

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065614.D
 Acq On : 13 Apr 2020 13:40
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:02:26 AM

Quant Time: Apr 14 02:30:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	523479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	728400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	658056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333604	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	209793	42.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.76%	
35) Dibromofluoromethane	7.92	113	227123	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
50) Toluene-d8	10.34	98	869266	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
62) 4-Bromofluorobenzene	12.64	95	278647	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	220840	46.784	ug/l	96
3) Chloromethane	2.21	50	250821	42.729	ug/l	100
4) Vinyl Chloride	2.35	62	242937	44.265	ug/l	99
5) Bromomethane	2.77	94	159229	41.138	ug/l	99
6) Chloroethane	2.93	64	150762	44.606	ug/l	99
7) Trichlorofluoromethane	3.27	101	375515	45.111	ug/l	96
8) Diethyl Ether	3.71	74	74702	43.434	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	246364	45.274	ug/l	99
10) Methyl Iodide	4.30	142	278193	45.861	ug/l	99
11) Tert butyl alcohol	5.24	59	61647	246.654	ug/l	99
12) 1,1-Dichloroethene	4.06	96	229908	45.809	ug/l	98
13) Acrolein	3.92	56	78211	225.440	ug/l	97
14) Allyl chloride	4.71	41	353658	47.503	ug/l	100
15) Acrylonitrile	5.43	53	229722	226.499	ug/l	100
16) Acetone	4.16	43	253329	283.366	ug/l	94
17) Carbon Disulfide	4.40	76	738775	44.239	ug/l	100
18) Methyl Acetate	4.72	43	116994	44.585	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	469876	48.428	ug/l	98
20) Methylene Chloride	4.96	84	243845	41.262	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	260203	45.680	ug/l	95
22) Diisopropyl ether	6.37	45	684822	47.855	ug/l	99
23) Vinyl Acetate	6.31	43	1889223	249.528	ug/l	100
24) 1,1-Dichloroethane	6.27	63	426705	44.819	ug/l	99
25) 2-Butanone	7.22	43	301344	246.265	ug/l	99
26) 2,2-Dichloropropane	7.21	77	401748	47.153	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	273310	46.882	ug/l	100
28) Bromochloromethane	7.54	49	171367	44.847	ug/l	99
29) Tetrahydrofuran	7.57	42	181580	236.141	ug/l	99
30) Chloroform	7.71	83	440359	44.174	ug/l	99
31) Cyclohexane	7.98	56	406536	46.031	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	417169	46.305	ug/l	99
36) 1,1-Dichloropropene	8.11	75	357624	47.689	ug/l	99
37) Ethyl Acetate	7.30	43	125399	45.036	ug/l	100
38) Carbon Tetrachloride	8.10	117	384269	47.191	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	442580	52.135	ug/l	96
40) Benzene	8.36	78	988775	46.149	ug/l	99
41) Methacrylonitrile	7.53	41	77169	48.983	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	265837	44.420	ug/l	100
43) Isopropyl Acetate	8.46	43	240629	47.367	ug/l	100
44) Trichloroethene	9.11	130	288363	46.828	ug/l	95
45) 1,2-Dichloropropane	9.39	63	235523	45.143	ug/l	97
46) Dibromomethane	9.48	93	125514	44.757	ug/l	98
47) Bromodichloromethane	9.67	83	330212	44.903	ug/l	98
48) Methyl methacrylate	9.46	41	116571	49.476	ug/l	99
49) 1,4-Dioxane	9.47	88	28513	960.039	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	633203	241.869	ug/l	98
52) Toluene	10.41	92	636041	46.950	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	309415	47.404	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	372878	46.657	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	168627	42.849	ug/l	97
56) Ethyl methacrylate	10.67	69	205545	44.212	ug/l	97
57) 1,3-Dichloropropane	10.95	76	293670	45.053	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	527906	253.271	ug/l	99
59) 2-Hexanone	10.99	43	458064	263.278	ug/l	98
60) Dibromochloromethane	11.14	129	234609	44.763	ug/l	98
61) 1,2-Dibromoethane	11.25	107	170174	45.491	ug/l	100
64) Tetrachloroethene	10.88	164	250615	47.880	ug/l	99
65) Chlorobenzene	11.67	112	673949	47.289	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	255047	46.978	ug/l	100
67) Ethyl Benzene	11.75	91	1194821	50.771	ug/l	100
68) m/p-Xylenes	11.86	106	938183	101.048	ug/l	99
69) o-Xylene	12.19	106	414312	51.786	ug/l	100
70) Styrene	12.20	104	728952	51.536	ug/l	99
71) Bromoform	12.37	173	138186	45.384	ug/l #	98
73) Isopropylbenzene	12.48	105	1151371	54.167	ug/l	100
74) N-amyl acetate	12.30	43	217254	45.367	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	181023	46.328	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	122798m	45.896	ug/l	
77) Bromobenzene	12.77	156	281656	48.333	ug/l	99
78) n-propylbenzene	12.83	91	1355536	52.840	ug/l	100
79) 2-Chlorotoluene	12.91	91	747661	50.853	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	944770	52.735	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	59448	51.467	ug/l	98
82) 4-Chlorotoluene	13.01	91	787185	49.745	ug/l	100
83) tert-Butylbenzene	13.23	119	811246	54.153	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	929217	52.194	ug/l	99
85) sec-Butylbenzene	13.41	105	1130818	53.049	ug/l	100
86) p-Isopropyltoluene	13.53	119	1069272	54.357	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	533068	47.436	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	527267	46.976	ug/l	100
89) n-Butylbenzene	13.85	91	956436	53.876	ug/l	99
90) Hexachloroethane	14.13	117	205989	48.002	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	454204	47.509	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27945	46.365	ug/l	99

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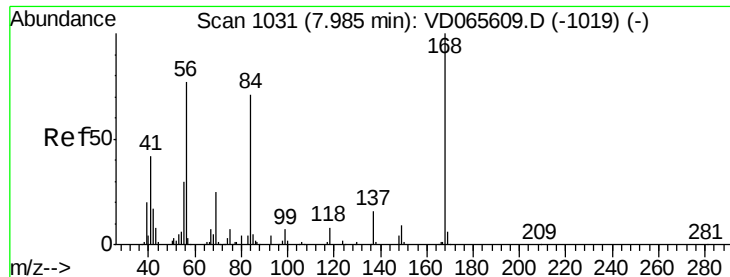
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	317912	50.625	ug/l	98
94) Hexachlorobutadiene	15.28	225	210509	48.227	ug/l	99
95) Naphthalene	15.41	128	492920	45.832	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	273819	50.373	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 523479

Ion Ratio Lower Upper

168 100

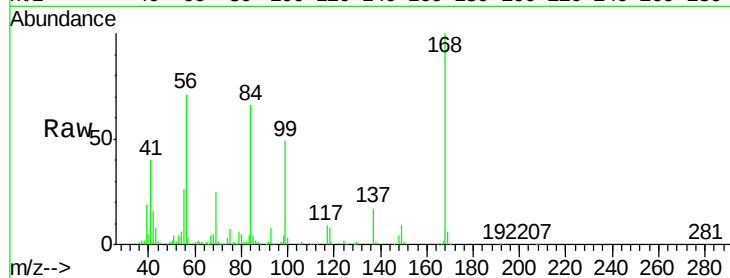
99 49.3 40.2 60.2

Manual Integrations

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4/14/2020 10:02:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

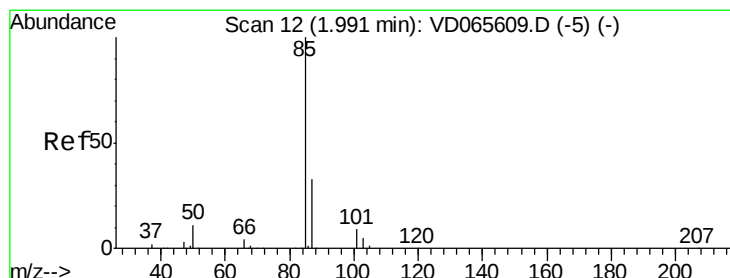
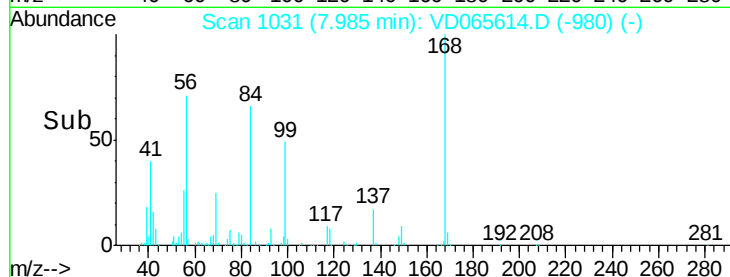
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.784 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065614.D

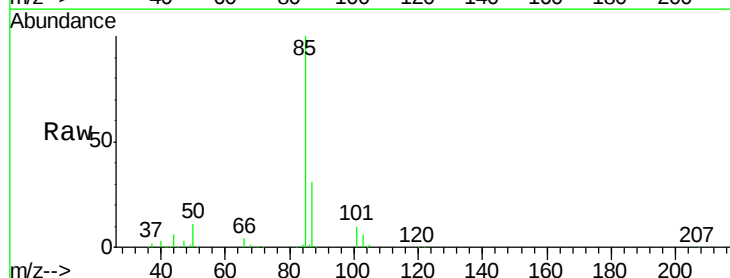
Acq: 13 Apr 2020 13:40

Tgt Ion: 85 Resp: 220840

Ion Ratio Lower Upper

85 100

87 30.7 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

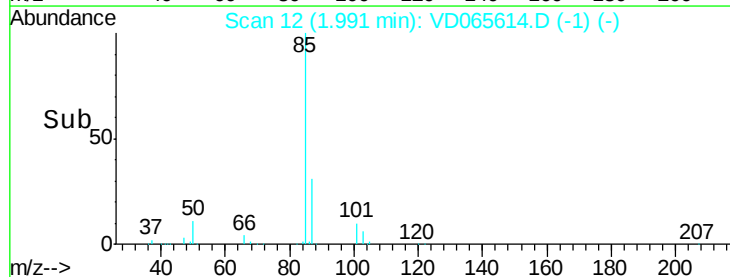
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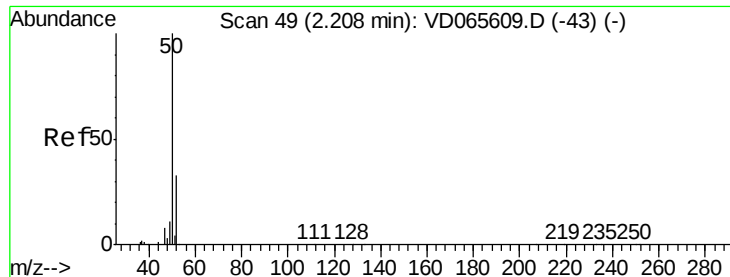
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 42.729 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 250821

Ion Ratio Lower Upper

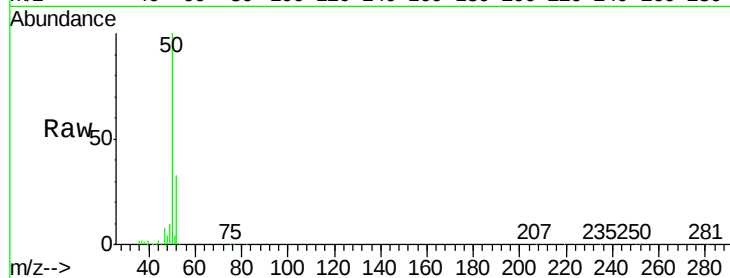
50 100

52 32.6 26.2 39.4

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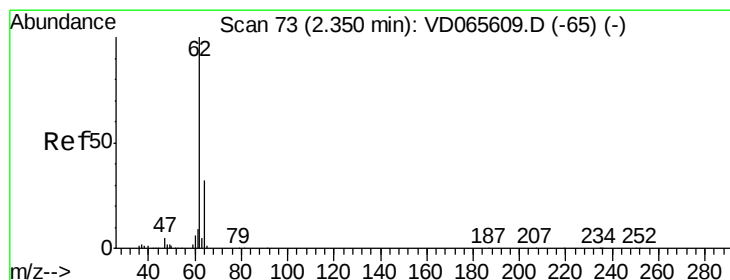
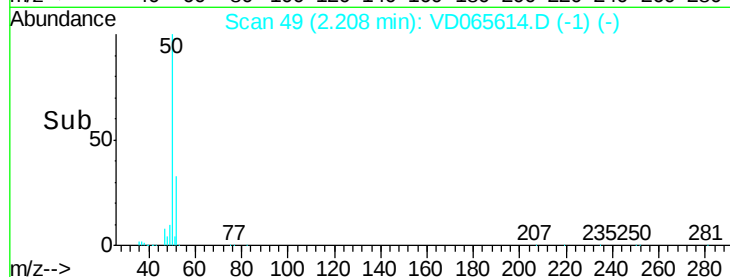
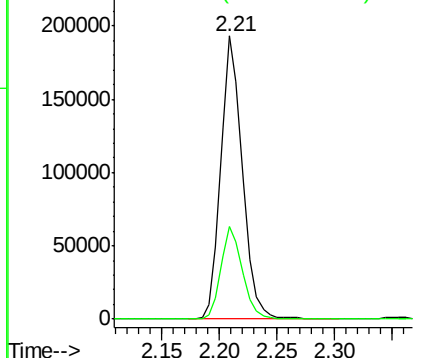
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.265 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065614.D

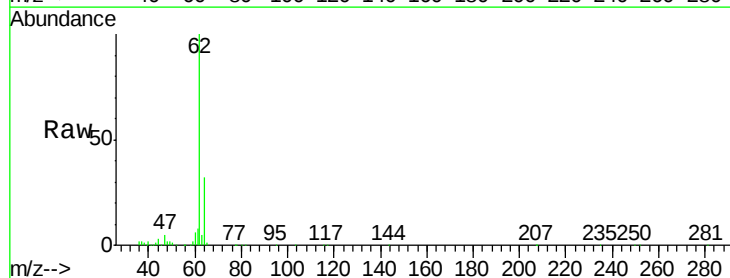
Acq: 13 Apr 2020 13:40

Tgt Ion: 62 Resp: 242937

Ion Ratio Lower Upper

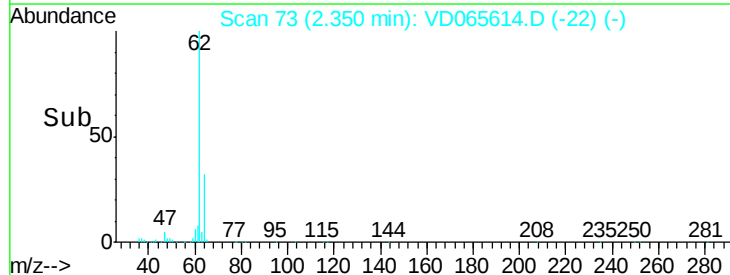
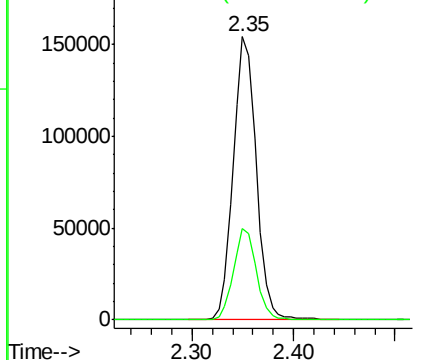
62 100

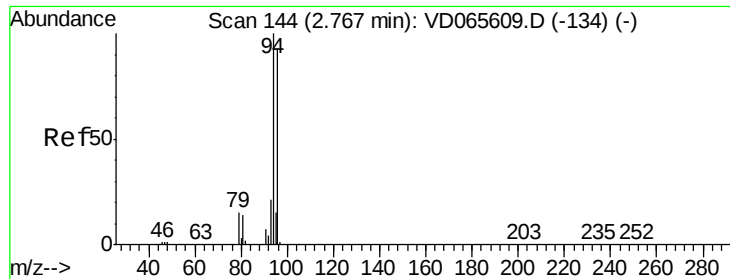
64 32.5 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 41.138 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 159229

Ion Ratio Lower Upper

94 100

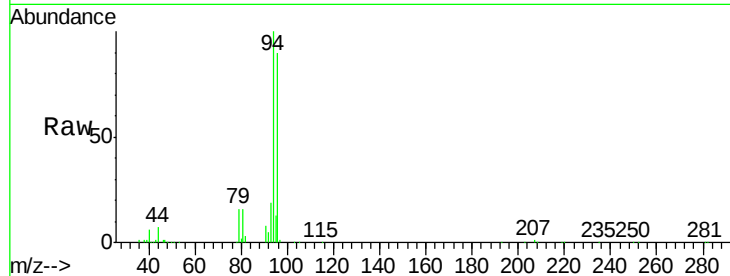
96 90.5 73.3 109.9

Manual Integrations

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4/14/2020 10:02:26 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

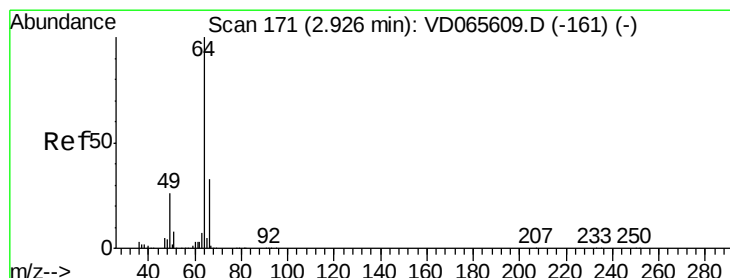
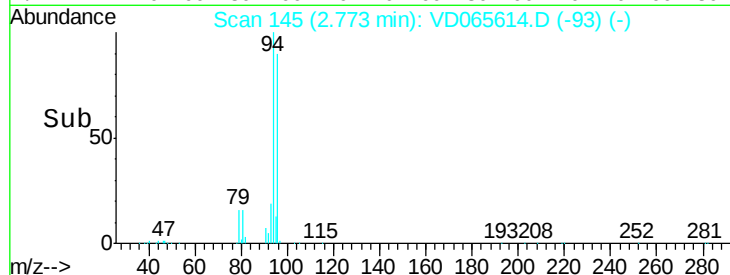
40000

20000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 44.606 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065614.D

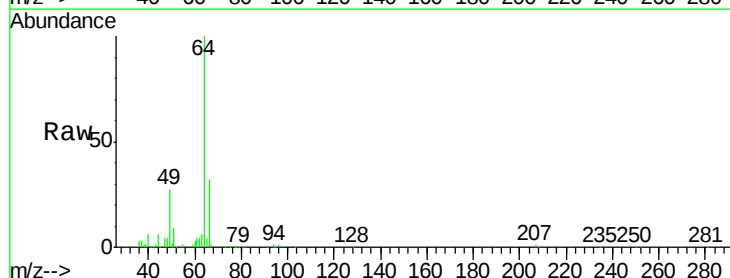
Acq: 13 Apr 2020 13:40

Tgt Ion: 64 Resp: 150762

Ion Ratio Lower Upper

64 100

66 32.3 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

60000

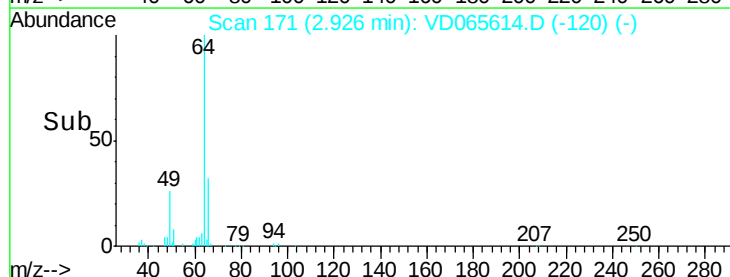
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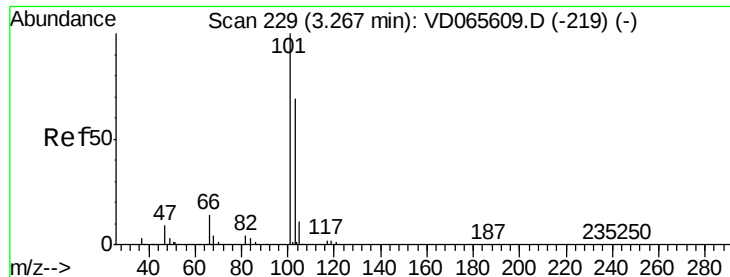
20000

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Time-->

2.80 2.90 3.00





#7

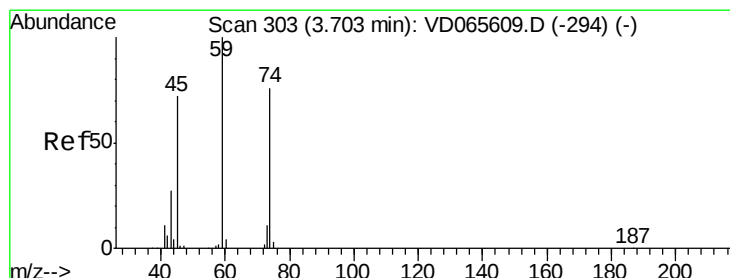
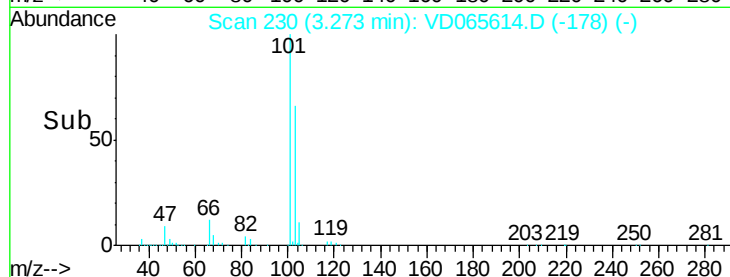
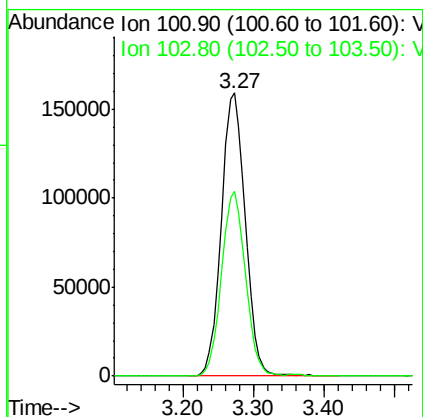
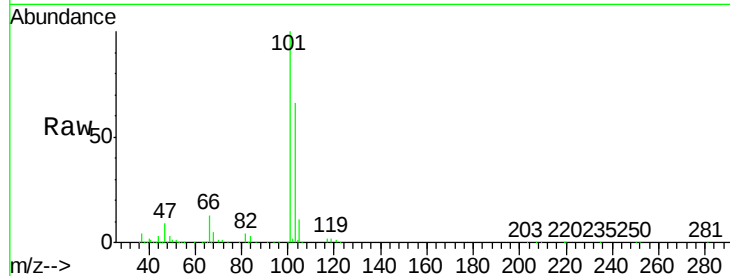
Trichlorofluoromethane
 Concen: 45.111 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	55.0	82.4

Manual Integrations
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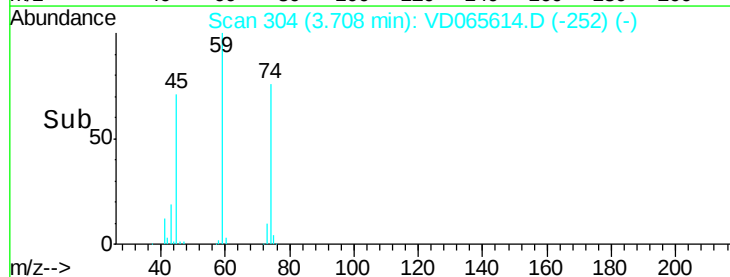
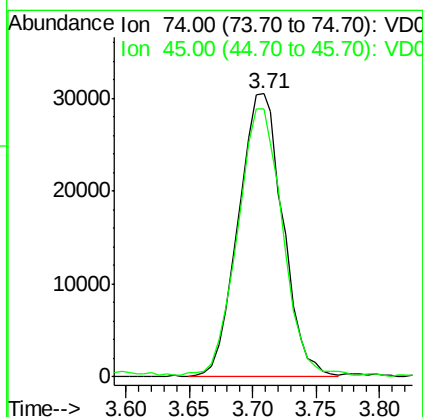
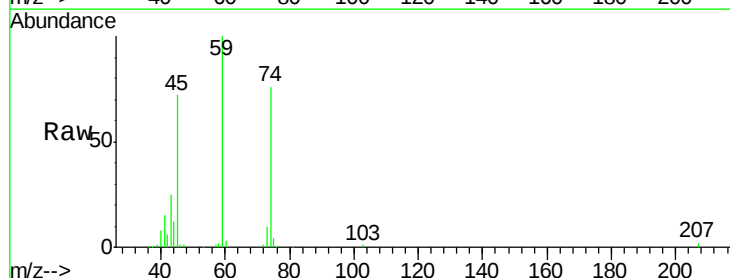
MMDadoda
 4/14/2020 10:02:26 AM

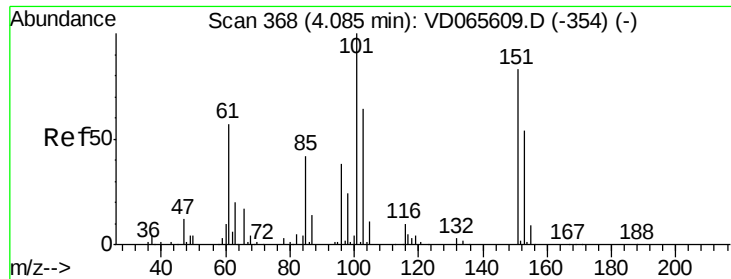


#8

Diethyl Ether
 Concen: 43.434 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	47.8	143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.274 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

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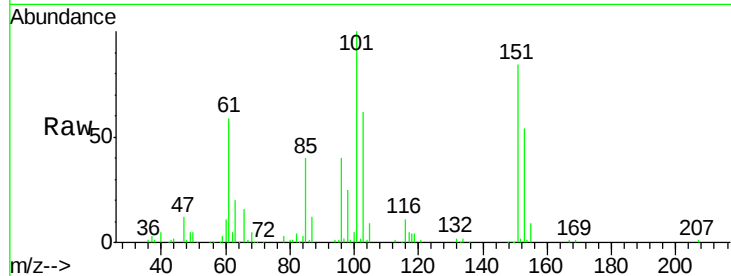
ClientSampleId :

VSTDCCC050

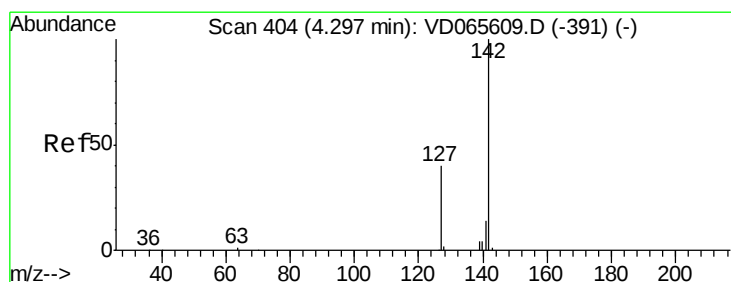
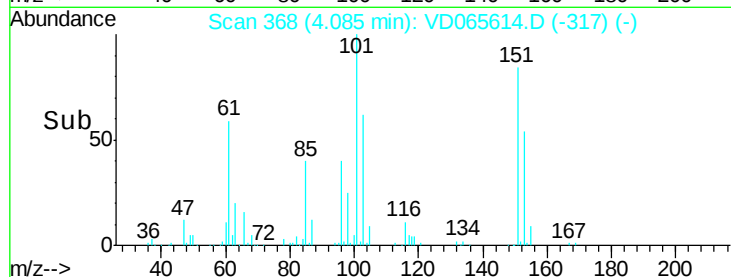
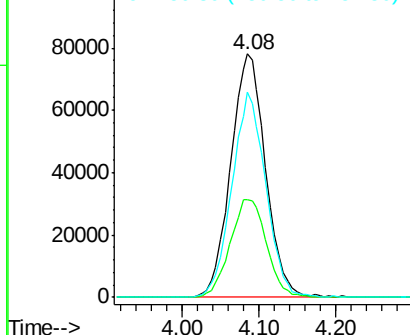
Tot Ion:	101	Resp:	246364
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.8	50.6
151	82.1	65.0	97.4

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.861 ug/l

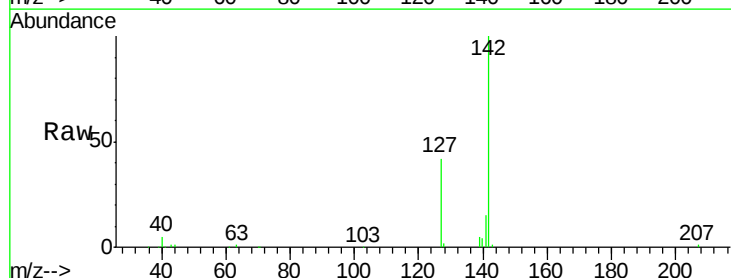
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

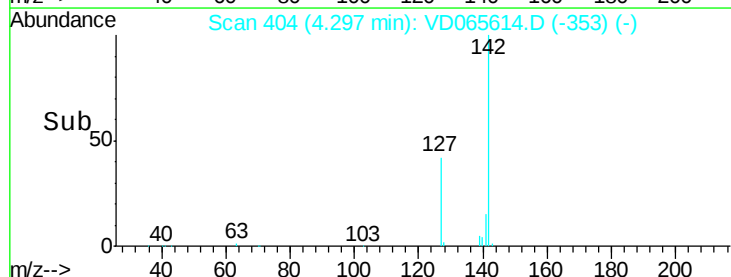
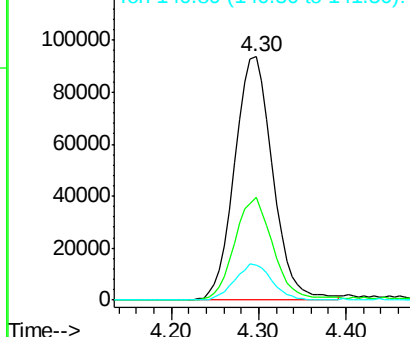
Lab File: VD065614.D

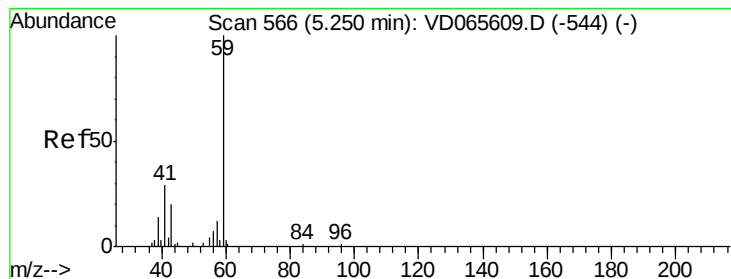
Acq: 13 Apr 2020 13:40

Tgt Ion:	142	Resp:	278193
Ion Ratio	Lower	Upper	
142	100		
127	42.0	34.6	51.8
141	14.7	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

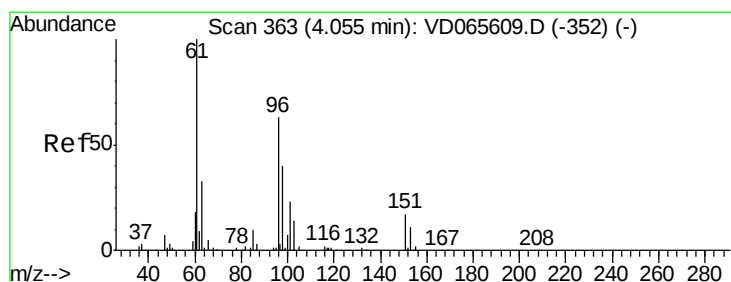
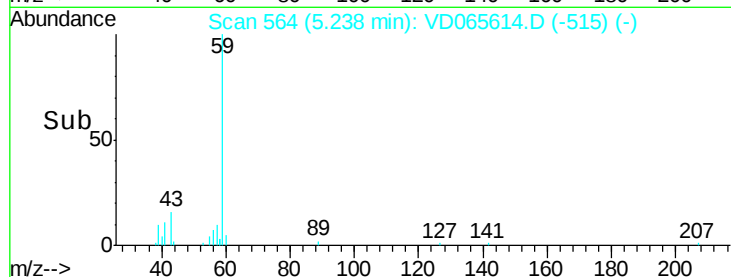
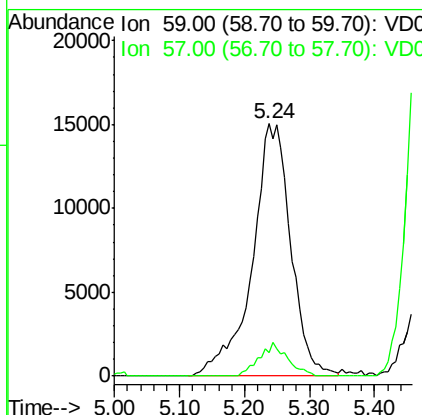
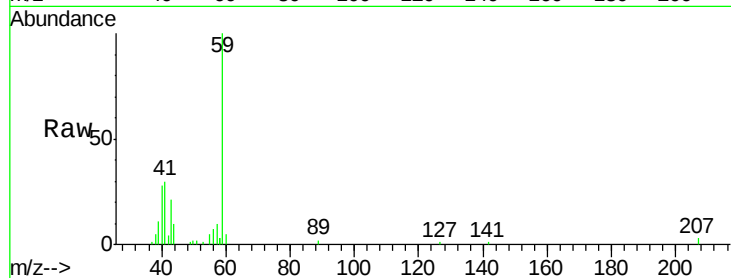
Tert butyl alcohol
Concen: 246.654 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.1	12.1

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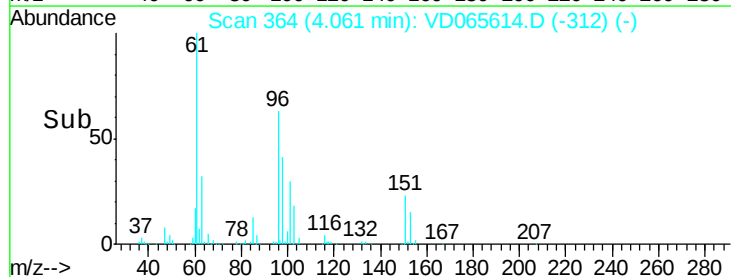
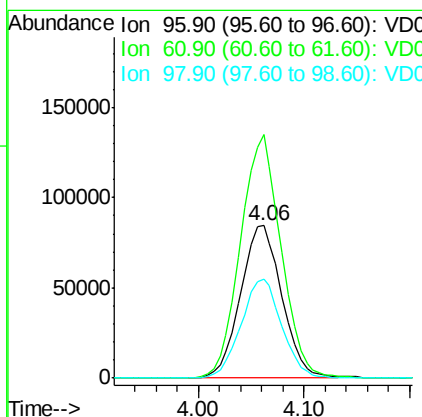
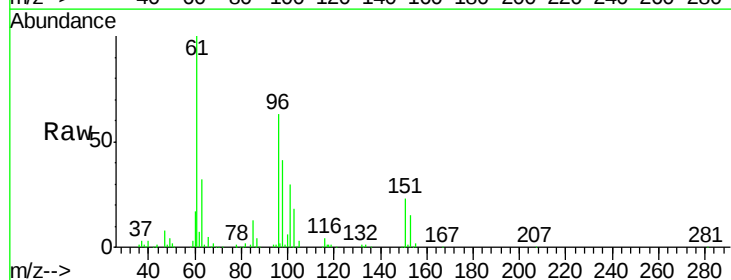
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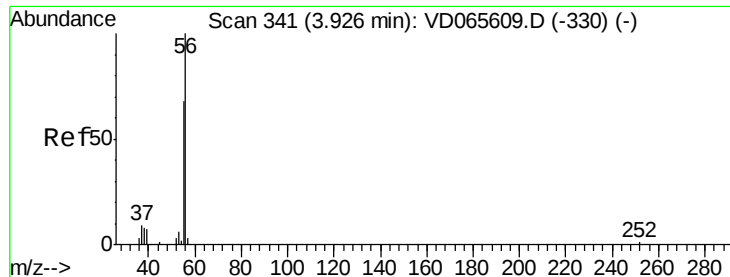


#12

1,1-Dichloroethene
Concen: 45.809 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	126.6	190.0
98	65.0	50.2	75.4





#13

Acrolein

Concen: 225.440 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 78211

Ion Ratio Lower Upper

56 100

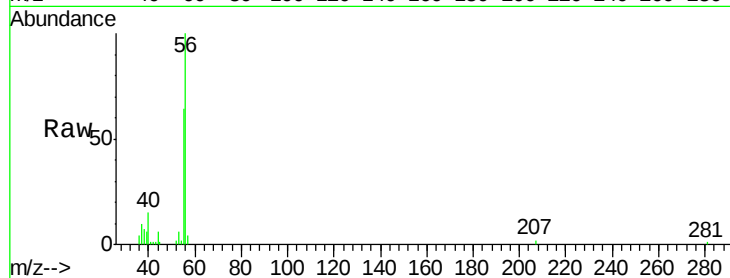
55 70.0 57.9 86.9

Manual Integrations

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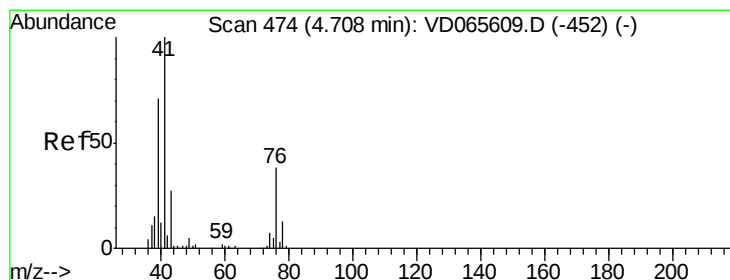
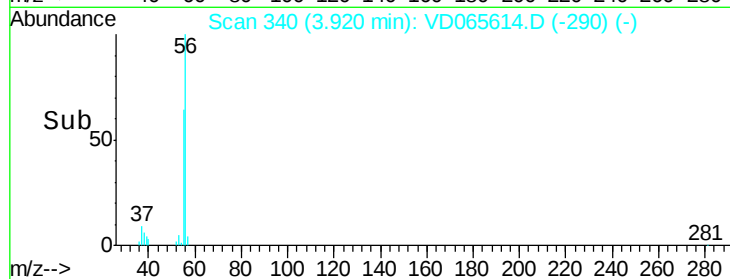
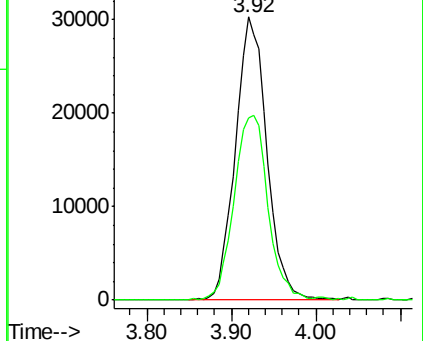
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.503 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

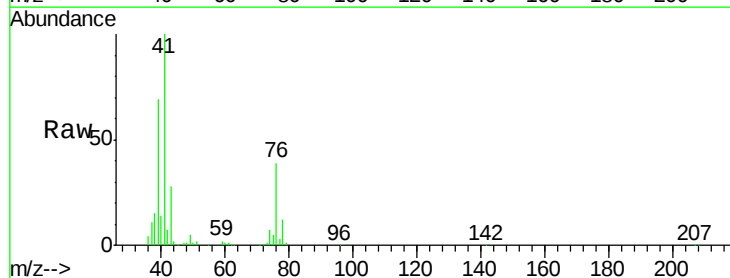
Tgt Ion: 41 Resp: 353658

Ion Ratio Lower Upper

41 100

39 67.7 54.2 81.2

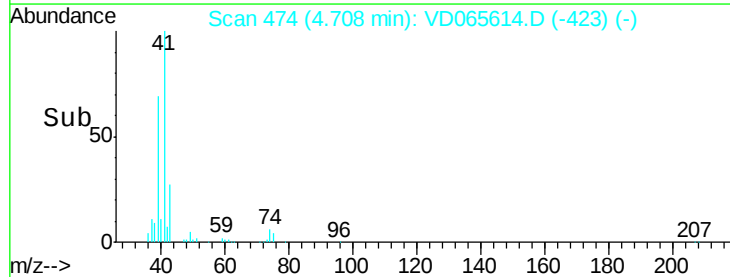
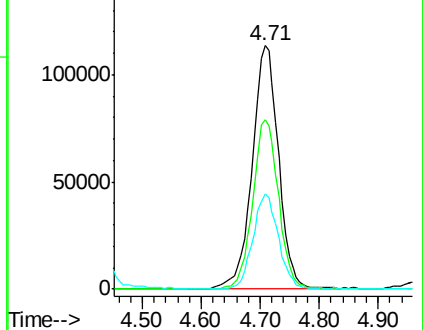
76 36.8 29.7 44.5

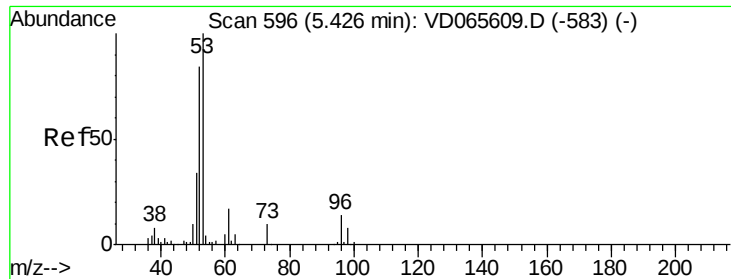


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 226.499 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

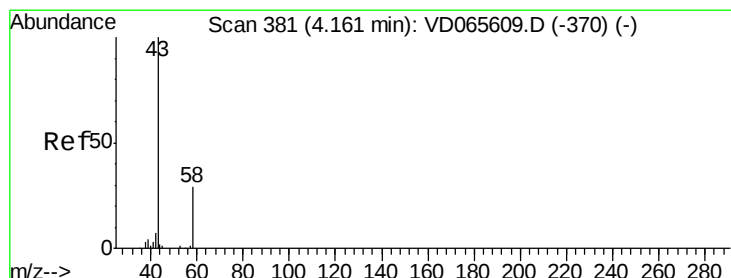
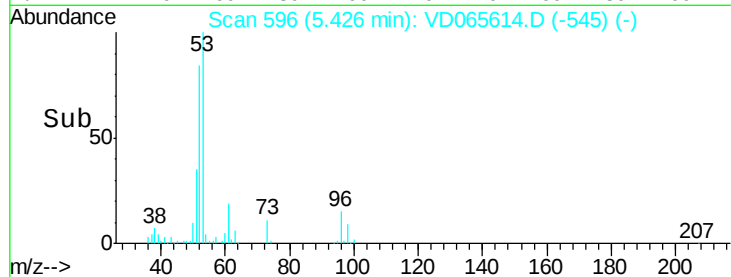
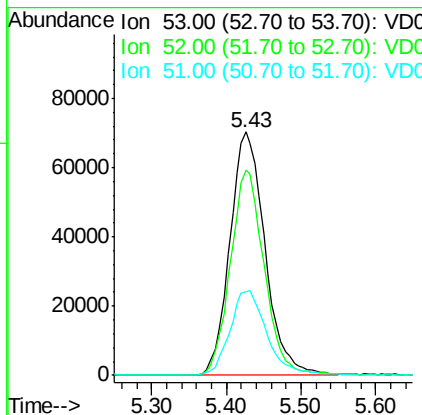
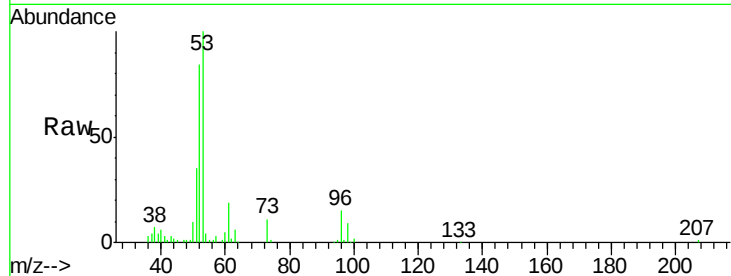
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	229722
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.3	97.9
51	36.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 283.366 ug/l

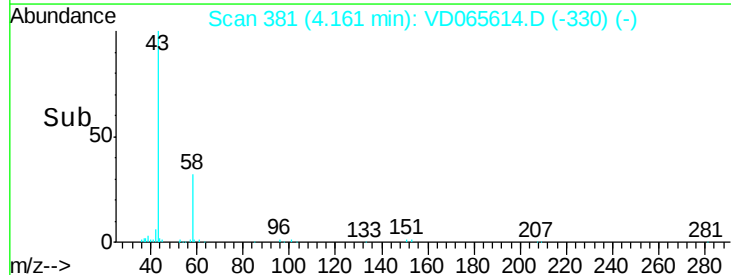
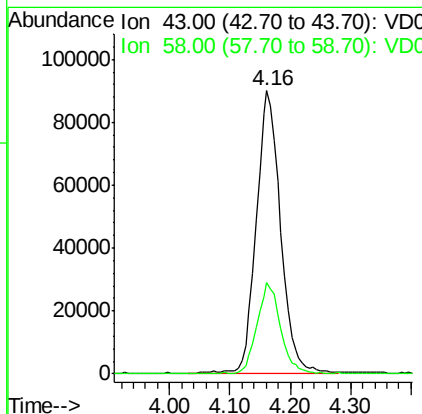
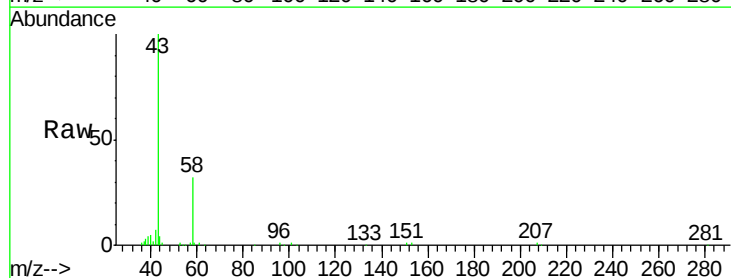
RT: 4.16 min Scan# 381

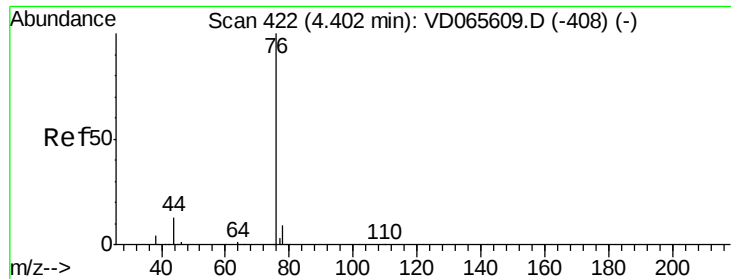
Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Tgt Ion:	43	Resp:	253329
Ion Ratio	Lower	Upper	
43	100		
58	32.1	23.2	34.8





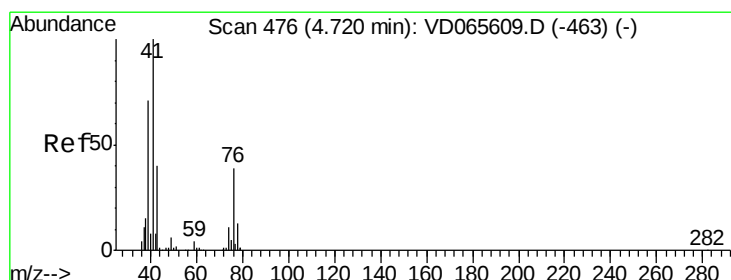
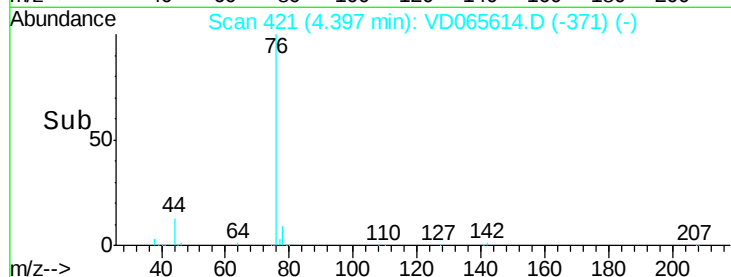
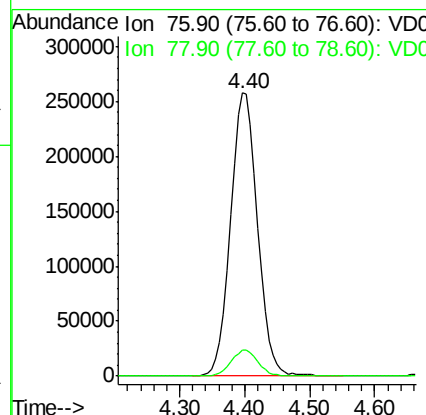
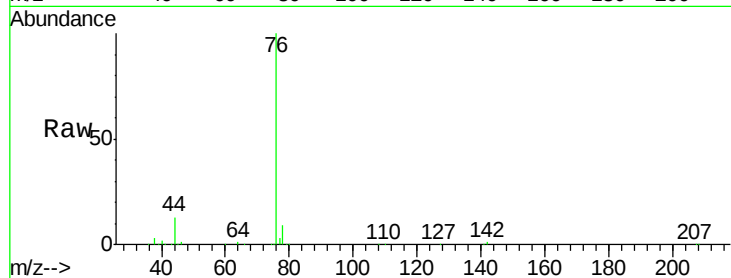
#17
Carbon Disulfide
Concen: 44.239 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

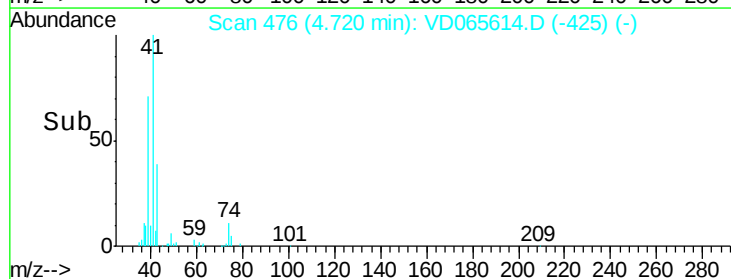
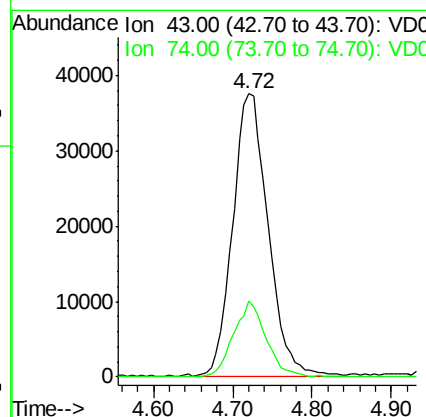
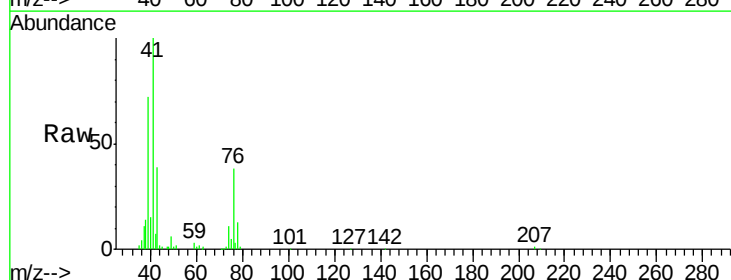
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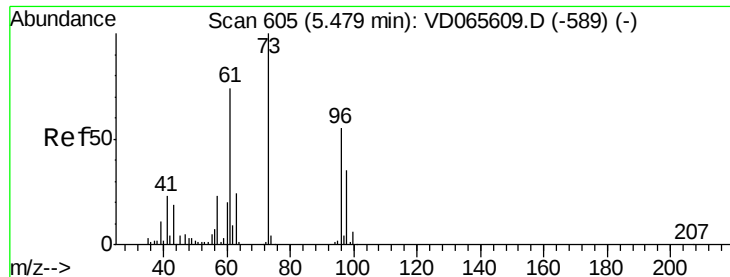
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#18
Methyl Acetate
Concen: 44.585 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	20.2	30.2





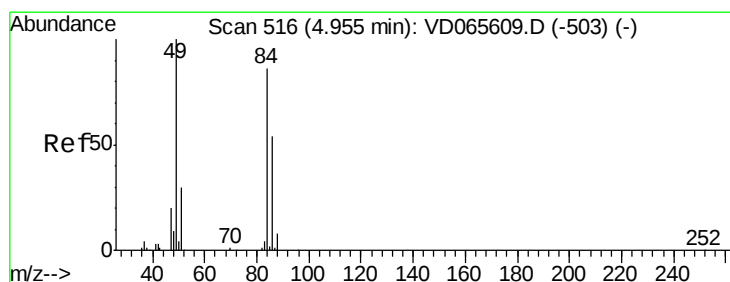
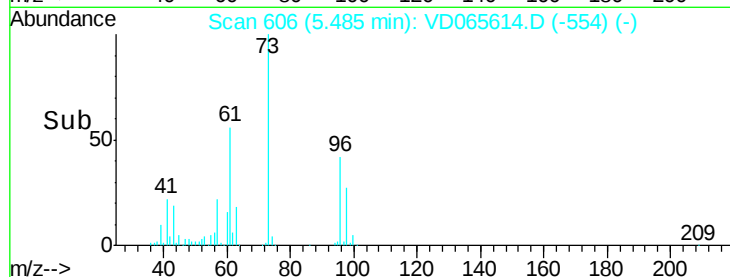
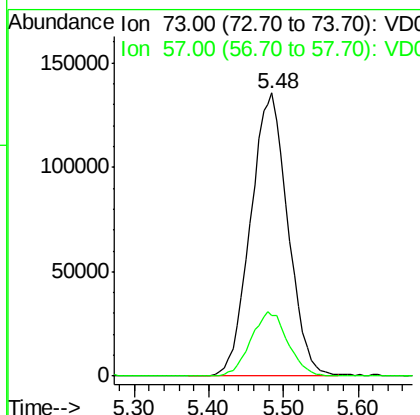
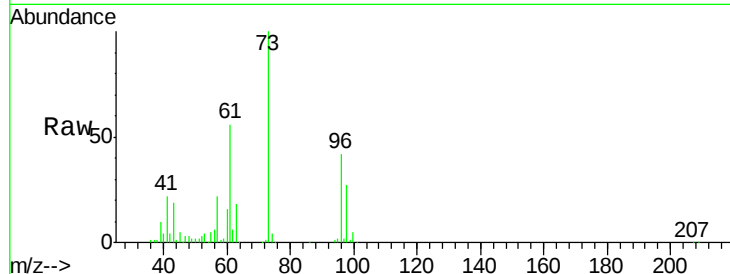
#19
Methyl tert-butyl Ether
Concen: 48.428 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 469876
Ion Ratio Lower Upper
73 100
57 21.6 18.2 27.2

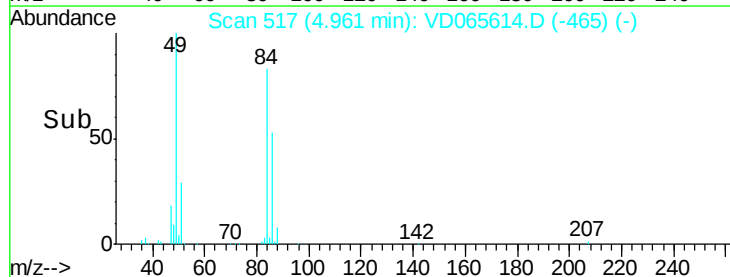
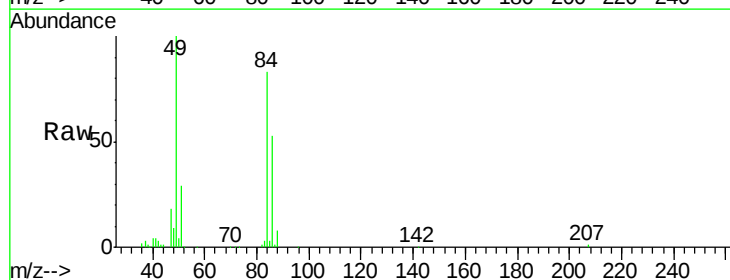
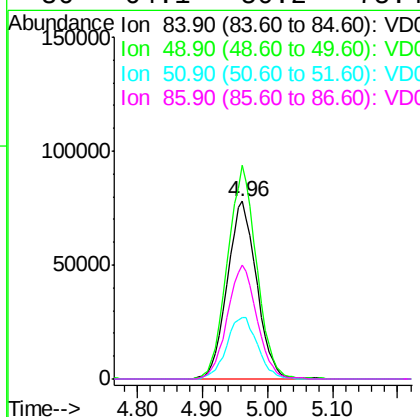
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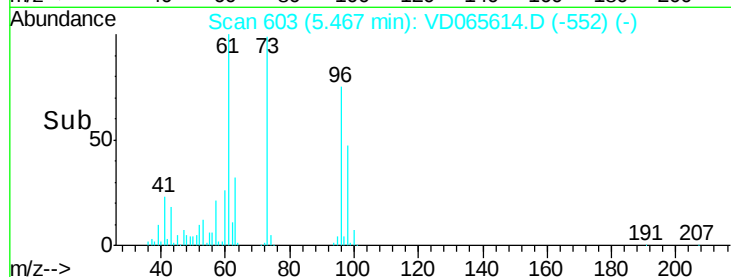
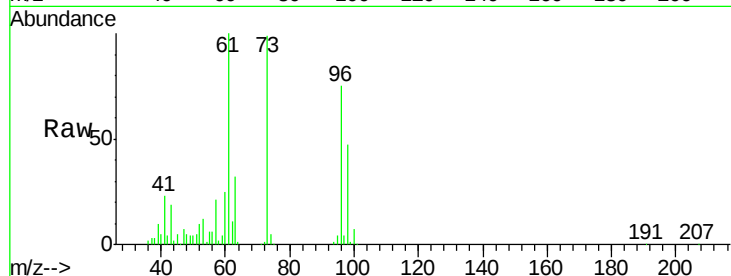
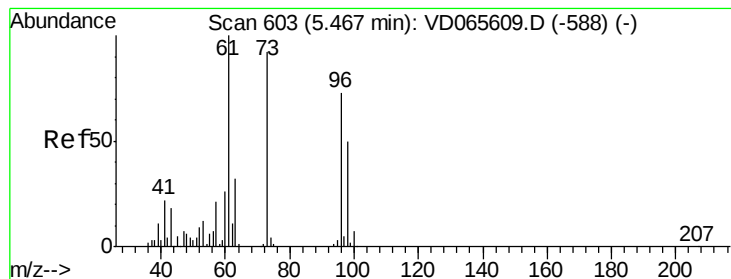
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#20
Methylene Chloride
Concen: 41.262 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion: 84 Resp: 243845
Ion Ratio Lower Upper
84 100
49 120.4 93.4 140.2
51 34.9 28.5 42.7
86 64.1 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 45.680 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065614.D

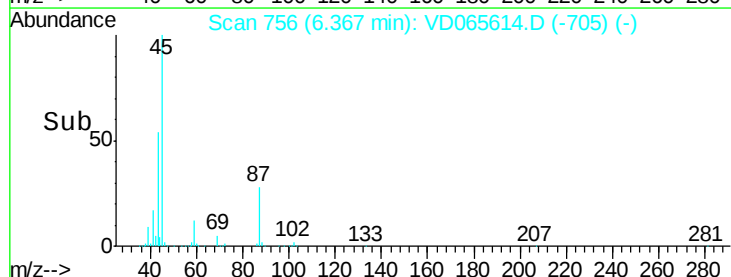
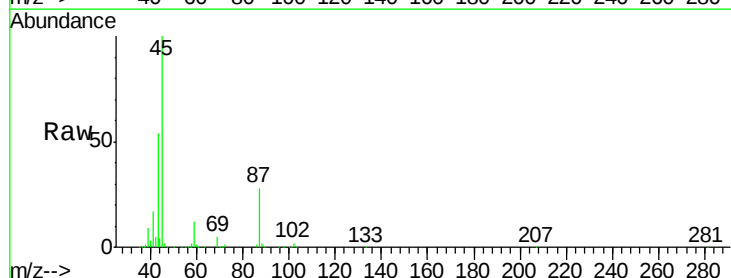
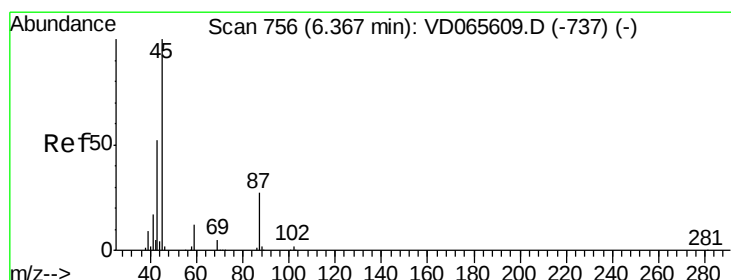
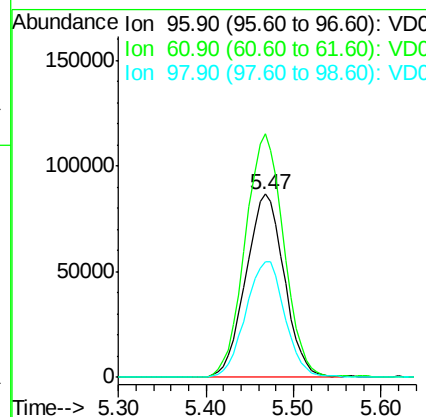
Acq: 13 Apr 2020 13:40

Tot Ion:	96	Resp:	260203
Ion	Ratio	Lower	Upper
96	100		
61	133.0	109.8	164.6
98	62.9	54.8	82.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.855 ug/l

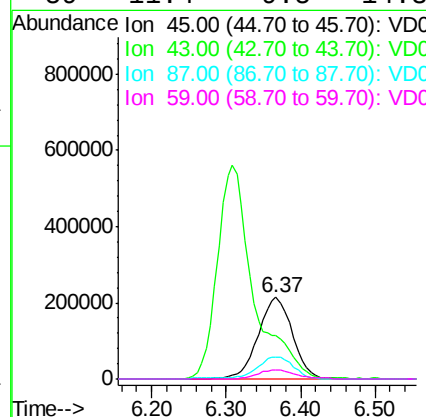
RT: 6.37 min Scan# 756

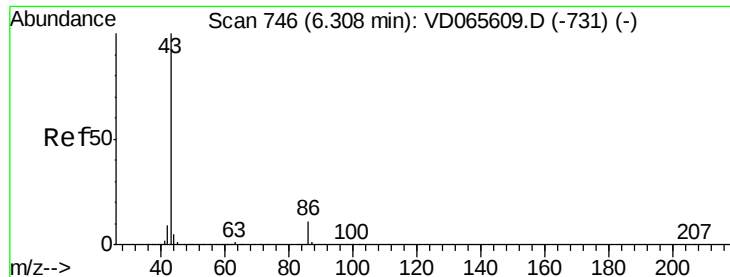
Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Tgt Ion:	45	Resp:	684822
Ion	Ratio	Lower	Upper
45	100		
43	52.6	42.5	63.7
87	27.3	22.3	33.5
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 249.528 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1889223

Ion Ratio Lower Upper

43 100

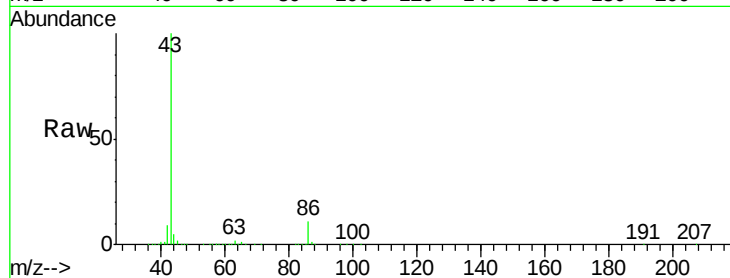
86 11.3 9.1 13.7

Manual Integrations

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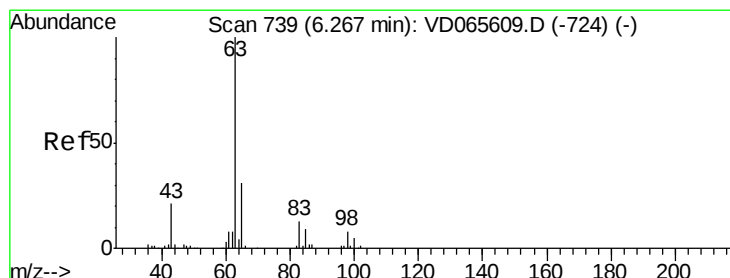
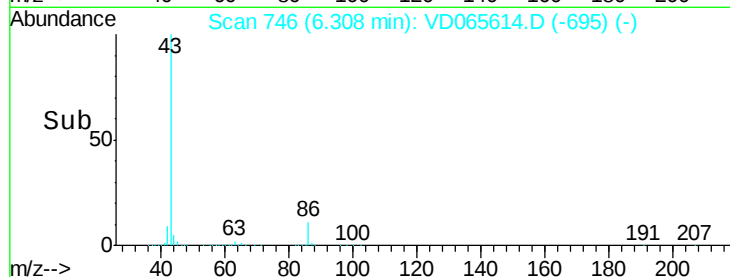
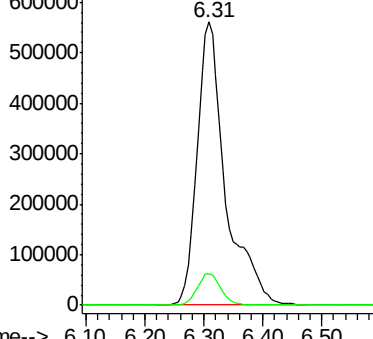
MMDadoda

4/14/2020 10:02:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 44.819 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

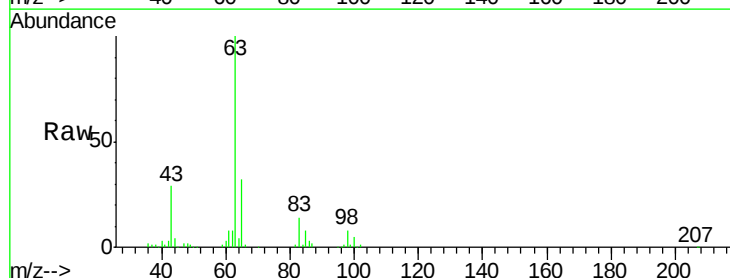
Tgt Ion: 63 Resp: 426705

Ion Ratio Lower Upper

63 100

98 7.8 4.0 11.9

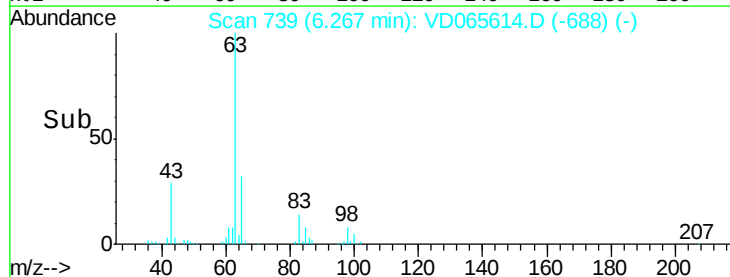
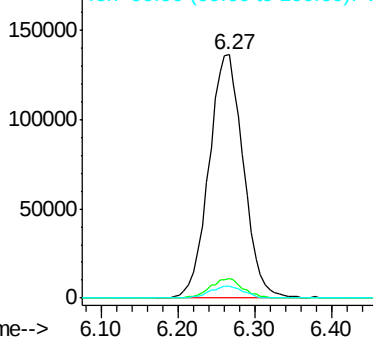
100 4.7 2.6 7.8

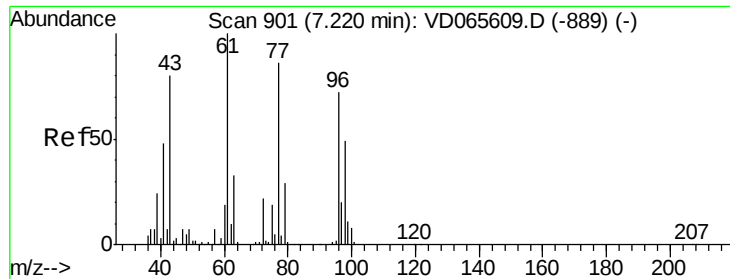


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 246.265 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 301344

Ion Ratio Lower Upper

43 100

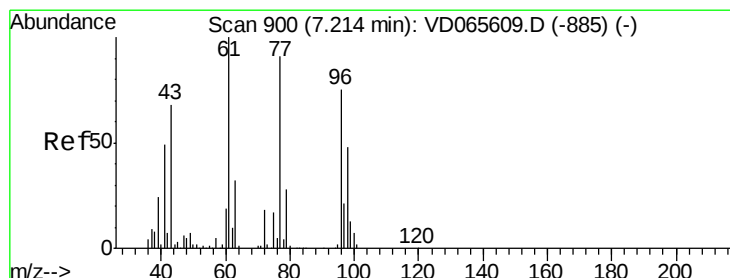
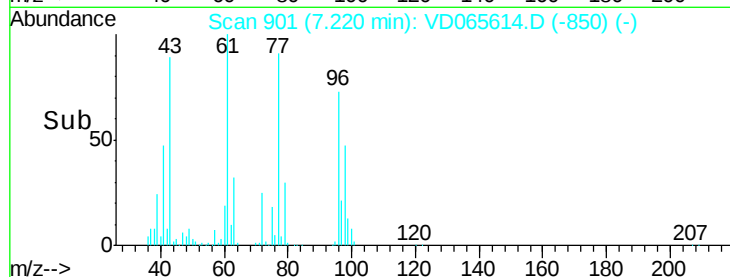
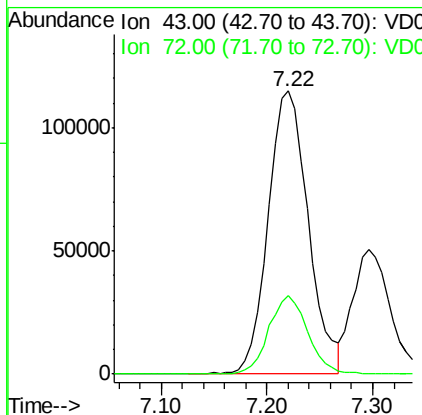
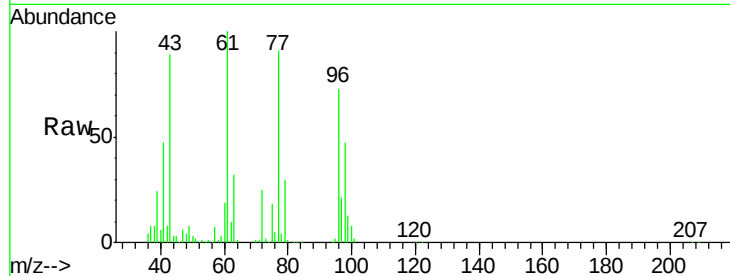
72 27.6 22.5 33.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.153 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065614.D

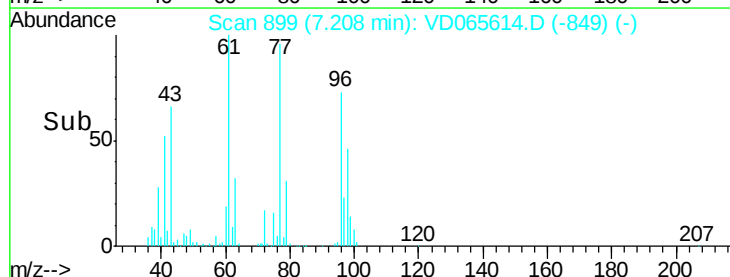
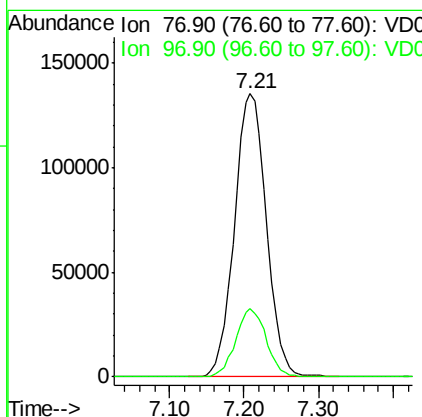
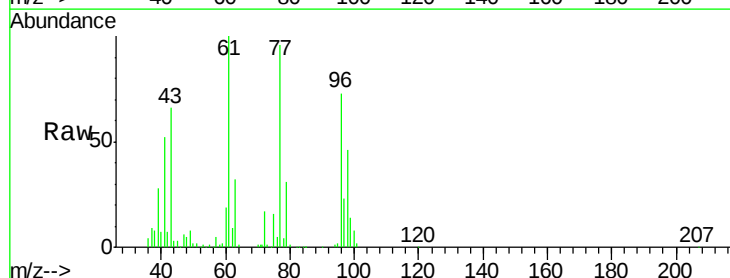
Acq: 13 Apr 2020 13:40

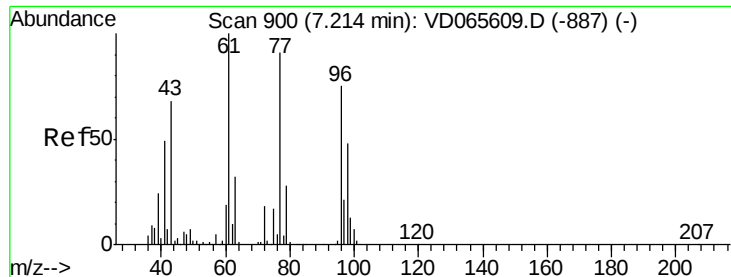
Tgt Ion: 77 Resp: 401748

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 46.882 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

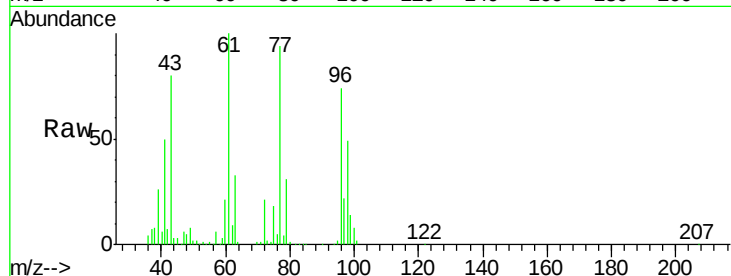
ClientSampleId :

VSTDCCC050

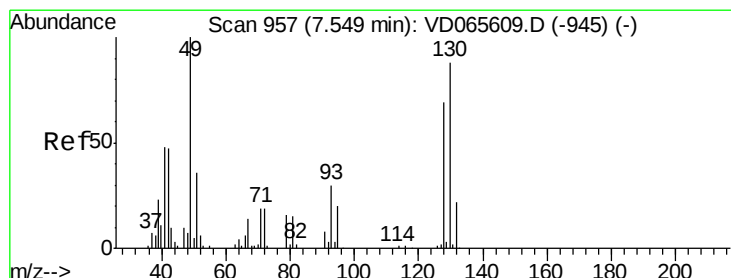
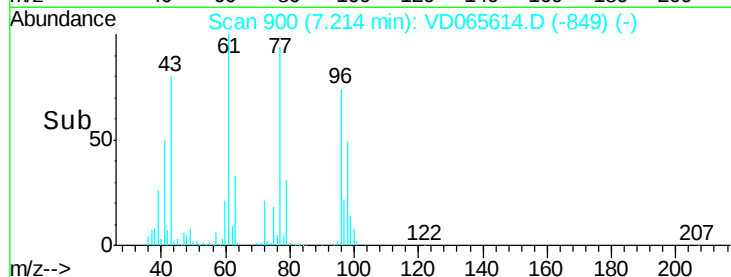
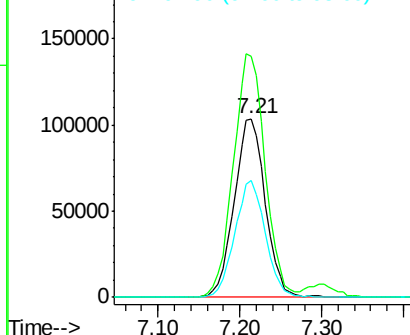
Tot Ion:	96	Resp:	273310
Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	279.0
98	64.6	0.0	130.2

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 44.847 ug/l

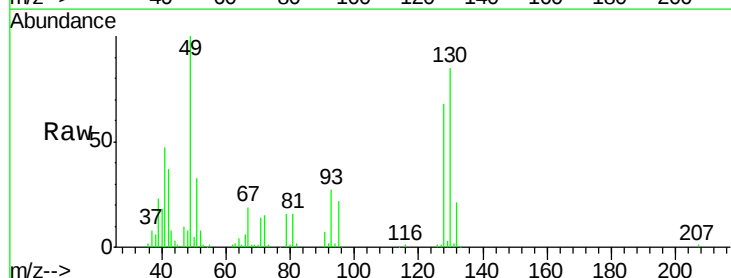
RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

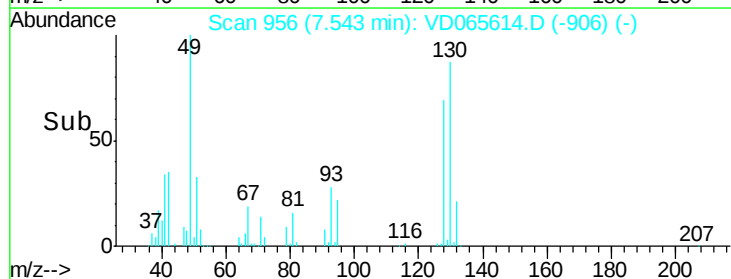
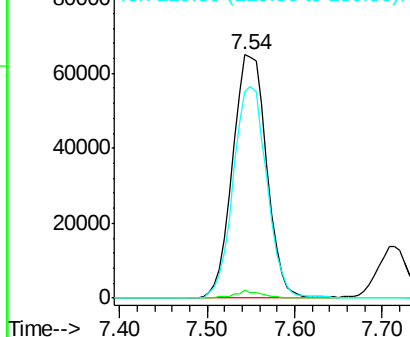
Lab File: VD065614.D

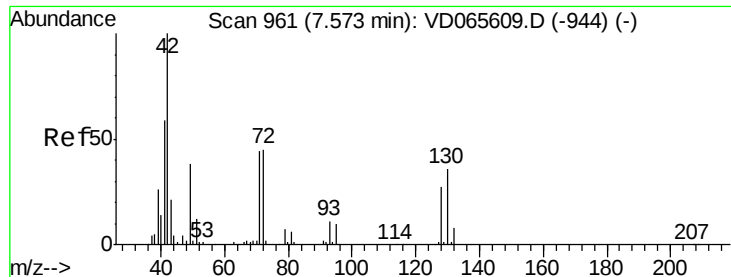
Acq: 13 Apr 2020 13:40

Tgt Ion:	49	Resp:	171367
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	85.7	69.4	104.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





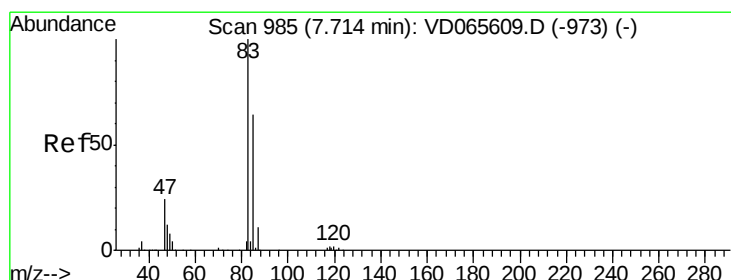
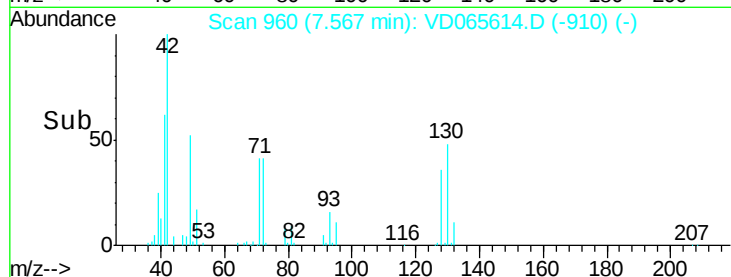
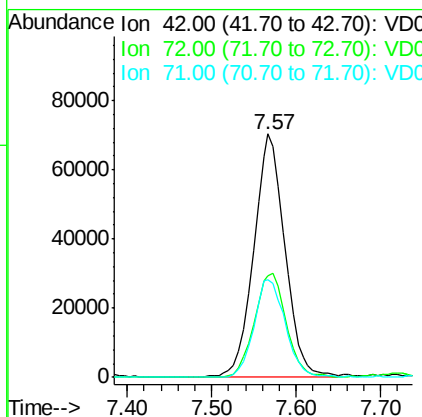
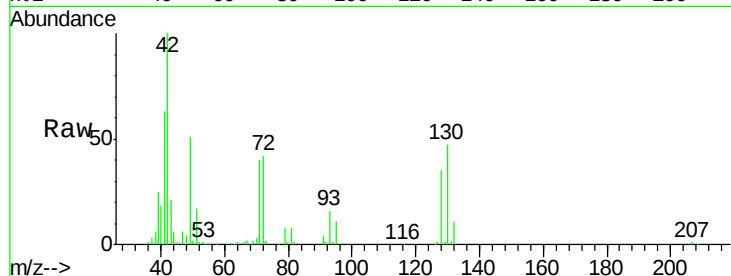
#29
Tetrahydrofuran
Concen: 236.141 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	35.3	52.9
71	40.6	33.1	49.7

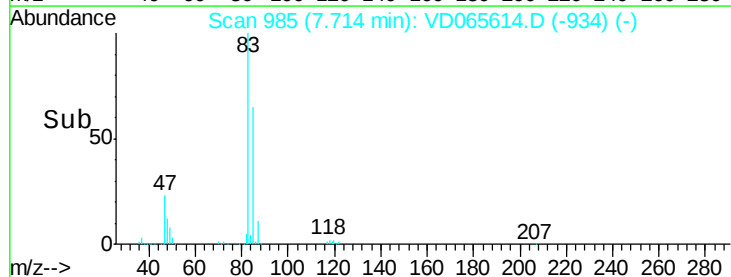
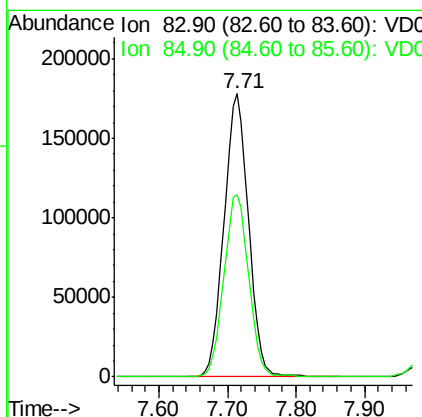
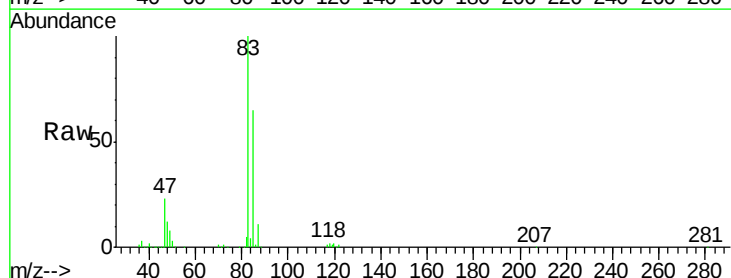
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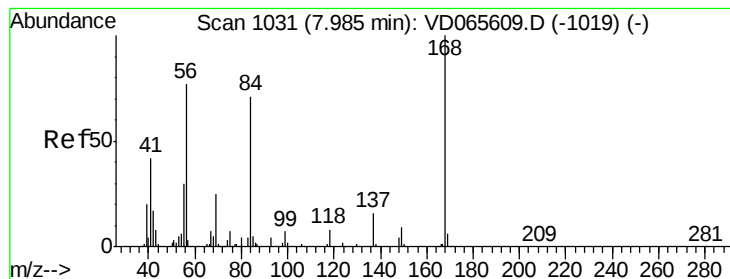
MMDadoda
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#30
Chloroform
Concen: 44.174 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3





#31

Cyclohexane

Concen: 46.031 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

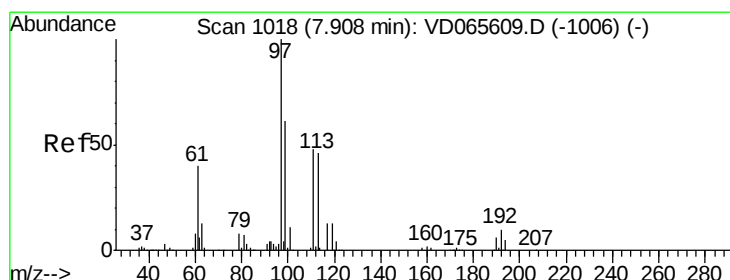
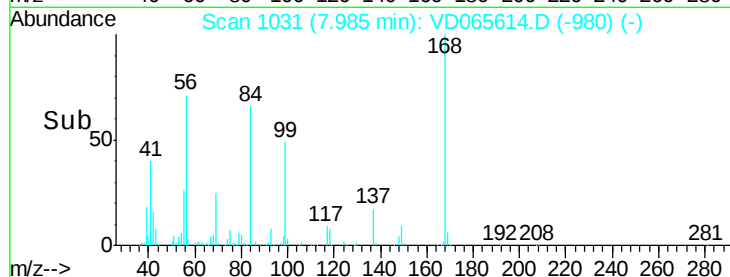
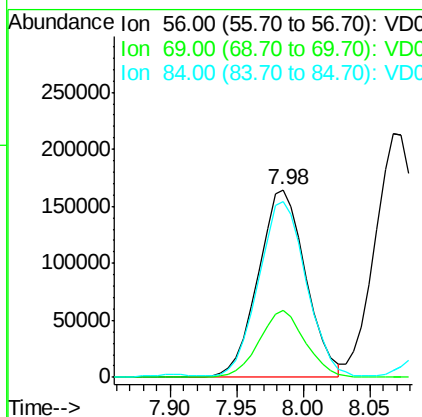
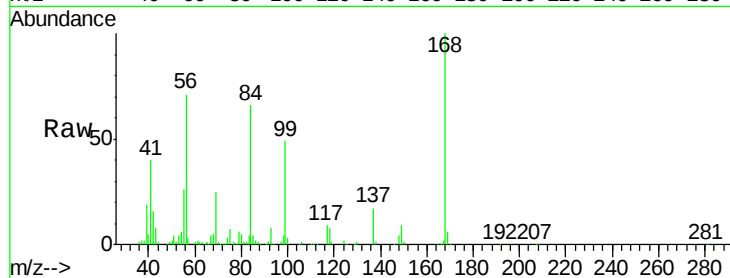
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	406536
Ion	Ratio	Lower	Upper
56	100		
69	35.5	26.2	39.4
84	92.4	73.7	110.5

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#32

1,1,1-Trichloroethane

Concen: 46.305 ug/l

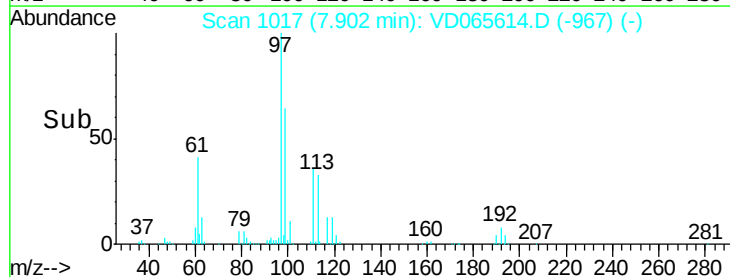
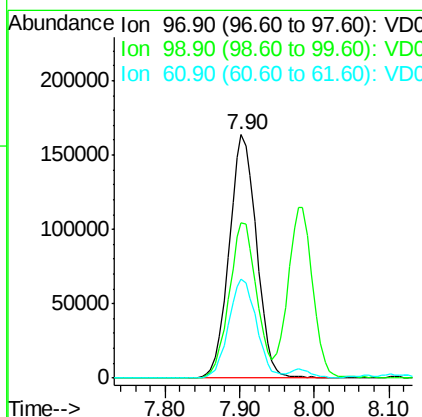
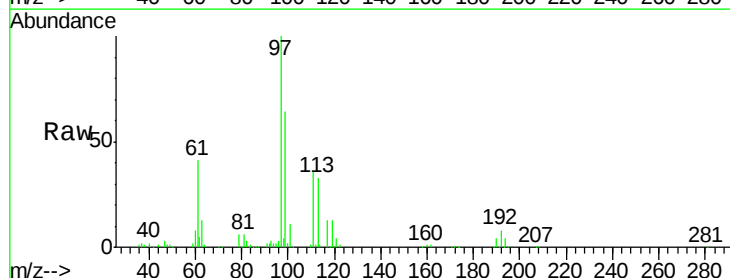
RT: 7.90 min Scan# 1017

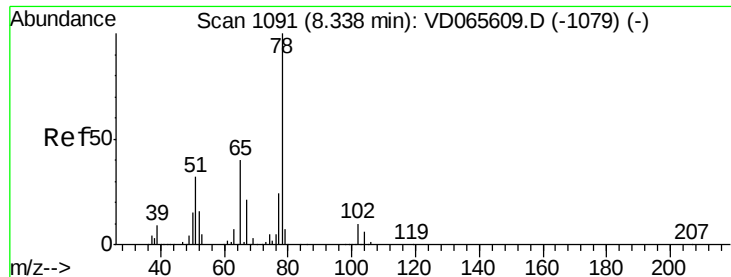
Delta R.T. -0.01 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Tgt Ion:	97	Resp:	417169
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.2	75.2
61	41.4	33.5	50.3





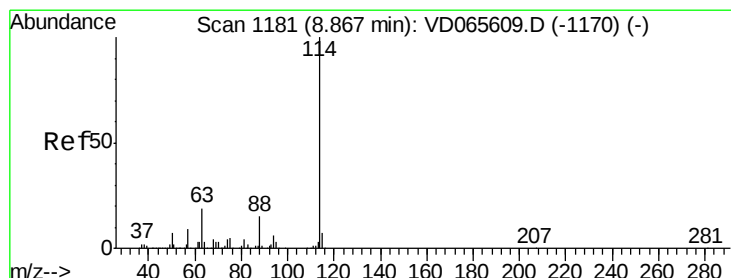
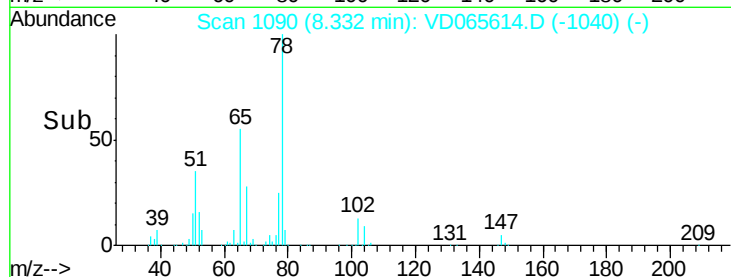
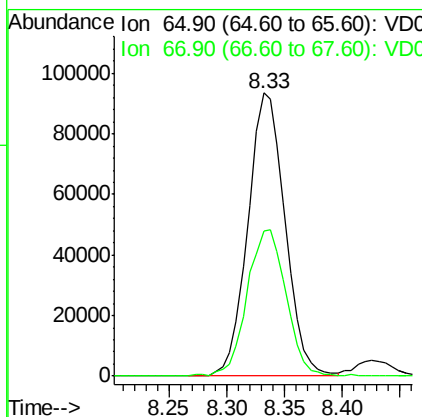
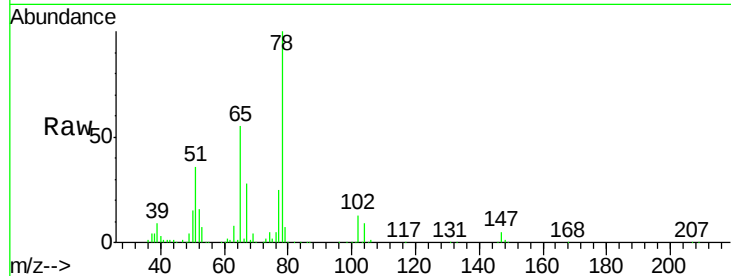
#33
 1,2-Dichloroethane-d4
 Concen: 42.375 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	209793		
67	54.3	0.0	107.6	

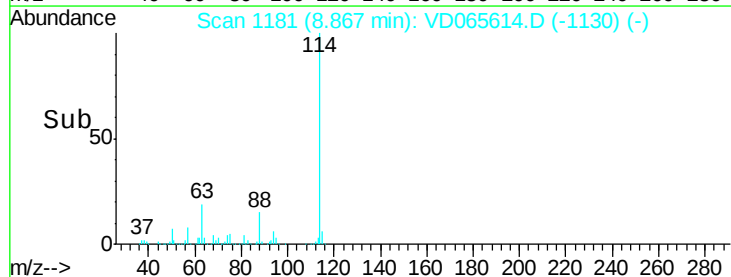
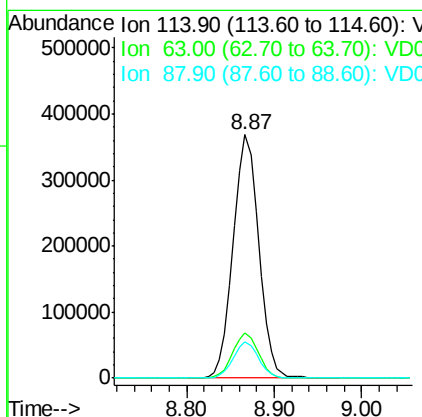
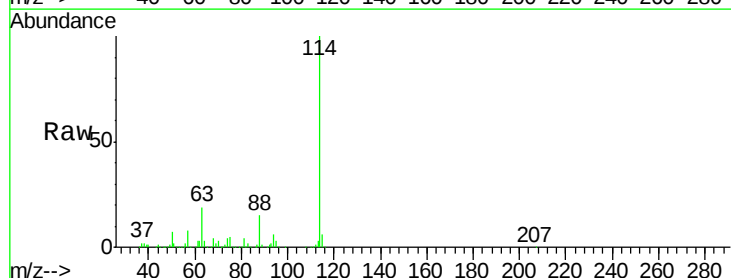
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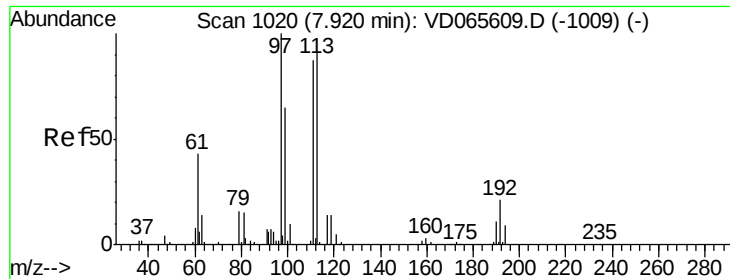
MMDadoda
 4/14/2020 10:02:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	728400		
63	18.7	0.0	38.2	
88	14.9	0.0	29.6	





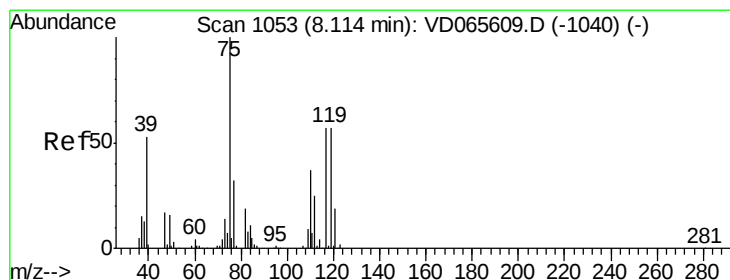
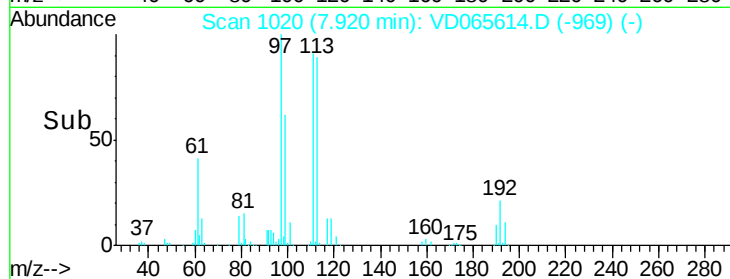
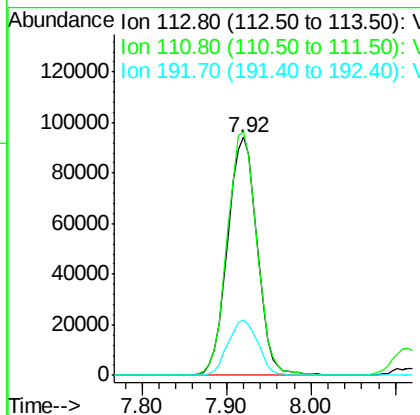
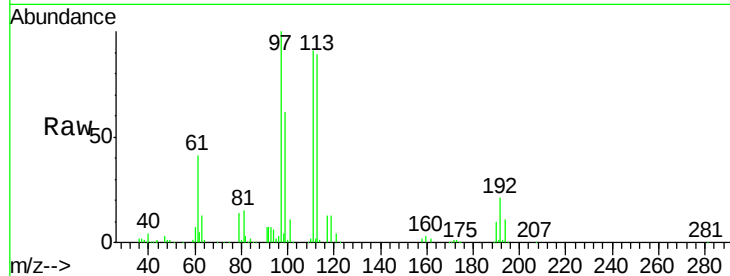
#35
 Dibromofluoromethane
 Concen: 44.632 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.6	120.8
192	23.5	18.6	27.8

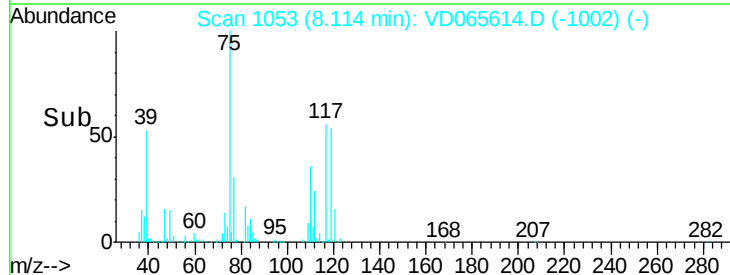
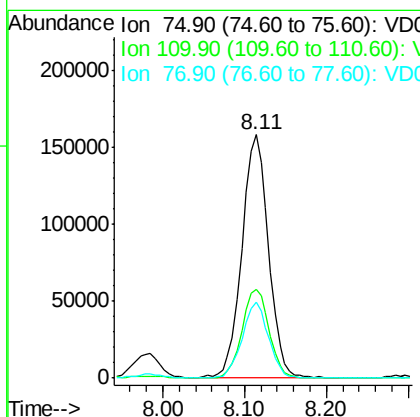
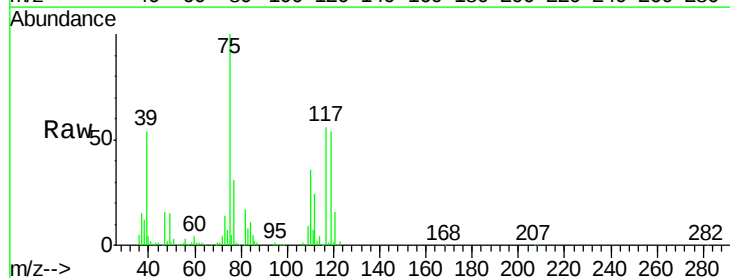
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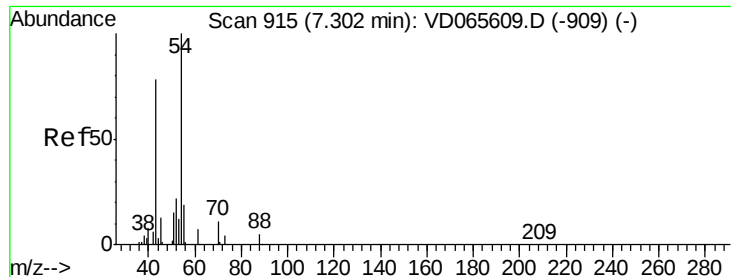
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#36
 1,1-Dichloropropene
 Concen: 47.689 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	18.3	54.9
77	31.2	25.0	37.6





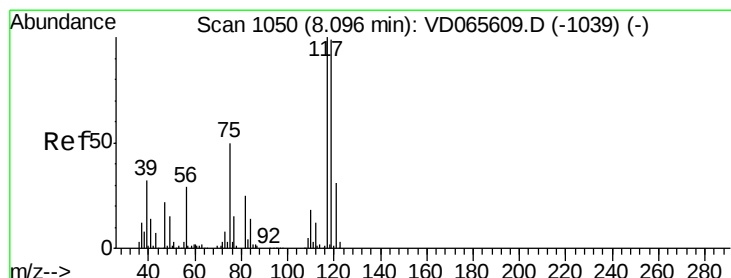
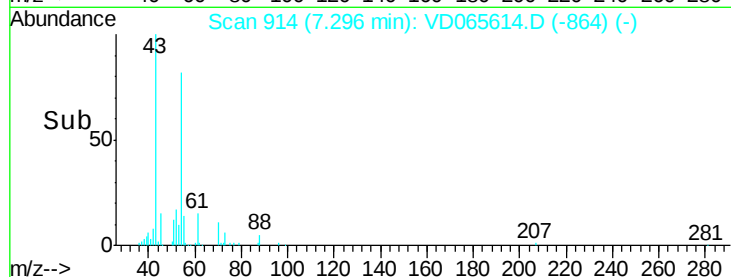
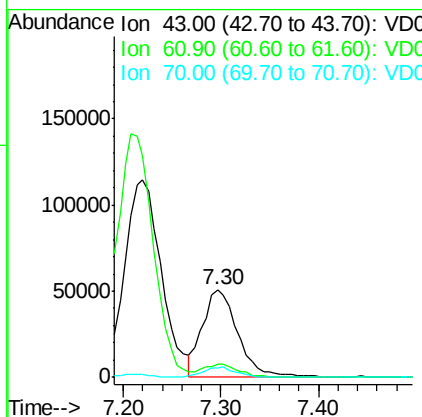
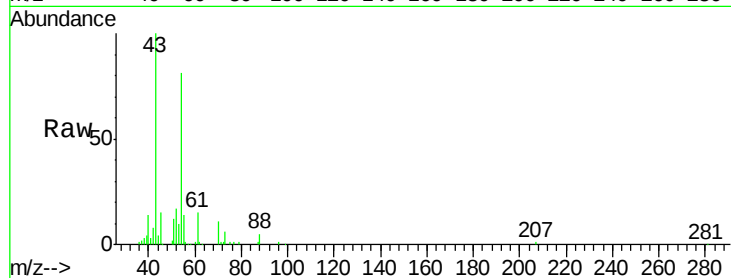
#37
Ethyl Acetate
Concen: 45.036 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.3	16.9
70	11.2	8.6	13.0

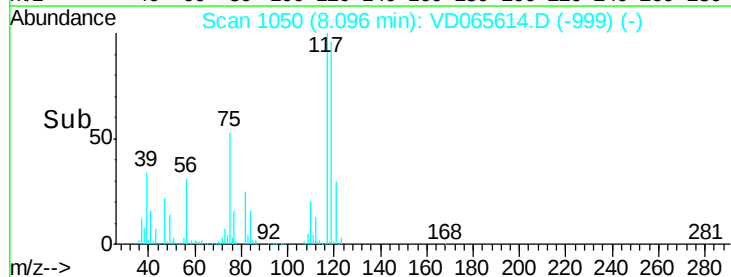
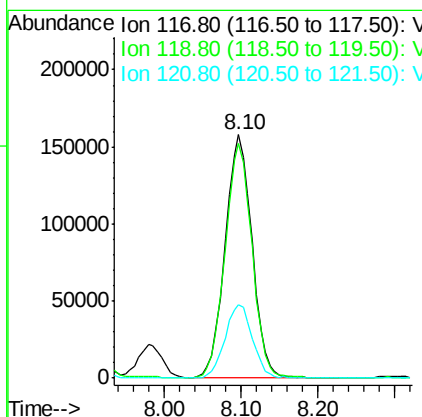
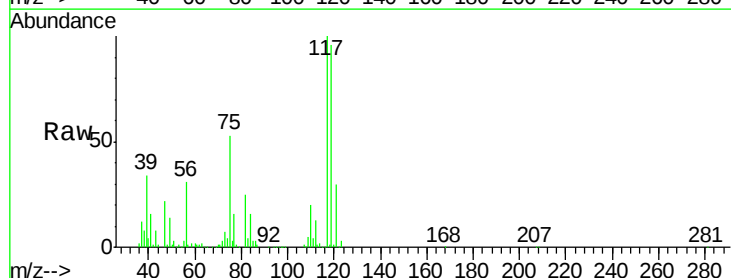
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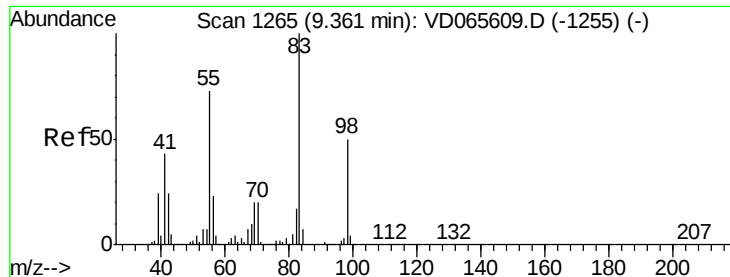
MMDadoda
4/14/2020 10:02:26 AM



#38
Carbon Tetrachloride
Concen: 47.191 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.9	118.3
121	30.3	24.6	37.0





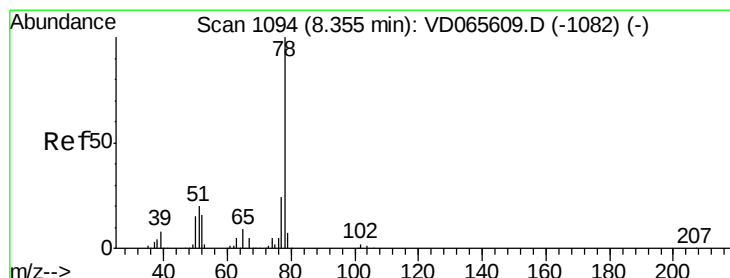
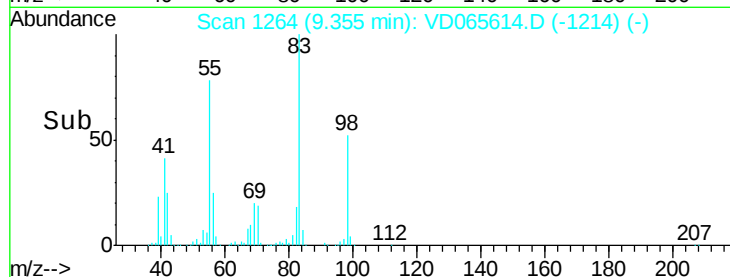
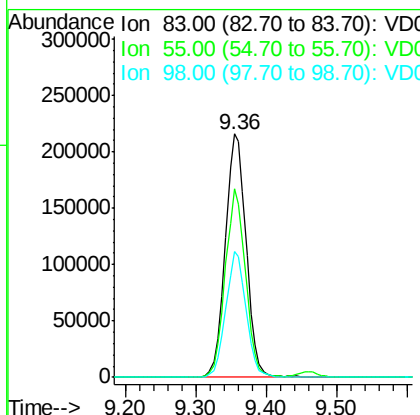
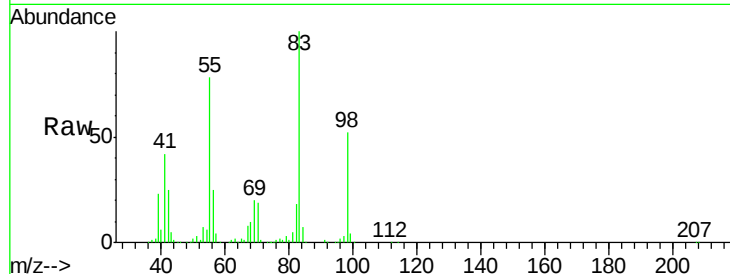
#39
Methvlcvclohexane
Concen: 52.135 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	442580
Ion Ratio	100	Lower	Upper
83	100		
55	77.6	58.7	88.1
98	51.9	40.2	60.4

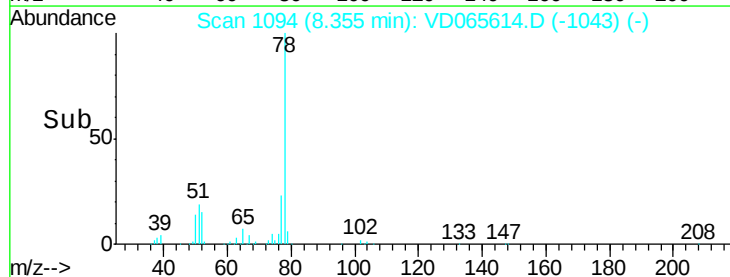
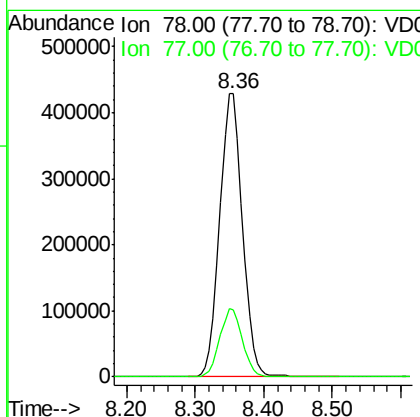
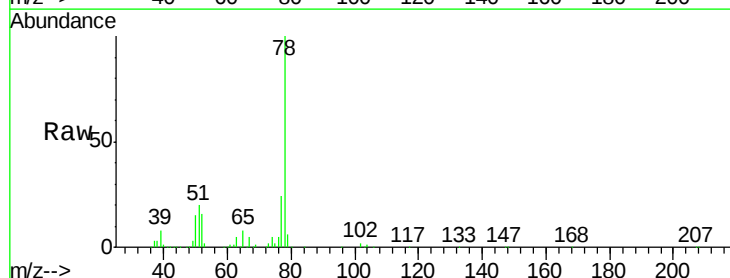
Manual Integrations
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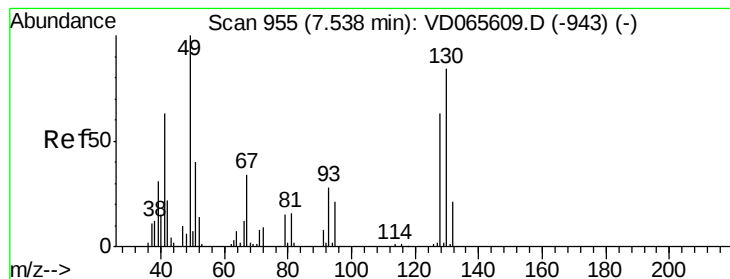
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#40
Benzene
Concen: 46.149 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	78	Resp	988775
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	19.4	29.0





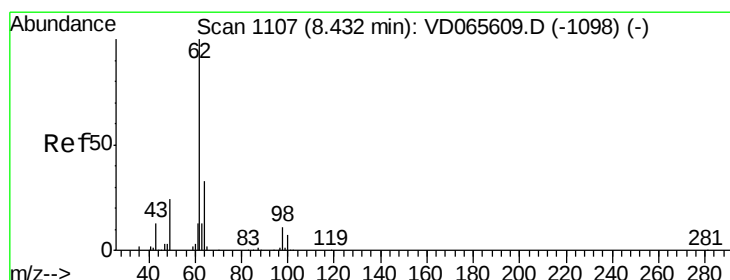
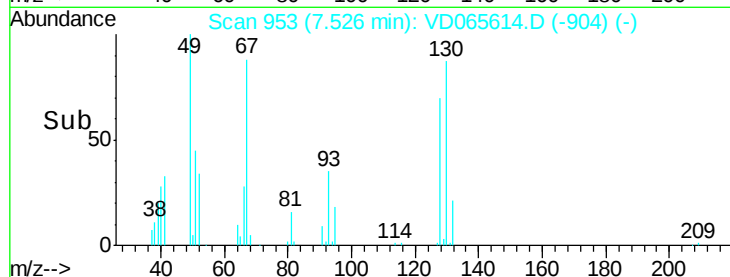
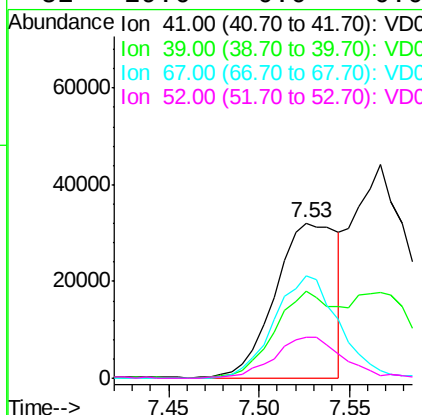
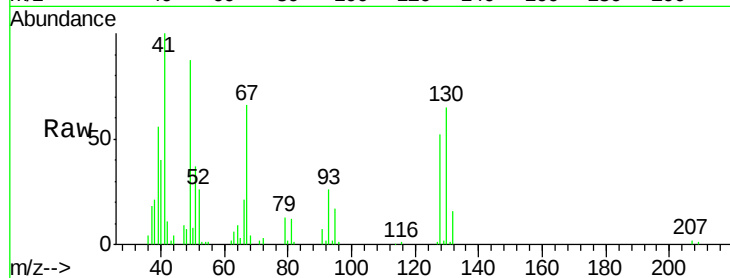
#41
Methacrylonitrile
Concen: 48.983 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	77169
Ion	Ratio	Lower	Upper
41	100		
39	60.0	0.0	0.0#
67	68.7	0.0	0.0#
52	29.6	0.0	0.0#

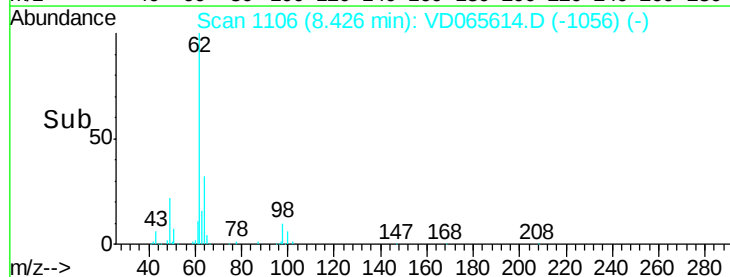
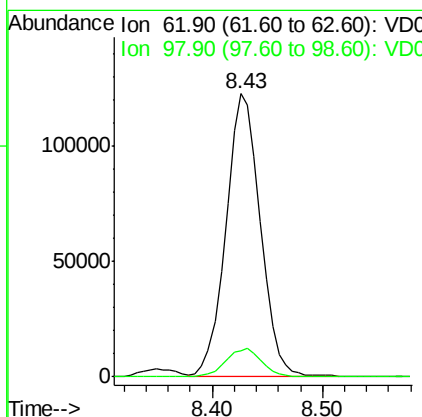
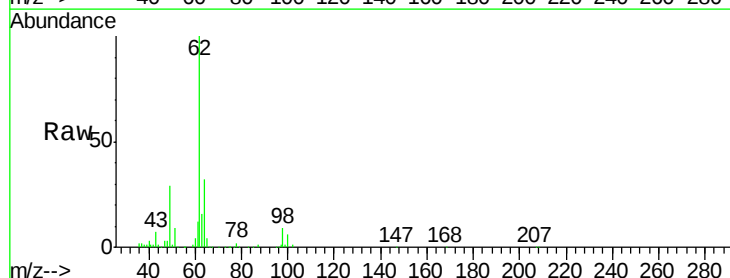
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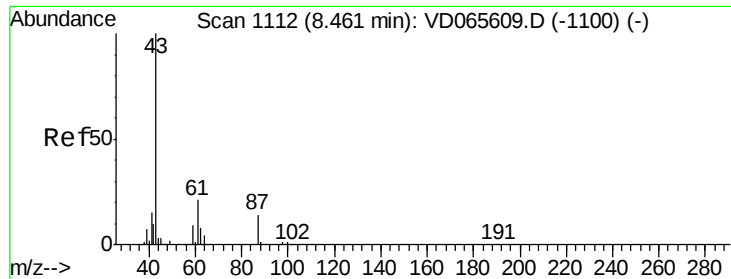
MMDadoda
4/14/2020 10:02:26 AM



#42
1,2-Dichloroethane
Concen: 44.420 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	62	Resp	265837
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 47.367 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

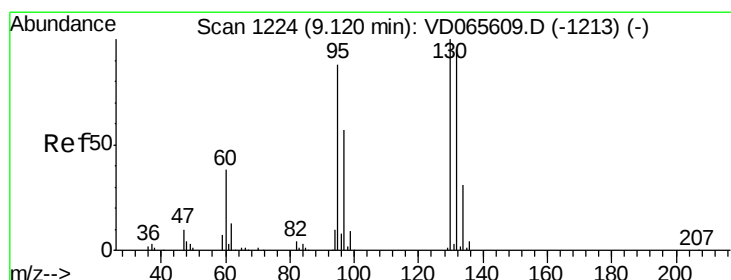
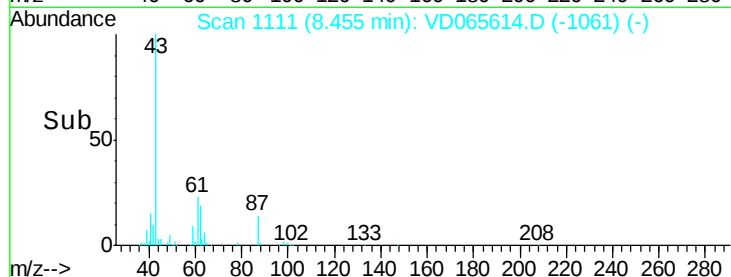
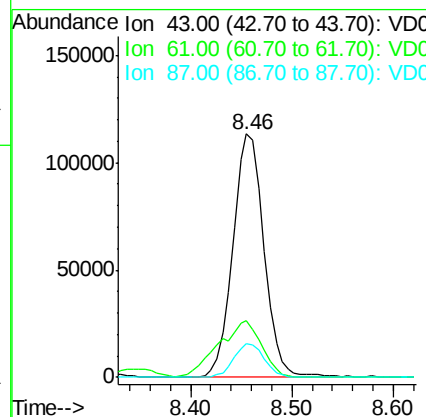
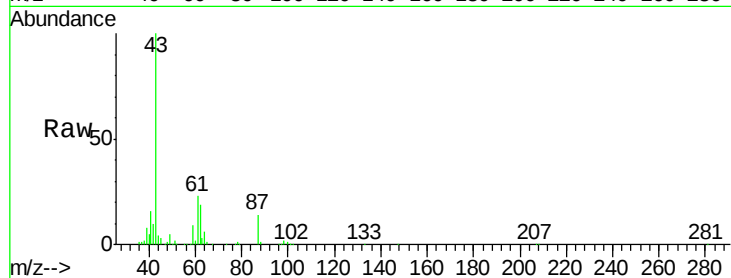
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	240629
Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.9	38.9
87	13.8	10.9	16.3

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#44

Trichloroethene

Concen: 46.828 ug/l

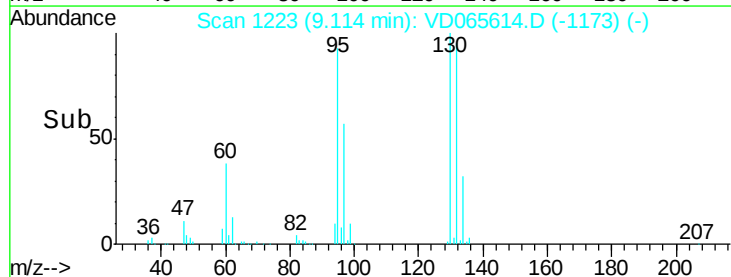
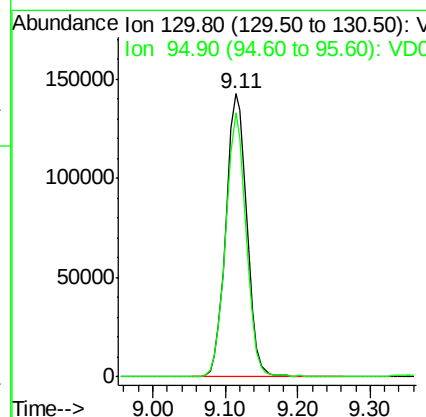
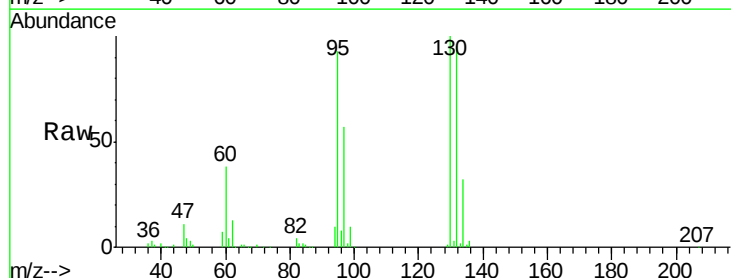
RT: 9.11 min Scan# 1223

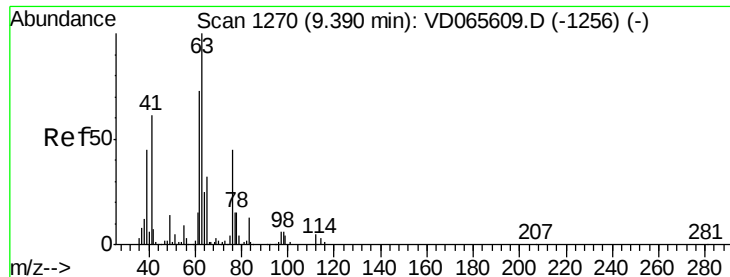
Delta R.T. -0.01 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Tgt Ion:	130	Resp:	288363
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	176.8





#45

1,2-Dichloropropane

Concen: 45.143 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 235523

Ion Ratio Lower Upper

63 100

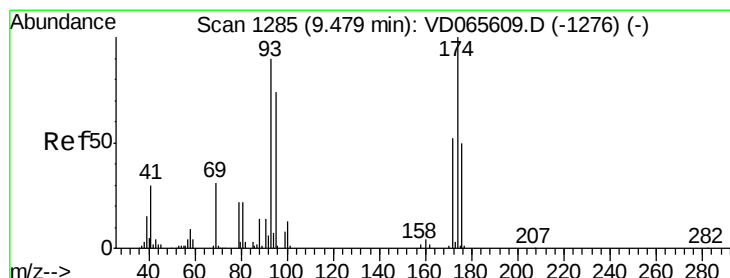
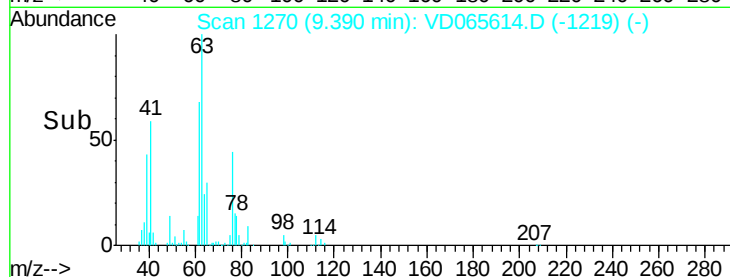
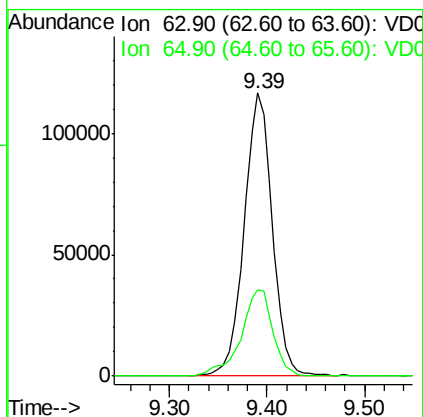
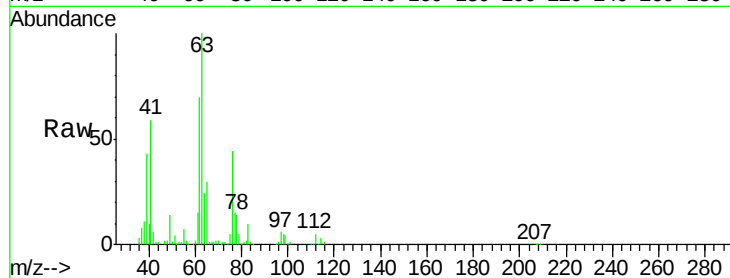
65 30.2 25.3 37.9

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#46

Dibromomethane

Concen: 44.757 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

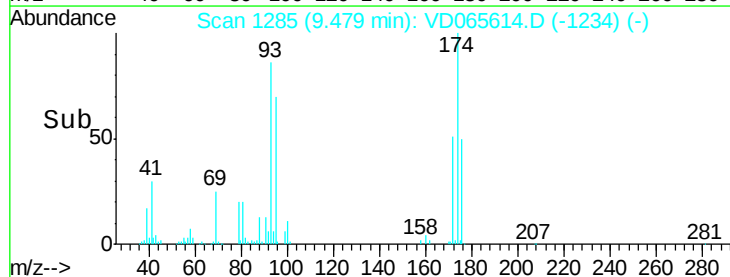
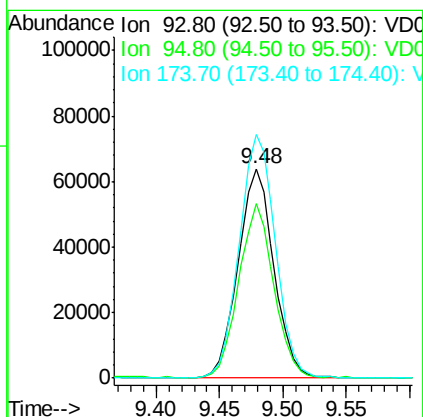
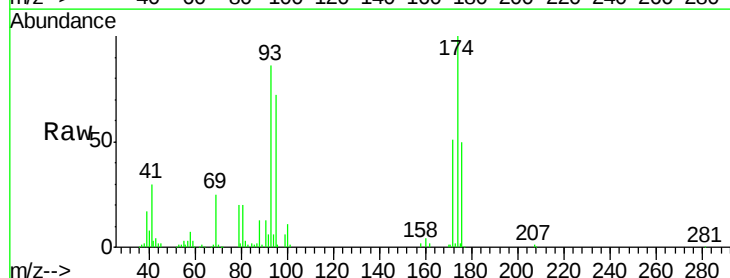
Tgt Ion: 93 Resp: 125514

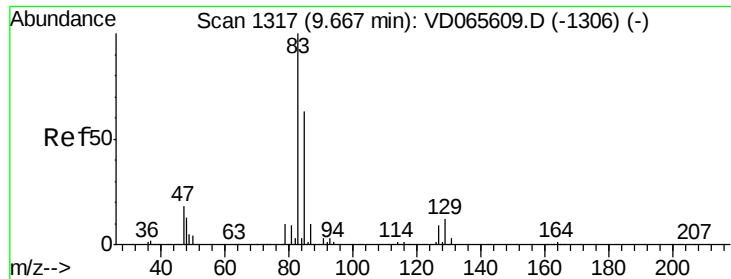
Ion Ratio Lower Upper

93 100

95 81.5 66.5 99.7

174 117.6 91.5 137.3





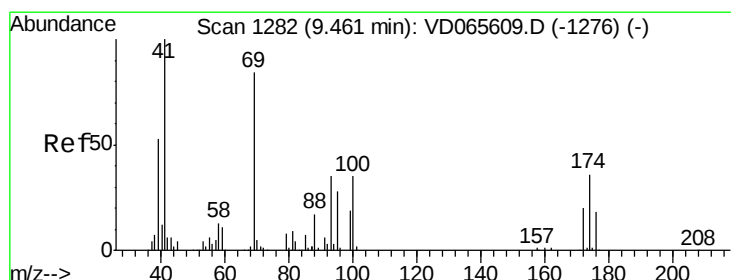
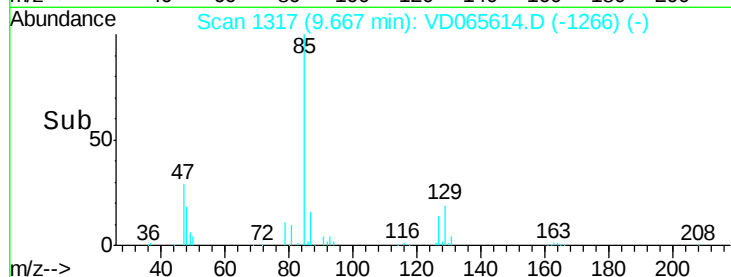
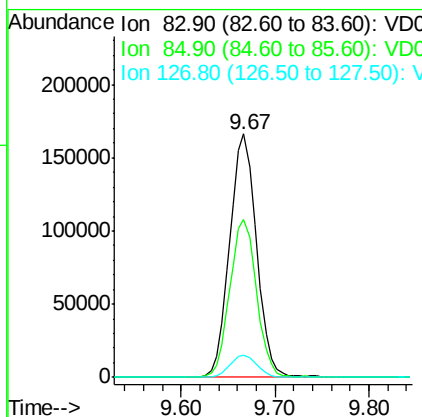
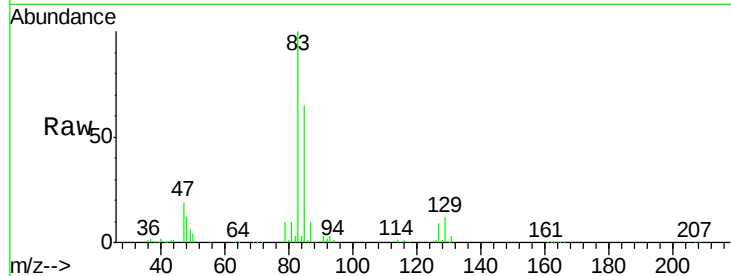
#47
Bromodichloromethane
Concen: 44.903 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.7	76.1
127	9.0	7.6	11.4

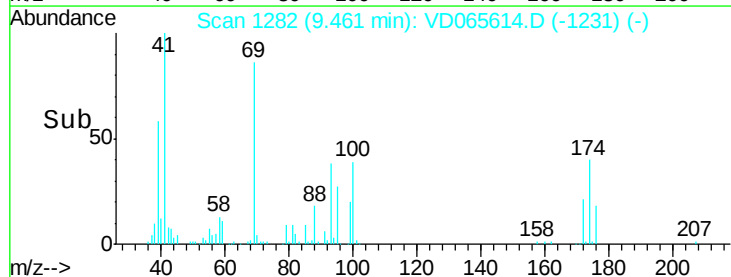
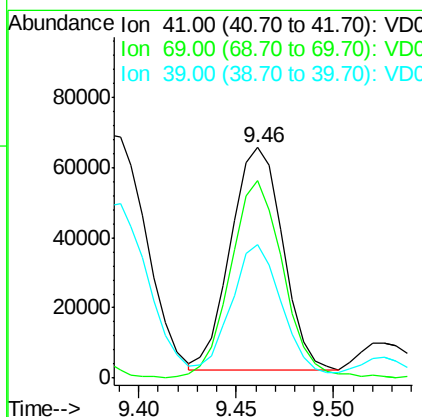
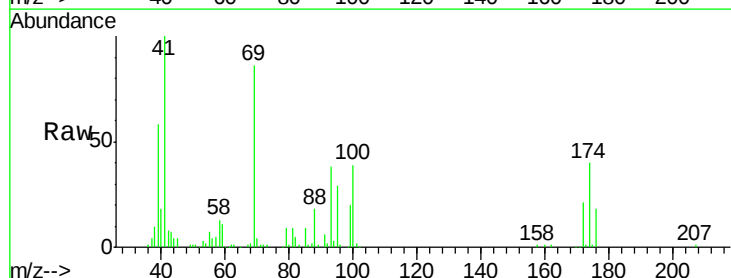
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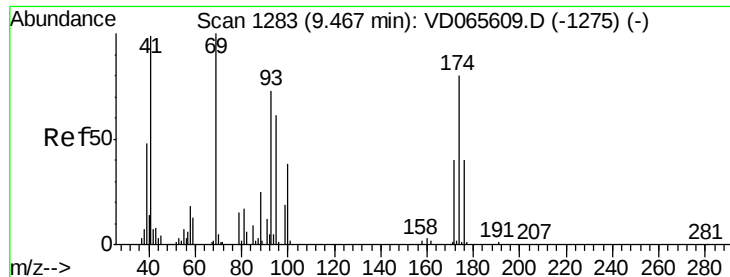
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#48
Methyl methacrylate
Concen: 49.476 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.8	72.4	108.6
39	55.1	43.5	65.3





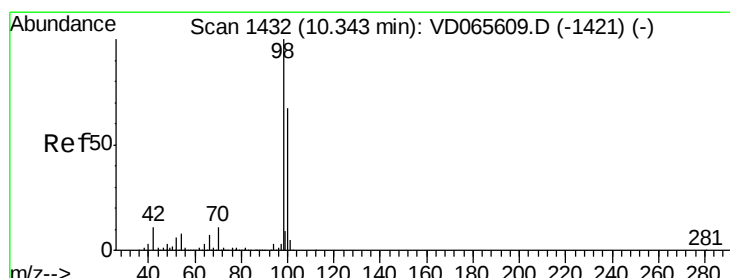
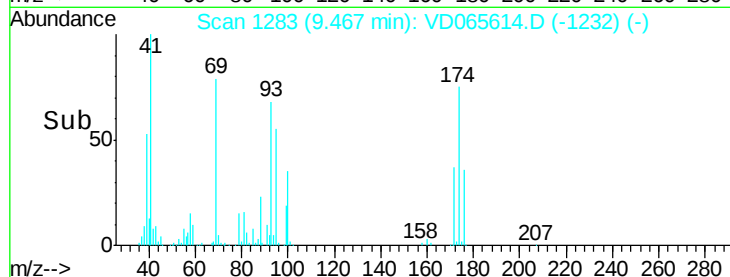
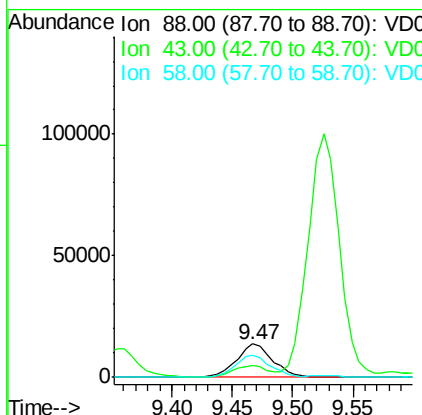
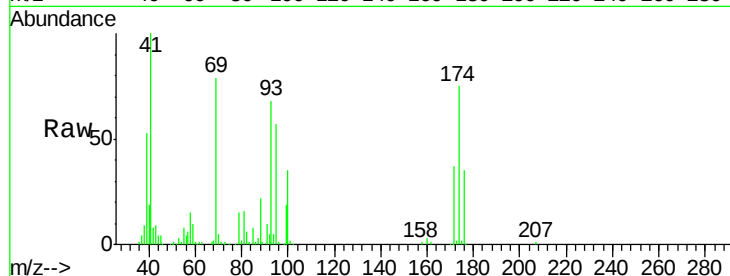
#49
1,4-Dioxane
Concen: 960.039 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	29.8	44.8
58	65.9	57.7	86.5

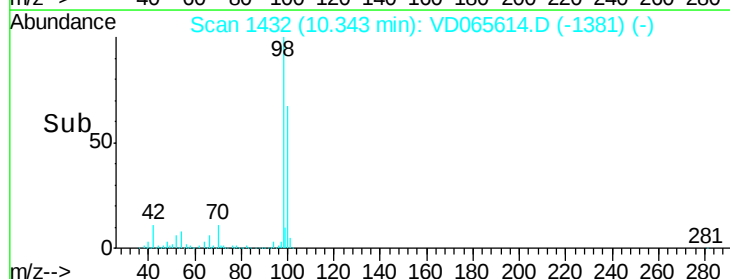
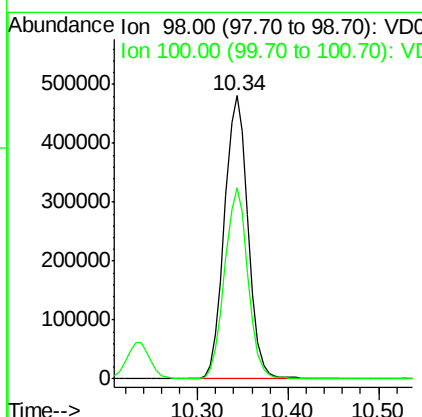
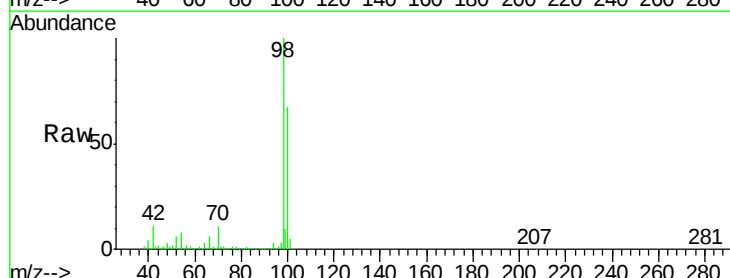
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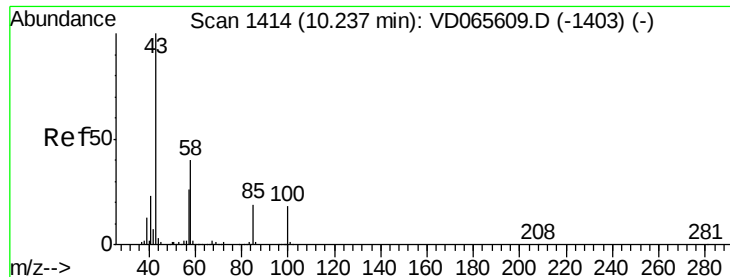
MMDadoda
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#50
Toluene-d8
Concen: 46.778 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 241.869 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 633203

Ion Ratio Lower Upper

43 100

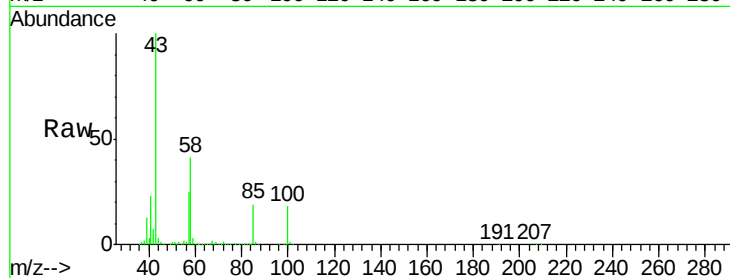
58 40.5 31.4 47.2

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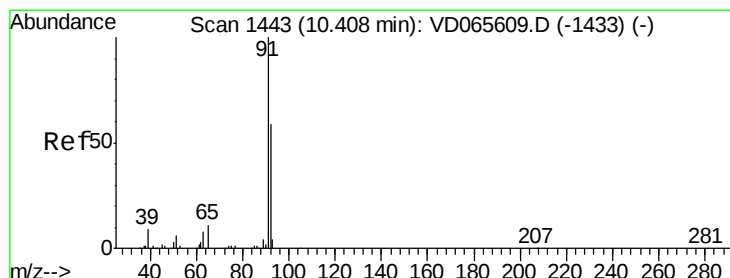
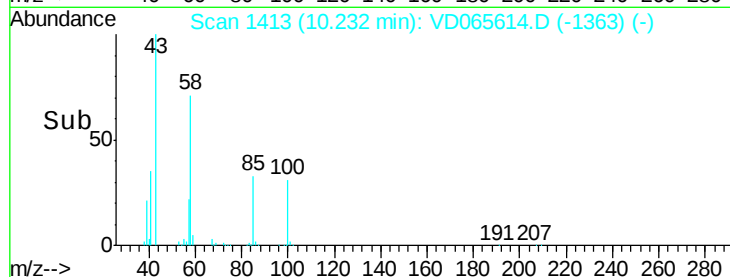
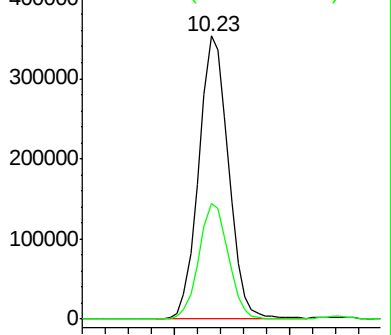
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 46.950 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065614.D

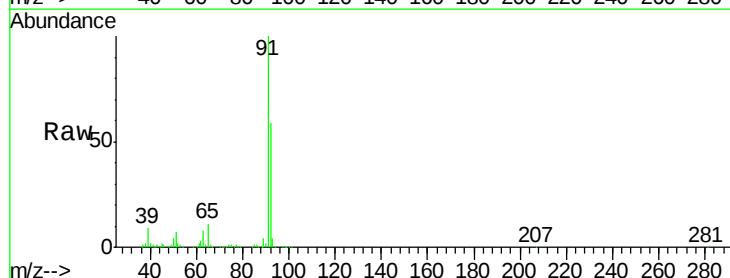
Acq: 13 Apr 2020 13:40

Tgt Ion: 92 Resp: 636041

Ion Ratio Lower Upper

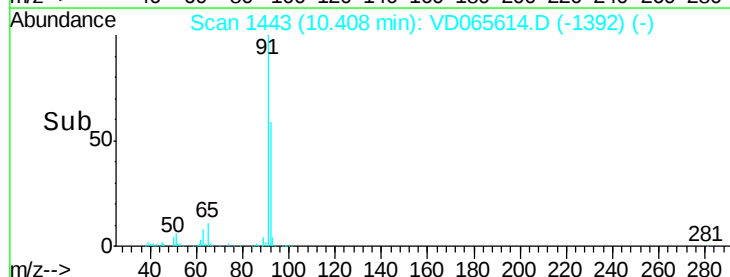
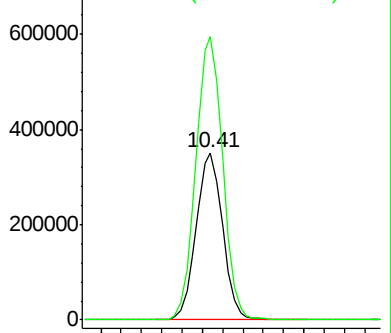
92 100

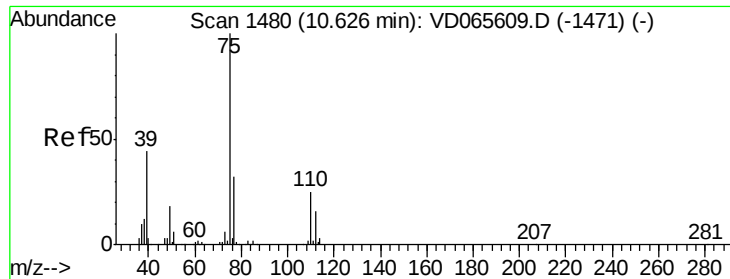
91 172.5 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





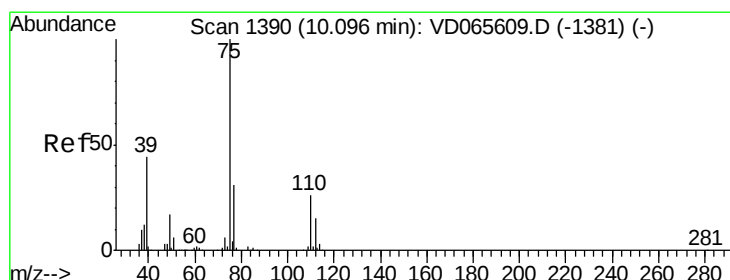
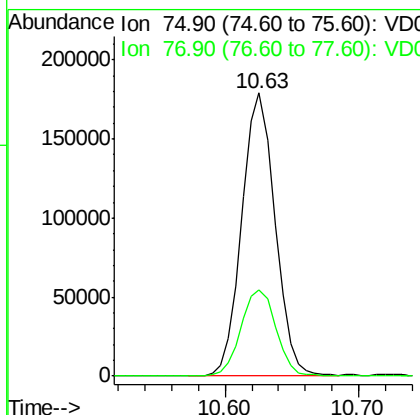
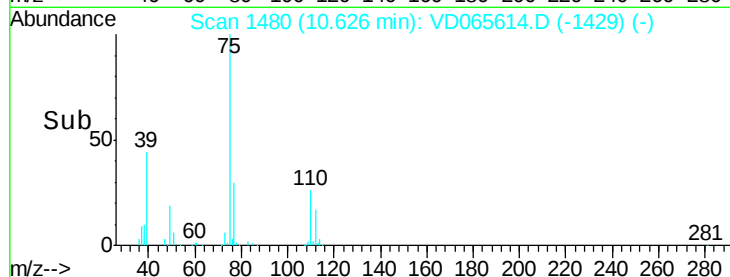
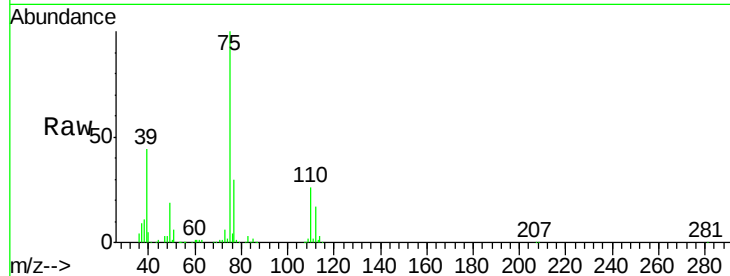
#53
 t-1,3-Dichloropropene
 Concen: 47.404 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 309415
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.4 38.0

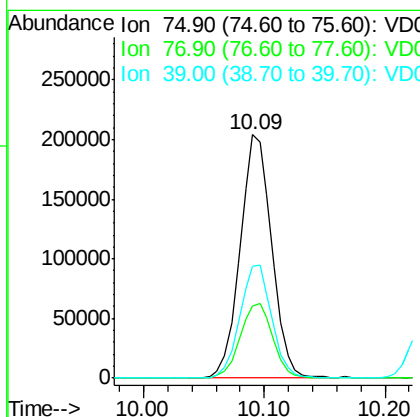
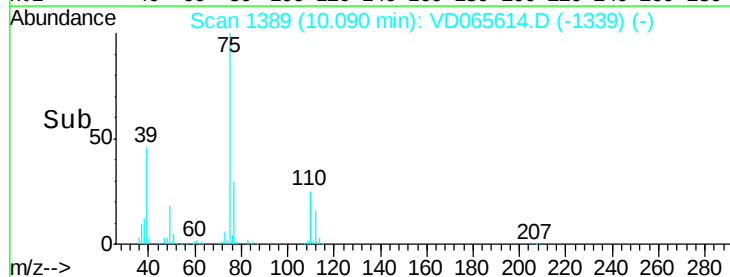
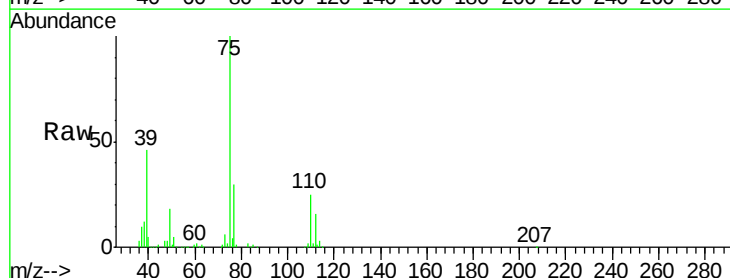
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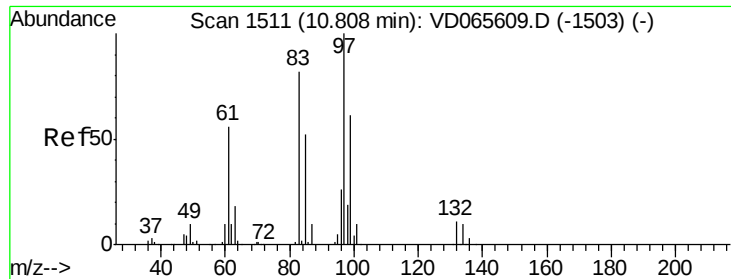
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#54
 cis-1,3-Dichloropropene
 Concen: 46.657 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Tgt Ion: 75 Resp: 372878
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.5 36.7
 39 45.6 35.5 53.3





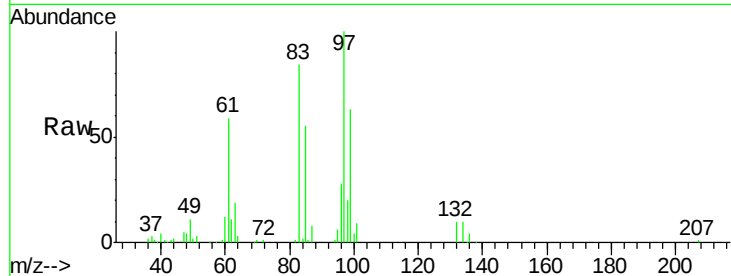
#55
 1,1,2-Trichloroethane
 Concen: 42.849 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

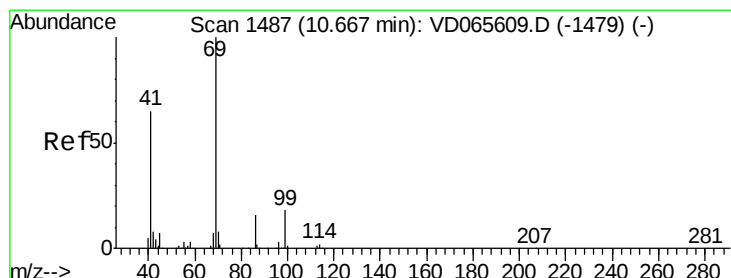
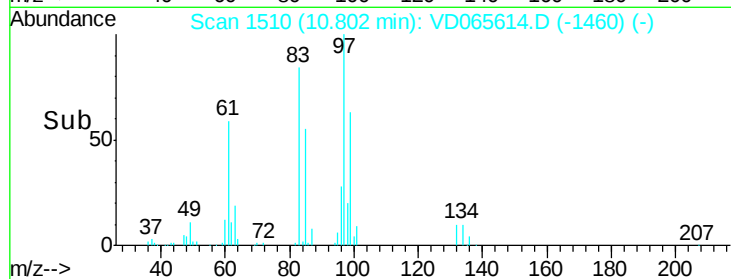
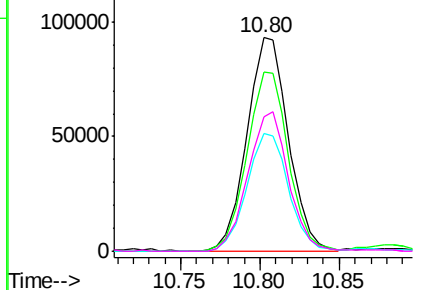
Tot Ion:	97	Resp:	168627
Ion	Ratio	Lower	Upper
97	100		
83	84.0	65.7	98.5
85	55.2	41.6	62.4
99	62.9	48.7	73.1

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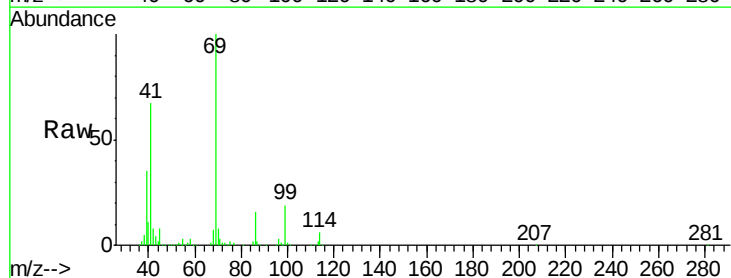


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

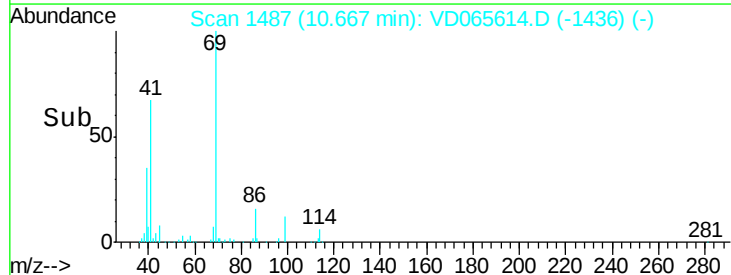
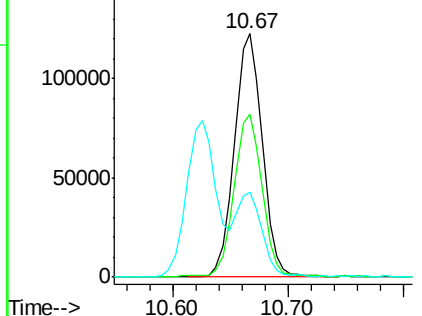


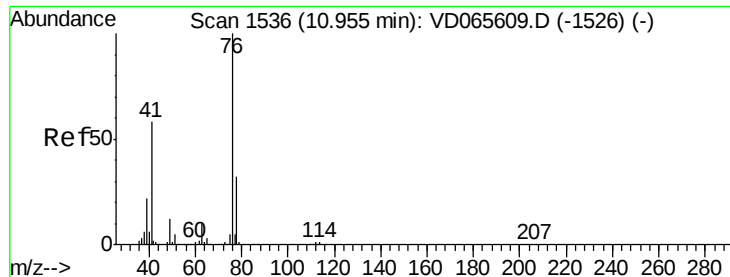
#56
 Ethyl methacrylate
 Concen: 44.212 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Tgt Ion:	69	Resp:	205545
Ion	Ratio	Lower	Upper
69	100		
41	66.0	54.4	81.6
39	31.3	26.5	39.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 45.053 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.01 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 293670

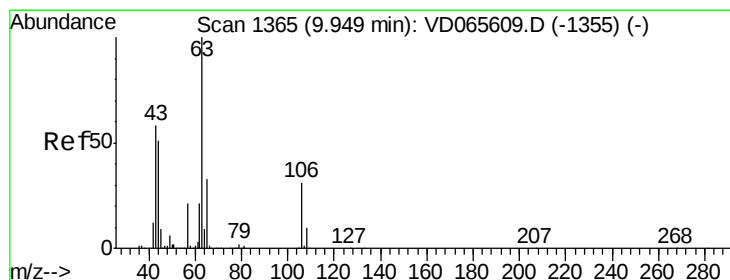
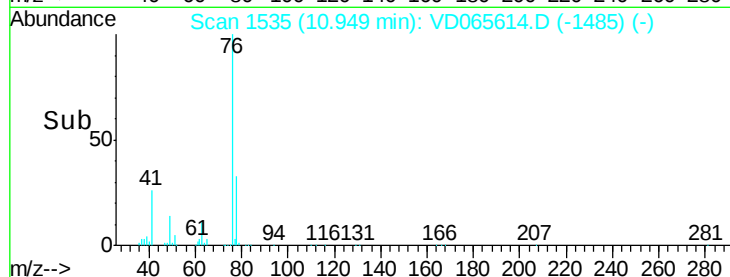
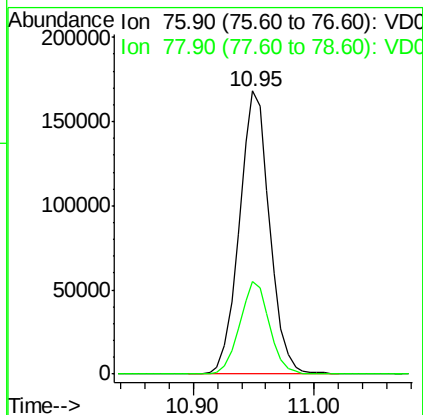
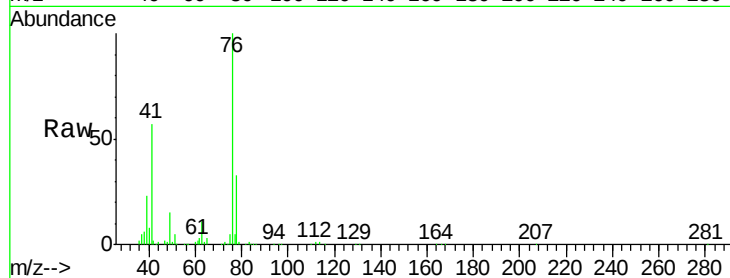
Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 253.271 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065614.D

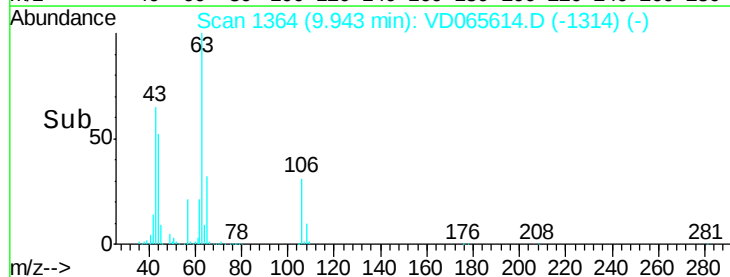
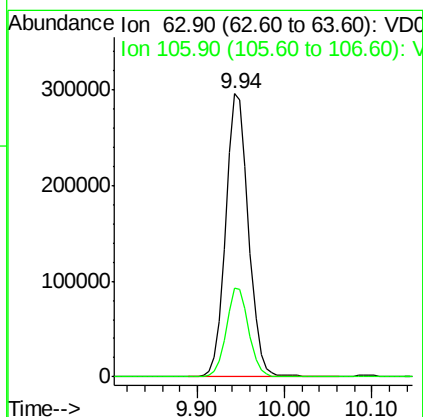
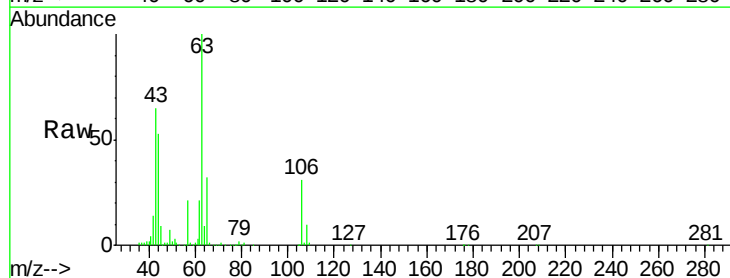
Acq: 13 Apr 2020 13:40

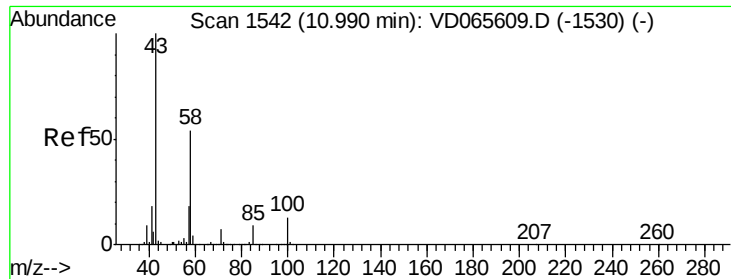
Tgt Ion: 63 Resp: 527906

Ion Ratio Lower Upper

63 100

106 30.9 24.2 36.2





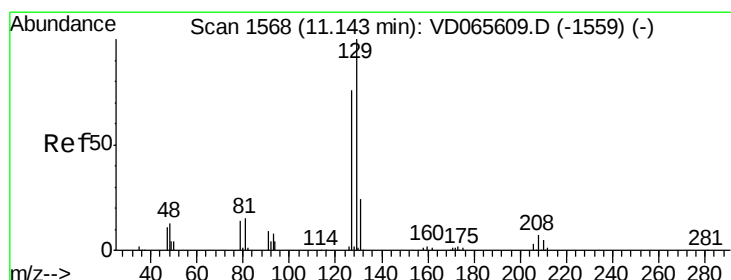
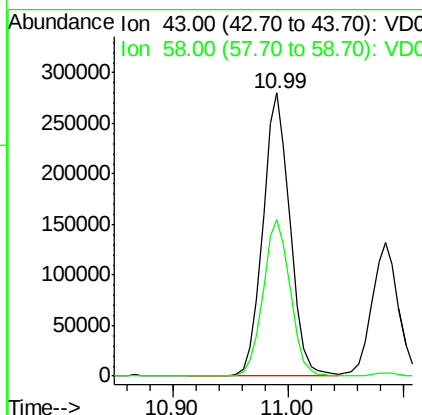
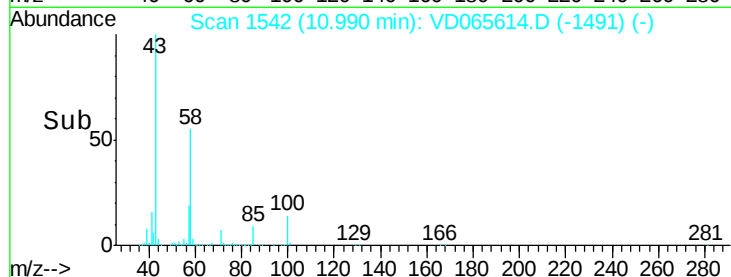
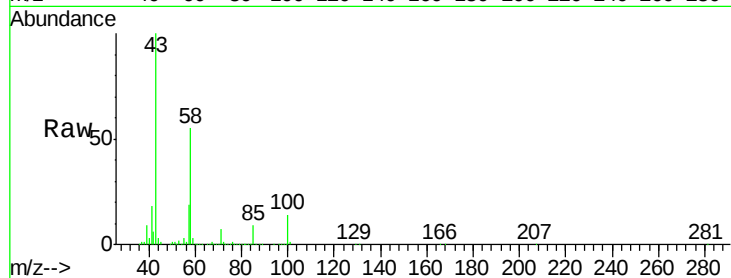
#59
2-Hexanone
Concen: 263.278 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 458064
Ion Ratio Lower Upper
43 100
58 55.8 27.1 81.3

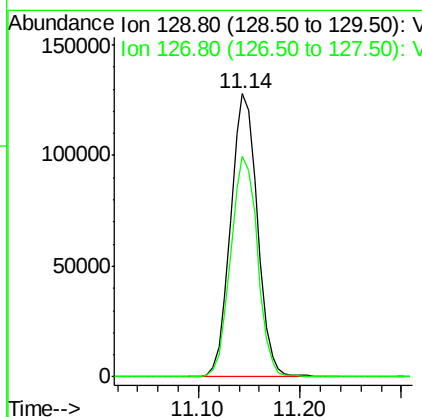
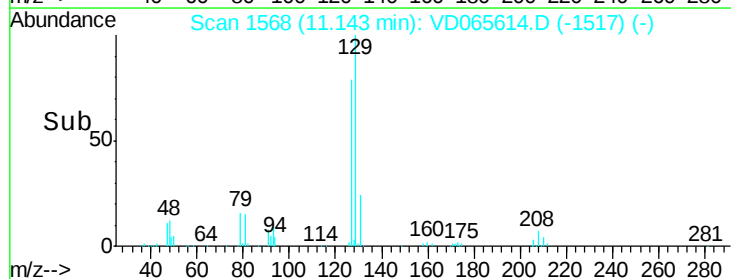
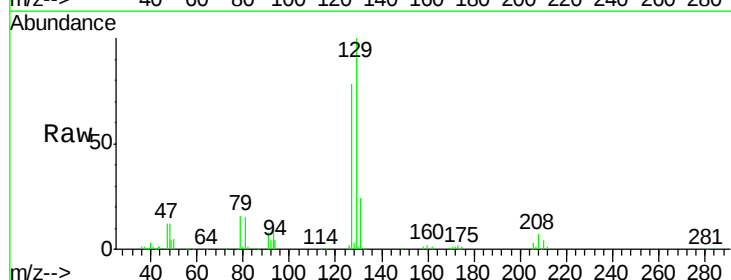
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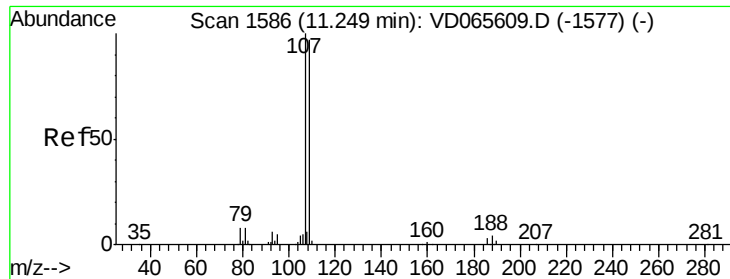
MMDadoda
4/14/2020 10:02:26 AM



#60
Dibromochloromethane
Concen: 44.763 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion: 129 Resp: 234609
Ion Ratio Lower Upper
129 100
127 78.1 38.1 114.3





#61

1,2-Dibromoethane

Concen: 45.491 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 170174

Ion Ratio Lower Upper

107 100

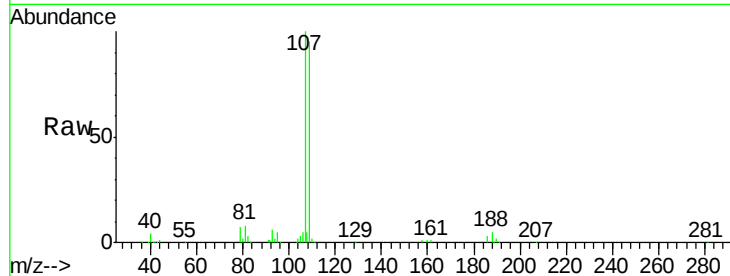
109 94.0 74.9 112.3

Manual Integrations

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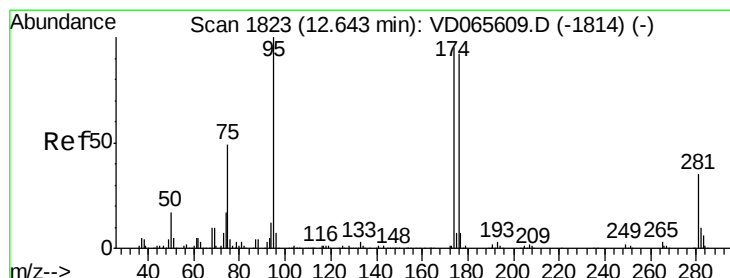
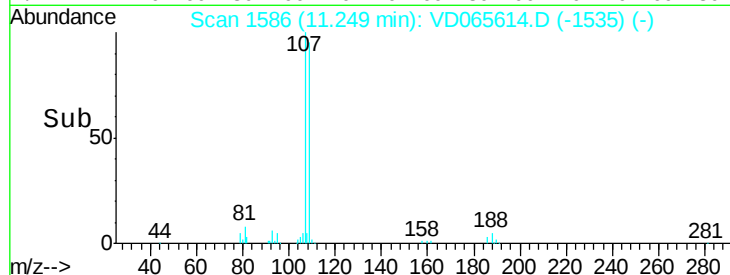
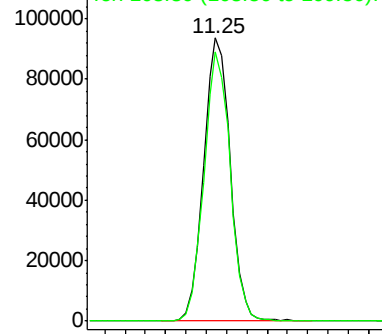
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.663 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

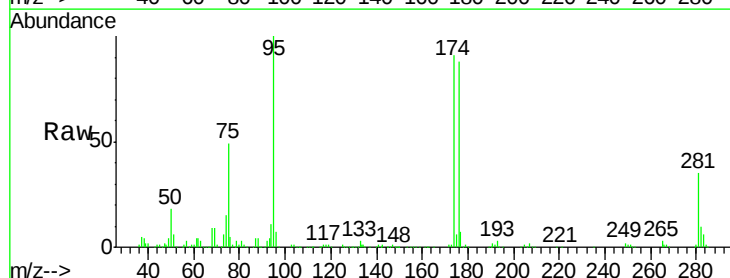
Tgt Ion: 95 Resp: 278647

Ion Ratio Lower Upper

95 100

174 93.7 0.0 182.8

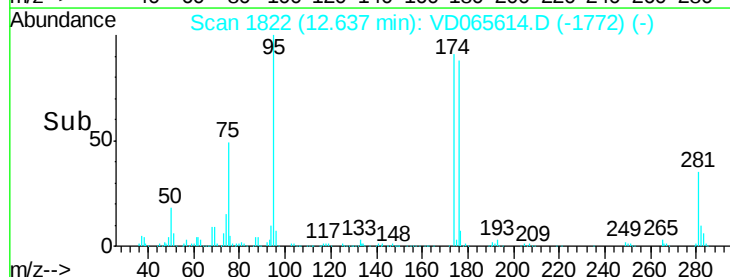
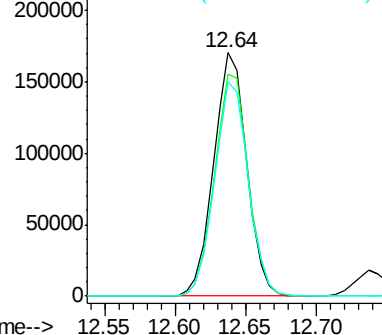
176 89.5 0.0 176.6

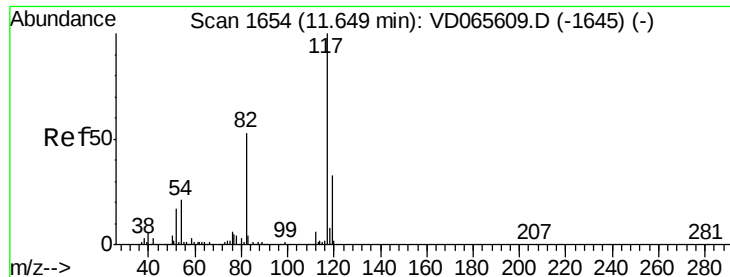


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





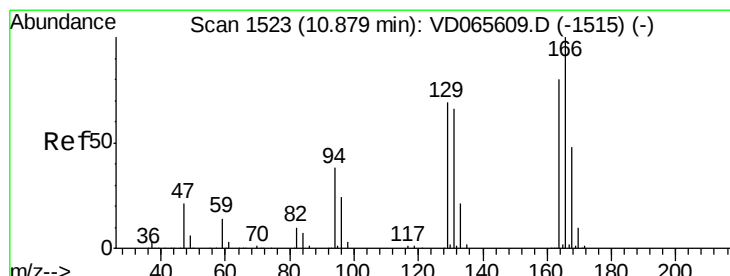
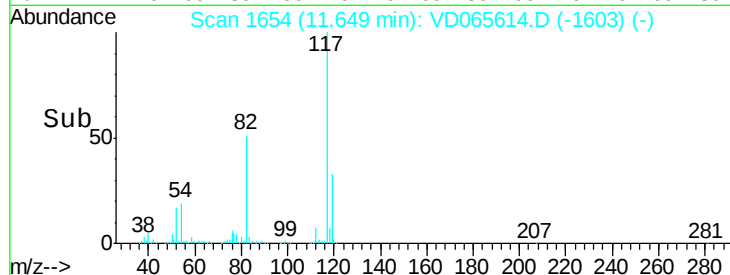
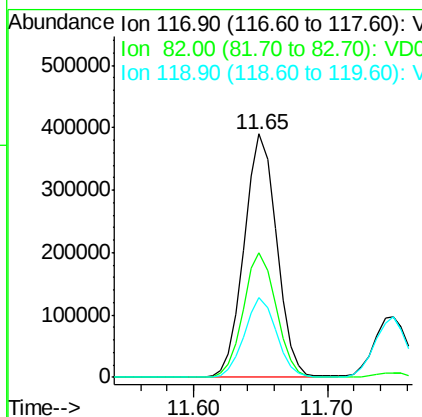
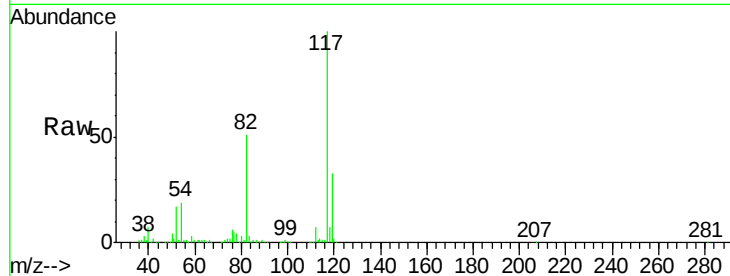
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	658056		
82	51.1		42.6	64.0
119	32.6		26.7	40.1

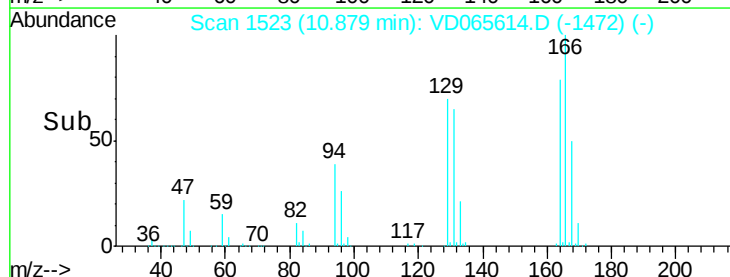
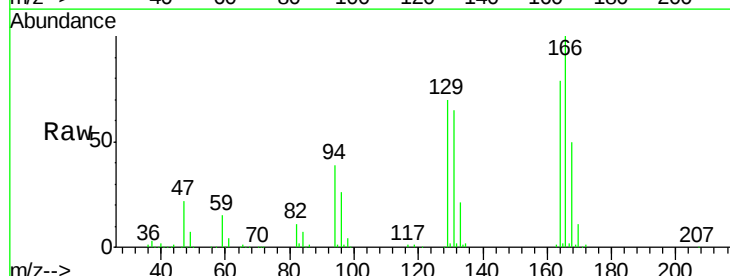
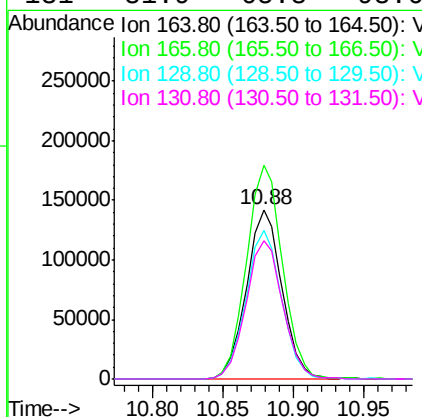
Manual Integrations
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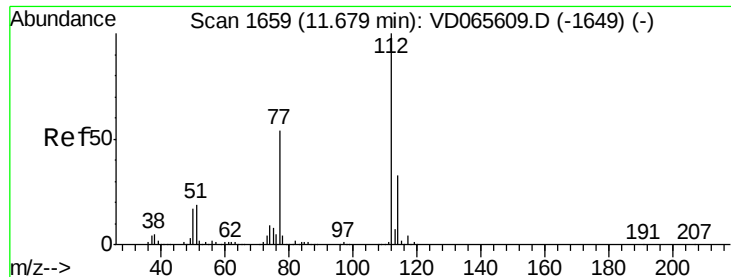
MMDadoda
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#64
Tetrachloroethene
Concen: 47.880 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	250615		
166	126.2		100.2	150.2
129	87.9		69.5	104.3
131	81.9		65.8	98.6





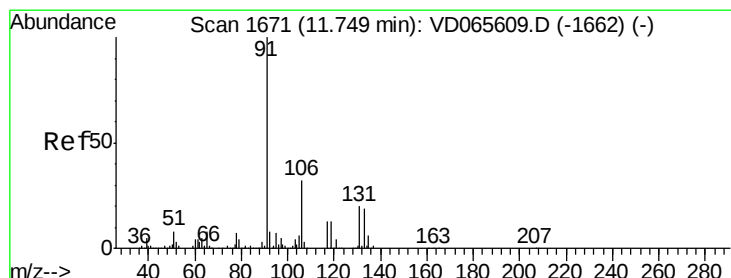
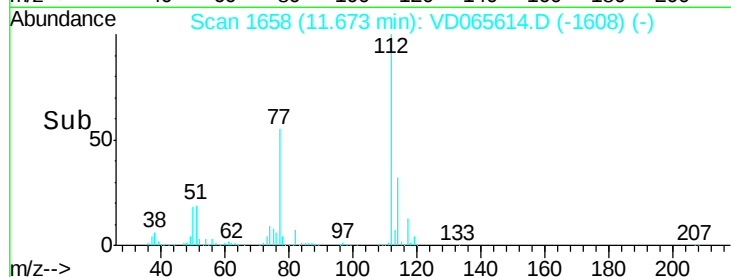
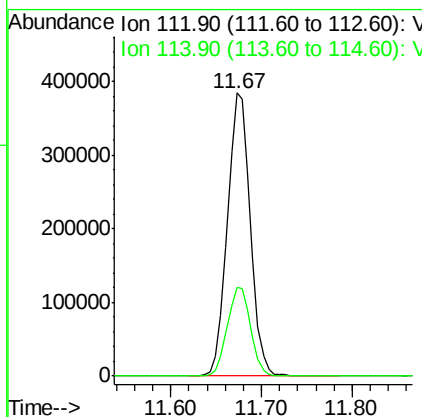
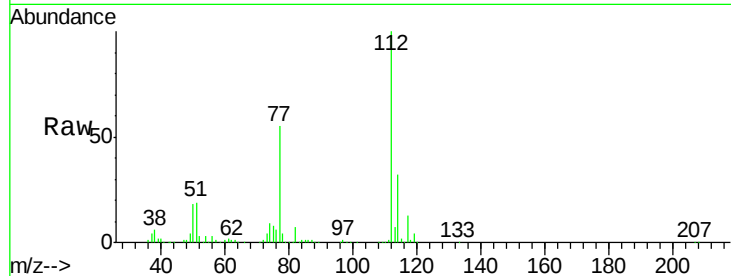
#65
Chlorobenzene
Concen: 47.289 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.2	39.2

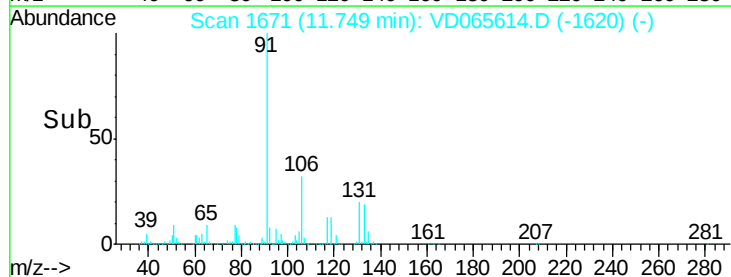
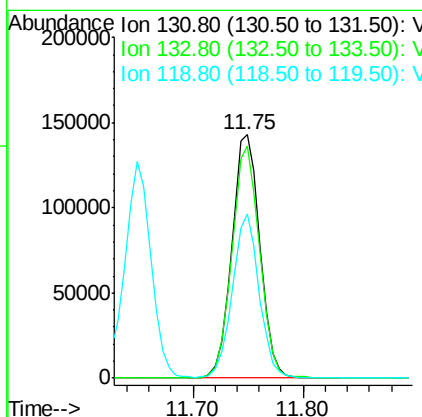
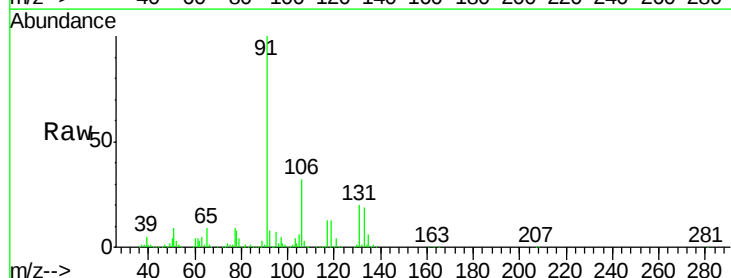
Manual Integrations
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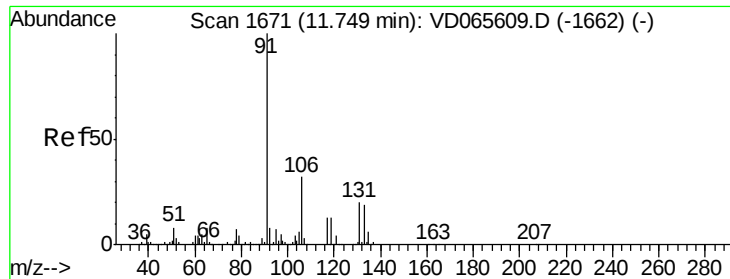
MMDadoda
4/14/2020 10:02:26 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.978 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.3	142.0
119	64.4	31.9	95.9





#67

Ethyl Benzene

Concen: 50.771 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1194821

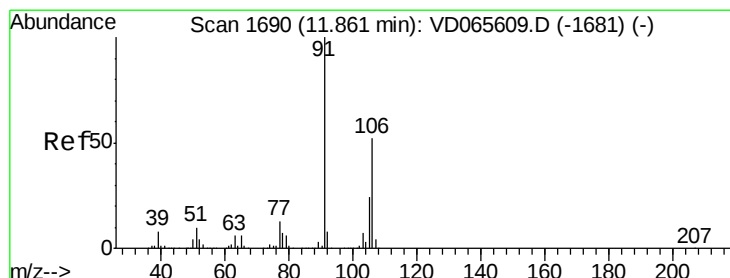
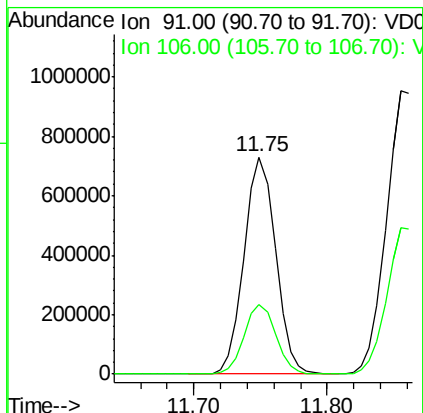
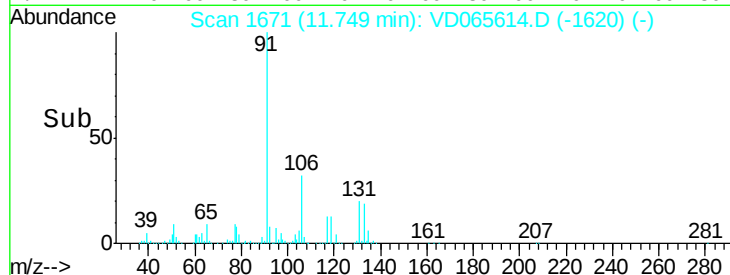
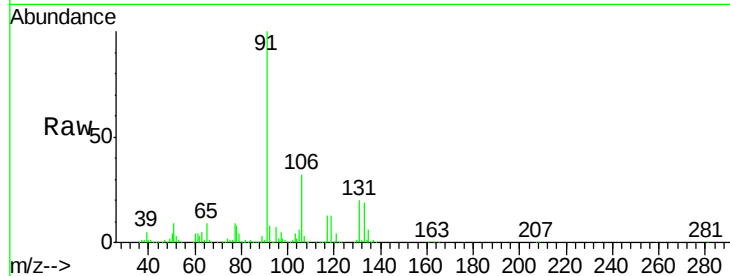
Ion Ratio Lower Upper

91 100

106 32.3 25.6 38.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 101.048 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065614.D

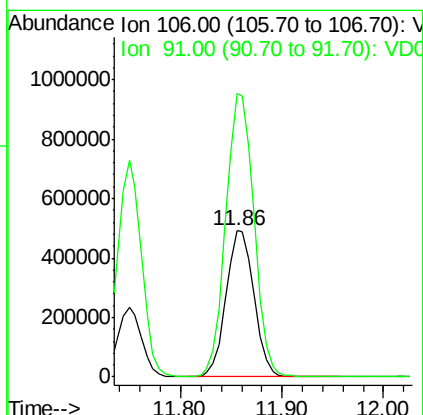
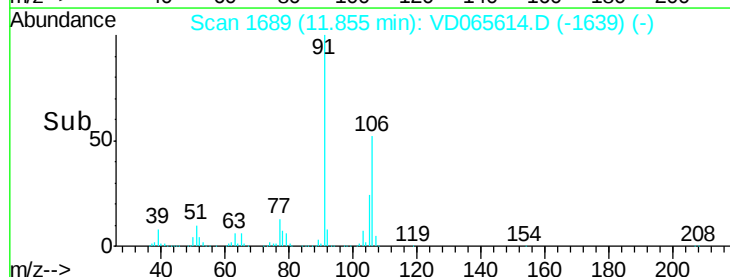
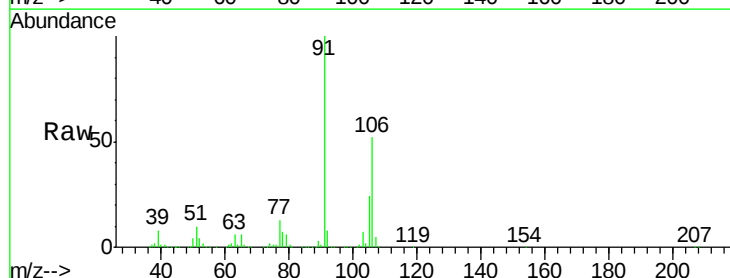
Acq: 13 Apr 2020 13:40

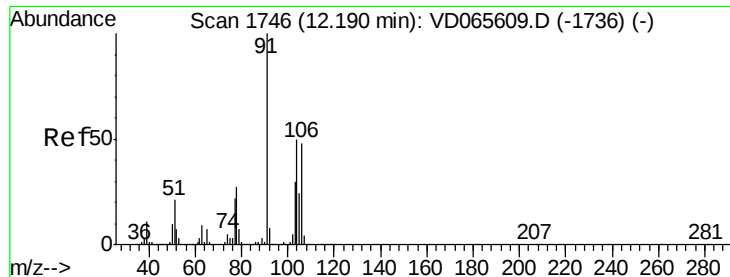
Tgt Ion: 106 Resp: 938183

Ion Ratio Lower Upper

106 100

91 195.6 155.0 232.4





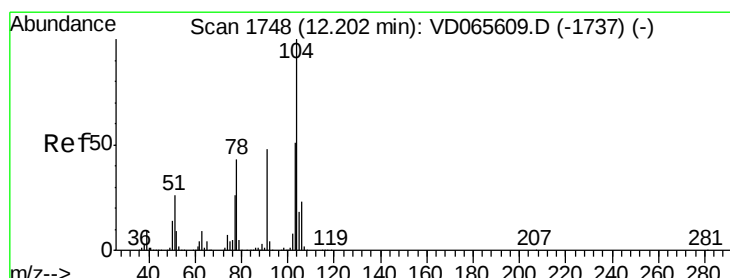
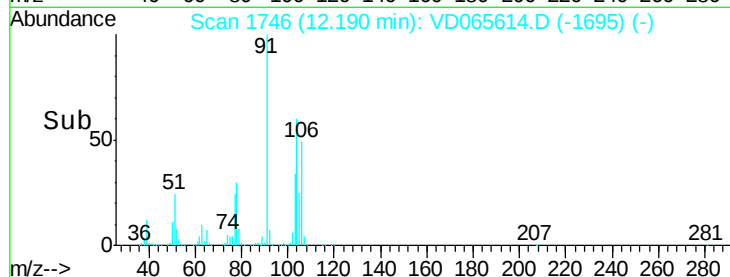
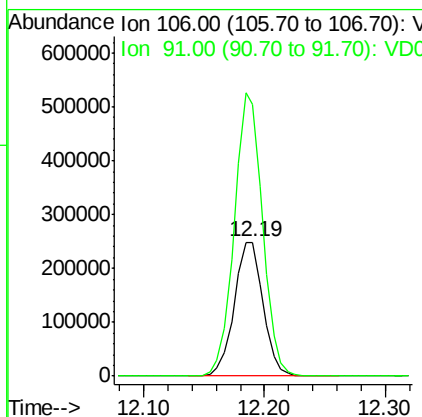
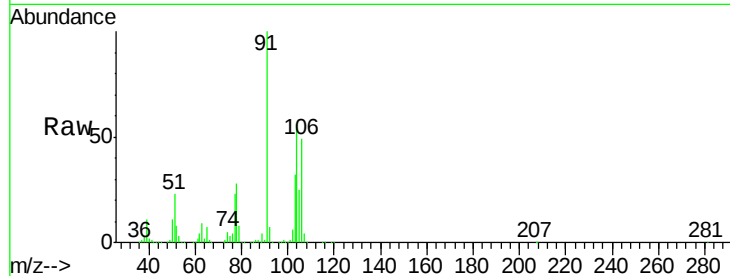
#69
o-Xylene
Concen: 51.786 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	414312		
91	207.0	103.8	311.3		

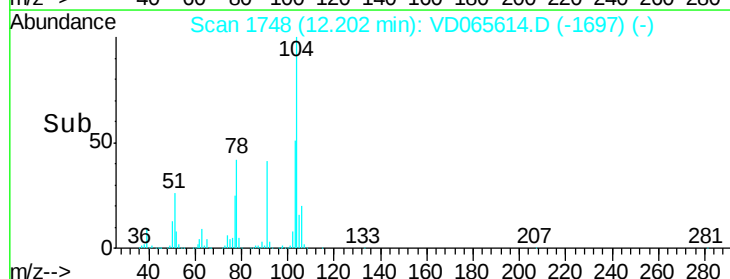
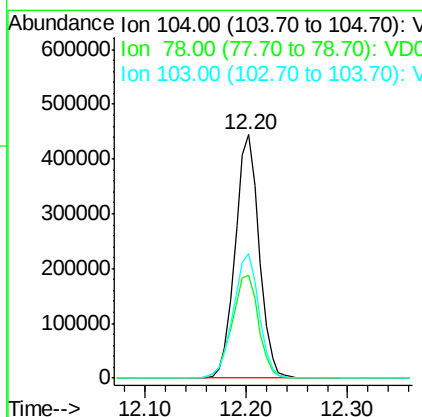
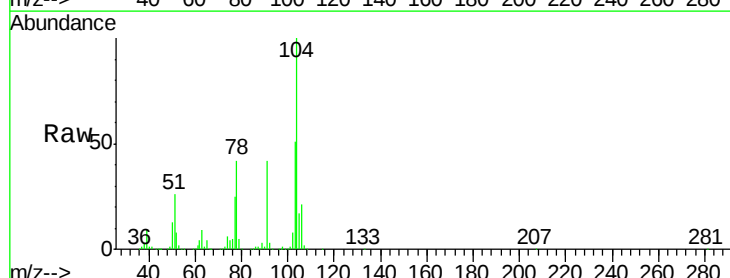
Manual Integrations
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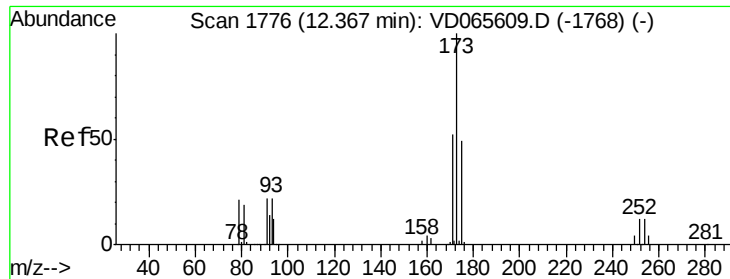
MMDadoda
4/14/2020 10:02:26 AM



#70
Styrene
Concen: 51.536 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	728952		
78	46.9	37.1	55.7		
103	55.0	43.2	64.8		





#71

Bromoform

Concen: 45.384 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

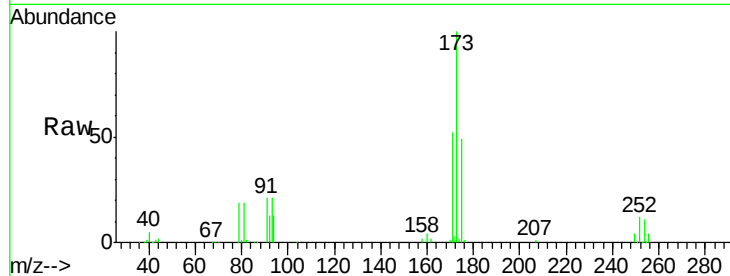
ClientSampleId :

VSTDCCC050

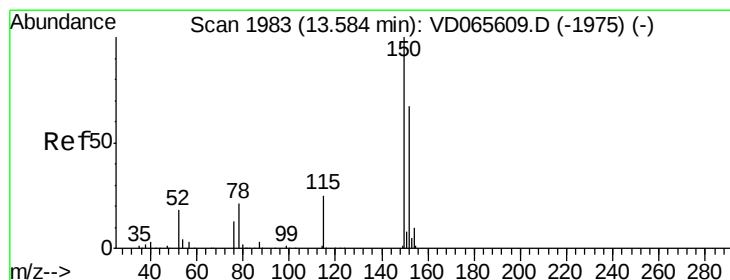
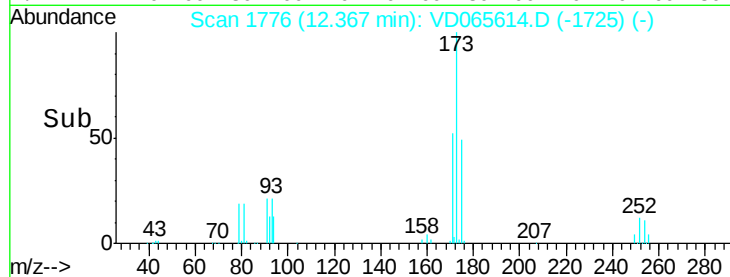
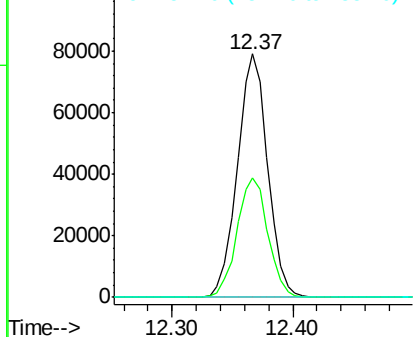
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.5	73.5
254	0.1	0.0	0.0#

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4/14/2020 10:02:26 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

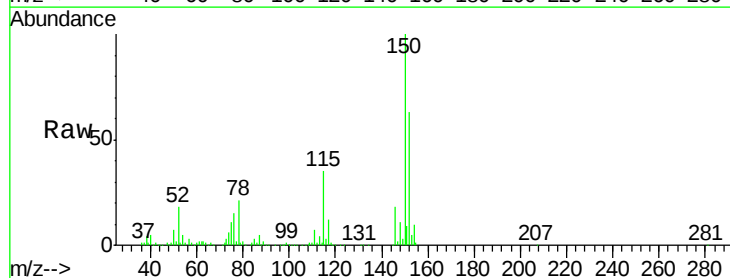
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

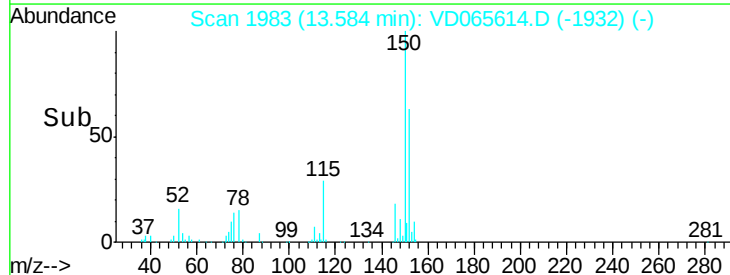
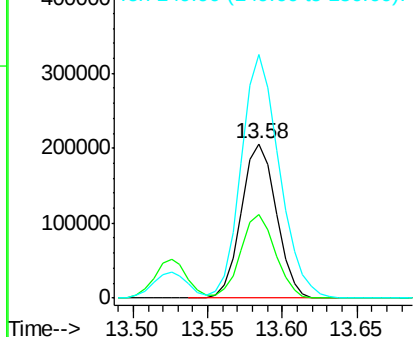
Lab File: VD065614.D

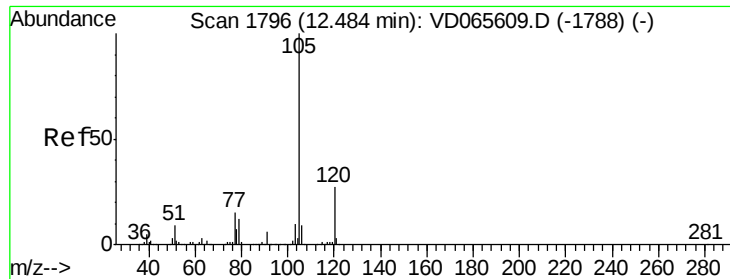
Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.1	81.2
150	172.1	0.0	348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.167 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1151371

Ion Ratio Lower Upper

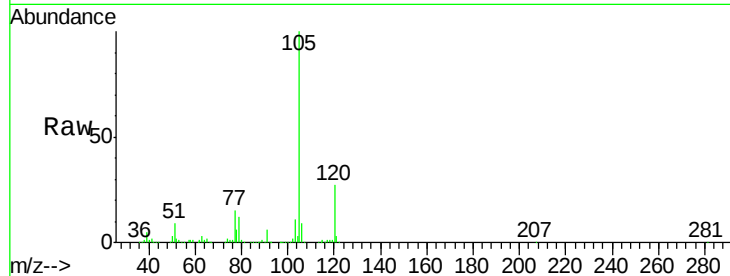
105 100

120 27.4 13.8 41.3

Manual Integrations
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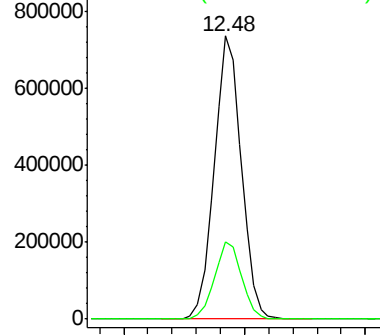
MMDadoda

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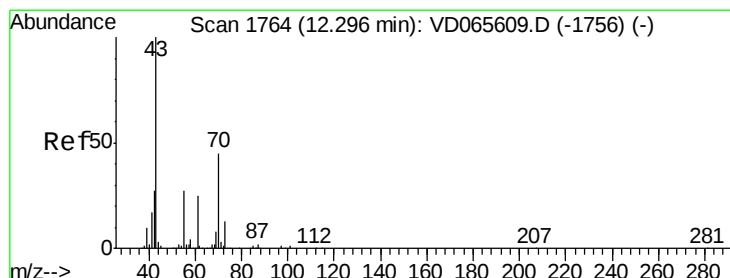
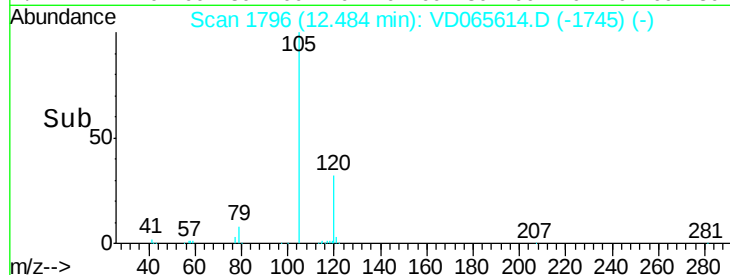


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 45.367 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Tgt Ion: 43 Resp: 217254

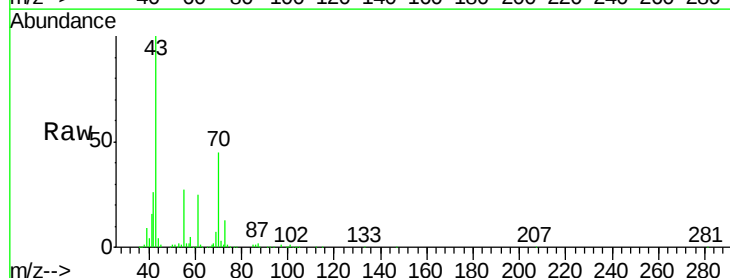
Ion Ratio Lower Upper

43 100

70 45.2 35.2 52.8

55 27.9 22.5 33.7

61 25.0 19.4 29.0

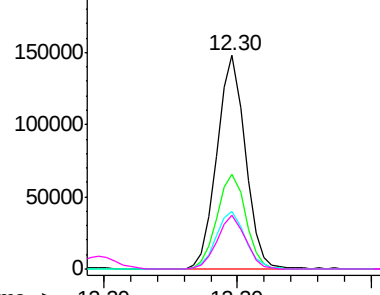


Abundance Ion 43.00 (42.70 to 43.70): VDC

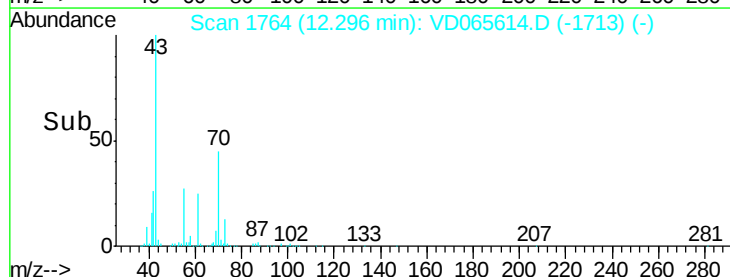
Ion 70.00 (69.70 to 70.70): VDC

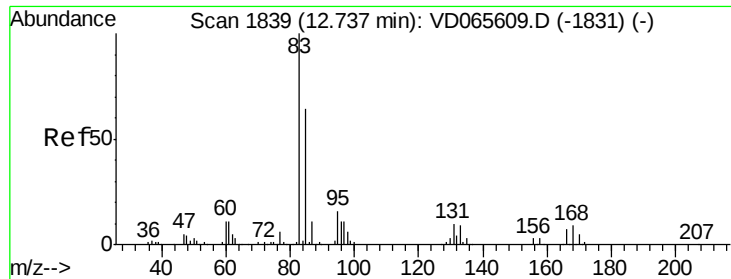
Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.328 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

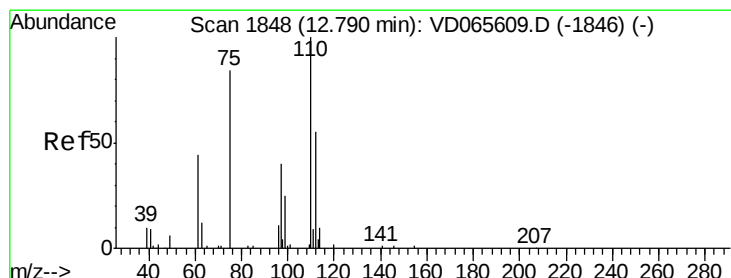
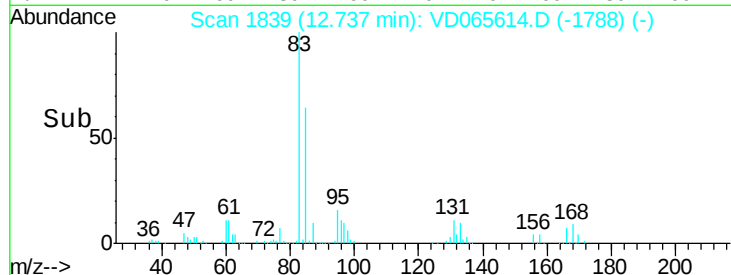
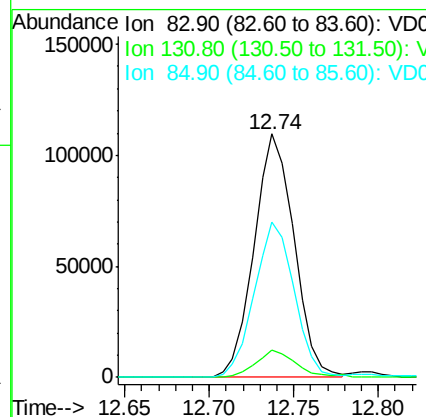
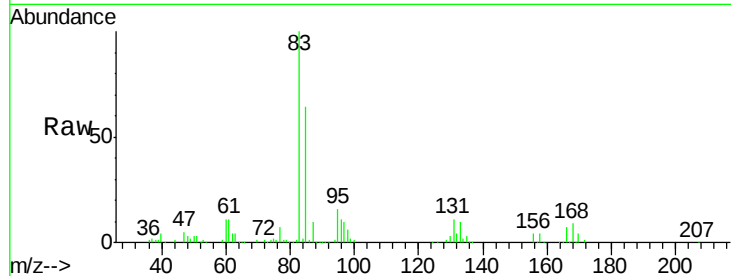
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	181023
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.7	17.0
85	63.5	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 45.896 ug/l m

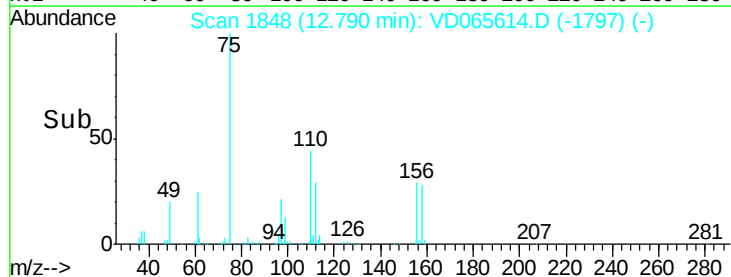
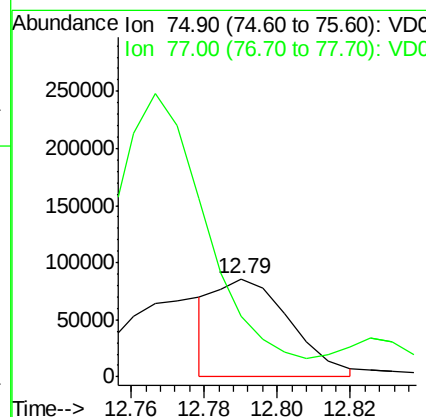
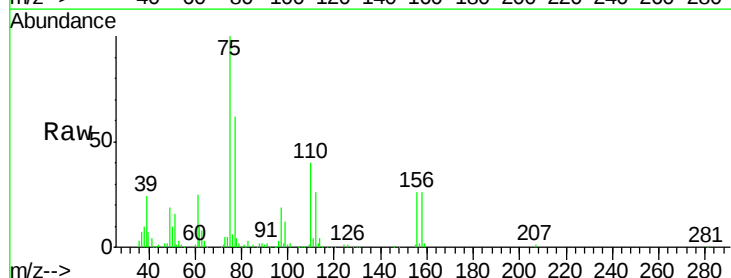
RT: 12.79 min Scan# 1848

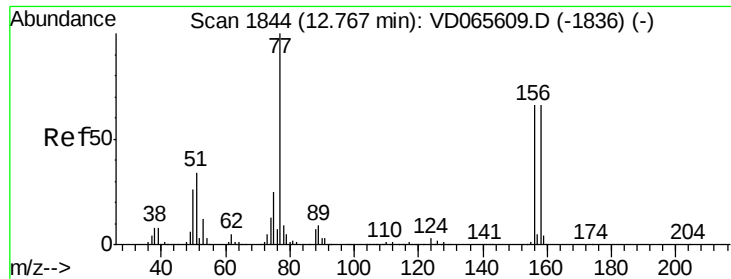
Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Tgt Ion:	75	Resp:	122798
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





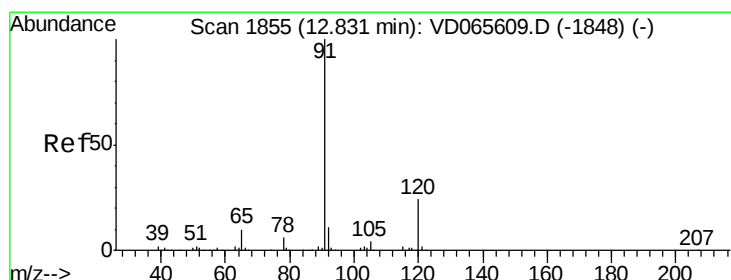
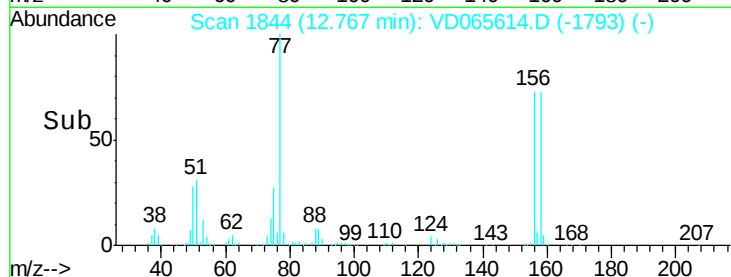
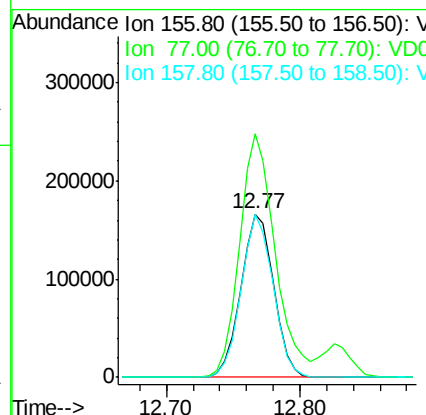
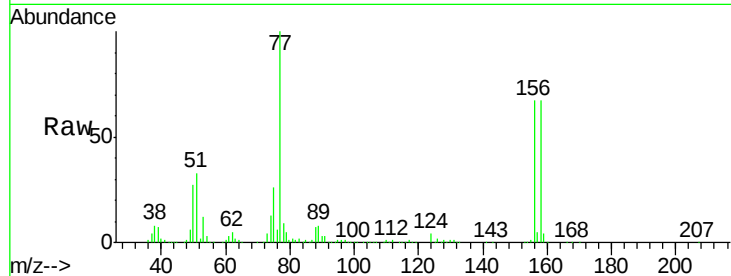
#77
Bromobenzene
Concen: 48.333 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	162.3	80.3	240.9
158	97.4	48.5	145.5

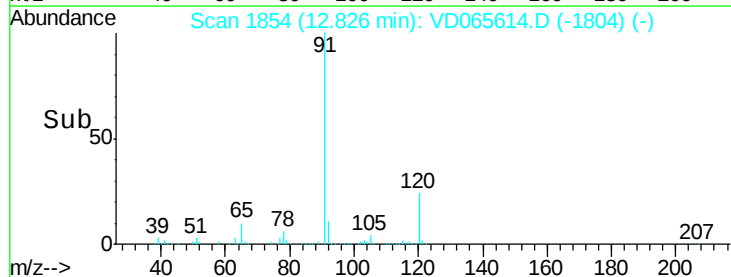
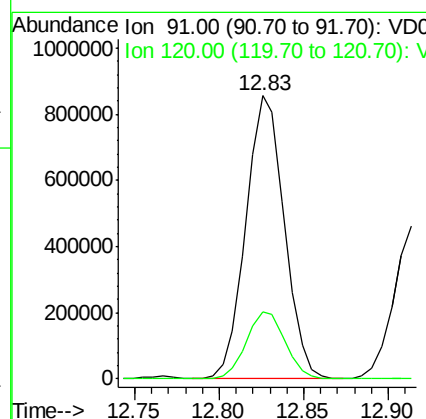
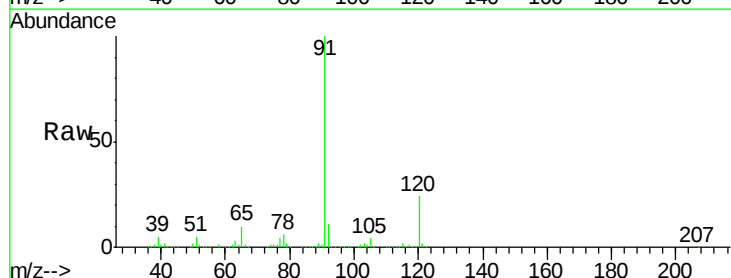
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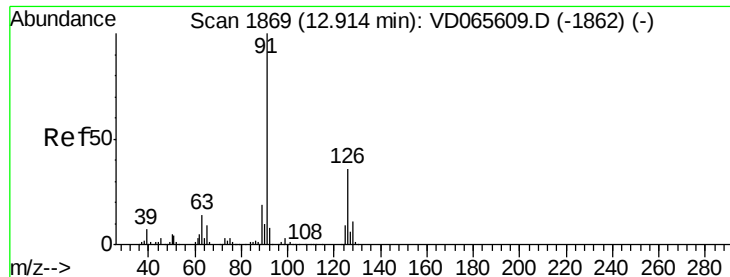
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#78
n-propylbenzene
Concen: 52.840 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.853 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 747661

Ion Ratio Lower Upper

91 100

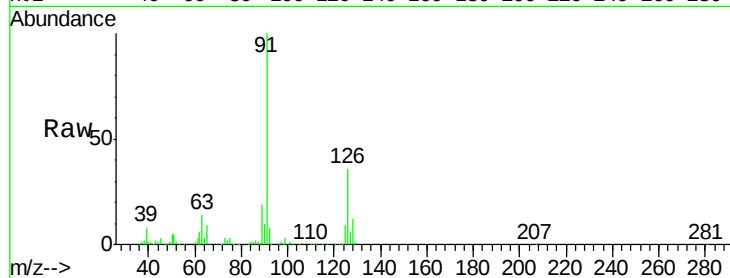
126 35.7 18.0 54.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD065614.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065614.D (-1862) (-)

600000

500000

400000

300000

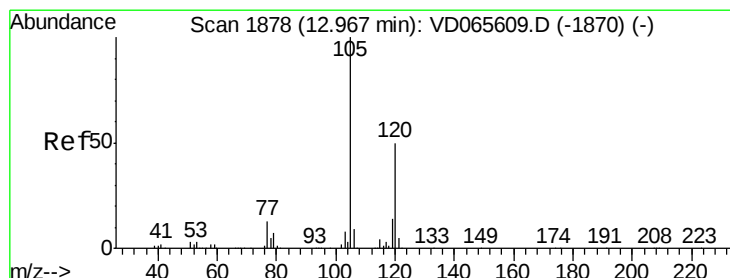
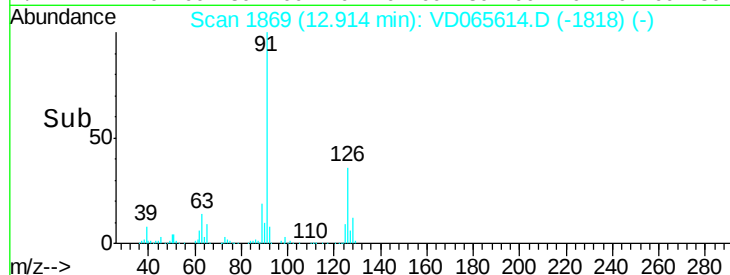
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.735 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065614.D

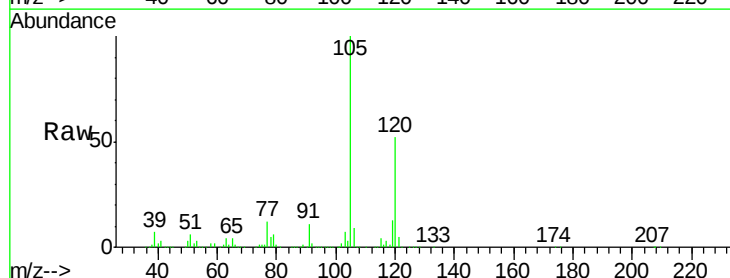
Acq: 13 Apr 2020 13:40

Tgt Ion: 105 Resp: 944770

Ion Ratio Lower Upper

105 100

120 51.2 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): VD065614.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065614.D (-1870) (-)

600000

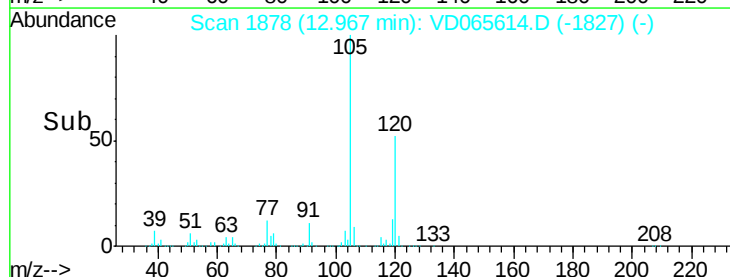
400000

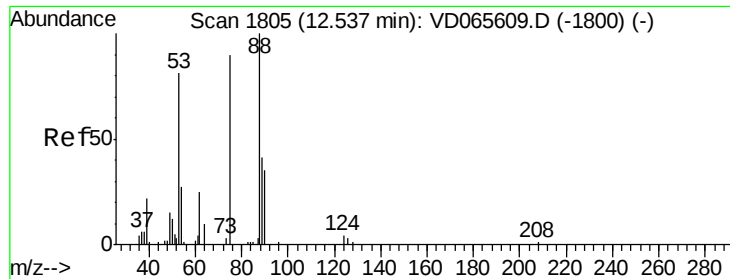
200000

0

12.90 13.00 13.10

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.467 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 59448

Ion Ratio Lower Upper

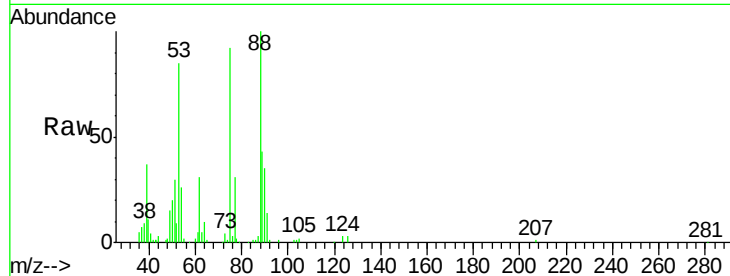
75 100

53 94.0 73.8 110.8

89 47.3 36.1 54.1

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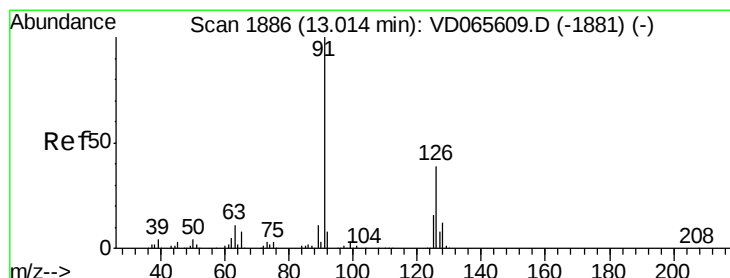
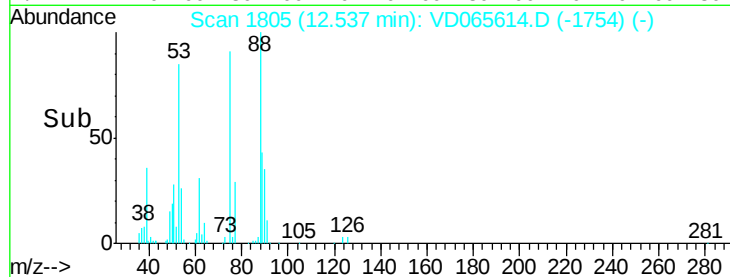
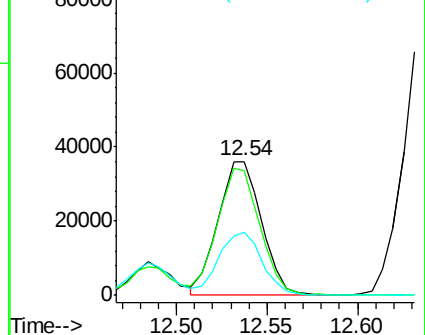
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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.745 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065614.D

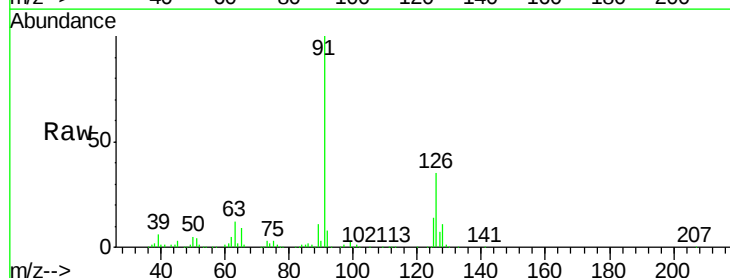
Acq: 13 Apr 2020 13:40

Tgt Ion: 91 Resp: 787185

Ion Ratio Lower Upper

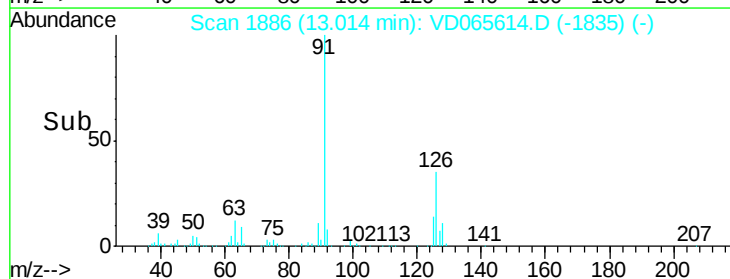
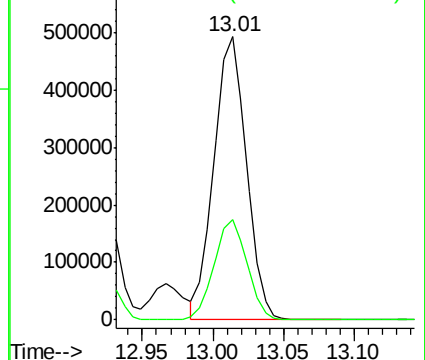
91 100

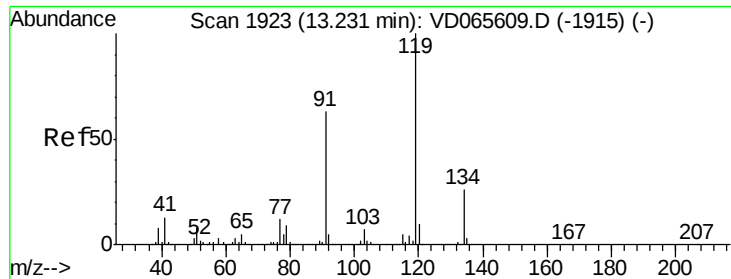
126 36.0 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC





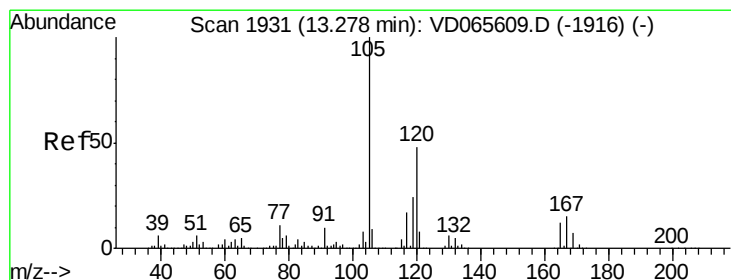
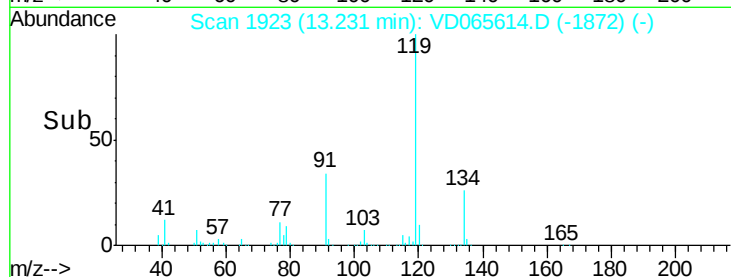
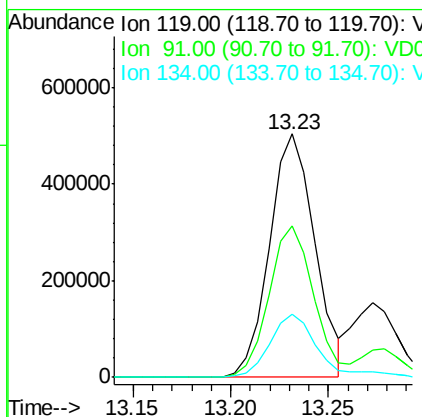
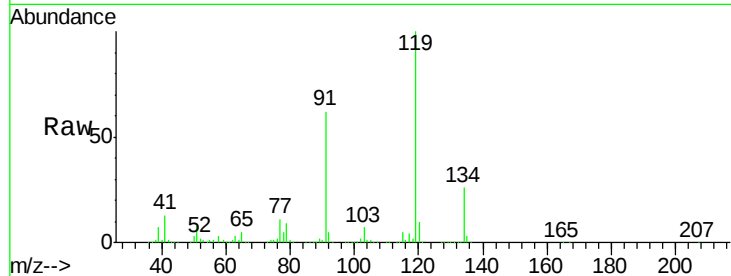
#83
tert-Butylbenzene
Concen: 54.153 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.4	91.2
134	27.6	13.7	41.0

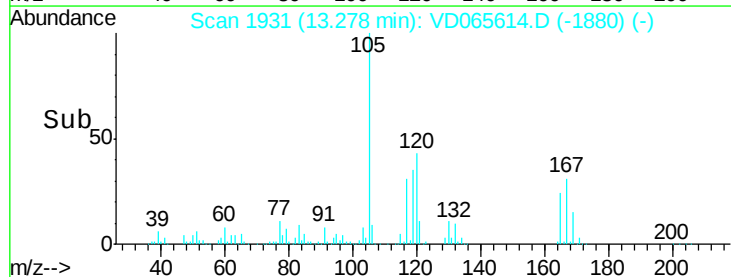
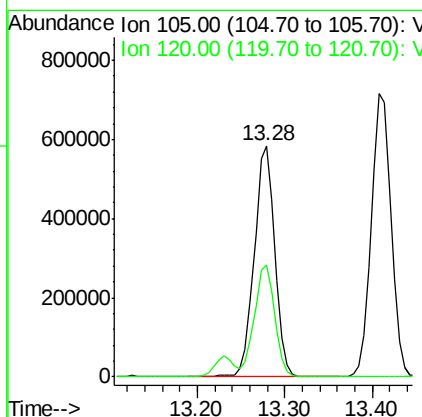
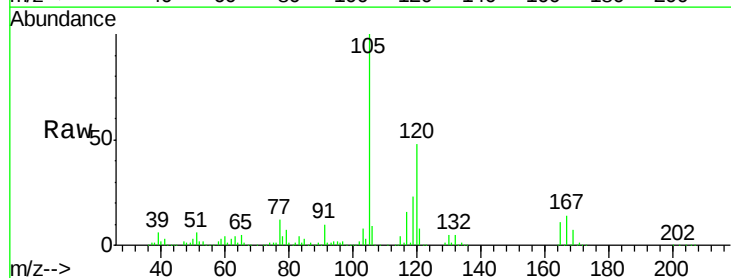
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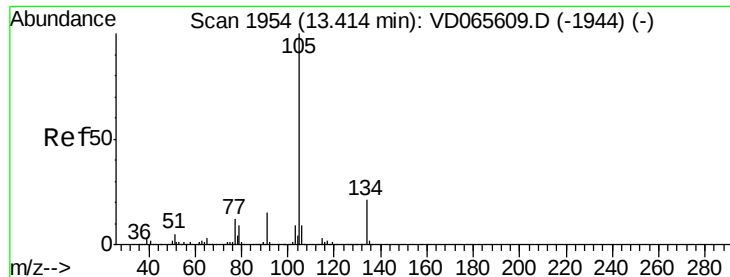
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#84
1,2,4-Trimethylbenzene
Concen: 52.194 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.5	70.6





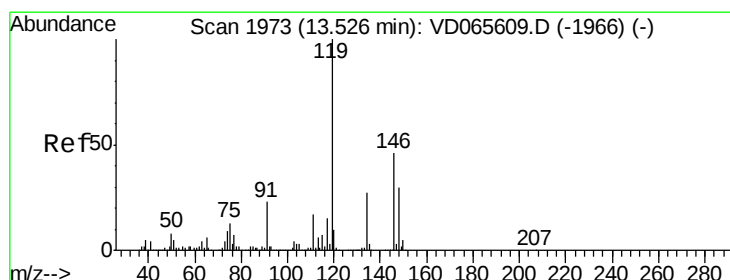
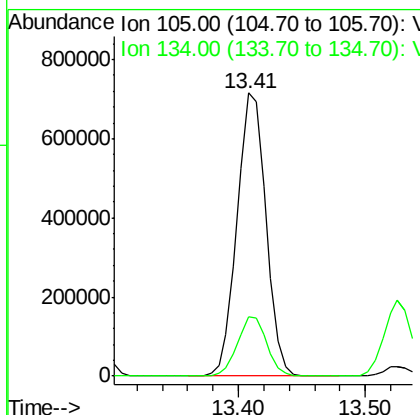
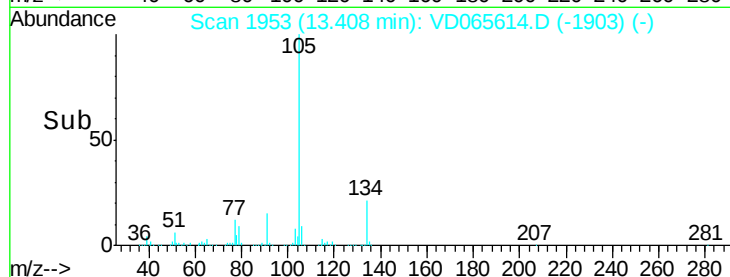
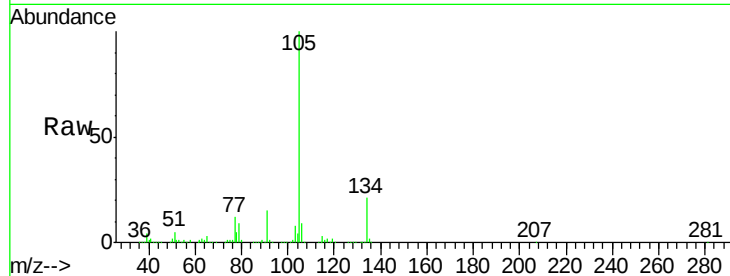
#85
 sec-Butylbenzene
 Concen: 53.049 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1130818
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.7 31.9

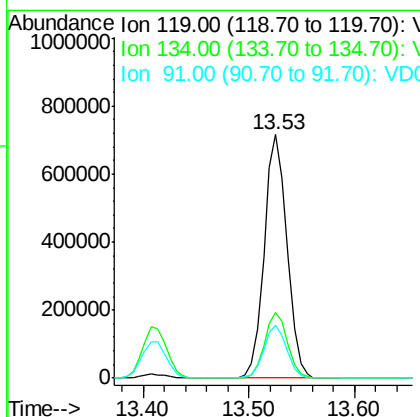
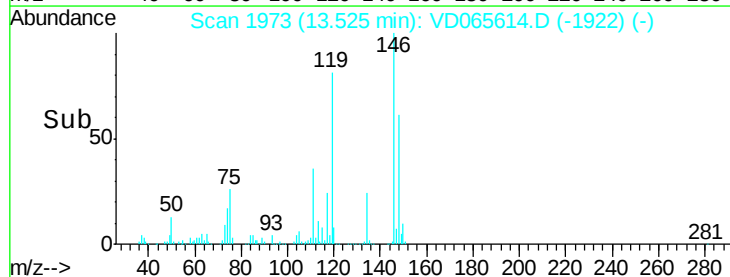
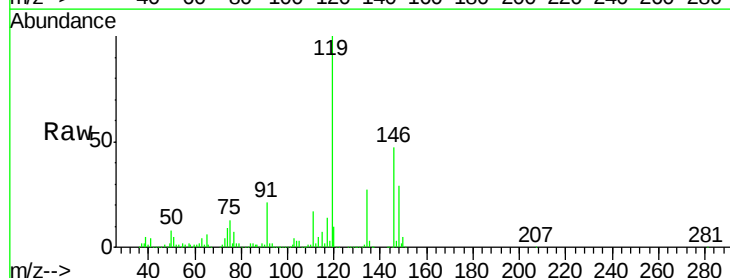
Manual Integrations
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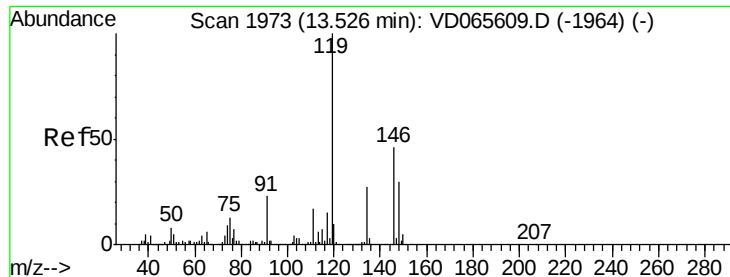
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#86
 p-Isopropyltoluene
 Concen: 54.357 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Tgt Ion:119 Resp: 1069272
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.4
 91 21.6 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 47.436 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Instrument :

MSVOA_D

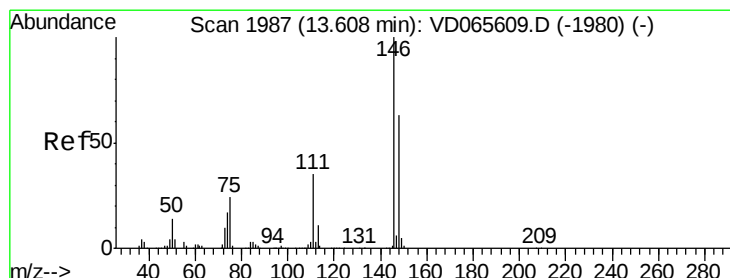
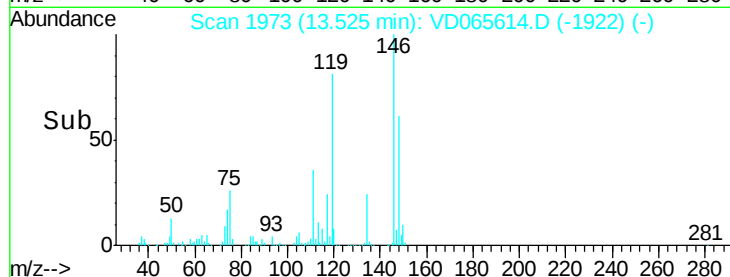
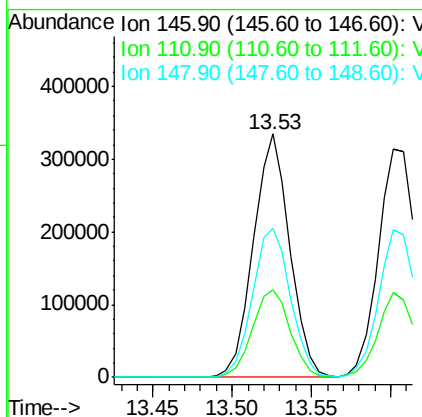
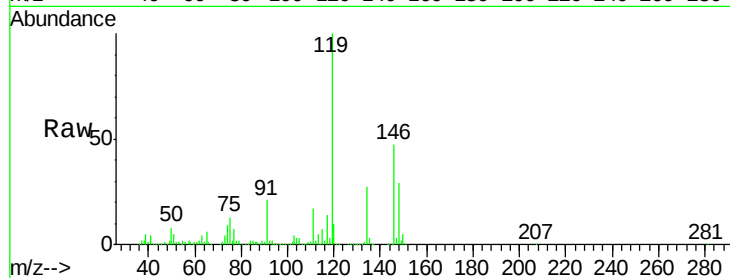
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	533068
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.6	55.8
148	63.8	32.1	96.5

Manual Integrations
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4/14/2020 10:02:26 AM



#88

1,4-Dichlorobenzene

Concen: 46.976 ug/l

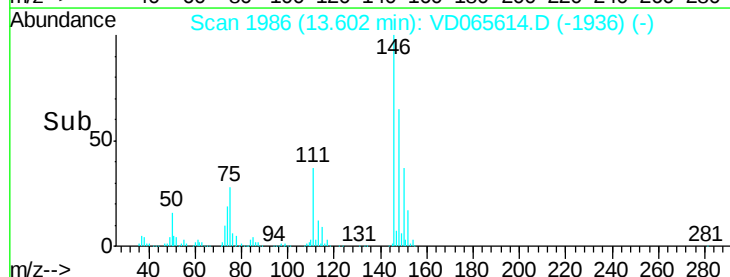
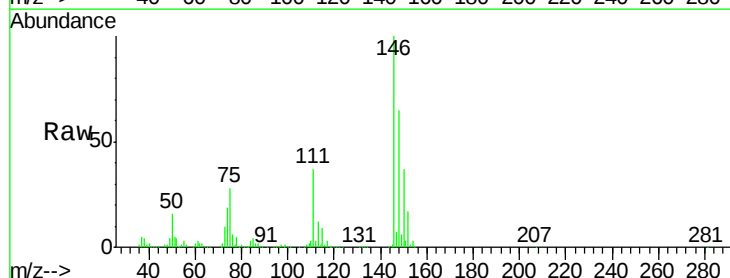
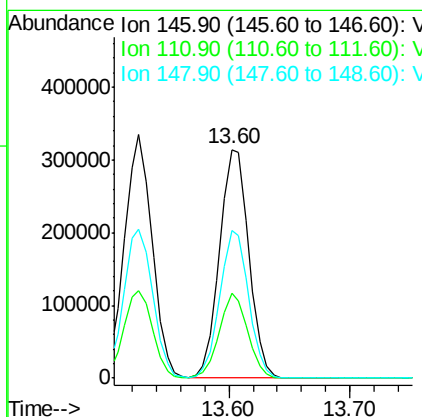
RT: 13.60 min Scan# 1986

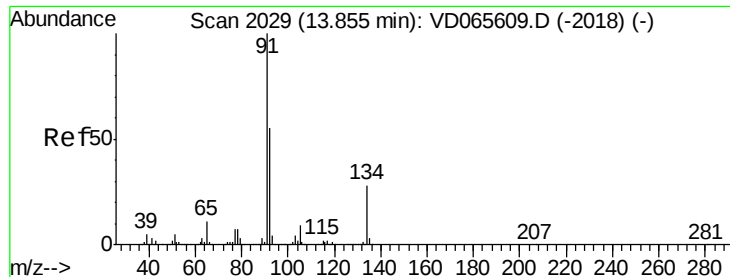
Delta R.T. -0.01 min

Lab File: VD065614.D

Acq: 13 Apr 2020 13:40

Tgt Ion:	146	Resp:	527267
Ion Ratio	Lower	Upper	
146	100		
111	35.9	18.0	54.0
148	63.6	31.8	95.4





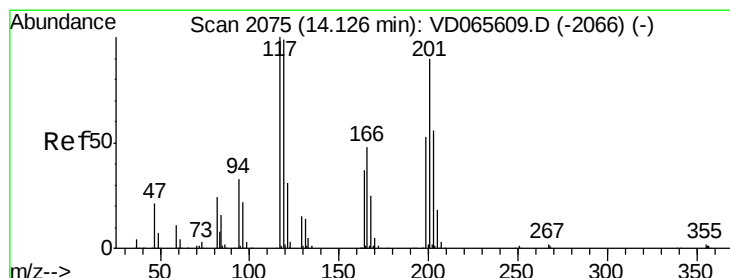
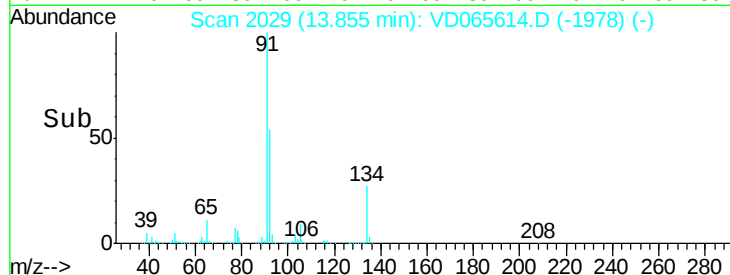
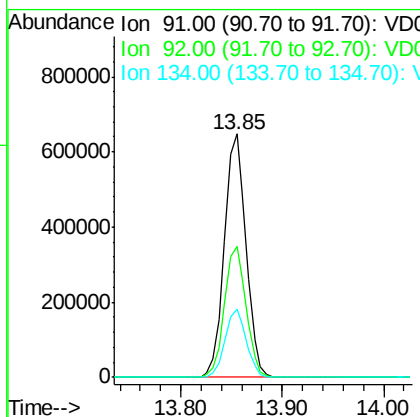
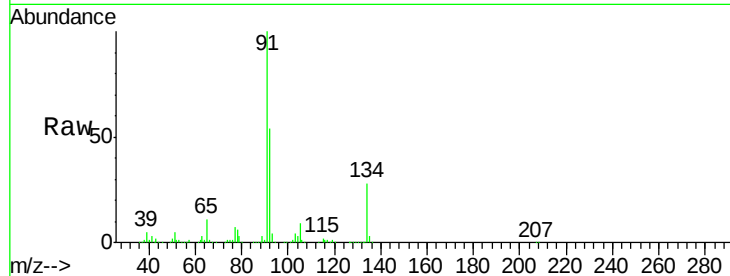
#89
n-Butylbenzene
Concen: 53.876 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.2	81.6
134	27.6	13.9	41.7

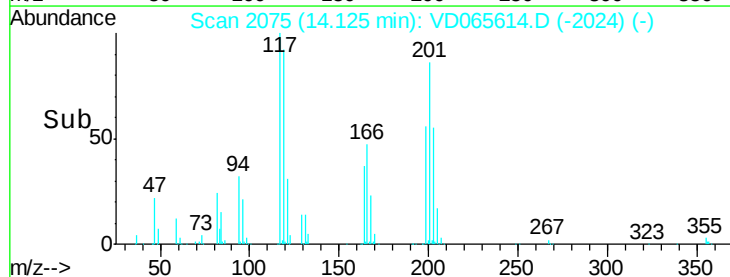
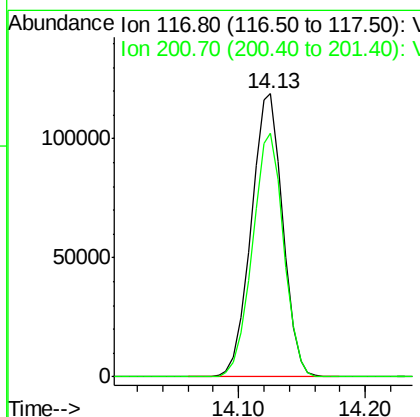
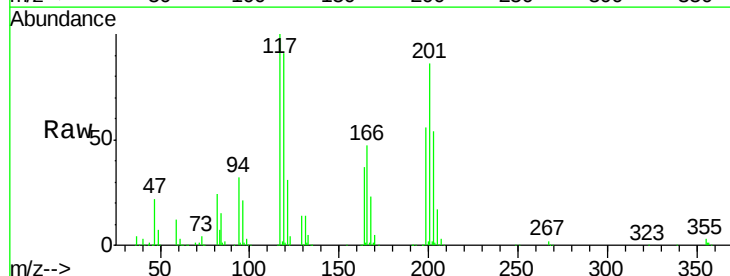
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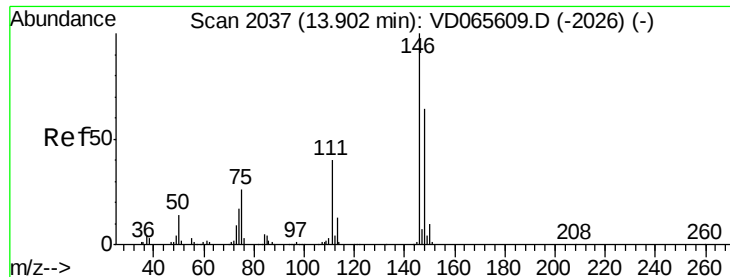
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#90
Hexachloroethane
Concen: 48.002 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	43.9	131.7





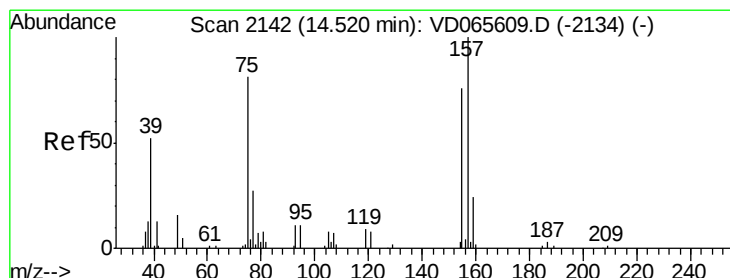
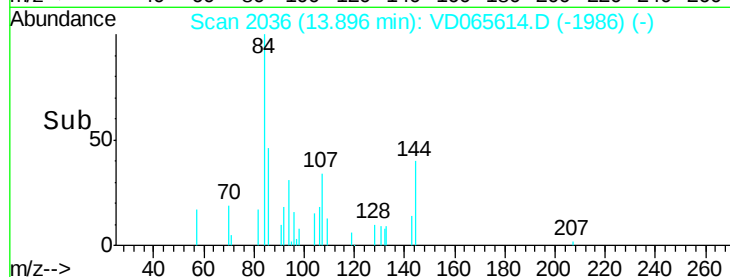
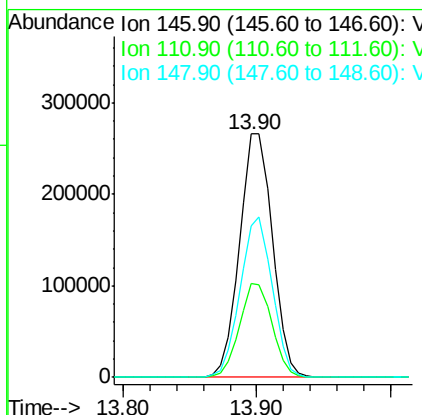
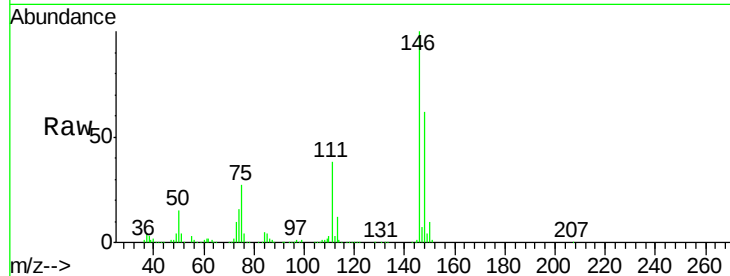
#91
 1,2-Dichlorobenzene
 Concen: 47.509 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	64.0	31.8	95.4

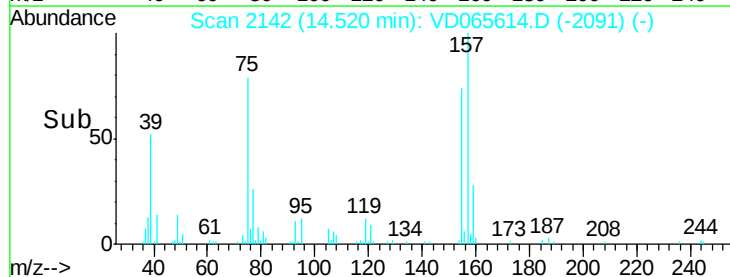
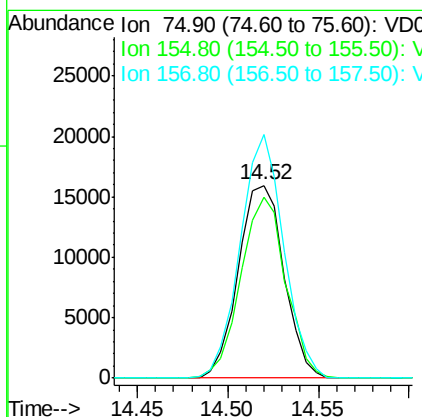
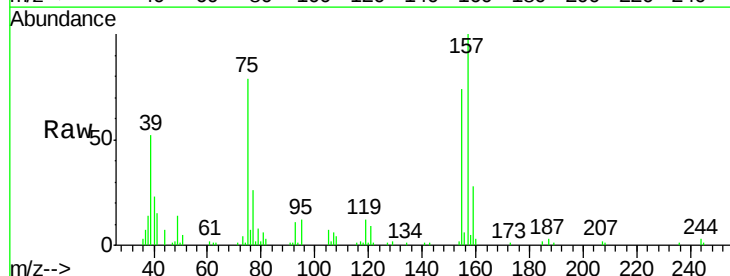
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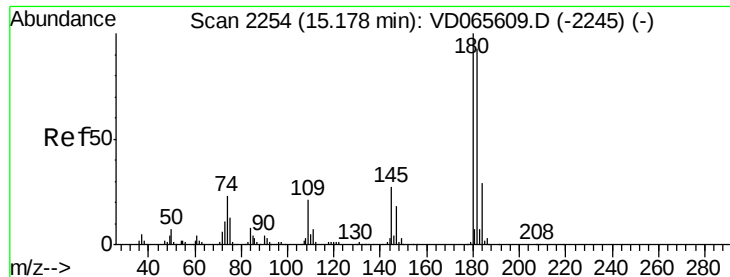
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.365 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	46.8	140.4
157	120.2	59.6	178.7





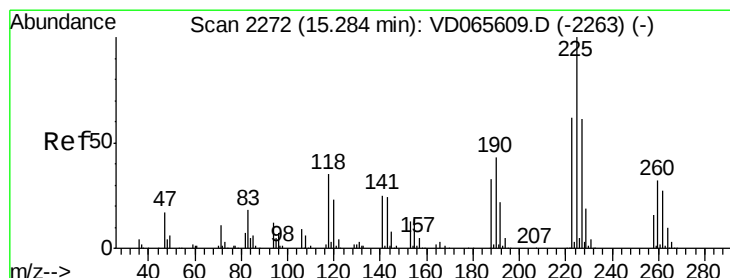
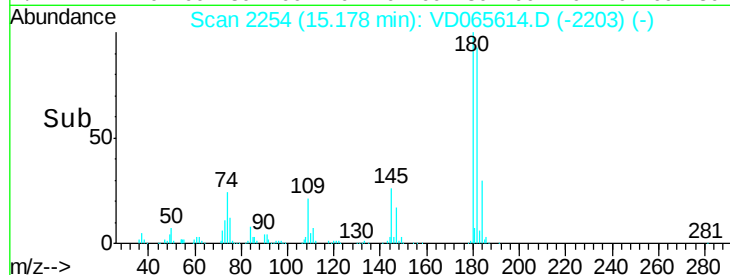
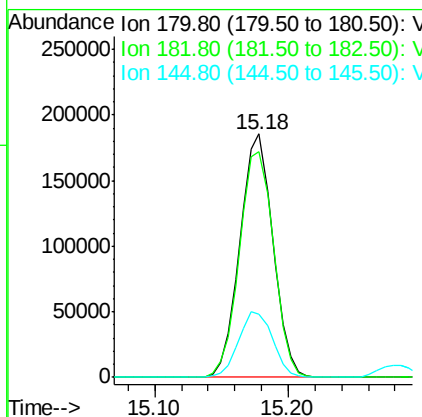
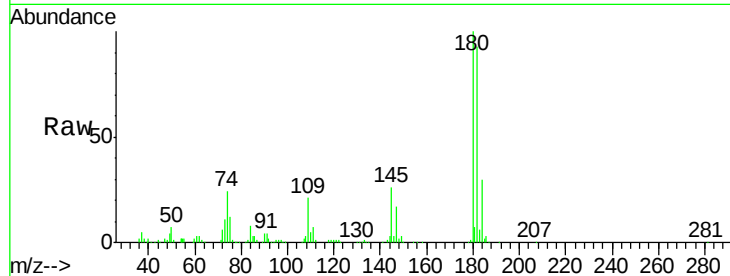
#93
 1,2,4-Trichlorobenzene
 Concen: 50.625 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	317912		
182	96.3	47.0	141.2	
145	27.9	14.0	41.9	

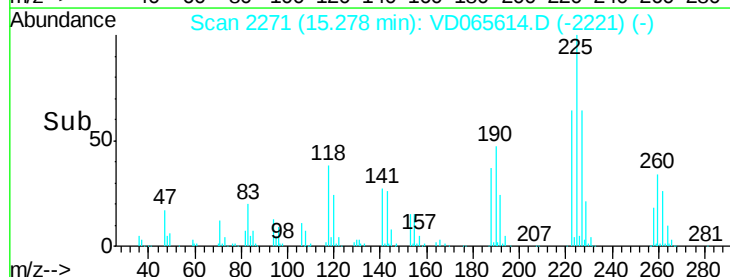
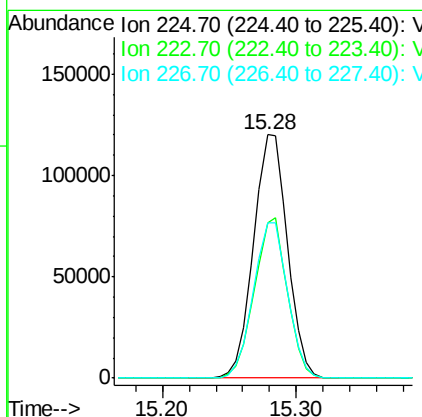
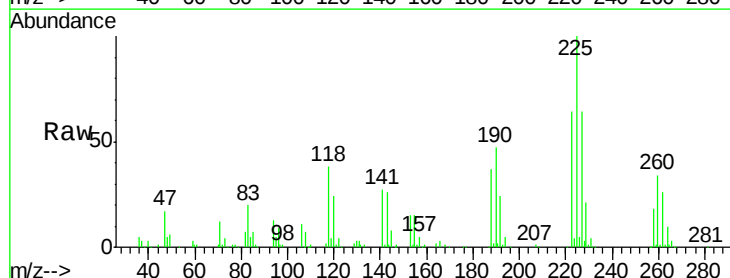
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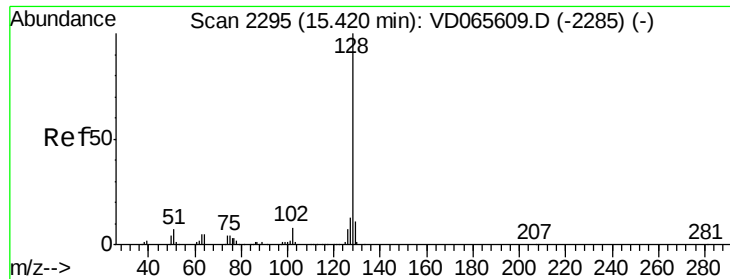
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#94
 Hexachlorobutadiene
 Concen: 48.227 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065614.D
 Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	210509		
223	63.8	31.6	94.7	
227	64.4	31.6	95.0	





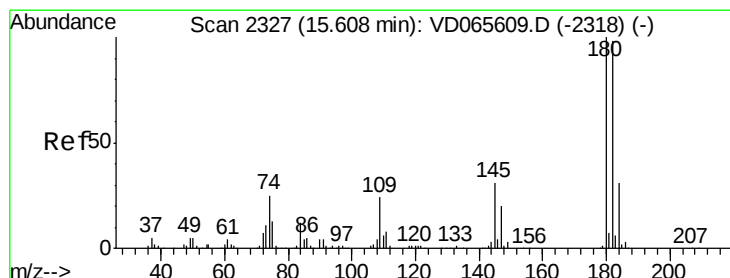
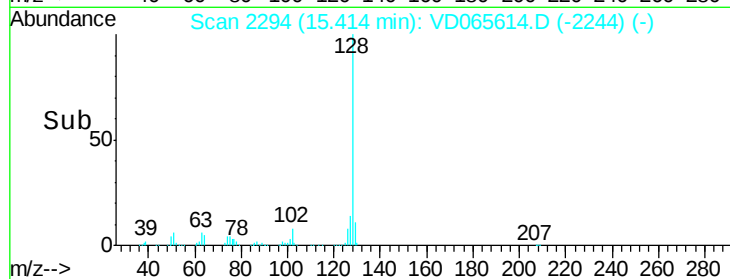
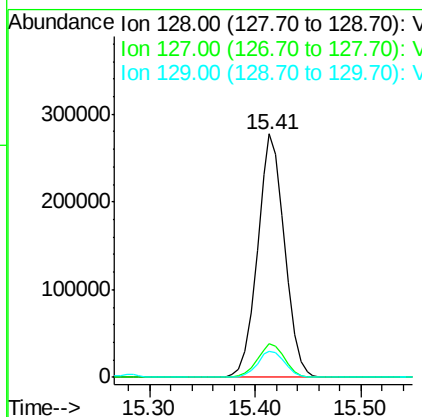
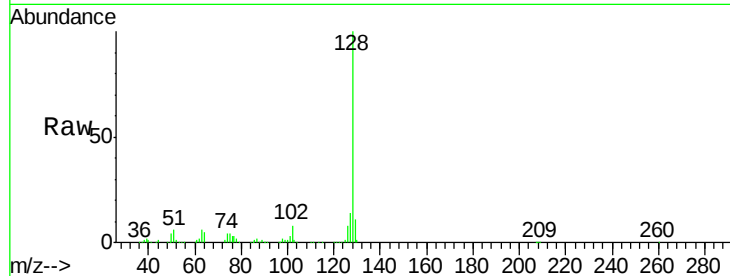
#95
Naphthalene
Concen: 45.832 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.01 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	11.0	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.373 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065614.D
Acq: 13 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.7	143.1
145	30.1	15.2	45.6

