

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040920\
 Data File : VD065609.D
 Acq On : 09 Apr 2020 12:03
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/10/2020 2:58:45 PM

Quant Time: Apr 10 01:26:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:11:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	468978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	642750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	600669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	211584	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
35) Dibromofluoromethane	7.92	113	226175	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
50) Toluene-d8	10.34	98	856749	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.64	95	276299	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	217486	51.428	ug/l	100
3) Chloromethane	2.21	50	250484	47.630	ug/l	100
4) Vinyl Chloride	2.35	62	249613	50.767	ug/l	100
5) Bromomethane	2.77	94	160122	46.176	ug/l	100
6) Chloroethane	2.93	64	148523	49.050	ug/l	100
7) Trichlorofluoromethane	3.27	101	362590	48.620	ug/l	100
8) Diethyl Ether	3.70	74	82432	53.499	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	240483	49.329	ug/l	100
10) Methyl Iodide	4.30	142	278569	58.067	ug/l	100
11) Tert butyl alcohol	5.25	59	55388	245.172	ug/l	100
12) 1,1-Dichloroethene	4.06	96	222086	49.392	ug/l	100
13) Acrolein	3.93	56	71742	230.825	ug/l	100
14) Allyl chloride	4.71	41	342887	51.409	ug/l	100
15) Acrylonitrile	5.43	53	224439	247.007	ug/l	100
16) Acetone	4.16	43	190680	238.076	ug/l	100
17) Carbon Disulfide	4.40	76	747415	49.958	ug/l	100
18) Methyl Acetate	4.72	43	112024	47.652	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	462369	53.192	ug/l	100
20) Methylene Chloride	4.96	84	240581	45.441	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	262930	51.523	ug/l	100
22) Diisopropyl ether	6.37	45	691283	53.920	ug/l	100
23) Vinyl Acetate	6.31	43	1868954	283.701	ug/l	100
24) 1,1-Dichloroethane	6.27	63	424502	49.770	ug/l	100
25) 2-Butanone	7.22	43	273703	249.670	ug/l	100
26) 2,2-Dichloropropane	7.21	77	373759	48.966	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	270106	51.717	ug/l	100
28) Bromochloromethane	7.55	49	165927	48.469	ug/l	100
29) Tetrahydrofuran	7.57	42	176409	256.077	ug/l	100
30) Chloroform	7.71	83	439751	49.239	ug/l	100
31) Cyclohexane	7.98	56	386213	48.812	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	400290	49.595	ug/l	100
36) 1,1-Dichloropropene	8.11	75	348566	52.675	ug/l	100
37) Ethyl Acetate	7.30	43	127090	51.726	ug/l	100
38) Carbon Tetrachloride	8.10	117	369686	51.450	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	420447	56.127	ug/l	100
40) Benzene	8.36	78	990012	52.364	ug/l	100
41) Methacrylonitrile	7.54	41	72102m	50.203	ug/l	
42) 1,2-Dichloroethane	8.43	62	266464	50.458	ug/l	100
43) Isopropyl Acetate	8.46	43	237946	53.081	ug/l	100
44) Trichloroethene	9.12	130	280965	51.706	ug/l	100
45) 1,2-Dichloropropane	9.39	63	239815	52.091	ug/l	100
46) Dibromomethane	9.48	93	124987	50.508	ug/l	100
47) Bromodichloromethane	9.67	83	334818	51.596	ug/l	100
48) Methyl methacrylate	9.46	41	112237	53.984	ug/l	100
49) 1,4-Dioxane	9.47	88	27106	1034.282	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	615372	266.381	ug/l	100
52) Toluene	10.41	92	639839	53.524	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	308817	53.617	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	375365	53.227	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	173710	50.023	ug/l	100
56) Ethyl methacrylate	10.67	69	200429	57.227	ug/l	100
57) 1,3-Dichloropropane	10.96	76	294598	51.218	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	503572	273.790	ug/l	100
59) 2-Hexanone	10.99	43	420257	273.735	ug/l	100
60) Dibromochloromethane	11.14	129	236594	51.157	ug/l	100
61) 1,2-Dibromoethane	11.25	107	167184	50.647	ug/l	100
64) Tetrachloroethene	10.88	164	245967	51.481	ug/l	100
65) Chlorobenzene	11.68	112	673773	51.794	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	258006	52.063	ug/l	100
67) Ethyl Benzene	11.75	91	1186444	55.232	ug/l	100
68) m/p-Xylenes	11.86	106	944114	111.401	ug/l	100
69) o-Xylene	12.19	106	412382	56.469	ug/l	100
70) Styrene	12.20	104	742775	57.530	ug/l	100
71) Bromoform	12.37	173	139423	50.165	ug/l	# 100
73) Isopropylbenzene	12.48	105	1119578	56.463	ug/l	100
74) N-amyl acetate	12.30	43	215740	54.939	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	182194	49.985	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	128261m	30.676	ug/l	
77) Bromobenzene	12.77	156	285232	52.470	ug/l	100
78) n-propylbenzene	12.83	91	1341736	56.068	ug/l	100
79) 2-Chlorotoluene	12.91	91	745621	54.366	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	936362	56.029	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	59859	55.553	ug/l	100
82) 4-Chlorotoluene	13.01	91	788587	53.421	ug/l	100
83) tert-Butylbenzene	13.23	119	811220	58.050	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	942271	56.737	ug/l	100
85) sec-Butylbenzene	13.41	105	1109000	55.771	ug/l	100
86) p-Isopropyltoluene	13.53	119	1045656	56.983	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	535632	51.096	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	531860	50.796	ug/l	100
89) n-Butylbenzene	13.85	91	930630	56.196	ug/l	100
90) Hexachloroethane	14.13	117	204170	51.004	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	460592	51.646	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26951	47.935	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	313602	53.534	ug/l	100
94) Hexachlorobutadiene	15.28	225	208654	51.243	ug/l	100
95) Naphthalene	15.42	128	479020	56.436	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	271842	53.610	ug/l	100

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

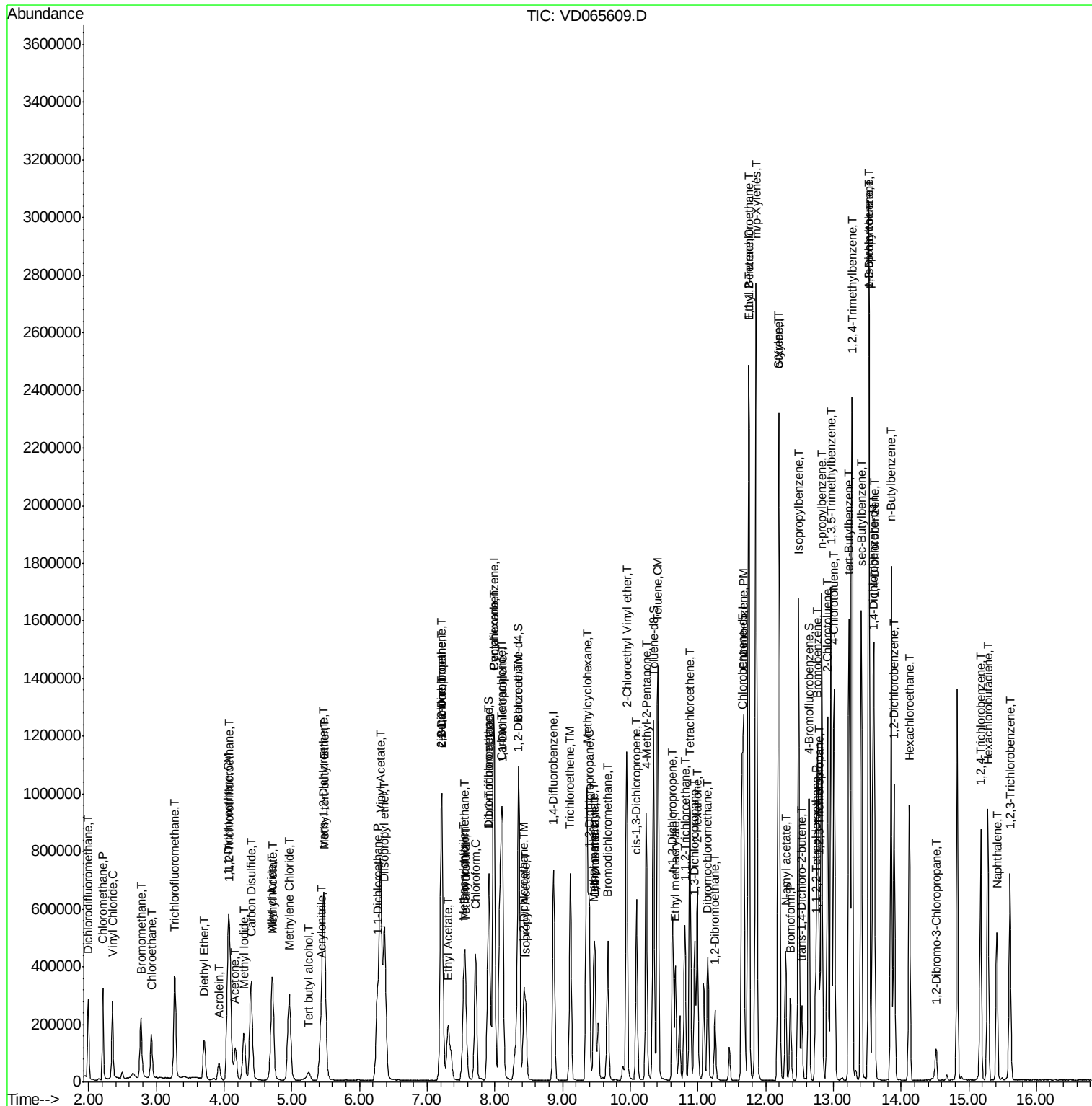
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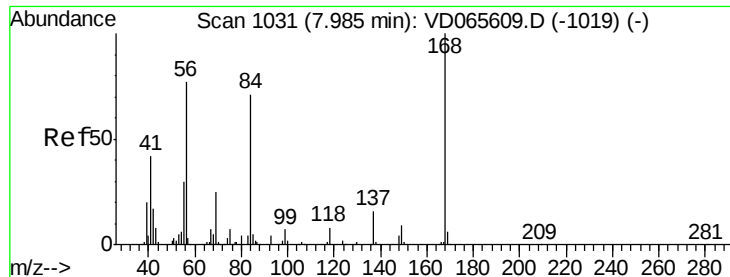
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 468978

Ion Ratio Lower Upper

168 100

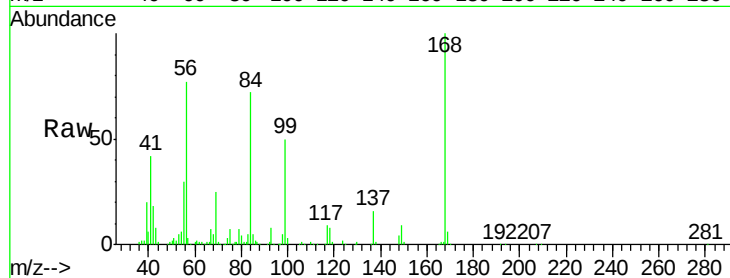
99 50.2 40.2 60.2

Manual Integrations

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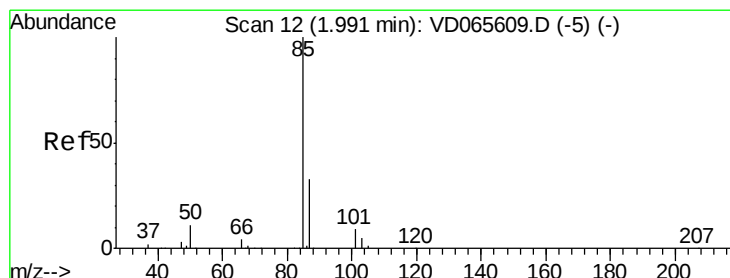
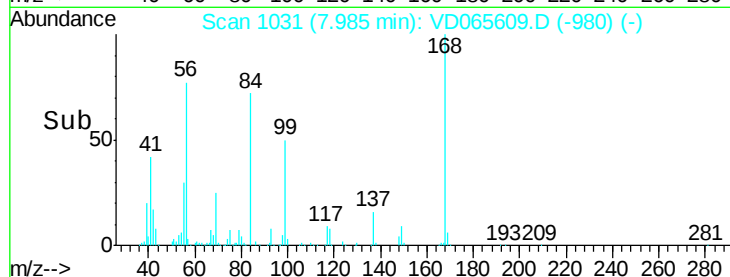
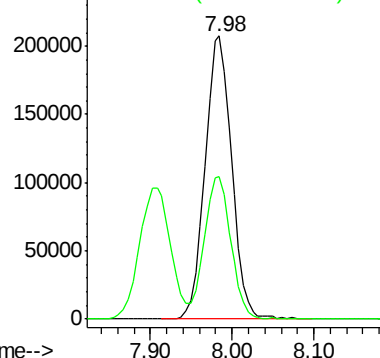
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 51.428 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065609.D

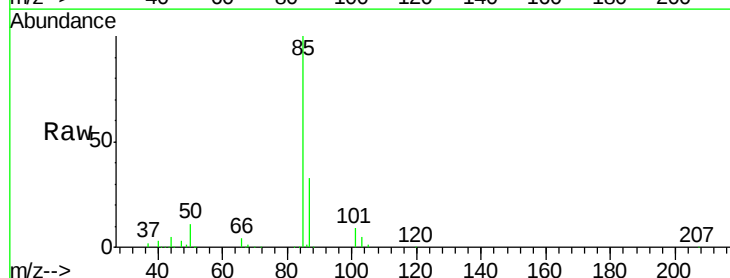
Acq: 09 Apr 2020 12:03

Tgt Ion: 85 Resp: 217486

Ion Ratio Lower Upper

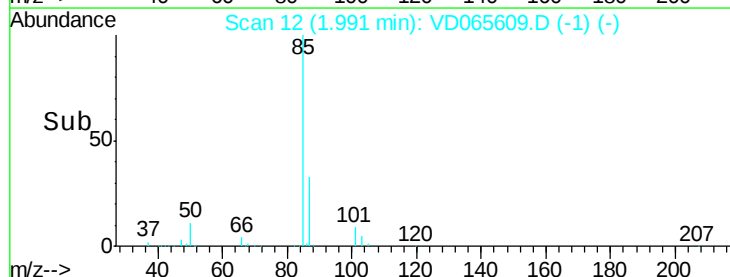
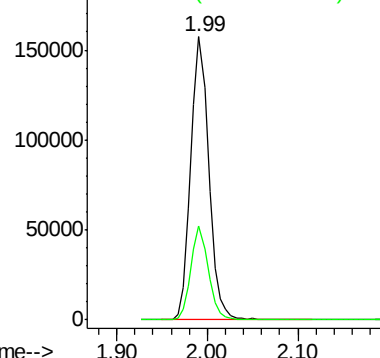
85 100

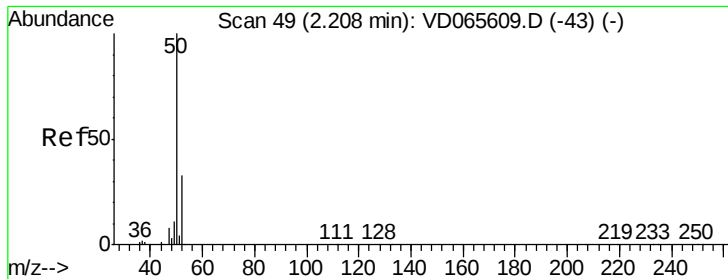
87 33.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.630 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 250484

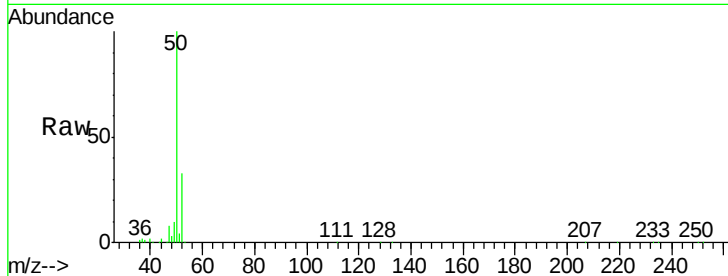
Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4

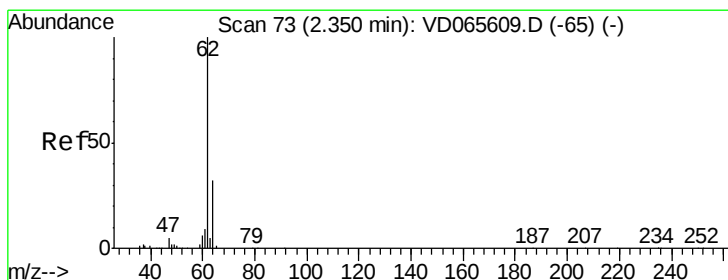
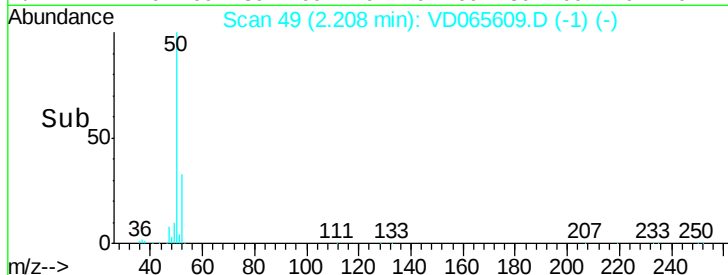
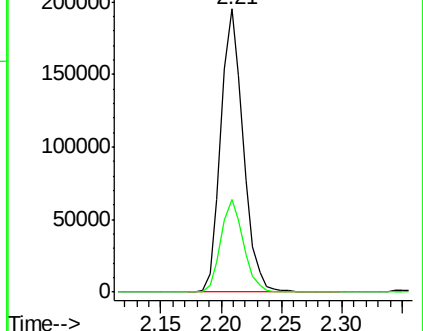
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.767 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065609.D

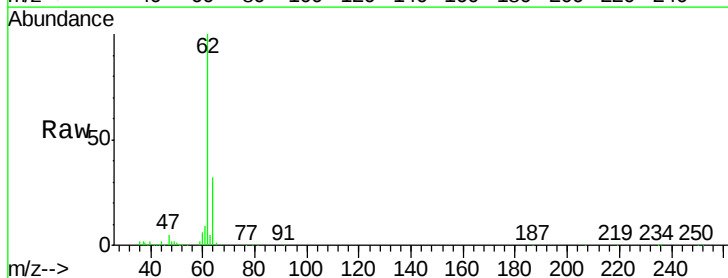
Acq: 09 Apr 2020 12:03

Tgt Ion: 62 Resp: 249613

Ion Ratio Lower Upper

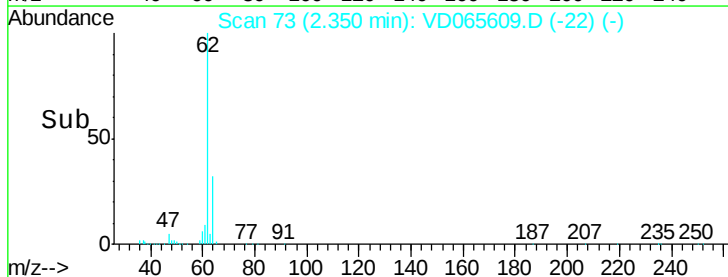
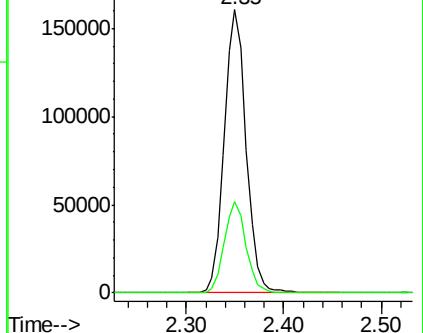
62 100

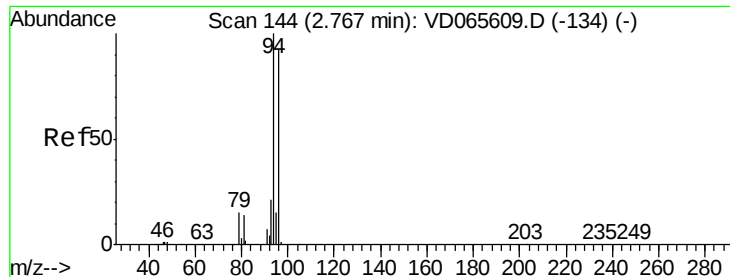
64 32.2 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.176 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 160122

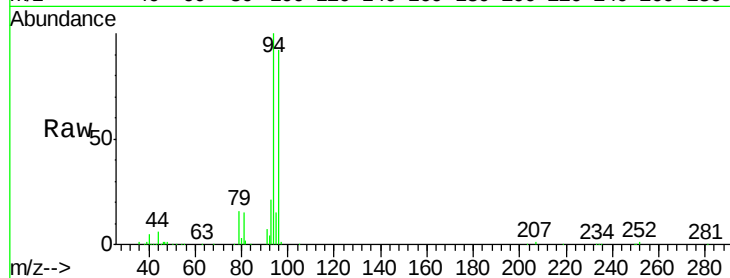
Ion Ratio Lower Upper

94 100

96 91.6 73.3 109.9

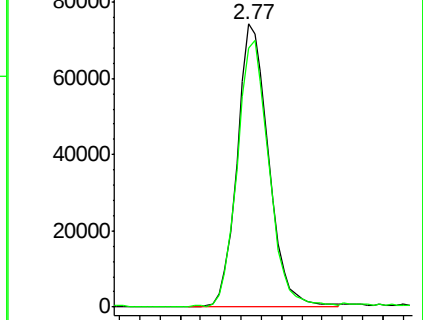
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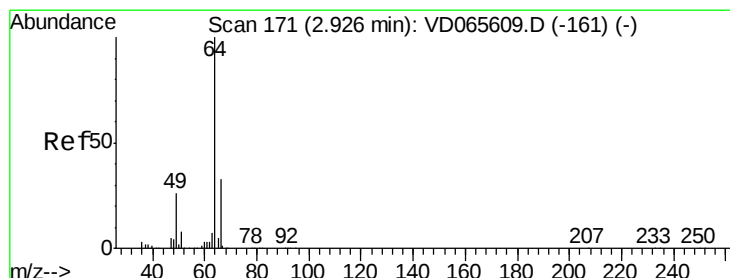
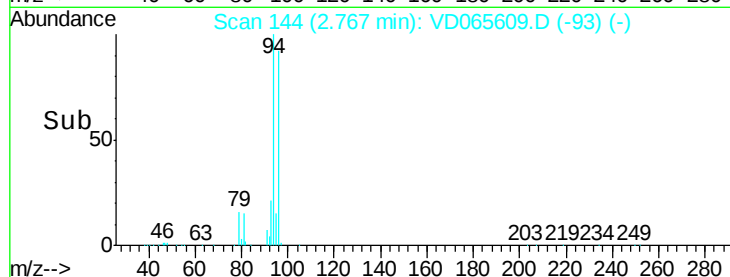


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 49.050 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065609.D

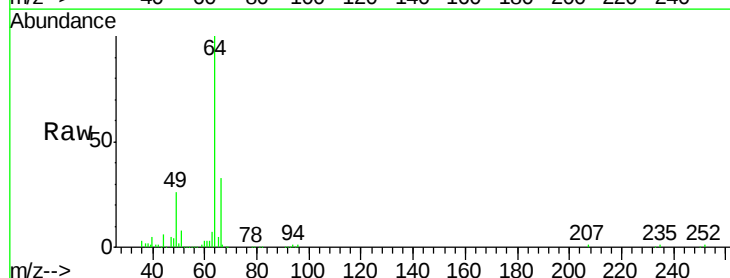
Acq: 09 Apr 2020 12:03

Tgt Ion: 64 Resp: 148523

Ion Ratio Lower Upper

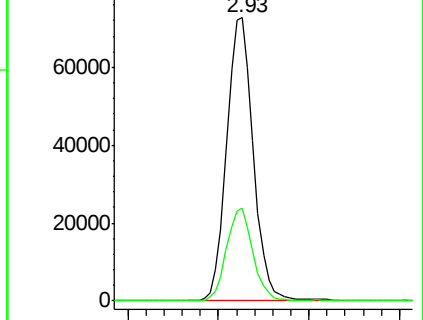
64 100

66 32.6 26.1 39.1

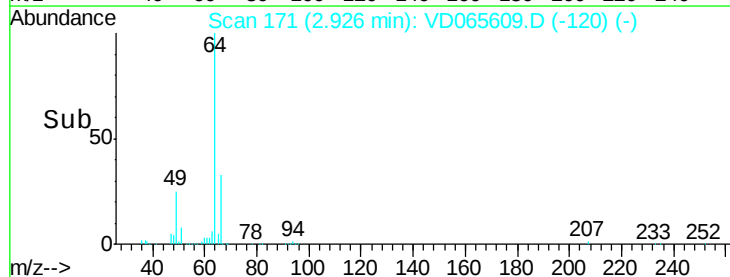


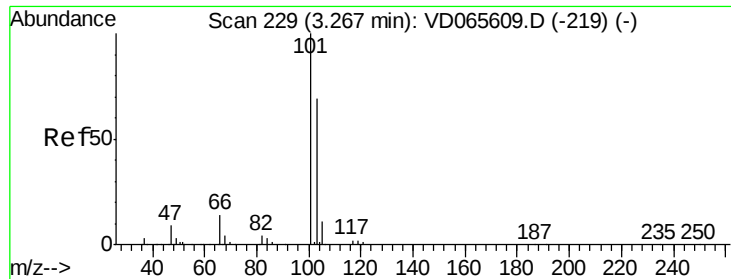
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

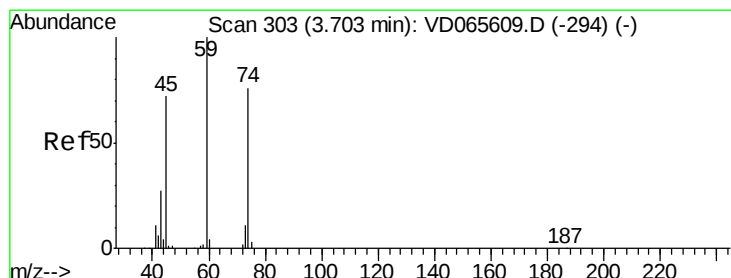
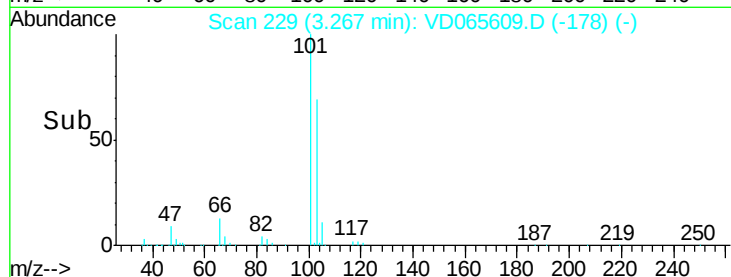
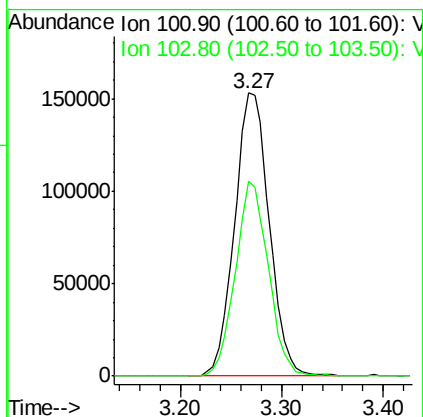
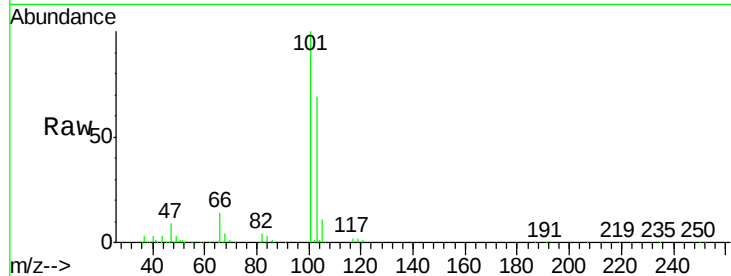
Trichlorofluoromethane
 Concen: 48.620 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD065609.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.7	55.0	82.4

Manual Integrations
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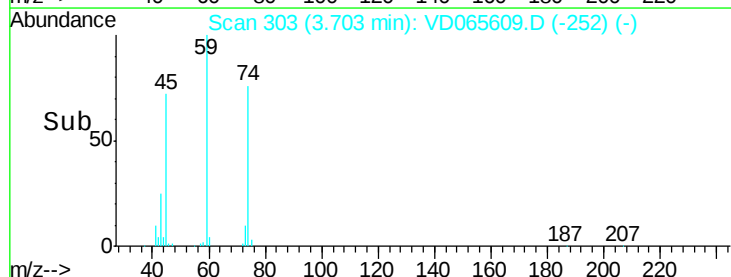
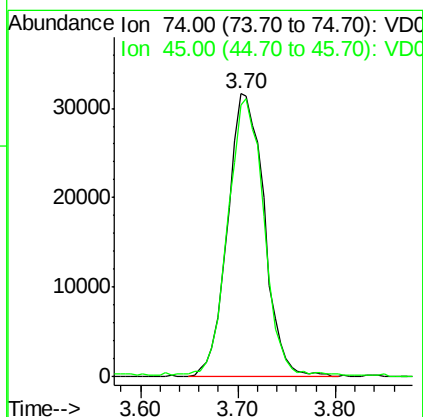
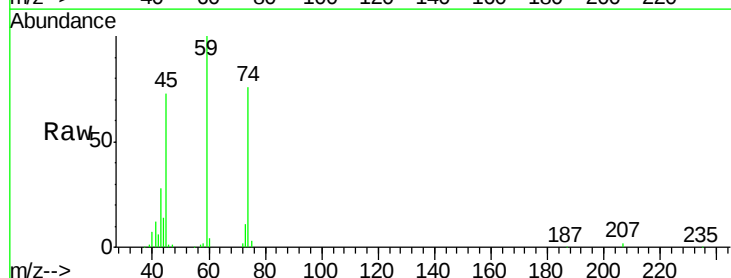
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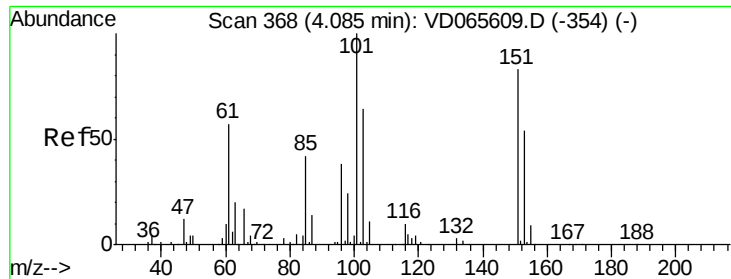


#8

Diethyl Ether
 Concen: 53.499 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	47.8	143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.329 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

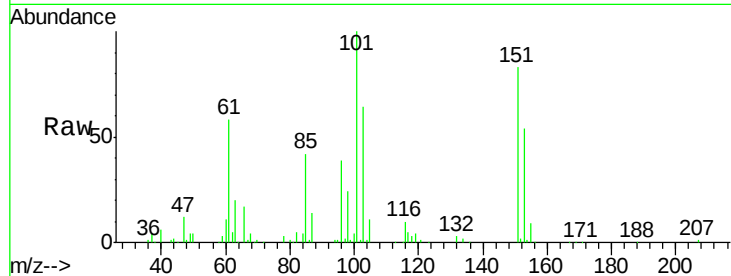
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	240483
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.8	50.6
151	81.2	65.0	97.4

Manual Integrations
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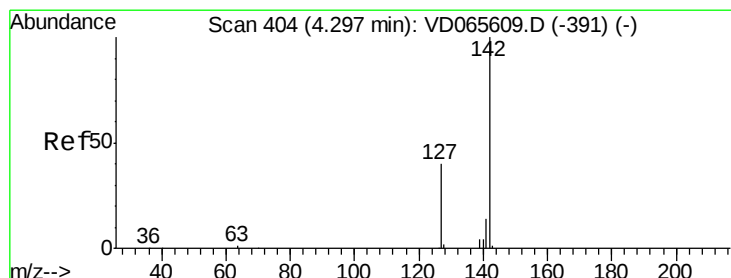
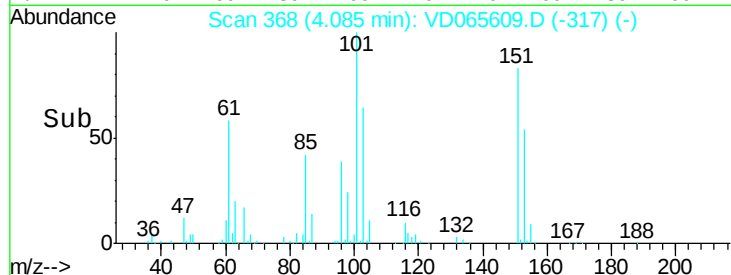
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

Time-->

4.08



#10

Methyl Iodide

Concen: 58.067 ug/l

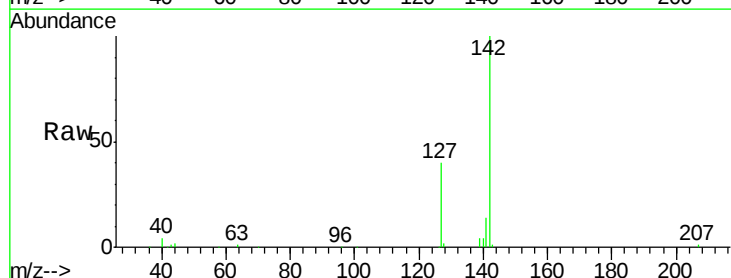
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Tgt Ion:	142	Resp:	278569
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.6	51.8
141	14.6	11.7	17.5



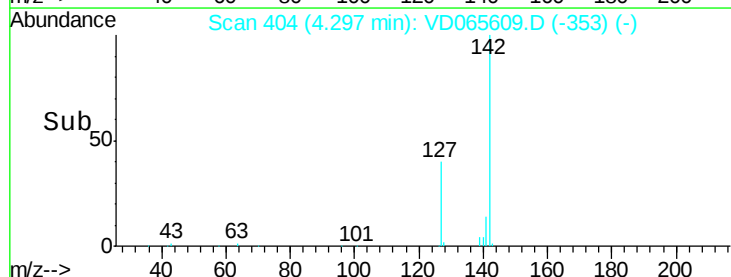
Abundance Ion 141.80 (141.50 to 142.50): V

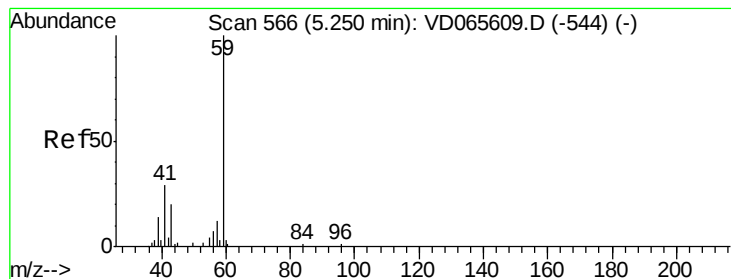
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

Time-->

4.30





#11

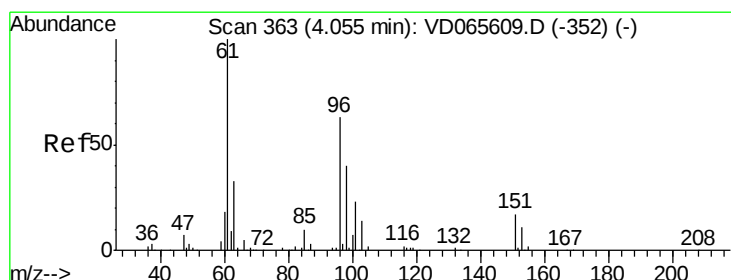
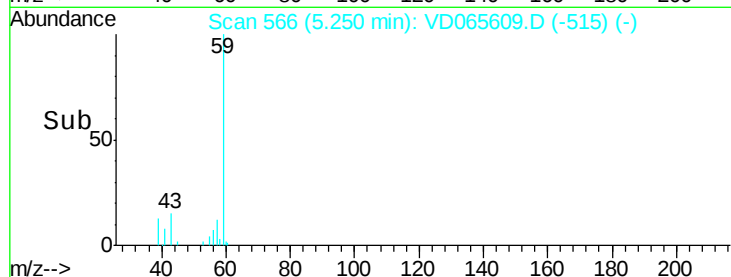
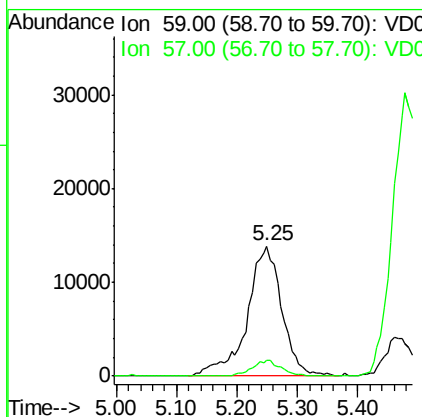
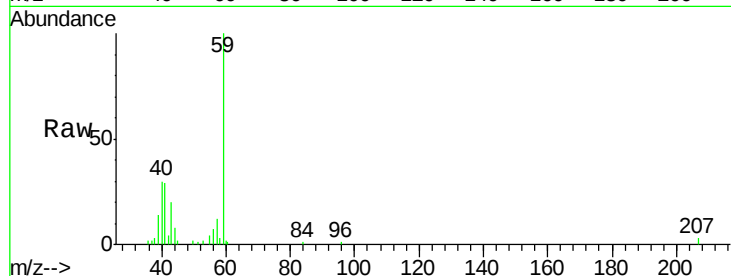
Tert butyl alcohol
 Concen: 245.172 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

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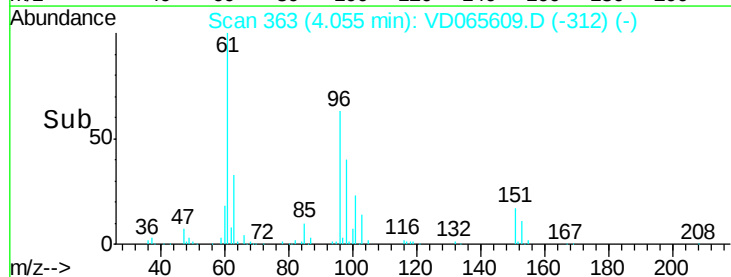
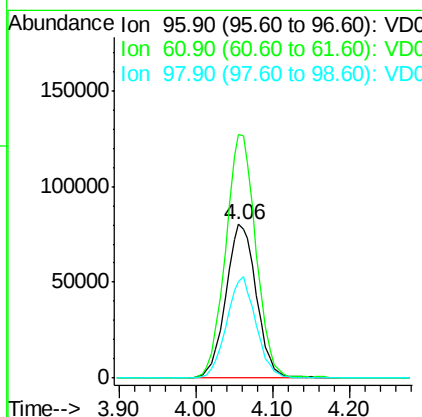
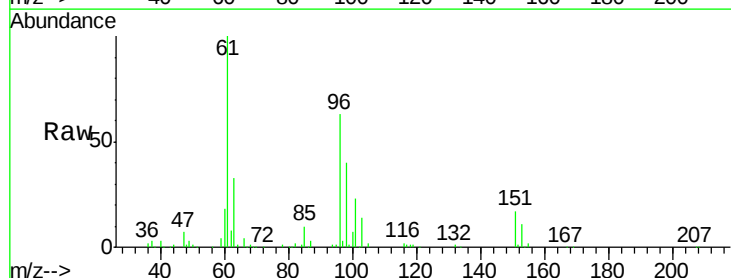
MMDadoda
 4/10/2020 2:58:45 PM

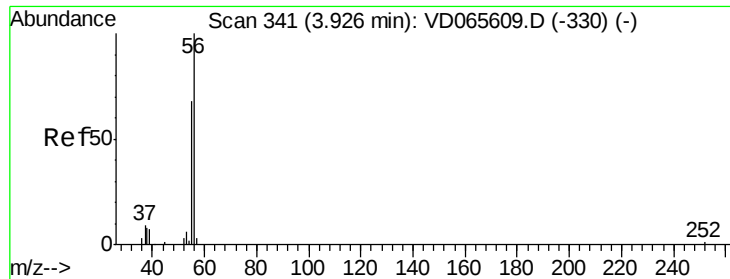


#12

1,1-Dichloroethene
 Concen: 49.392 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	126.6	190.0
98	62.8	50.2	75.4





#13

Acrolein

Concen: 230.825 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 71742

Ion Ratio Lower Upper

56 100

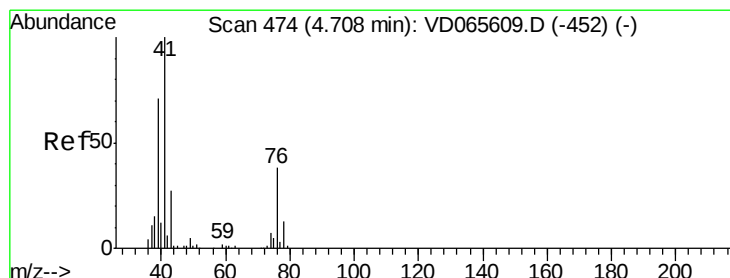
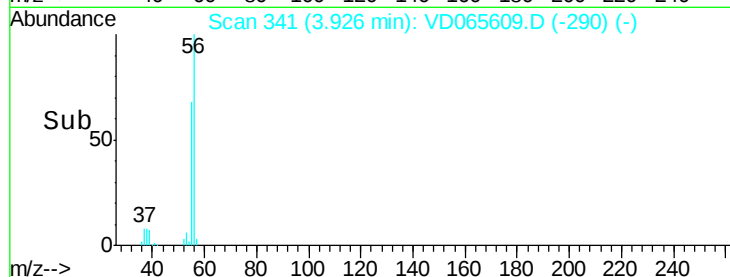
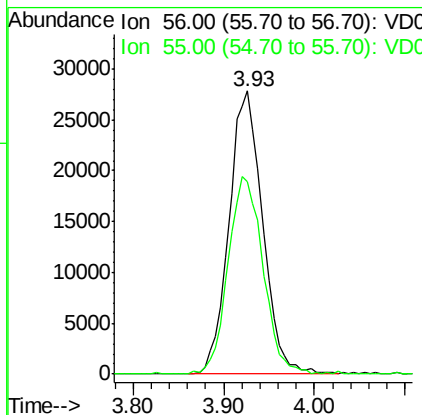
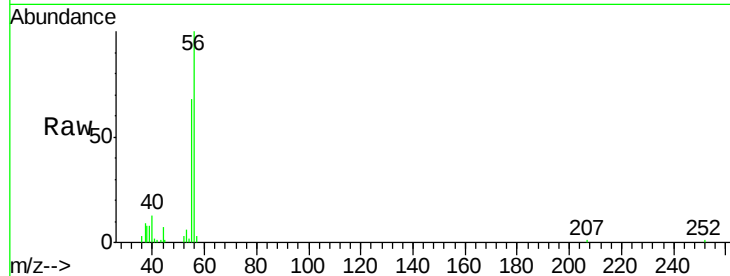
55 72.4 57.9 86.9

Manual Integrations

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#14

Allyl chloride

Concen: 51.409 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

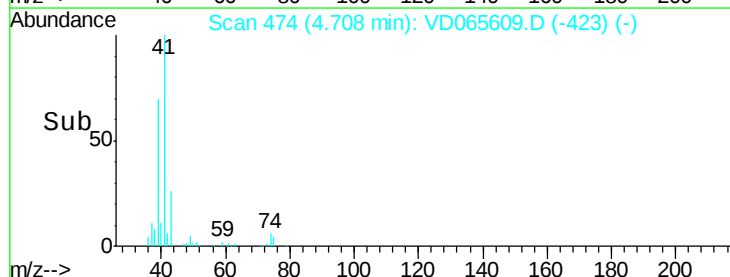
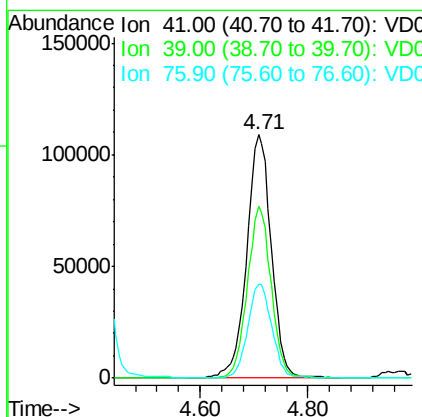
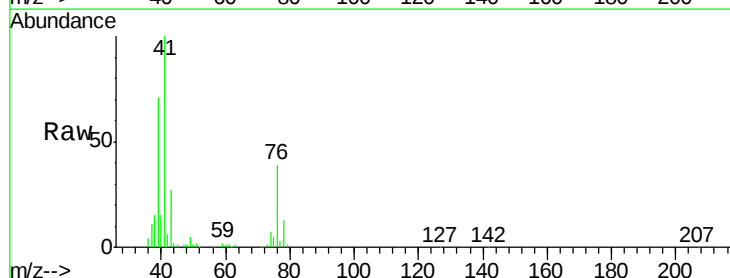
Tgt Ion: 41 Resp: 342887

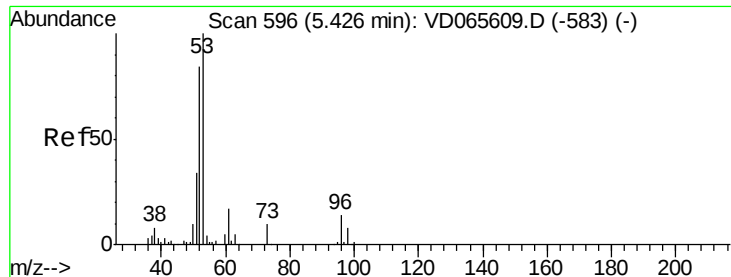
Ion Ratio Lower Upper

41 100

39 67.7 54.2 81.2

76 37.1 29.7 44.5





#15

Acrylonitrile

Concen: 247.007 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

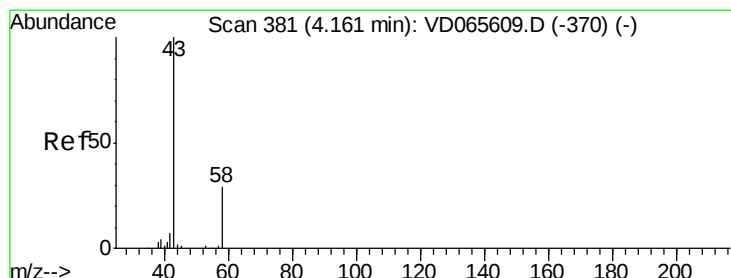
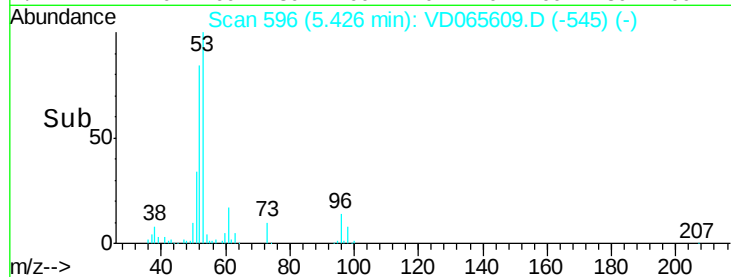
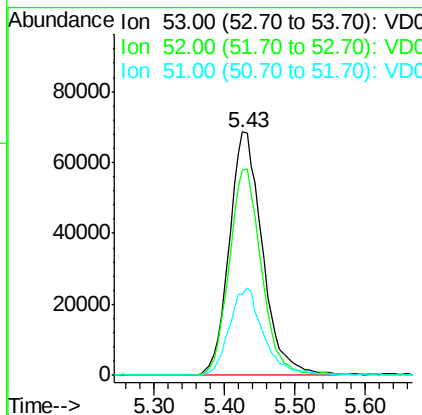
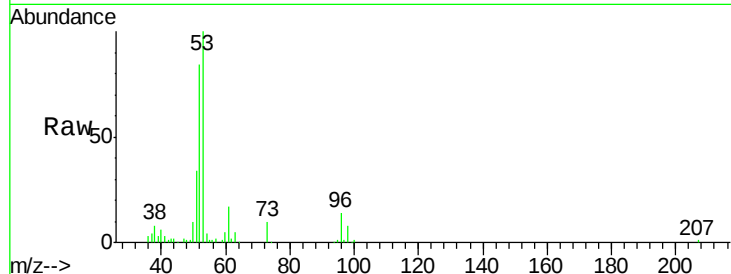
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	224439
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.3	97.9
51	36.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 238.076 ug/l

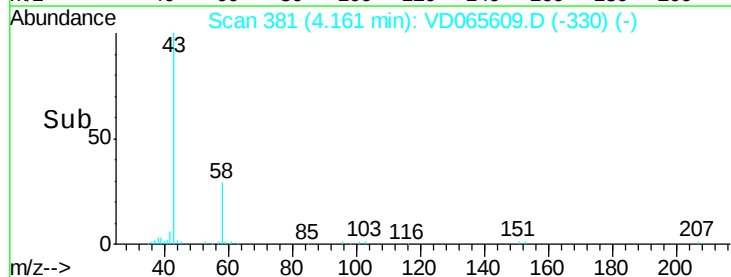
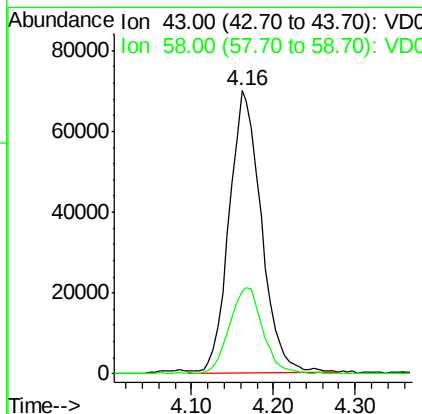
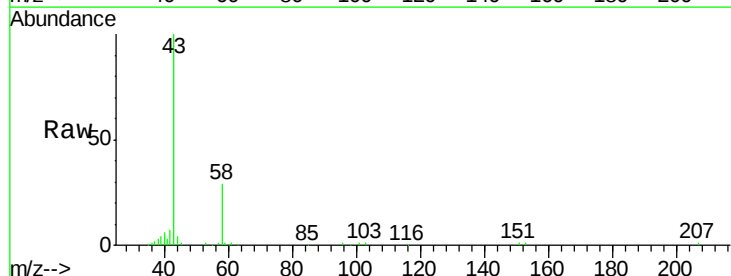
RT: 4.16 min Scan# 381

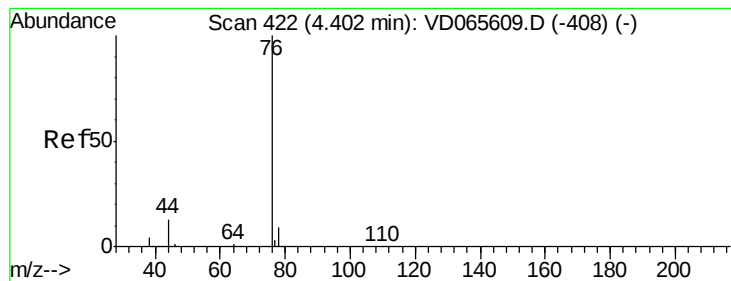
Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Tgt Ion:	43	Resp:	190680
Ion Ratio	Lower	Upper	
43	100		
58	29.0	23.2	34.8





#17

Carbon Disulfide

Concen: 49.958 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 747415

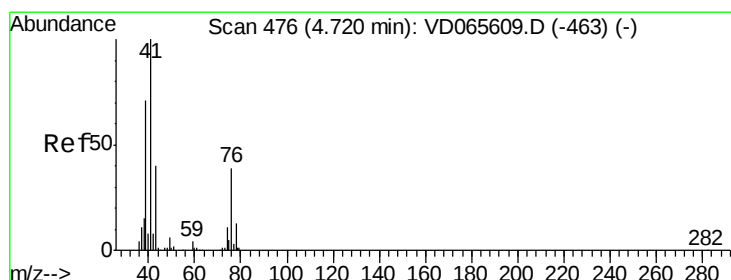
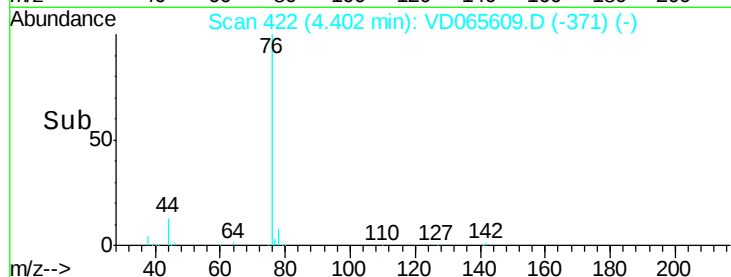
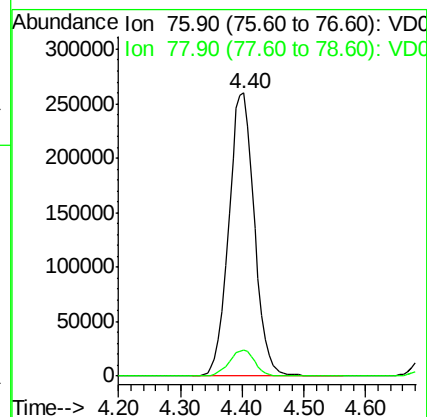
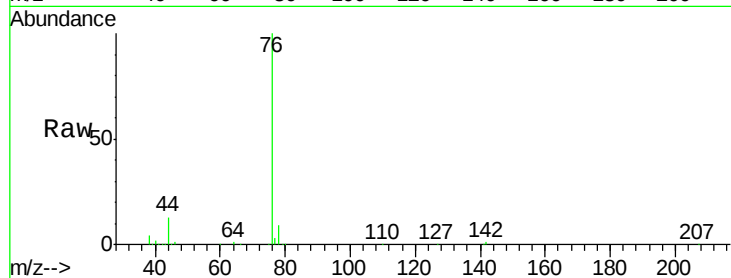
Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

Manual Integrations
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#18

Methyl Acetate

Concen: 47.652 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065609.D

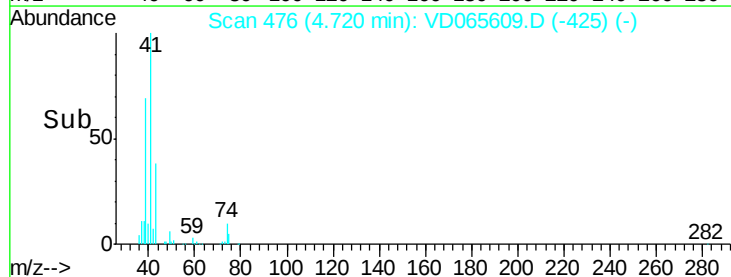
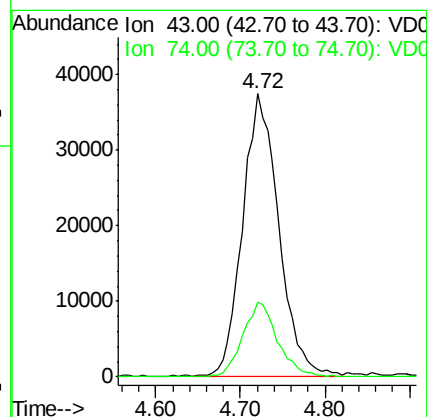
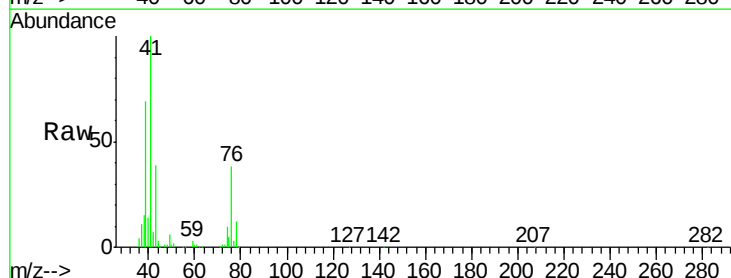
Acq: 09 Apr 2020 12:03

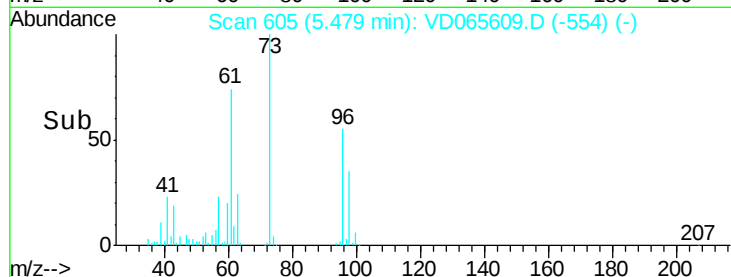
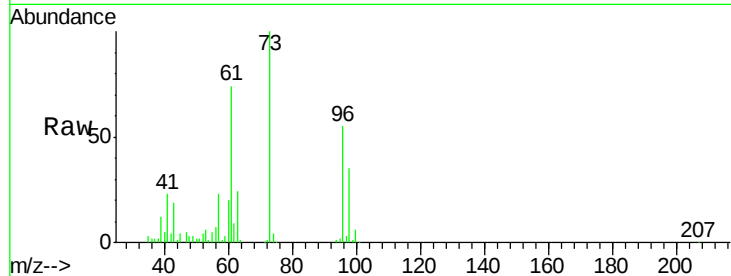
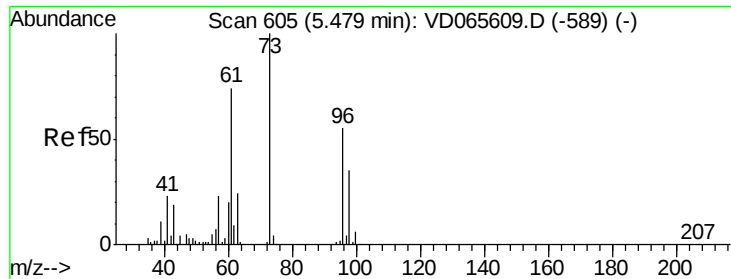
Tgt Ion: 43 Resp: 112024

Ion Ratio Lower Upper

43 100

74 25.2 20.2 30.2





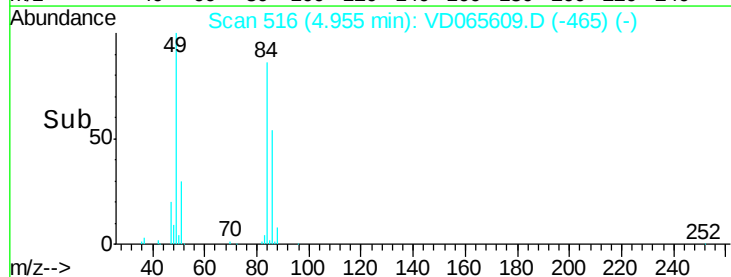
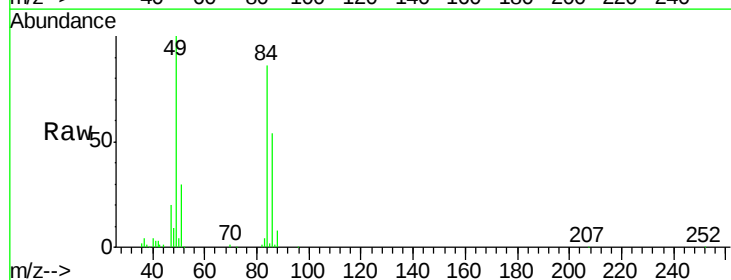
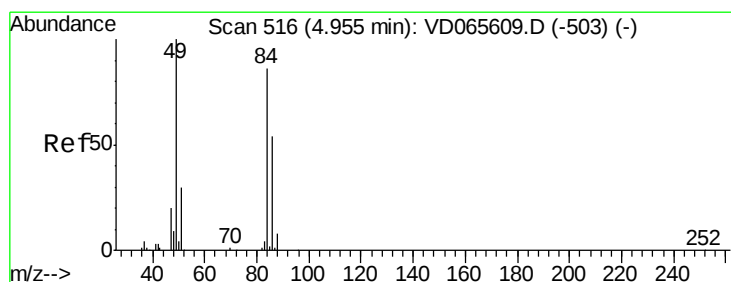
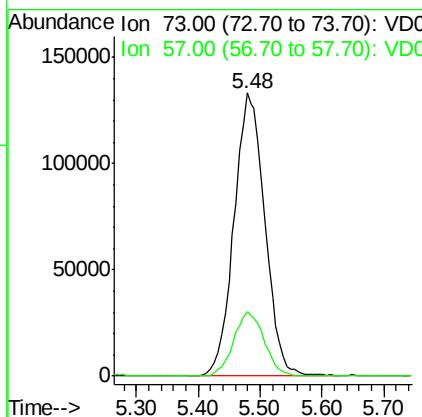
#19
Methvl tert-butvl Ether
Concen: 53.192 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.2	27.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

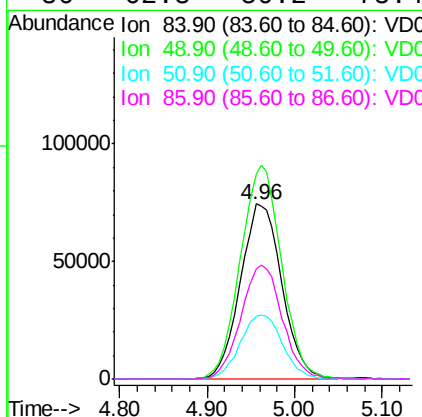
Manual Integrations
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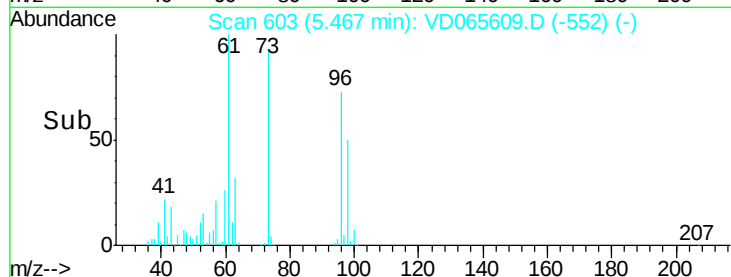
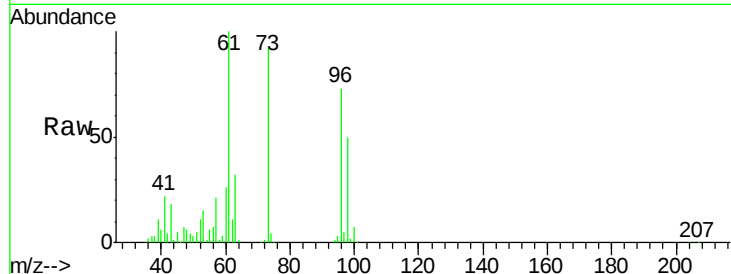
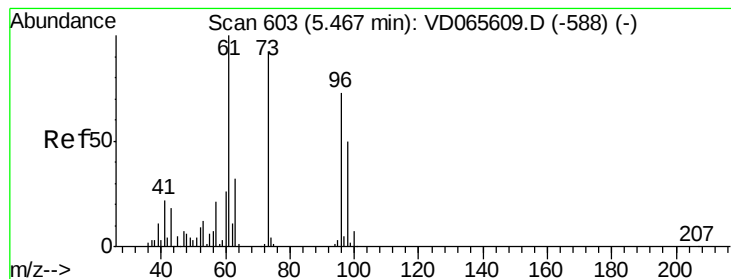
MMDadoda
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#20
Methylene Chloride
Concen: 45.441 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.8	93.4	140.2
51	35.6	28.5	42.7
86	62.8	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 51.523 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065609.D

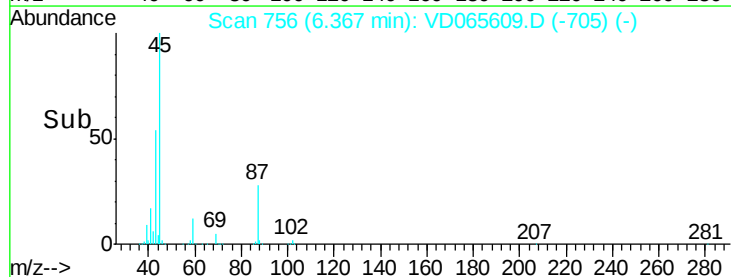
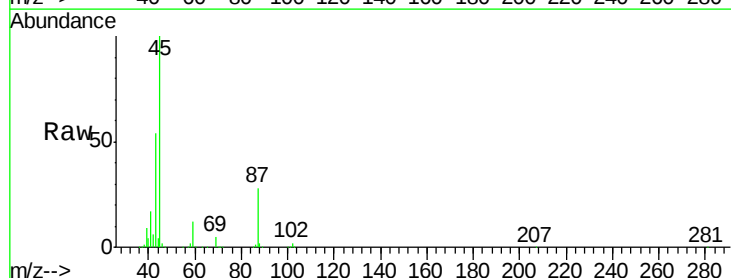
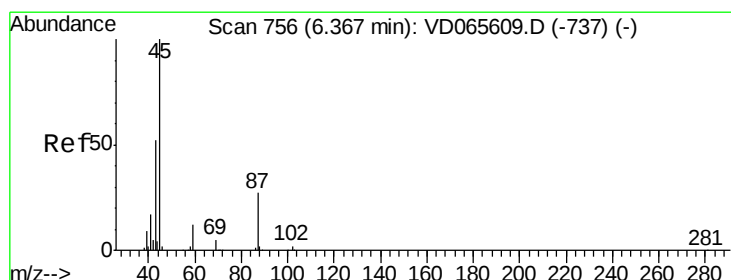
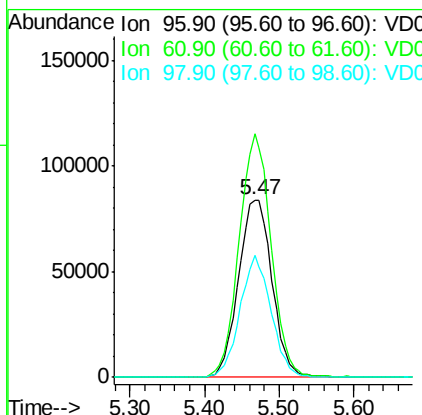
Acq: 09 Apr 2020 12:03

Tot Ion:	96	Resp:	262930
Ion	Ratio	Lower	Upper
96	100		
61	137.2	109.8	164.6
98	68.5	54.8	82.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.920 ug/l

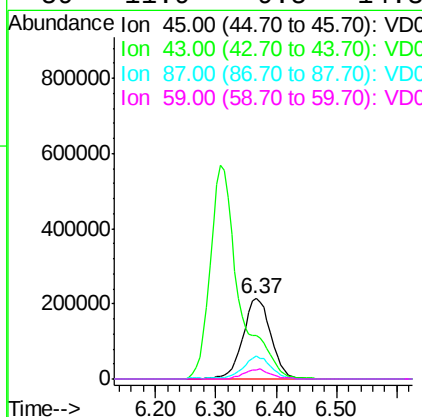
RT: 6.37 min Scan# 756

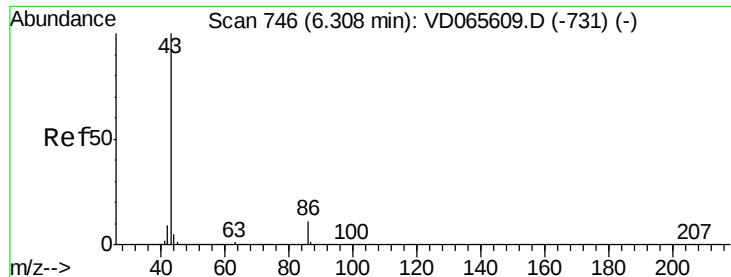
Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Tgt Ion:	45	Resp:	691283
Ion	Ratio	Lower	Upper
45	100		
43	53.1	42.5	63.7
87	27.9	22.3	33.5
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 283.701 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1868954

Ion Ratio Lower Upper

43 100

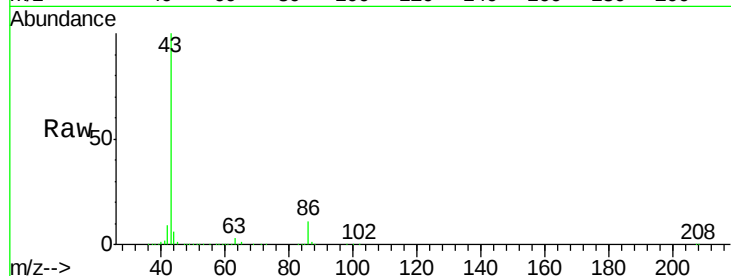
86 11.4 9.1 13.7

Manual Integrations

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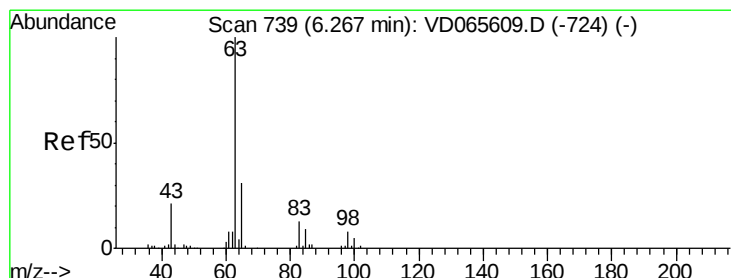
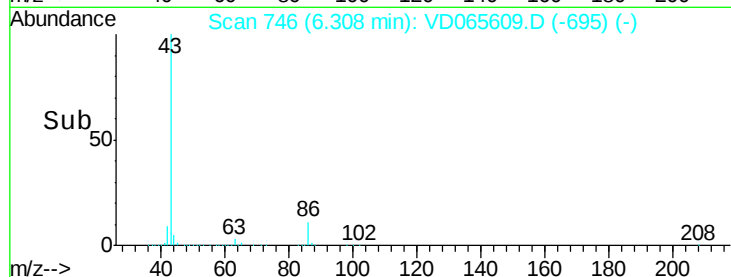
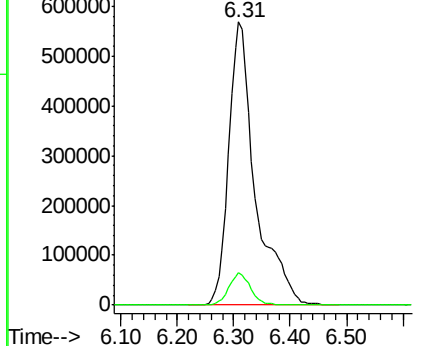
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.770 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

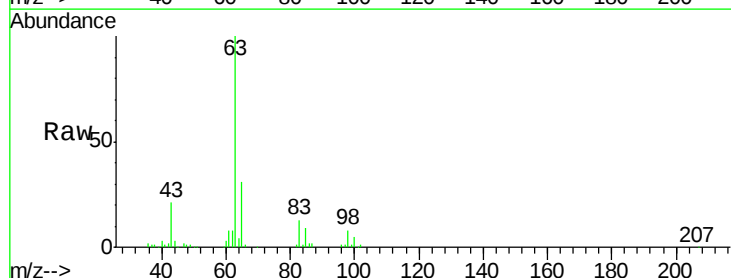
Tgt Ion: 63 Resp: 424502

Ion Ratio Lower Upper

63 100

98 7.9 4.0 11.9

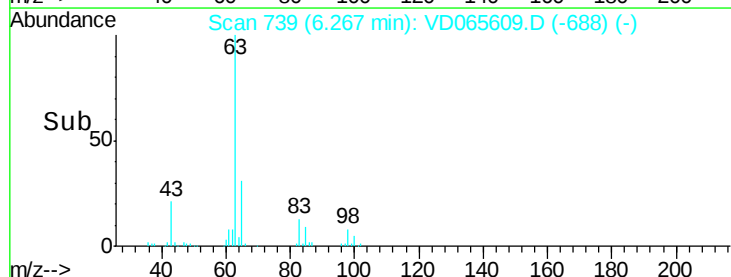
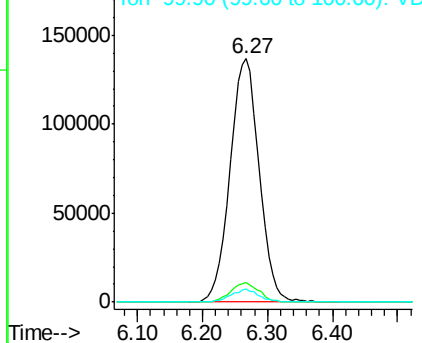
100 5.2 2.6 7.8

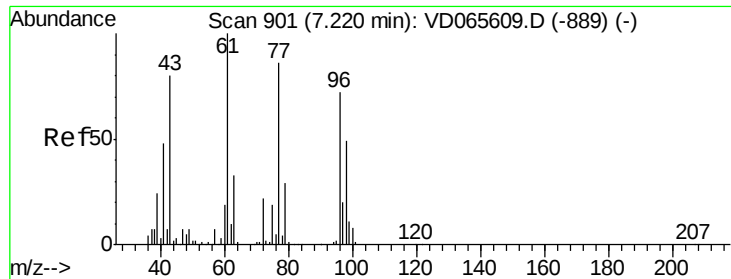


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 249.670 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 273703

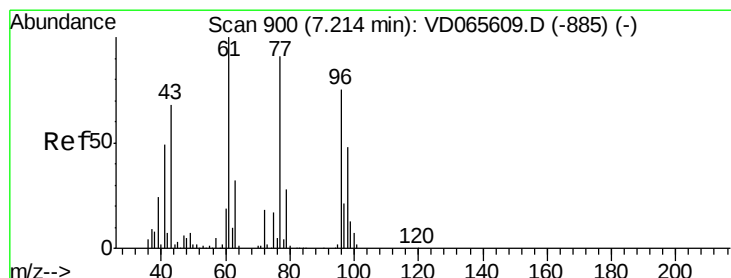
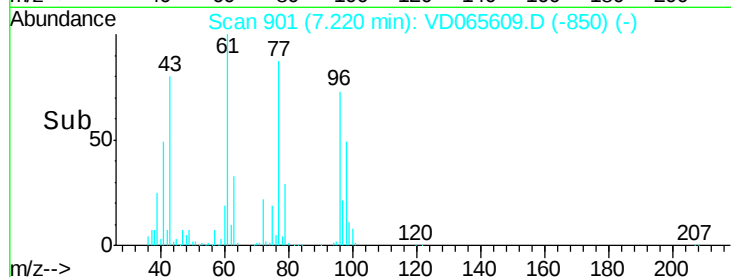
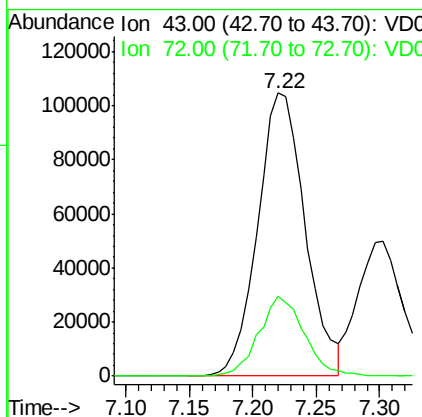
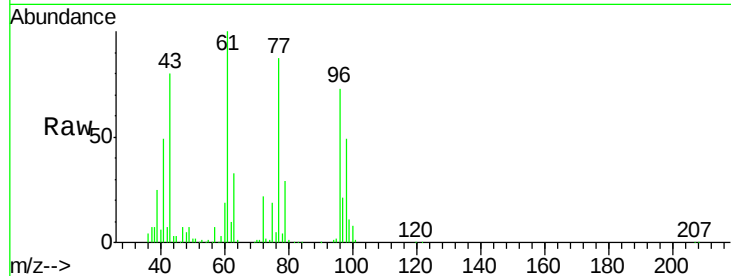
Ion Ratio Lower Upper

43 100

72 28.1 22.5 33.7

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 48.966 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065609.D

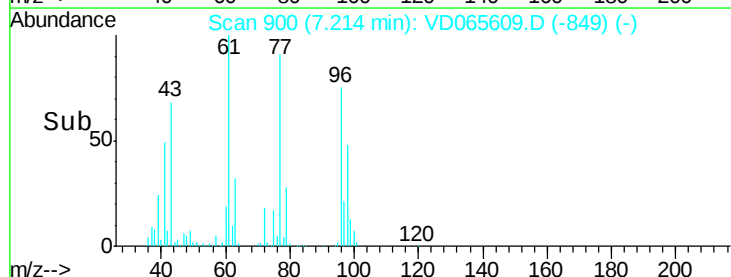
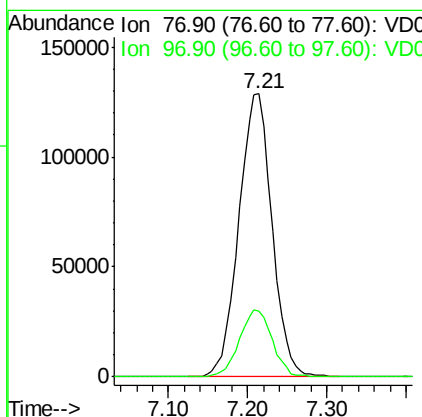
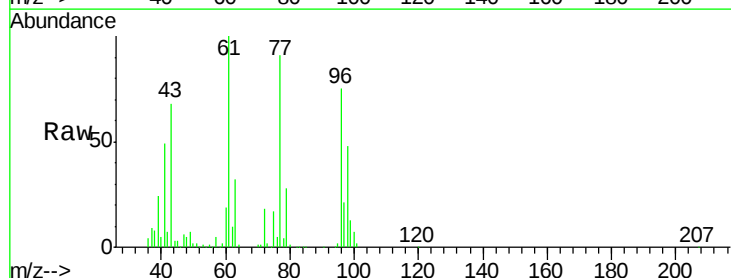
Acq: 09 Apr 2020 12:03

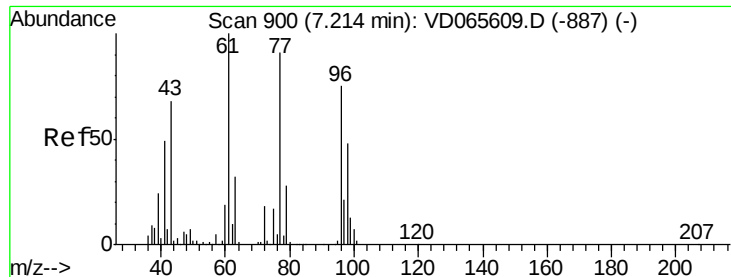
Tgt Ion: 77 Resp: 373759

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 51.717 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

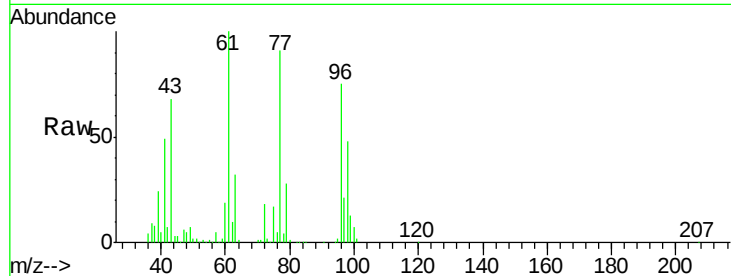
ClientSampleId :

VSTDICCC050

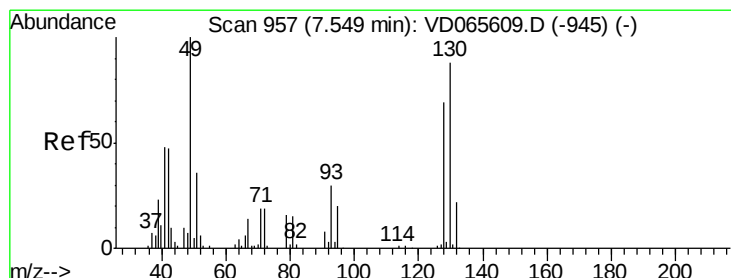
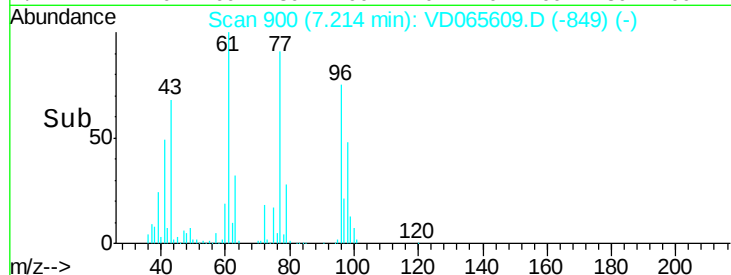
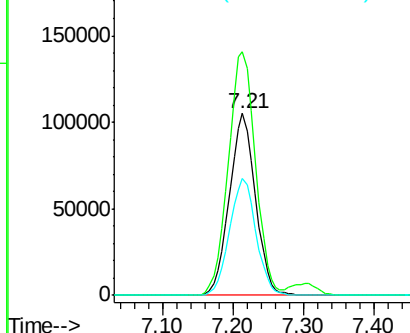
Tot Ion:	96	Resp:	270106
Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	279.0
98	65.1	0.0	130.2

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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: 48.469 ug/l

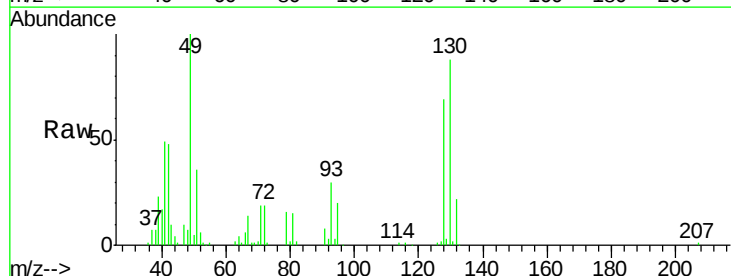
RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

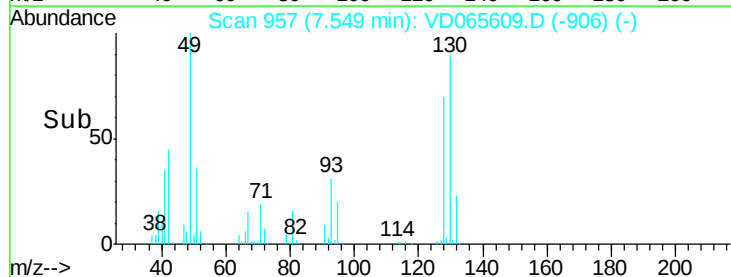
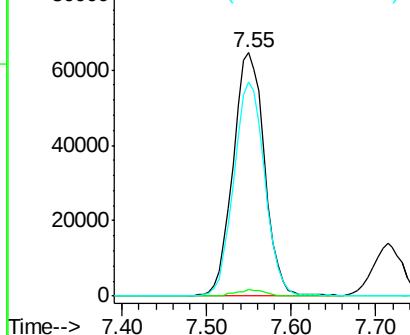
Lab File: VD065609.D

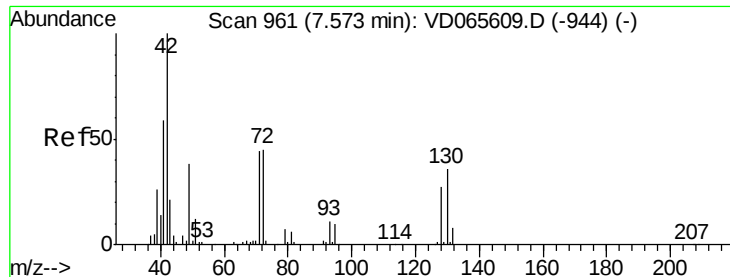
Acq: 09 Apr 2020 12:03

Tgt Ion:	49	Resp:	165927
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	86.8	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





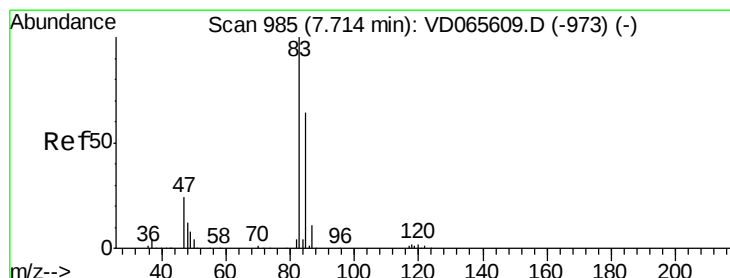
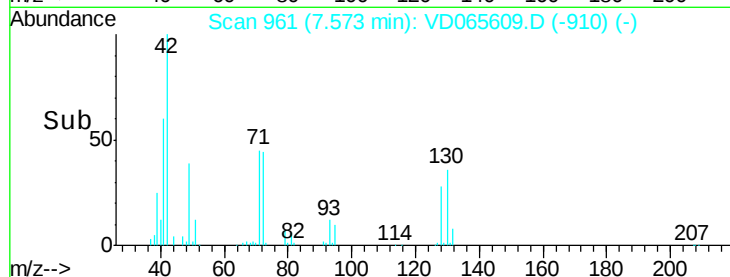
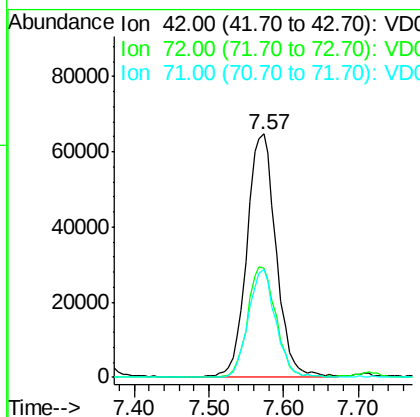
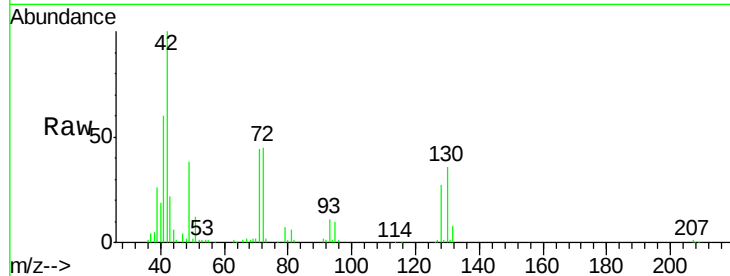
#29
Tetrahydrofuran
Concen: 256.077 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.3	52.9
71	41.4	33.1	49.7

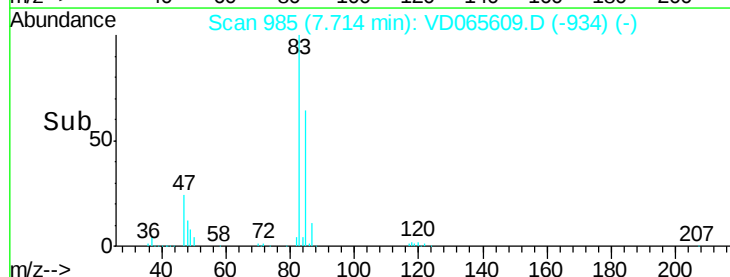
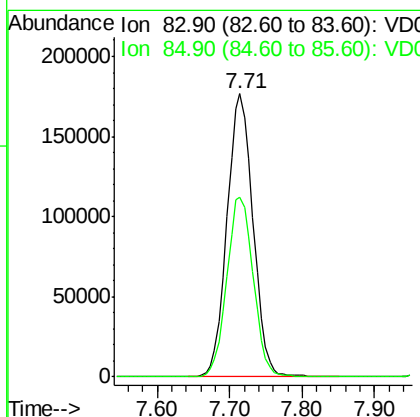
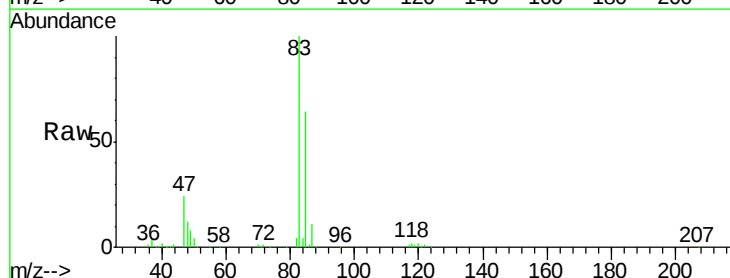
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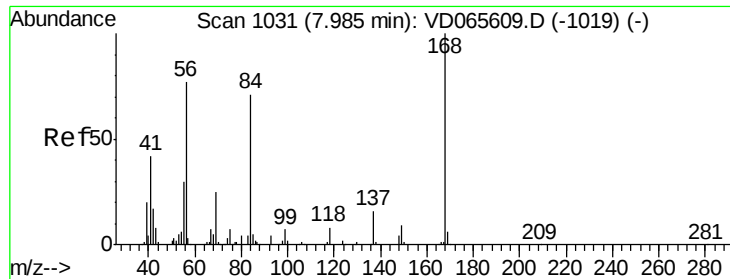
MMDadoda
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#30
Chloroform
Concen: 49.239 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3





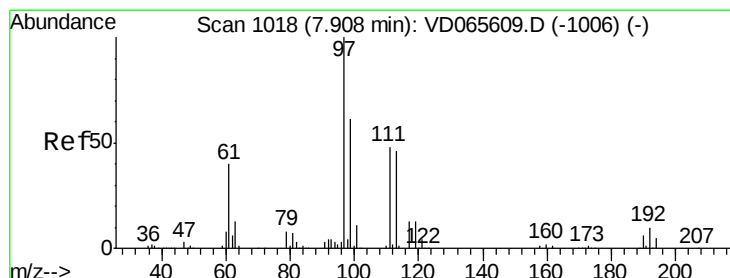
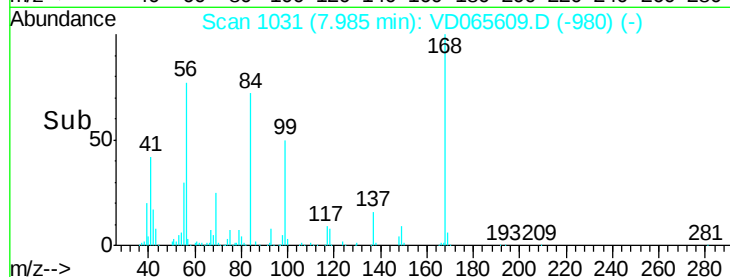
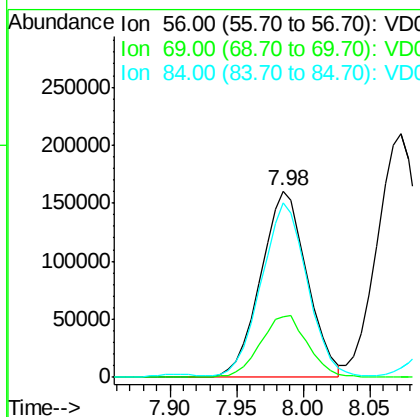
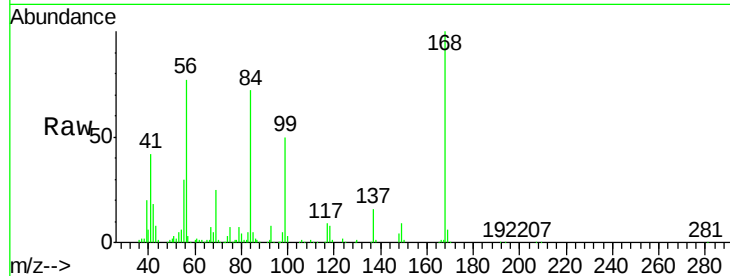
#31
Cyclohexane
Concen: 48.812 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.8	26.2	39.4	
84	92.1	73.7	110.5	

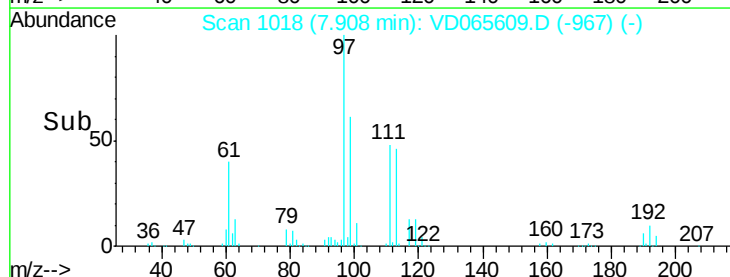
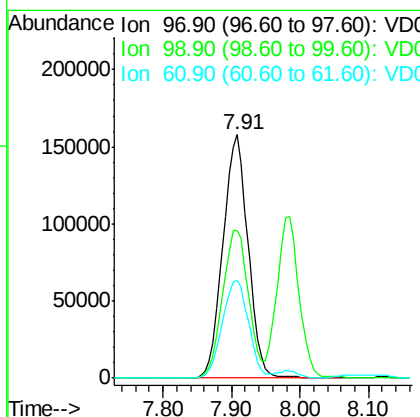
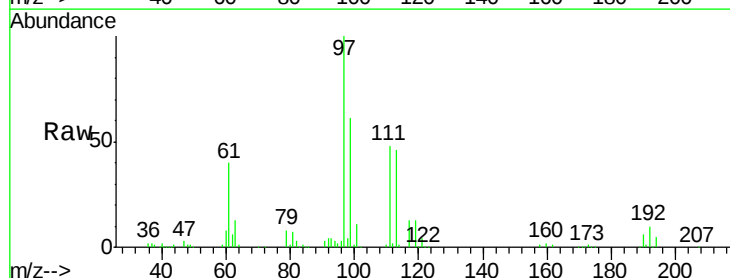
Manual Integrations
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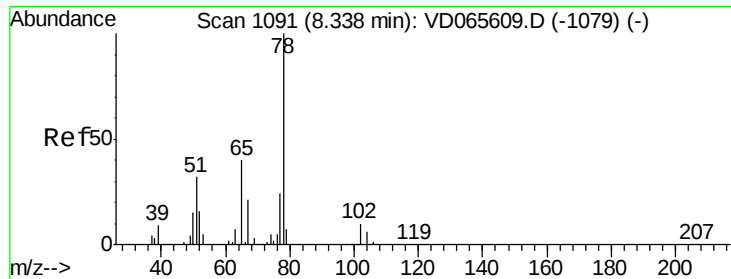
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#32
1,1,1-Trichloroethane
Concen: 49.595 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	62.7	50.2	75.2	
61	41.9	33.5	50.3	





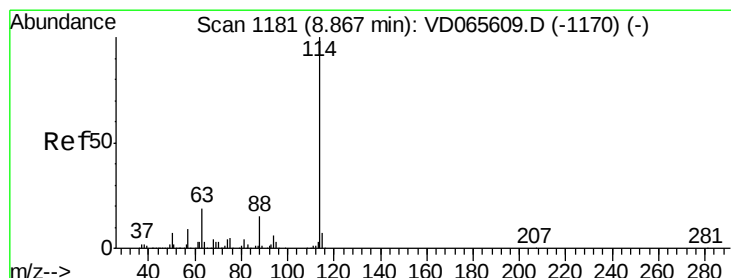
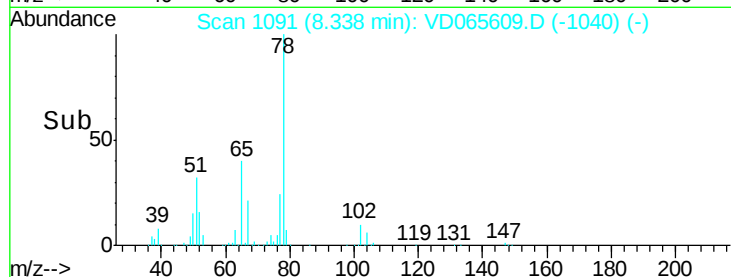
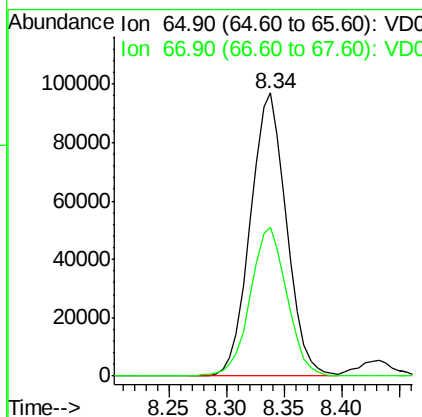
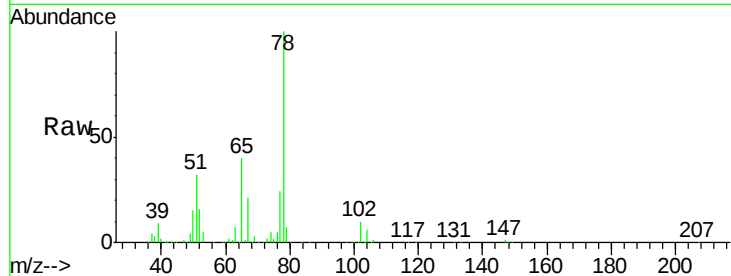
#33
 1,2-Dichloroethane-d4
 Concen: 47.703 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211584		
67	53.8	0.0	107.6	

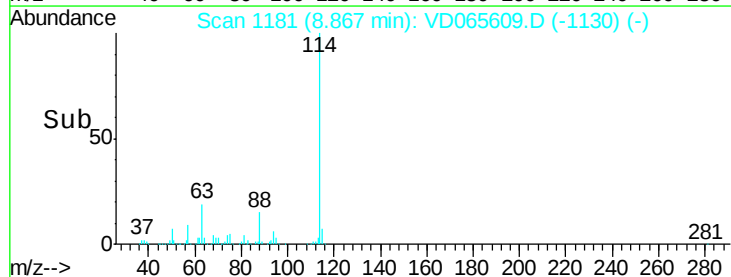
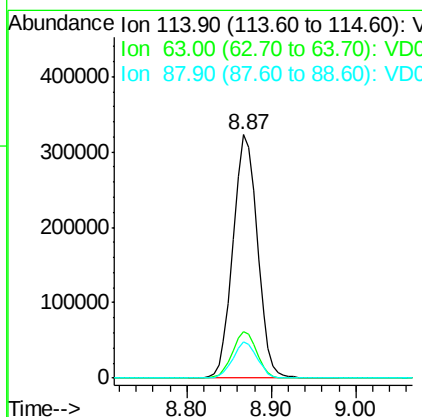
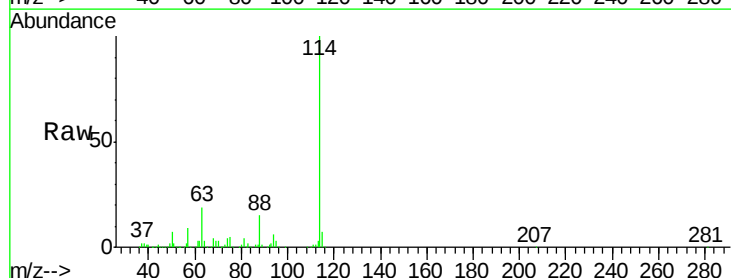
Manual Integrations
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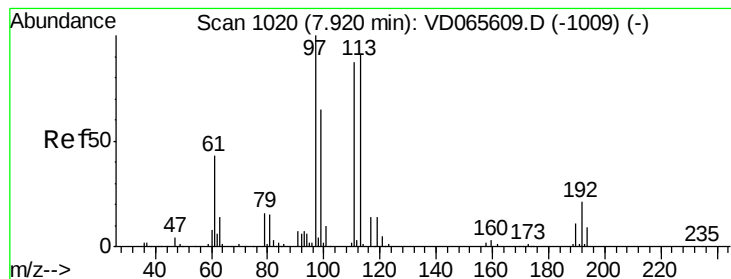
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	642750		
63	19.1	0.0	38.2	
88	14.8	0.0	29.6	





#35

Dibromofluoromethane

Concen: 50.368 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

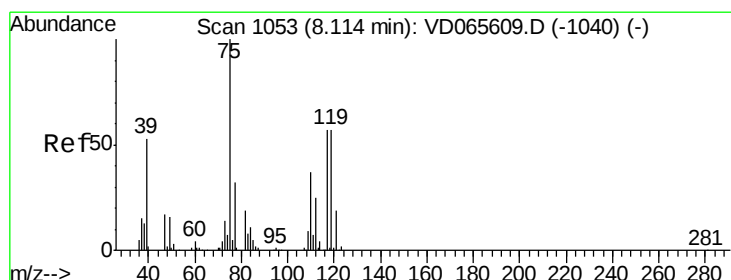
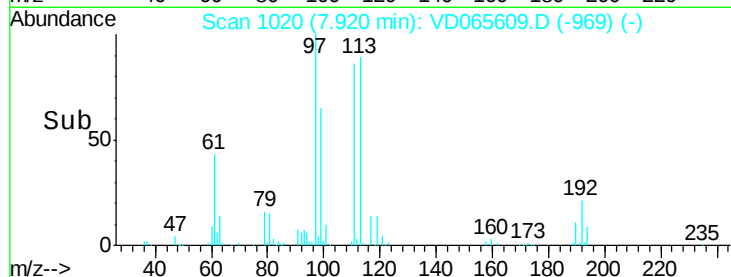
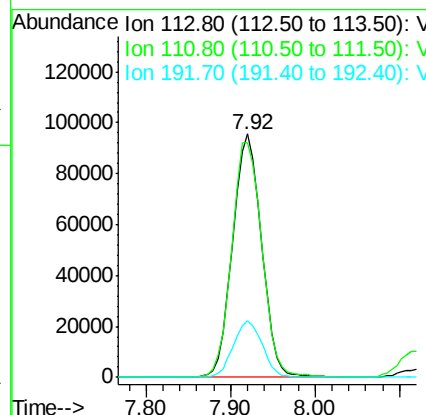
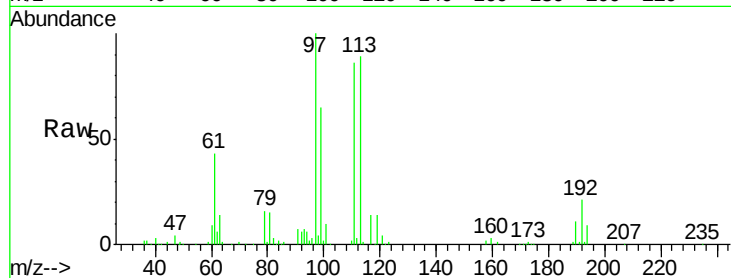
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	226175
Ion Ratio	Lower	Upper	
113	100		
111	100.7	80.6	120.8
192	23.2	18.6	27.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.675 ug/l

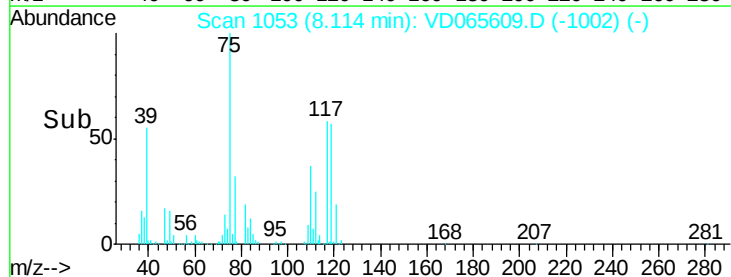
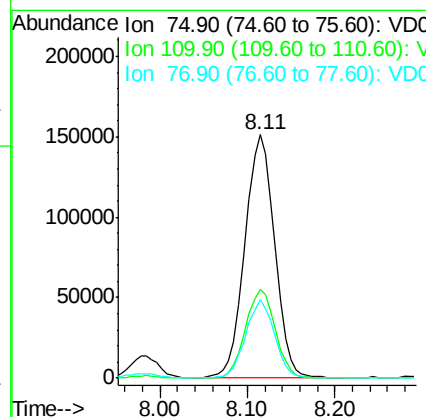
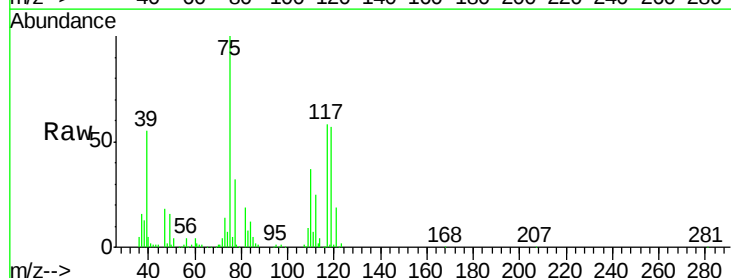
RT: 8.11 min Scan# 1053

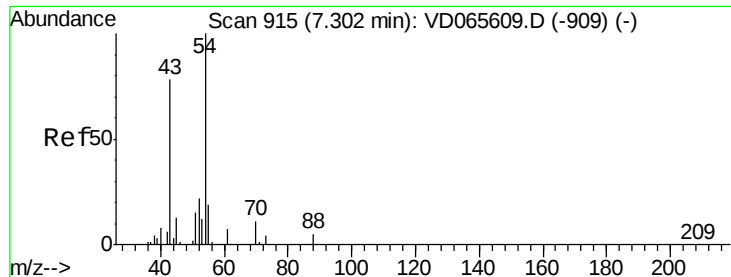
Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Tgt Ion:	75	Resp:	348566
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.3	54.9
77	31.3	25.0	37.6





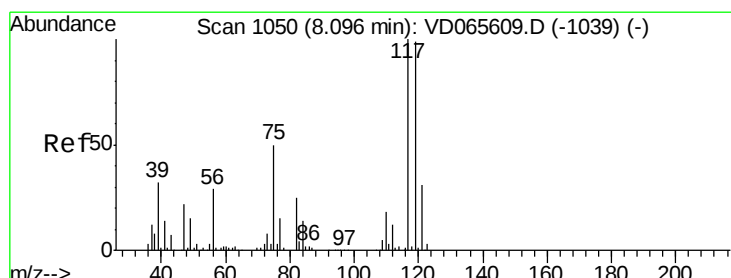
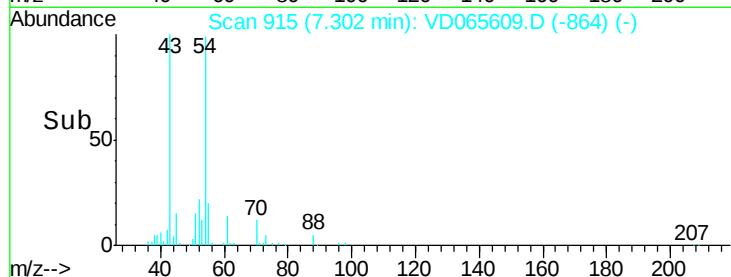
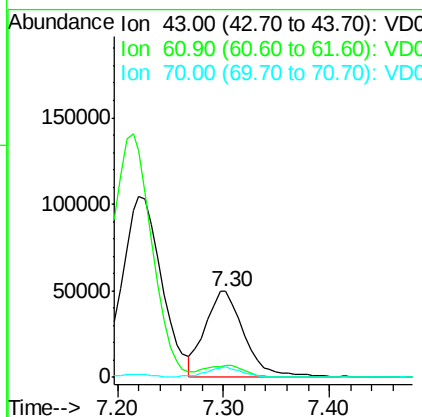
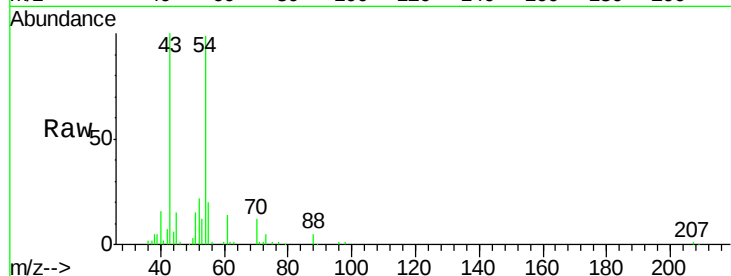
#37
Ethyl Acetate
Concen: 51.726 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.3	16.9
70	10.8	8.6	13.0

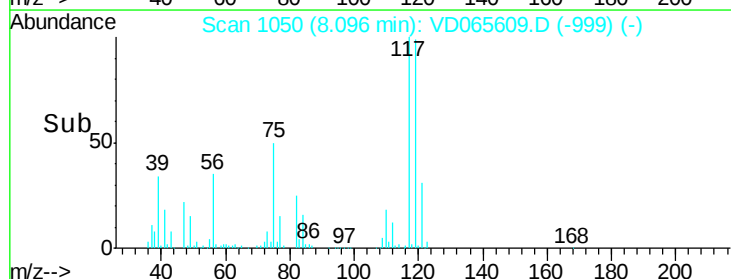
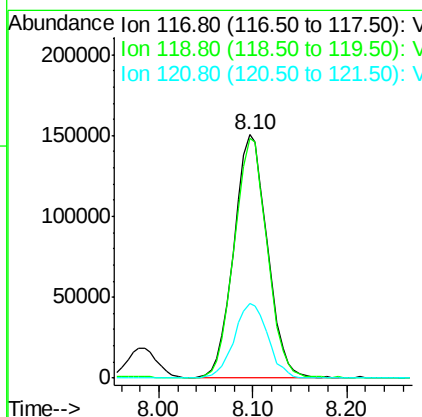
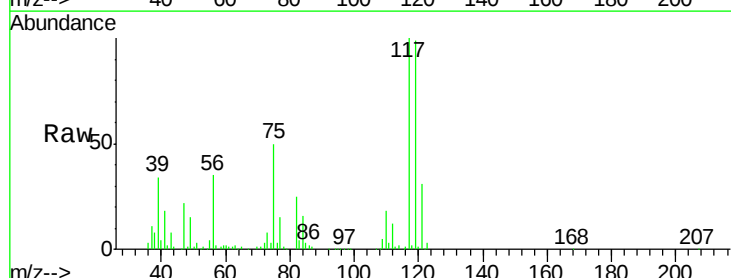
Manual Integrations
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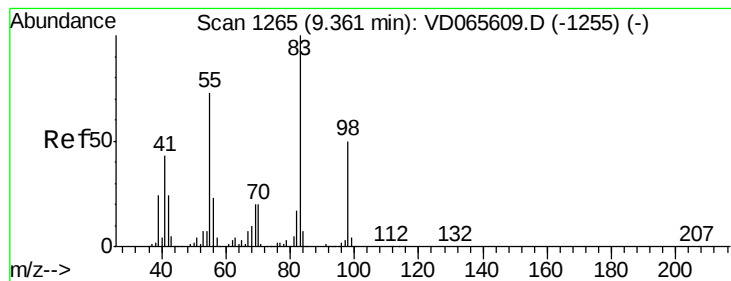
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#38
Carbon Tetrachloride
Concen: 51.450 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	78.9	118.3
121	30.8	24.6	37.0





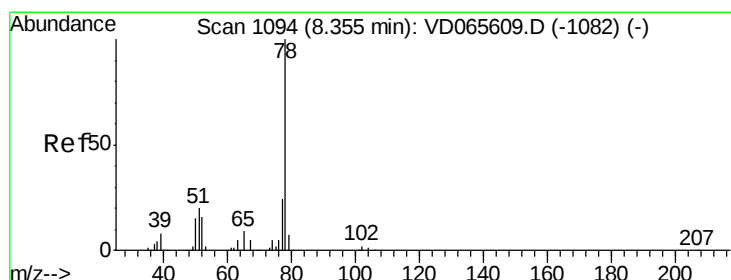
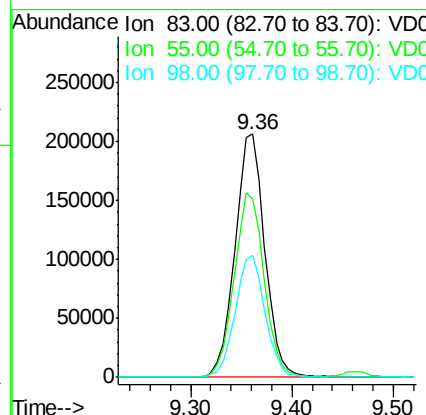
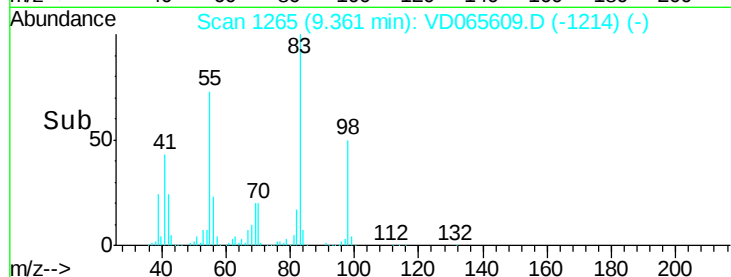
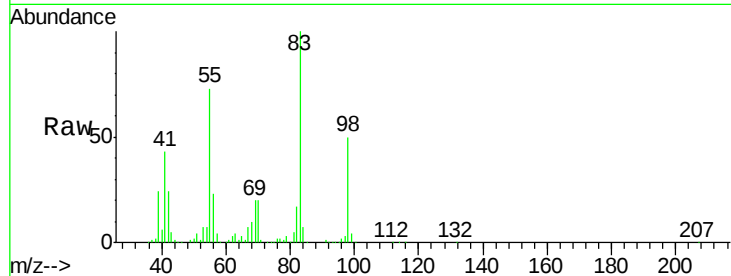
#39
Methvlcvclohexane
Concen: 56.127 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	58.7	88.1
98	50.3	40.2	60.4

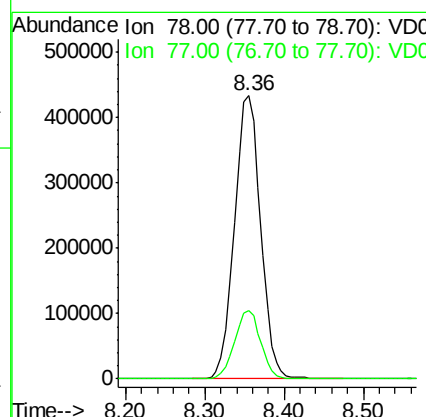
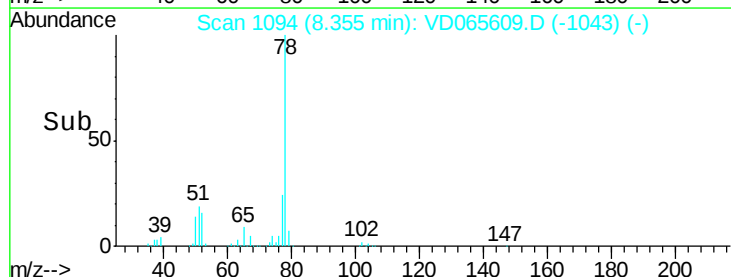
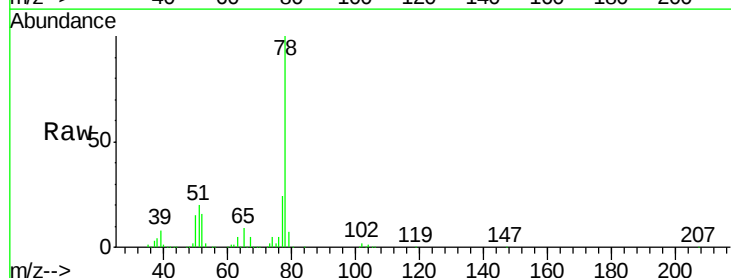
Manual Integrations
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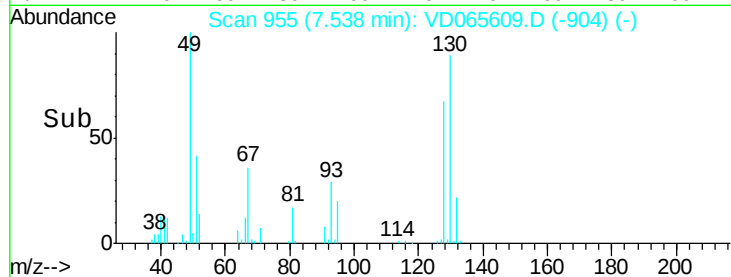
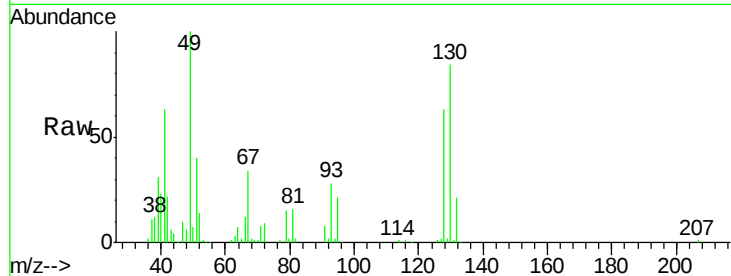
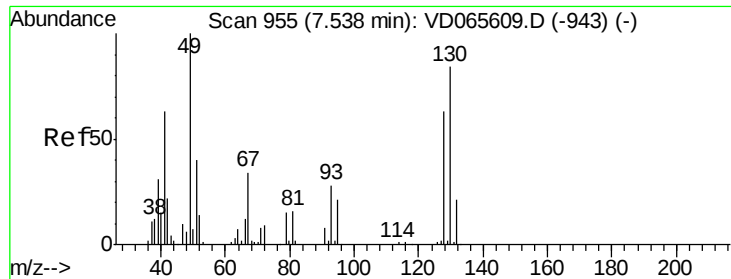
MMDadoda
4/10/2020 2:58:45 PM



#40
Benzene
Concen: 52.364 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





#41

Methacrylonitrile

Concen: 50.203 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Tot Ion	41	Resp	72102
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :

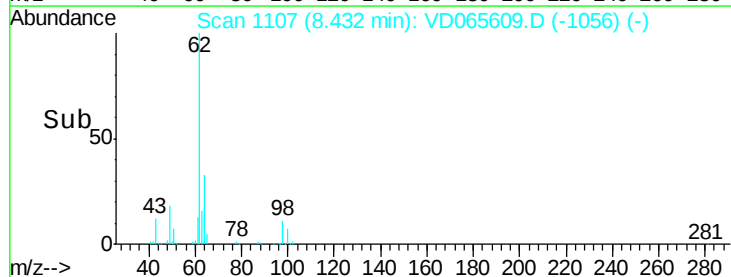
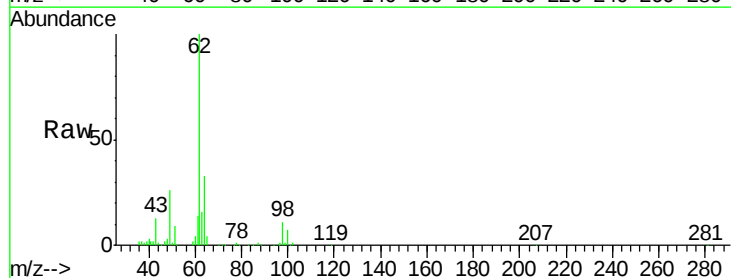
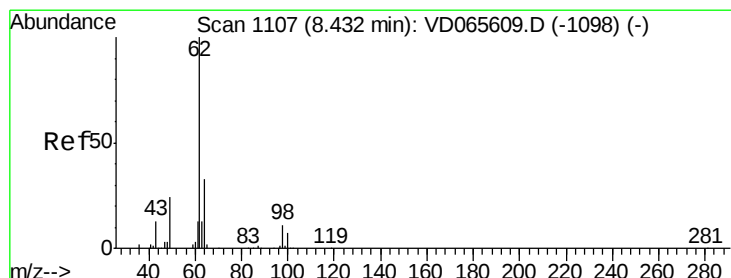
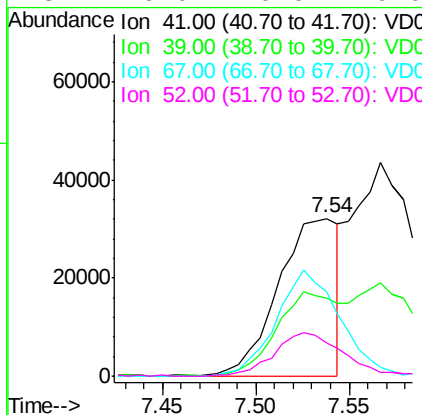
MSVOA_D

ClientSampleId :

VSTDICCC050

Manual Integrations
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MMDadoda
4/10/2020 2:58:45 PM



#42

1,2-Dichloroethane

Concen: 50.458 ug/l

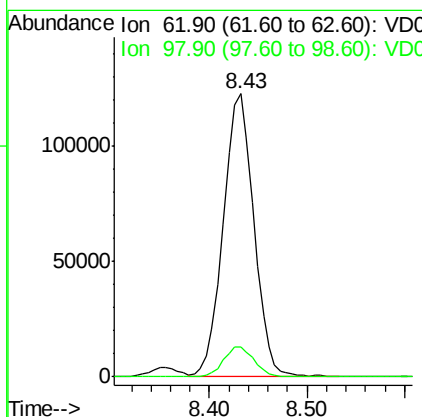
RT: 8.43 min Scan# 1107

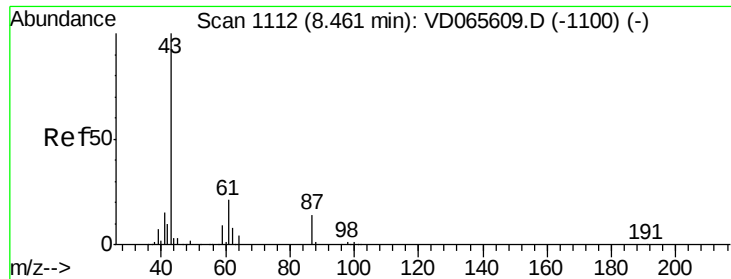
Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Tgt Ion	62	Resp	266464
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 53.081 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

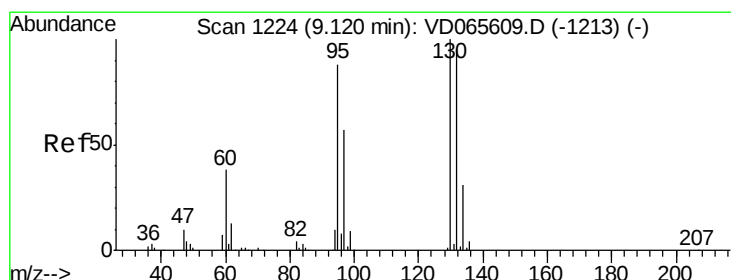
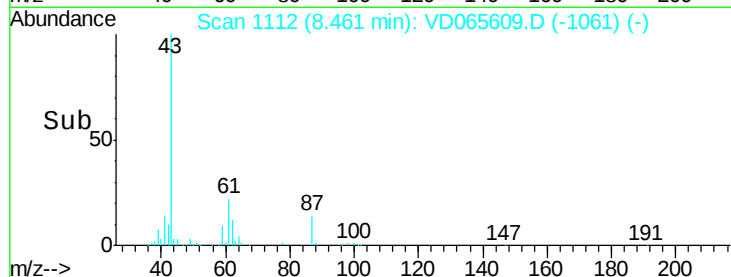
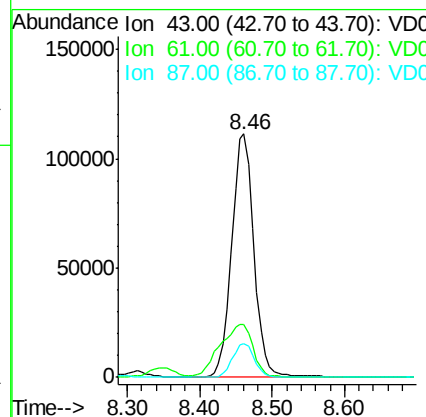
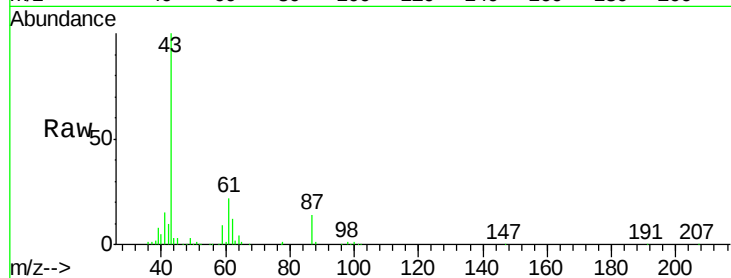
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		237946		
61	32.4	25.9	38.9		
87	13.6	10.9	16.3		

Manual Integrations
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MMDadoda
4/10/2020 2:58:45 PM



#44

Trichloroethene

Concen: 51.706 ug/l

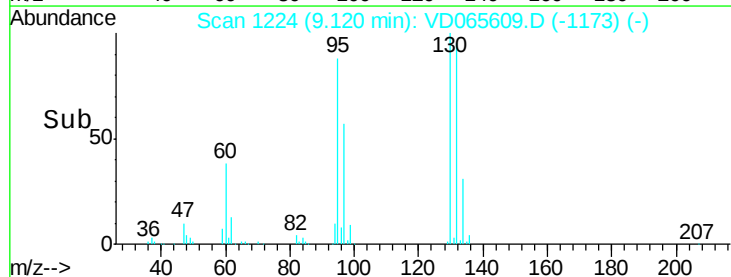
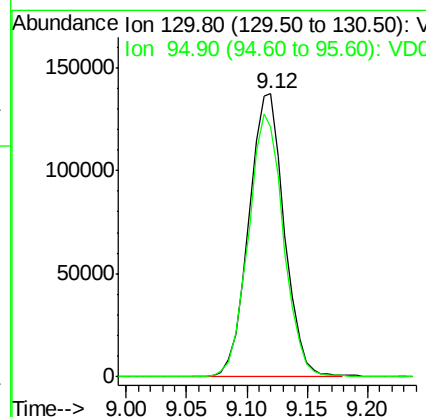
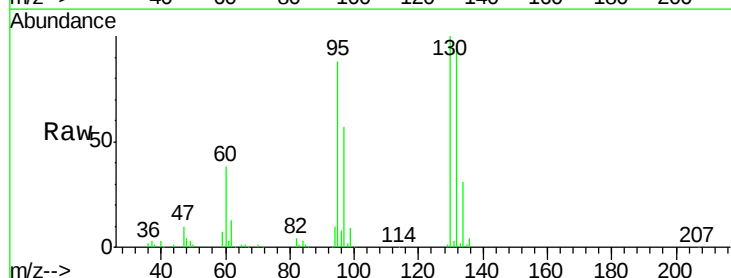
RT: 9.12 min Scan# 1224

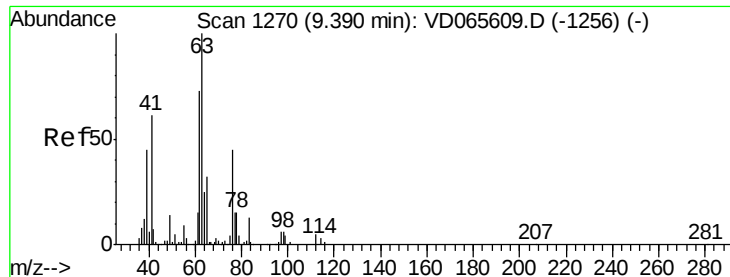
Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
130	100		280965		
95	88.4	0.0	176.8		





#45

1,2-Dichloropropane

Concen: 52.091 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 239815

Ion Ratio Lower Upper

63 100

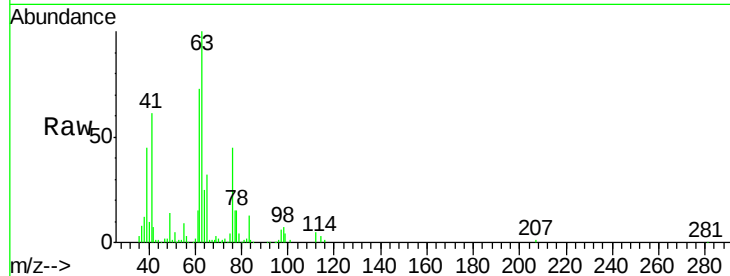
65 31.6 25.3 37.9

Manual Integrations

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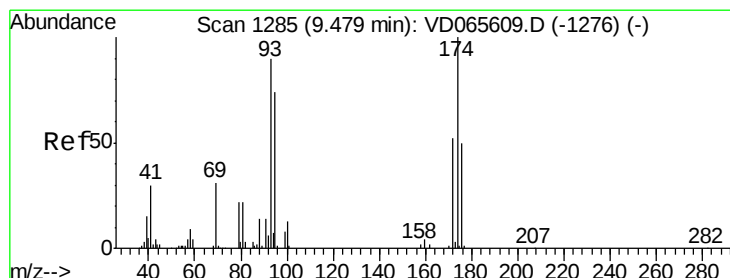
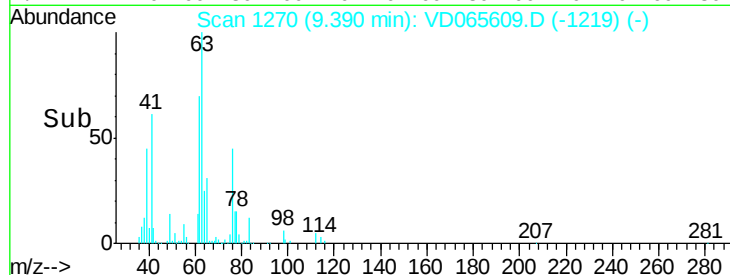
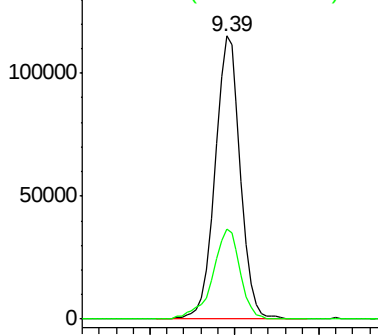
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.508 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

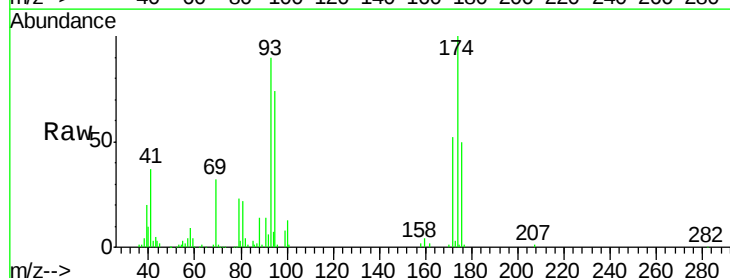
Tgt Ion: 93 Resp: 124987

Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

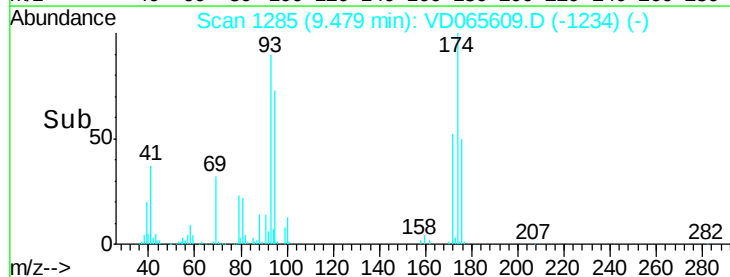
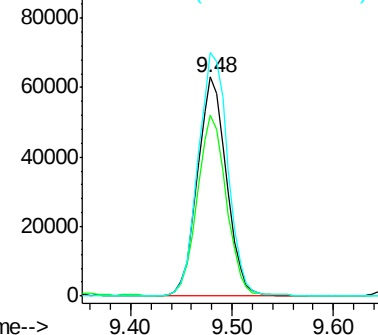
174 114.4 91.5 137.3

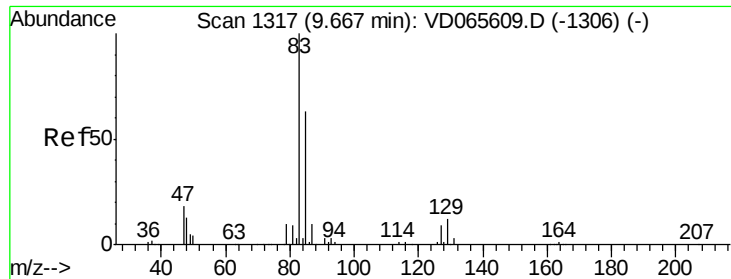


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





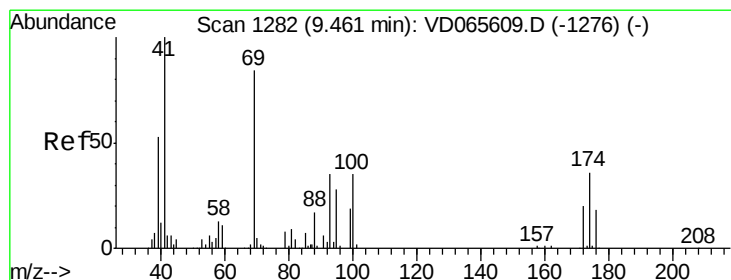
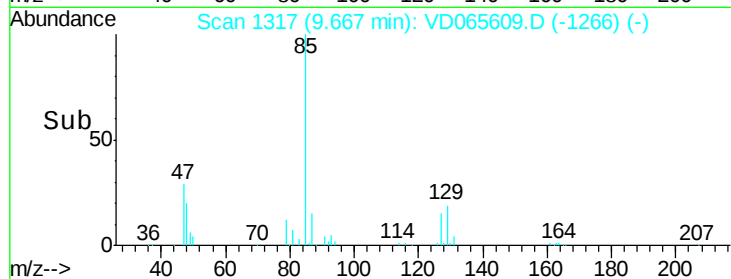
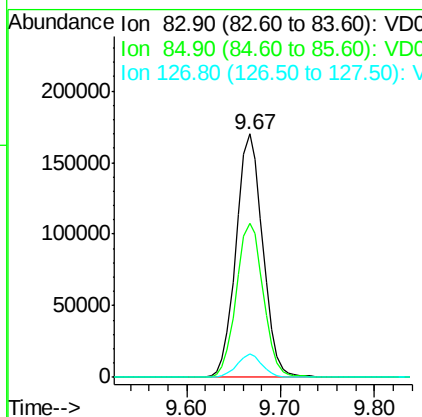
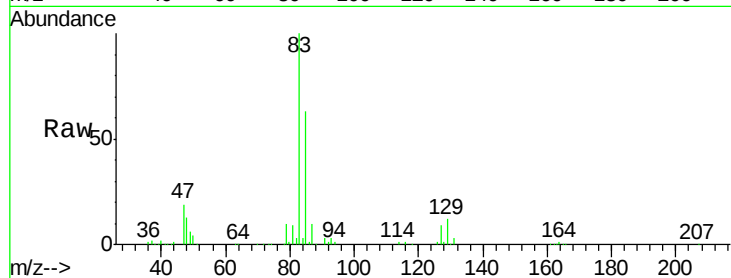
#47
Bromodichloromethane
Concen: 51.596 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	334818
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	50.7	76.1
127	9.5	7.6	11.4

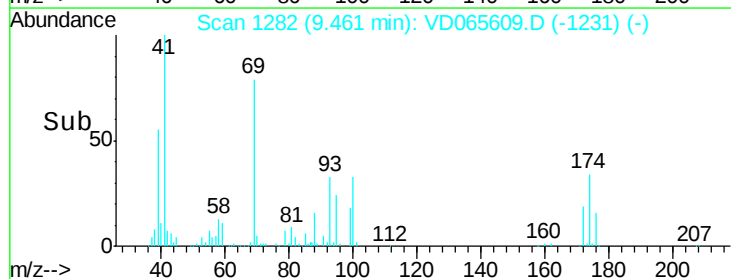
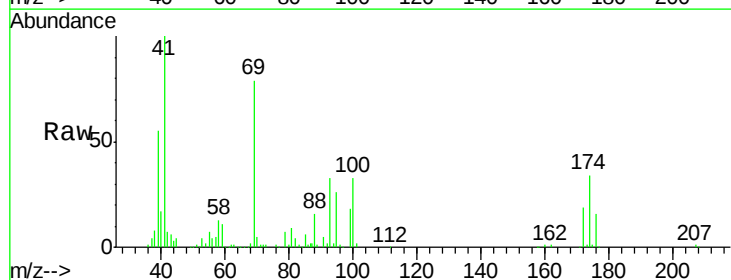
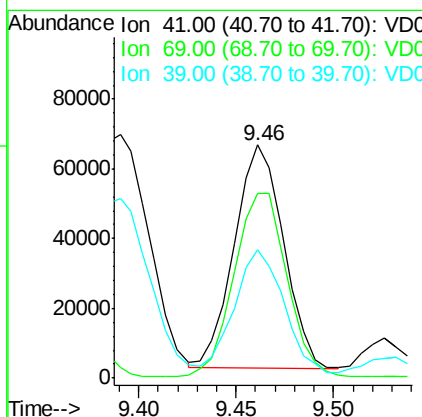
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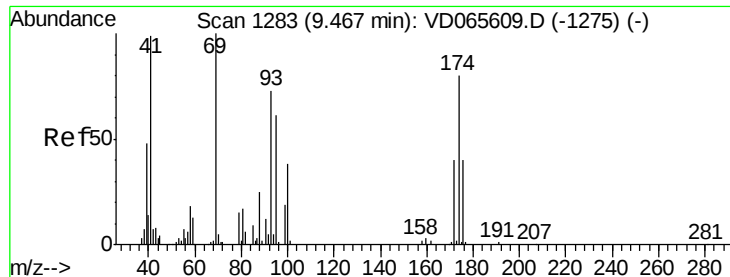
MMDadoda
4/10/2020 2:58:45 PM



#48
Methyl methacrylate
Concen: 53.984 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	41	Resp	112237
Ion Ratio	100	Lower	Upper
41	100		
69	90.5	72.4	108.6
39	54.4	43.5	65.3





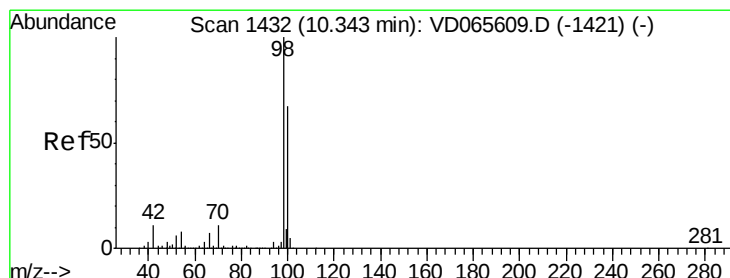
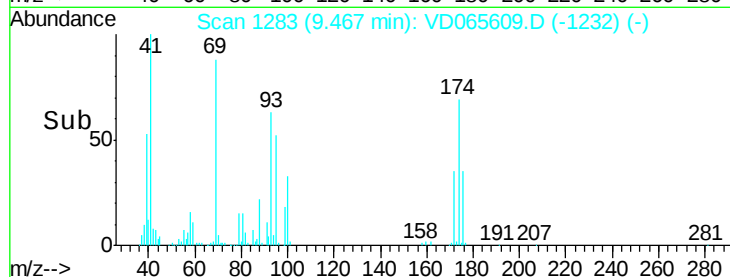
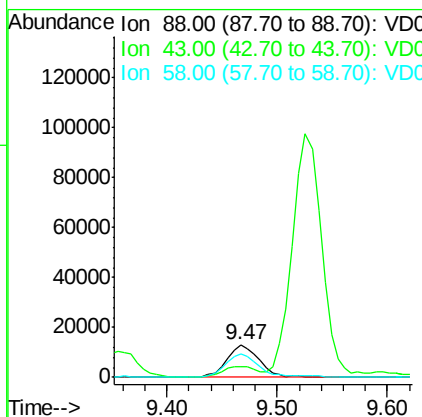
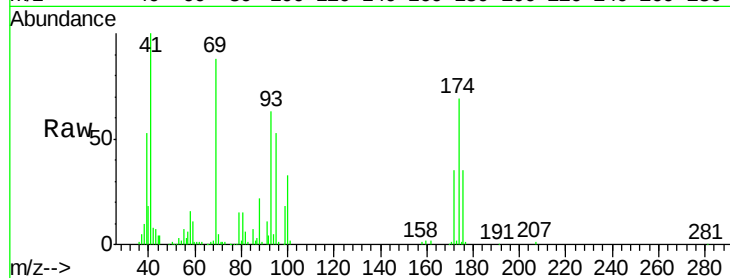
#49
1,4-Dioxane
Concen: 1034.282 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	27106
Ion	Ratio	Lower	Upper
88	100		
43	37.3	29.8	44.8
58	72.1	57.7	86.5

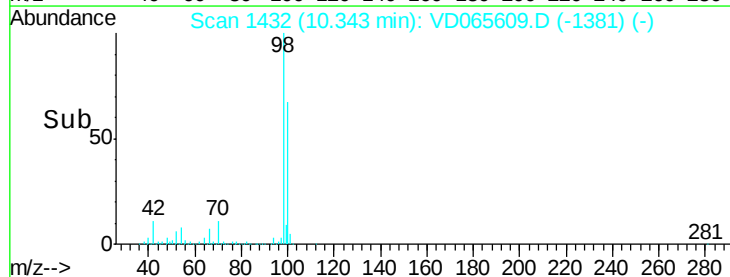
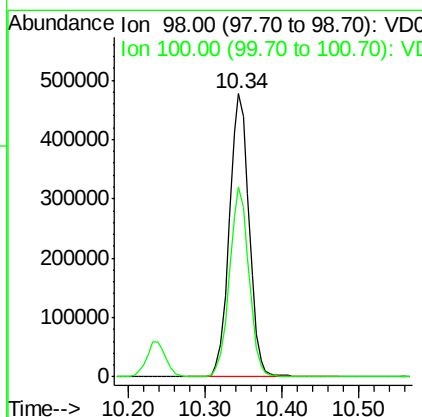
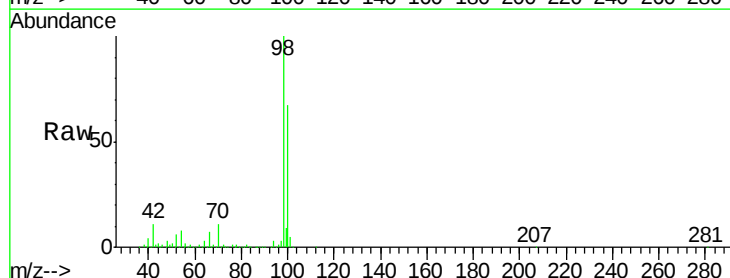
Manual Integrations
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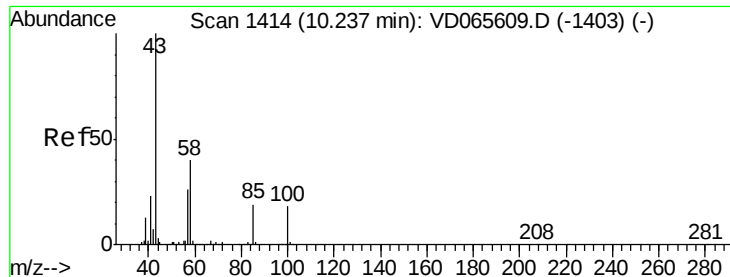
MMDadoda
4/10/2020 2:58:45 PM



#50
Toluene-d8
Concen: 52.248 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	98	Resp	856749
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 266.381 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 615372

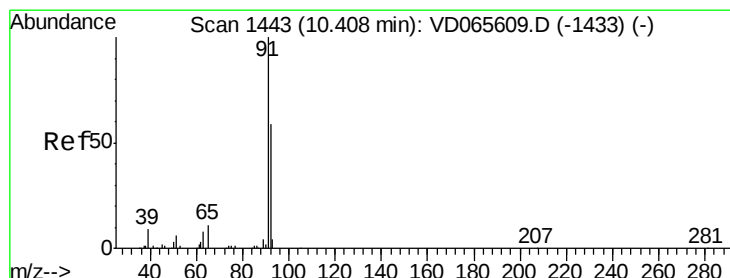
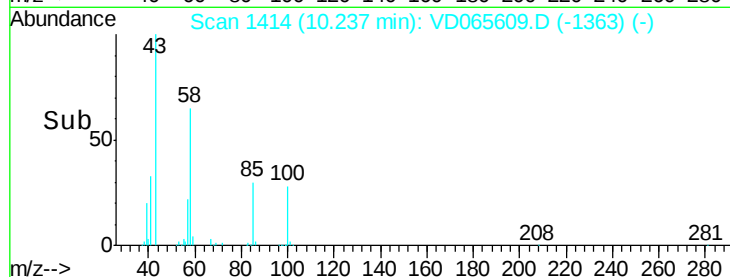
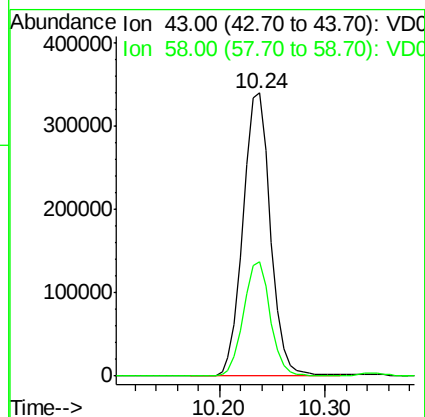
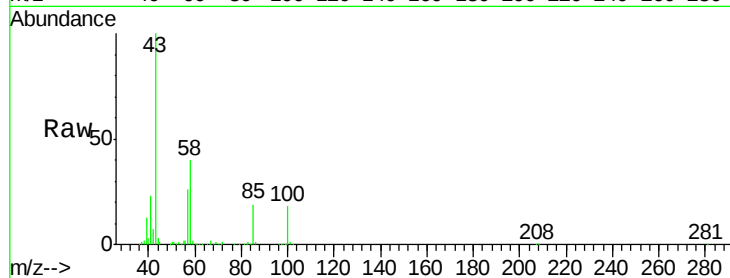
Ion Ratio Lower Upper

43 100

58 39.3 31.4 47.2

Manual Integrations
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4/10/2020 2:58:45 PM



#52

Toluene

Concen: 53.524 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065609.D

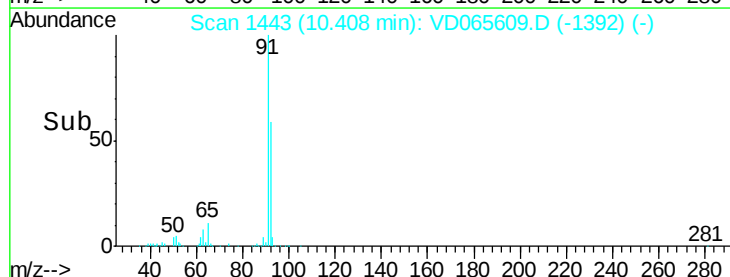
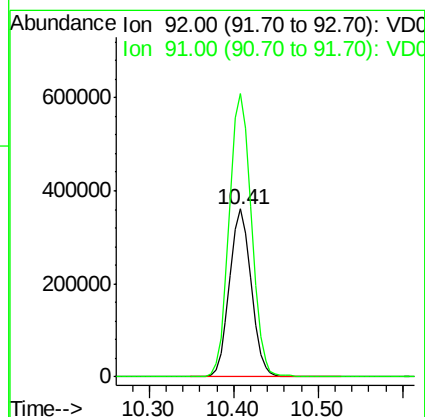
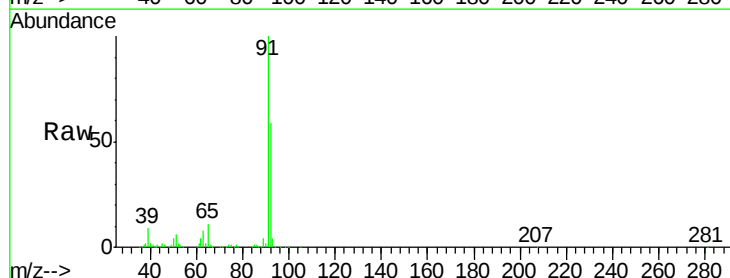
Acq: 09 Apr 2020 12:03

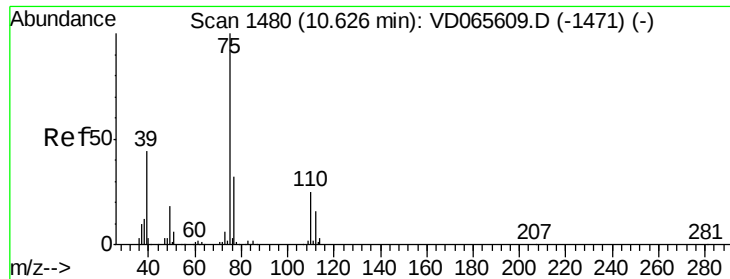
Tgt Ion: 92 Resp: 639839

Ion Ratio Lower Upper

92 100

91 172.4 137.9 206.9





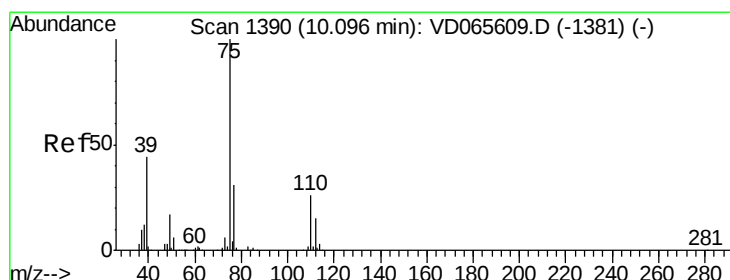
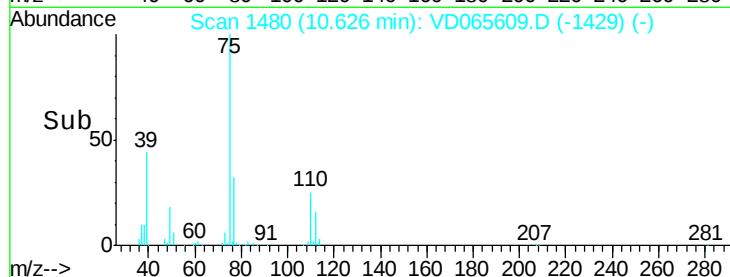
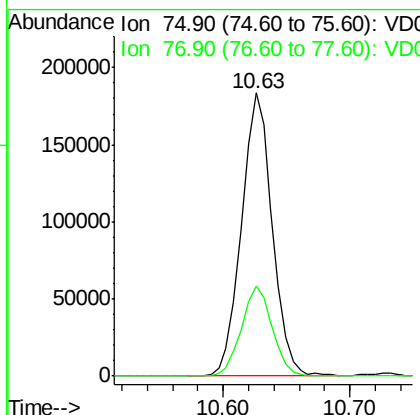
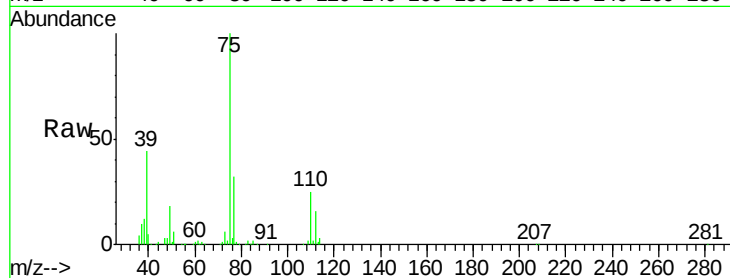
#53
t-1,3-Dichloropropene
Concen: 53.617 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

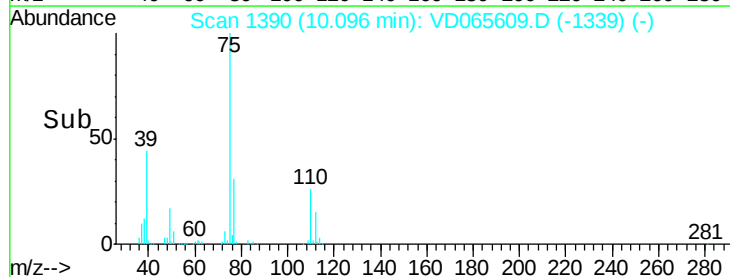
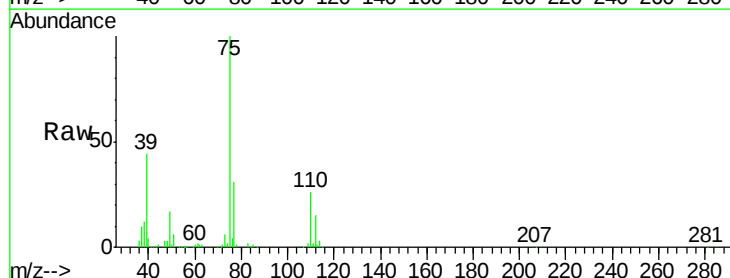
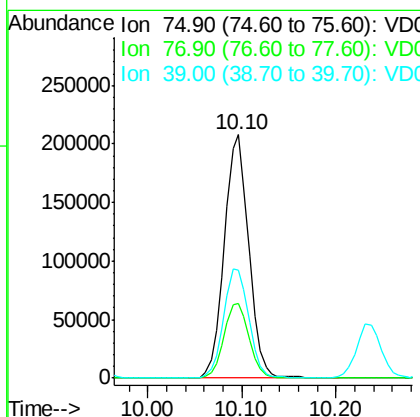
Manual Integrations
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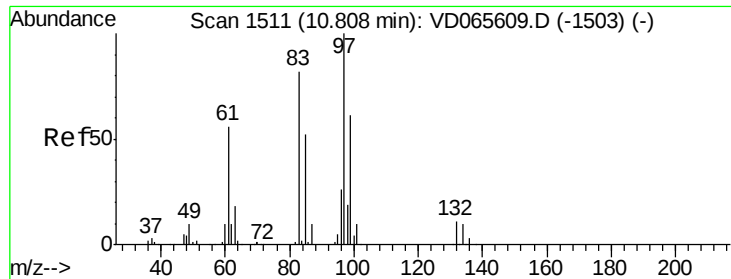
MMDadoda
4/10/2020 2:58:45 PM



#54
cis-1,3-Dichloropropene
Concen: 53.227 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.5	36.7
39	44.4	35.5	53.3





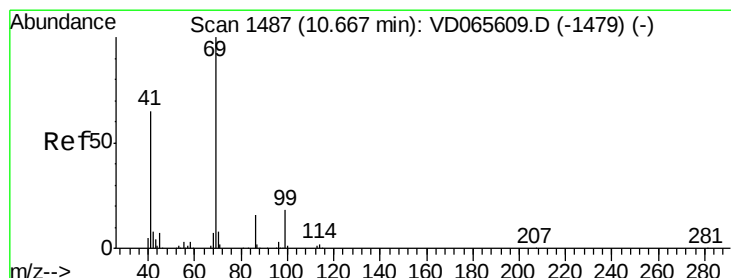
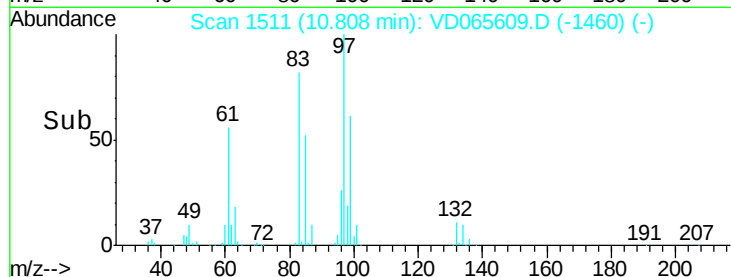
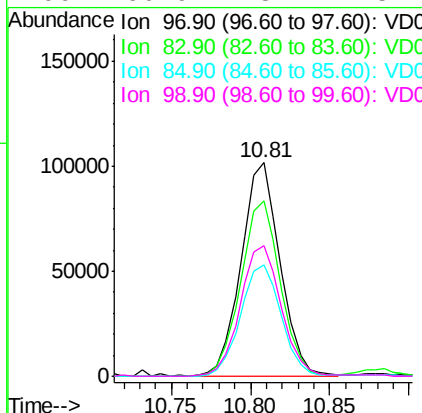
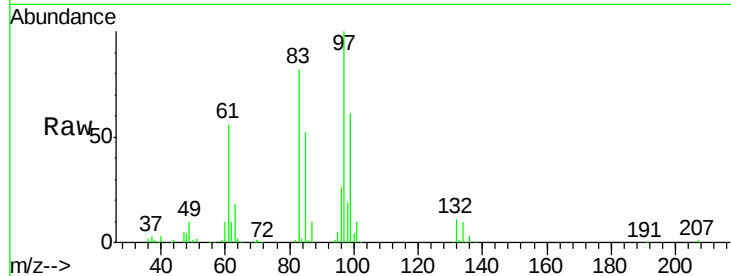
#55
 1,1,2-Trichloroethane
 Concen: 50.023 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		173710		
83	82.1	65.7	98.5		
85	52.0	41.6	62.4		
99	60.9	48.7	73.1		

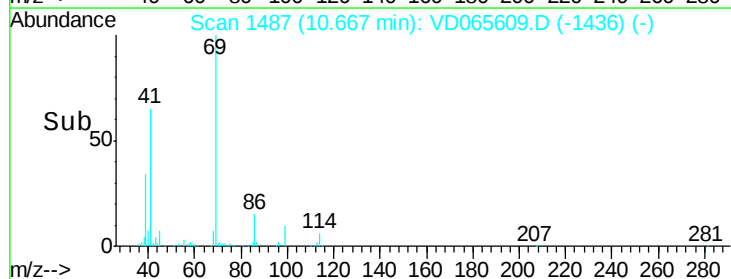
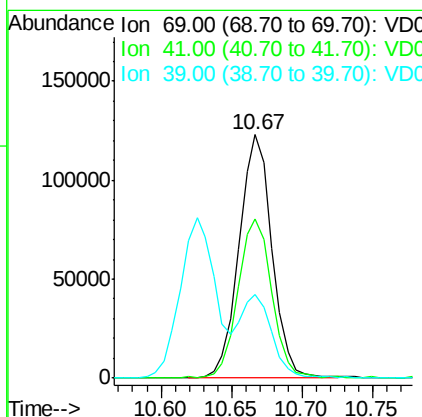
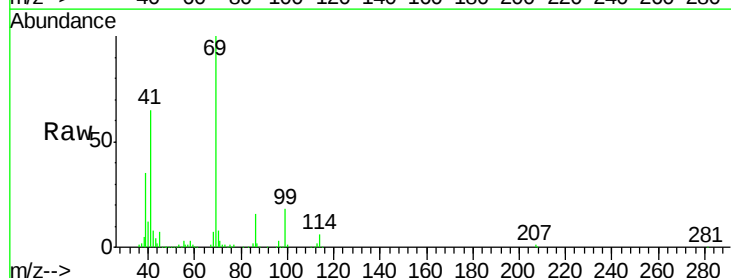
Manual Integrations
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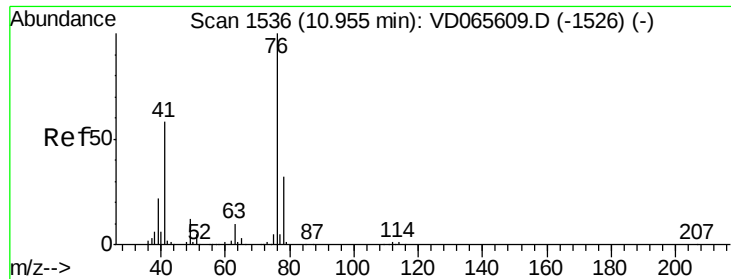
MMDadoda
 4/10/2020 2:58:45 PM



#56
 Ethyl methacrylate
 Concen: 57.227 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		200429		
41	68.0	54.4	81.6		
39	33.1	26.5	39.7		





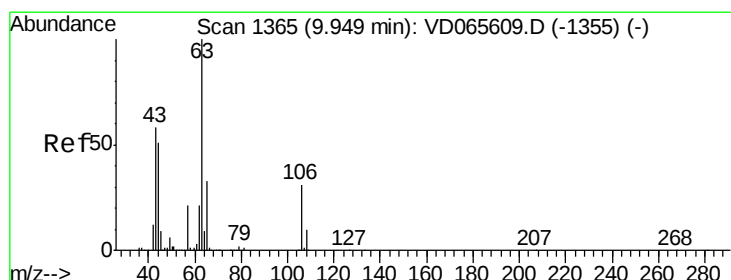
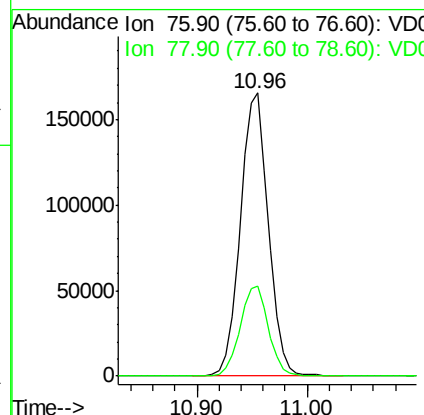
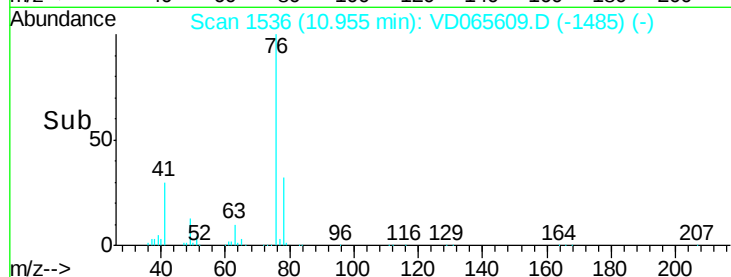
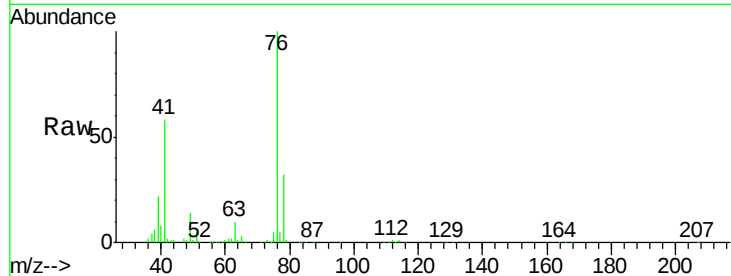
#57
 1,3-Dichloropropane
 Concen: 51.218 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

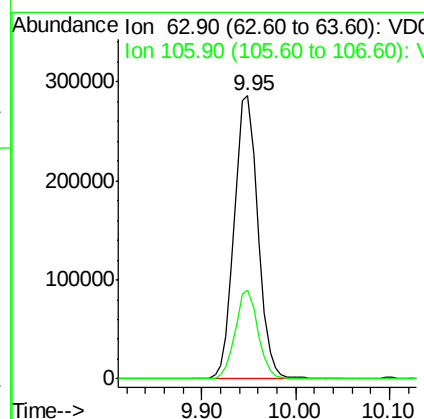
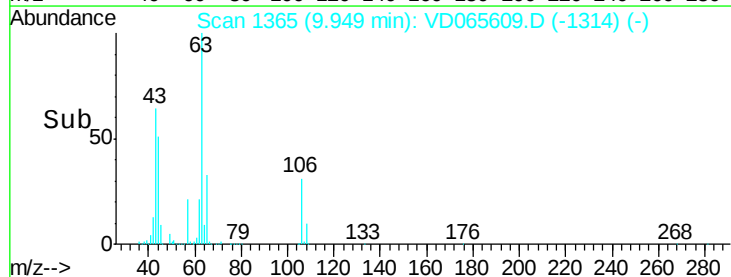
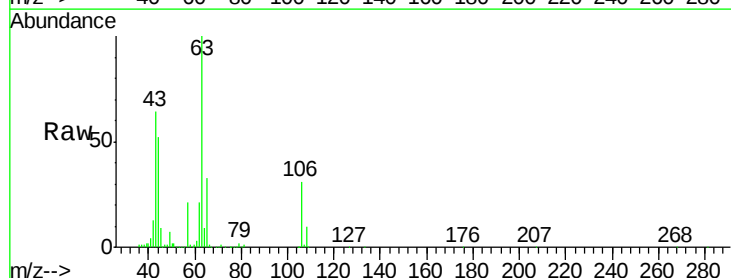
Manual Integrations
 APPROVED

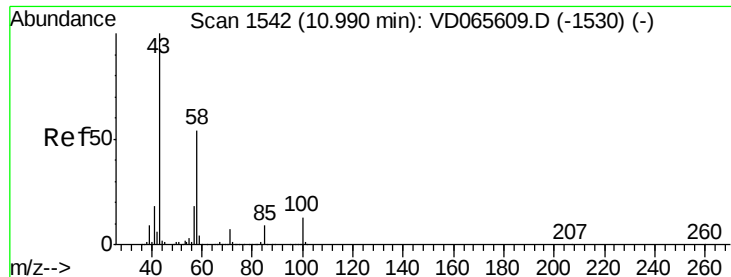
MMDadoda
 4/10/2020 2:58:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.790 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	24.2	36.2





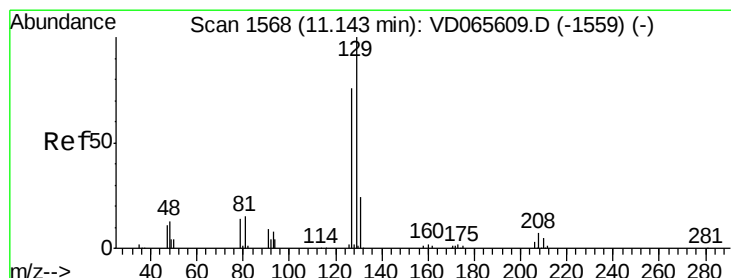
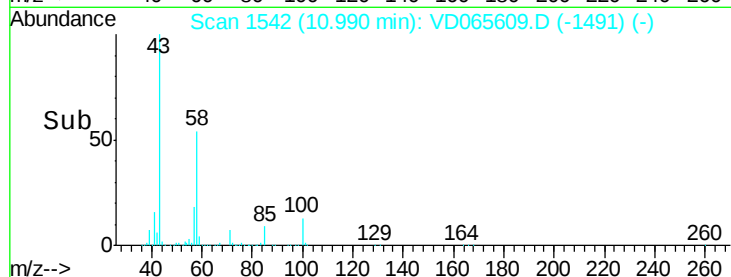
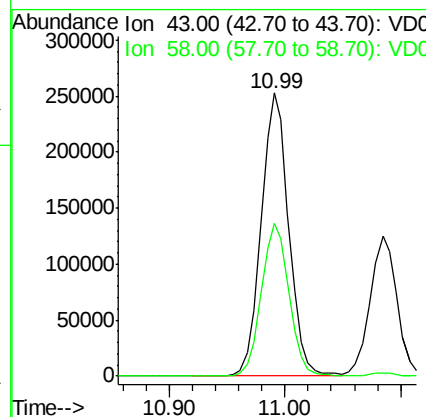
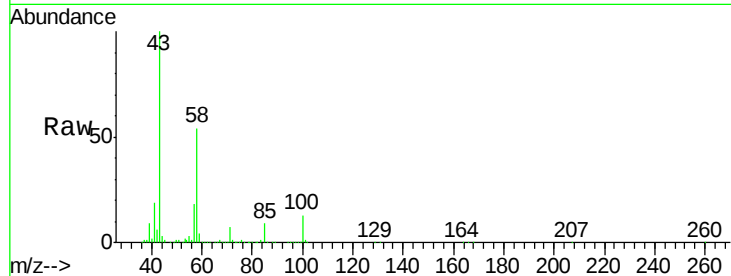
#59
2-Hexanone
Concen: 273.735 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.1	81.3

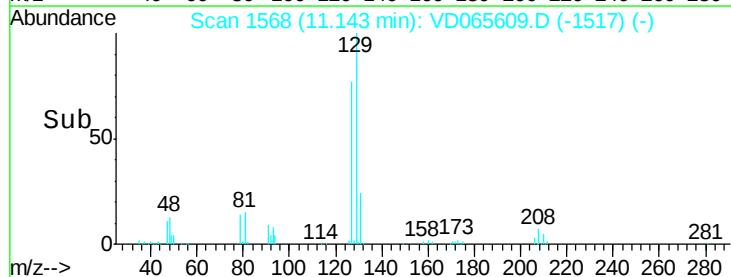
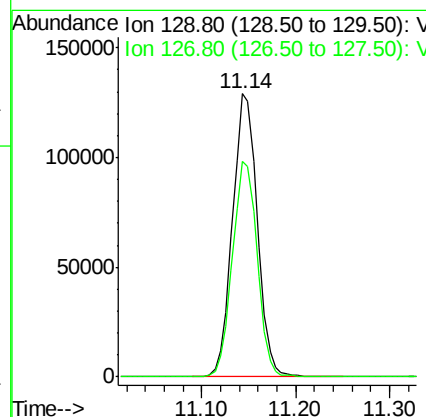
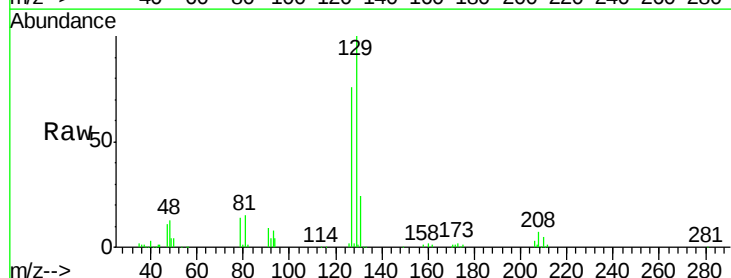
Manual Integrations
APPROVED

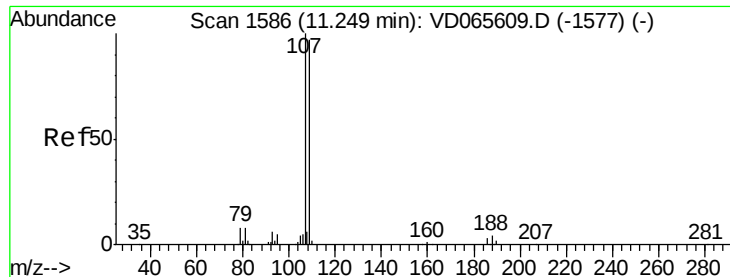
MMDadoda
4/10/2020 2:58:45 PM



#60
Dibromochloromethane
Concen: 51.157 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.1	114.3





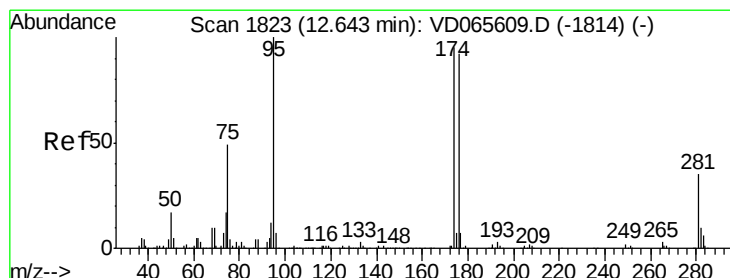
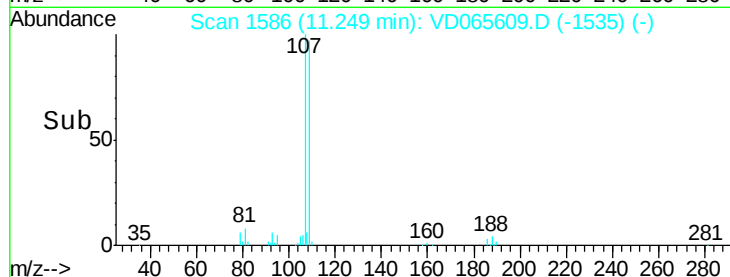
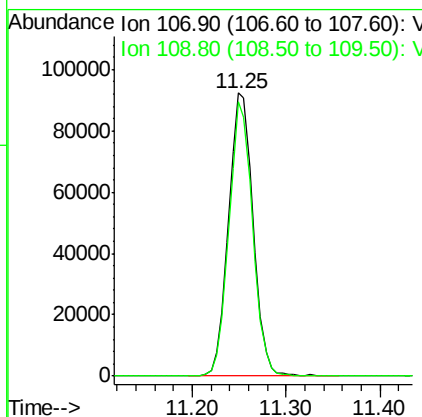
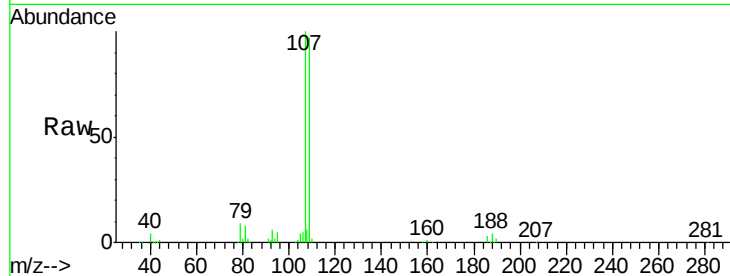
#61
 1,2-Dibromoethane
 Concen: 50.647 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.9	112.3

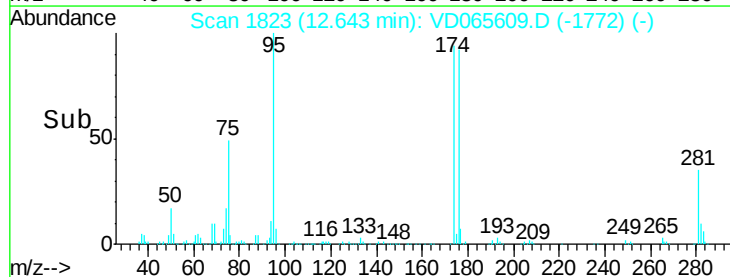
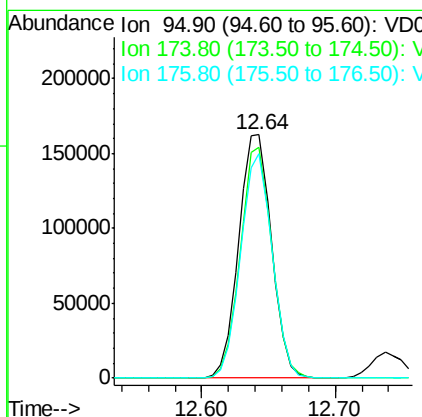
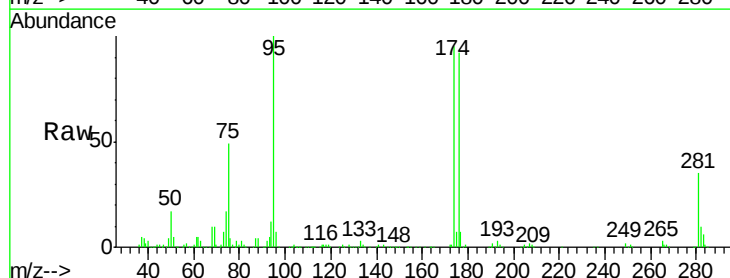
Manual Integrations
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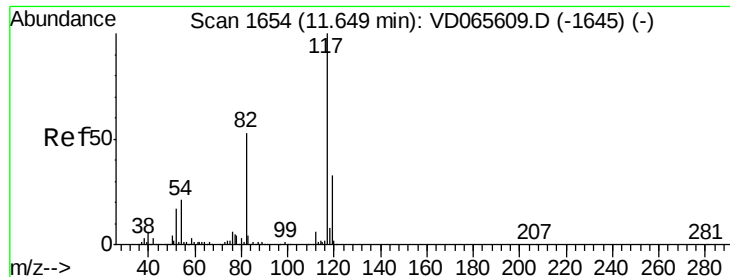
MMDadoda
 4/10/2020 2:58:45 PM



#62
 4-Bromofluorobenzene
 Concen: 52.435 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	182.8
176	88.3	0.0	176.6





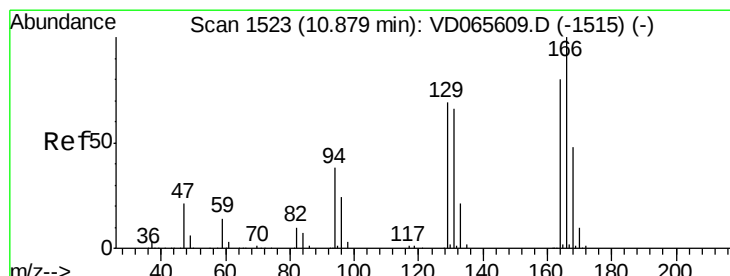
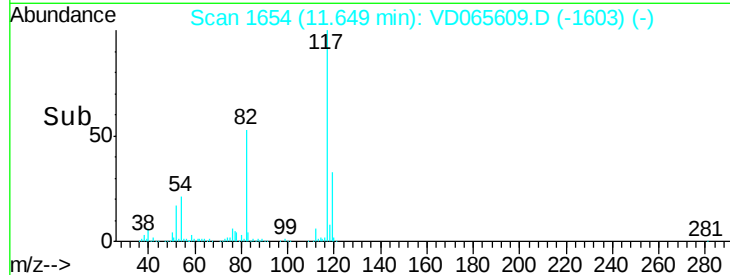
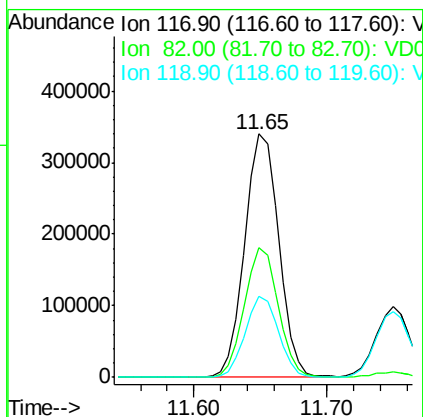
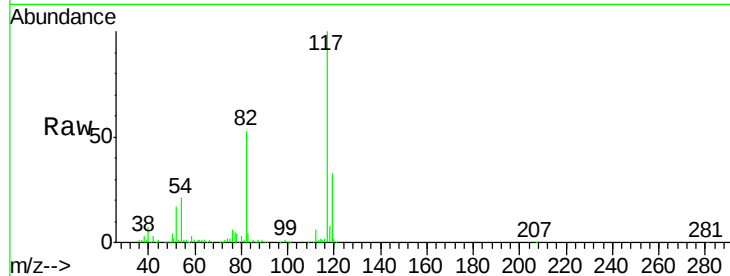
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.6	64.0
119	33.4	26.7	40.1

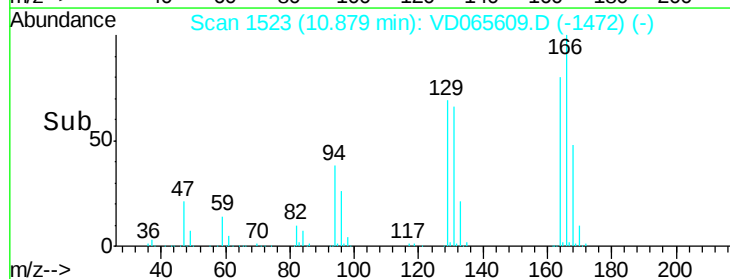
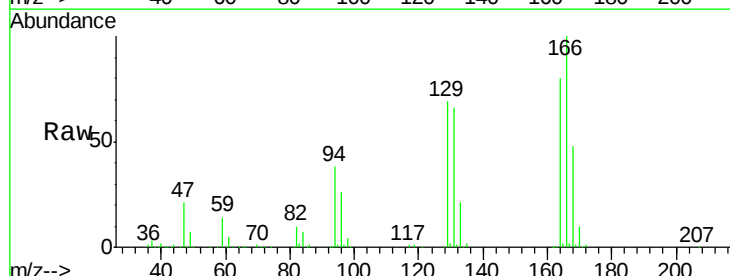
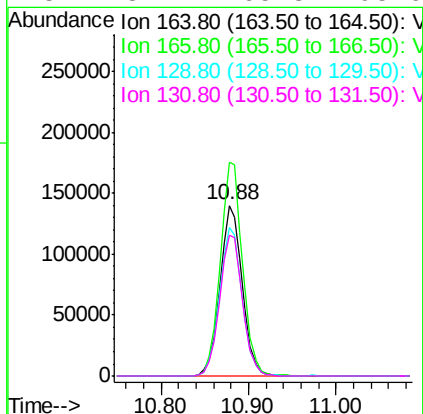
Manual Integrations
APPROVED

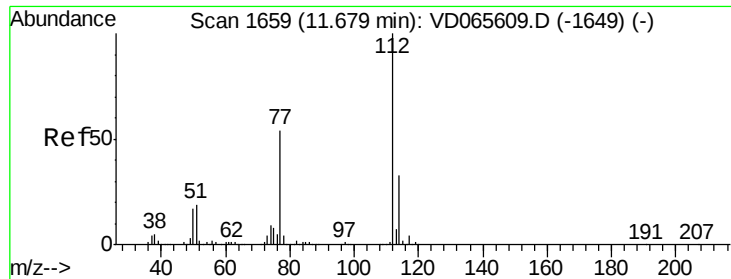
MMDadoda
4/10/2020 2:58:45 PM



#64
Tetrachloroethene
Concen: 51.481 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.2	150.2
129	86.9	69.5	104.3
131	82.2	65.8	98.6





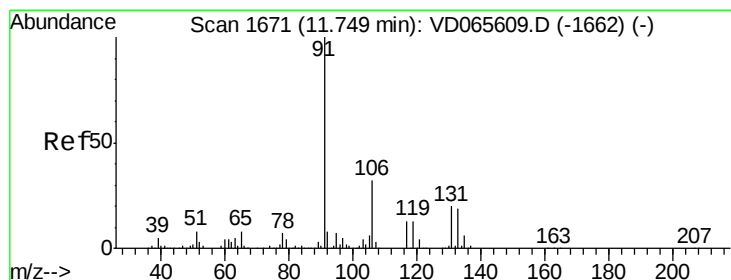
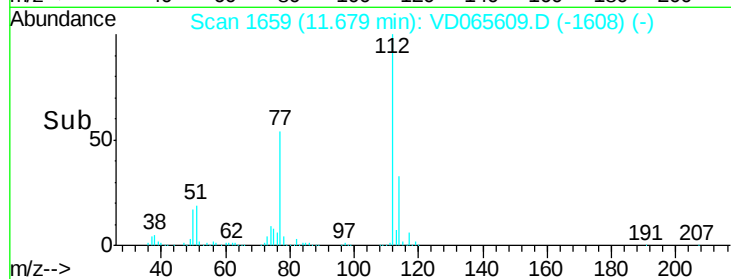
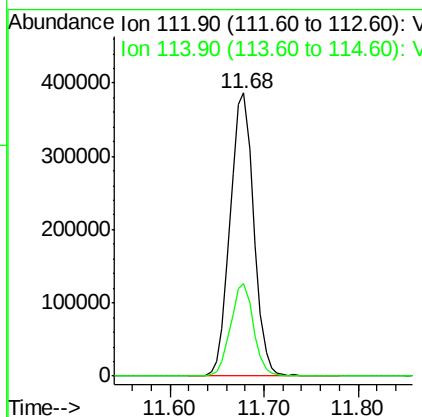
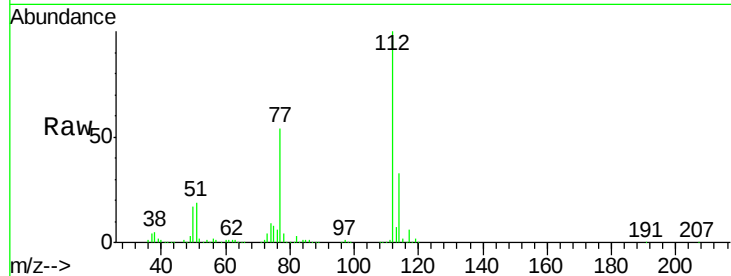
#65
Chlorobenzene
Concen: 51.794 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.2	39.2

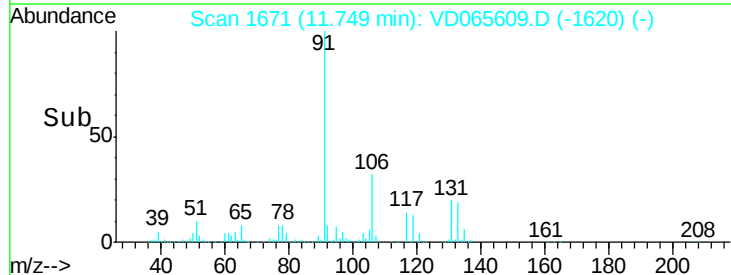
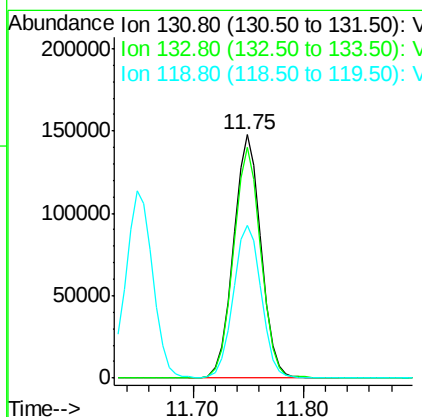
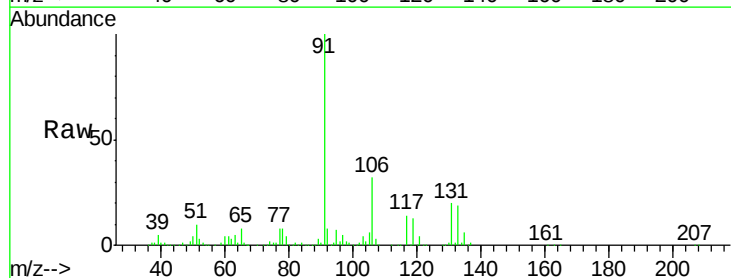
Manual Integrations
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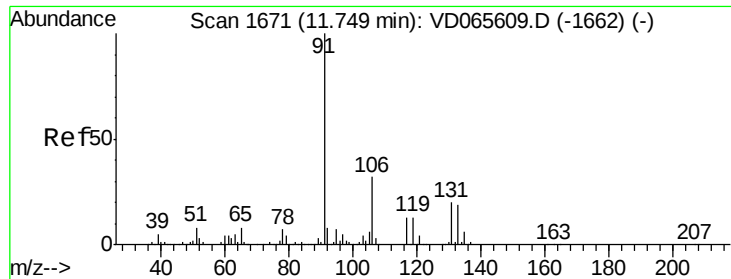
MMDadoda
4/10/2020 2:58:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.063 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	142.0
119	63.9	31.9	95.9





#67

Ethyl Benzene

Concen: 55.232 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1186444

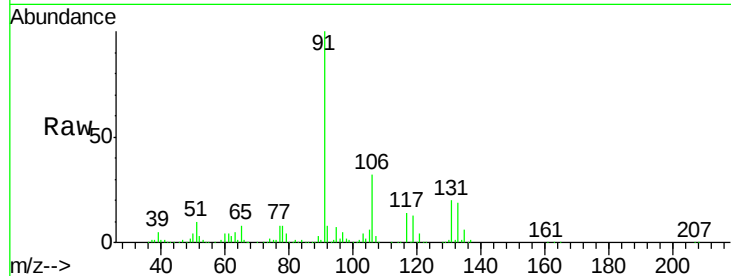
Ion Ratio Lower Upper

91 100

106 32.0 25.6 38.4

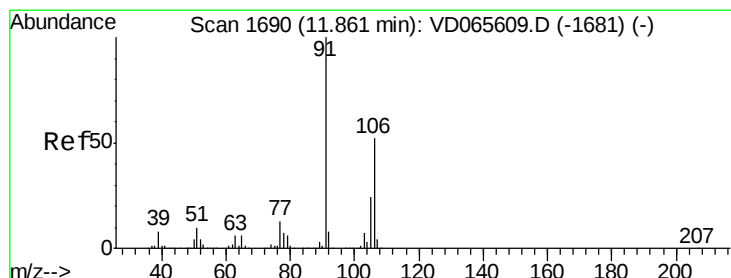
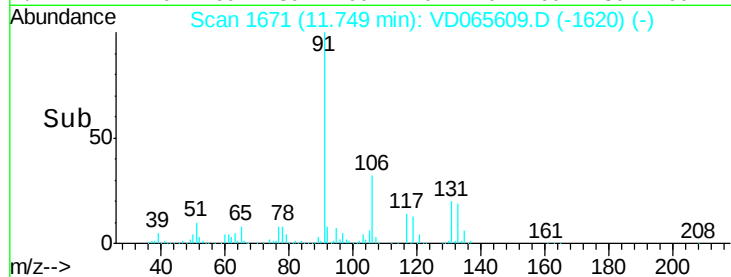
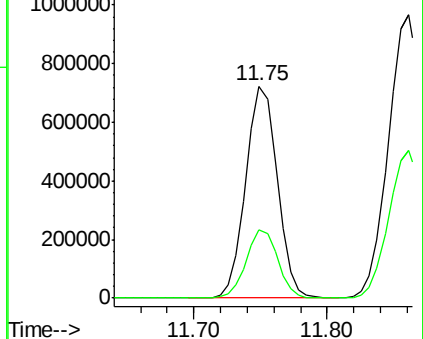
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 111.401 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065609.D

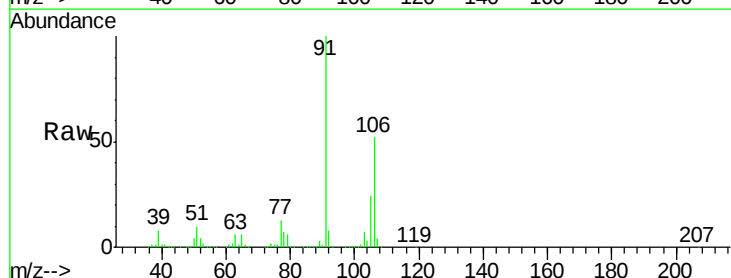
Acq: 09 Apr 2020 12:03

Tgt Ion: 106 Resp: 944114

Ion Ratio Lower Upper

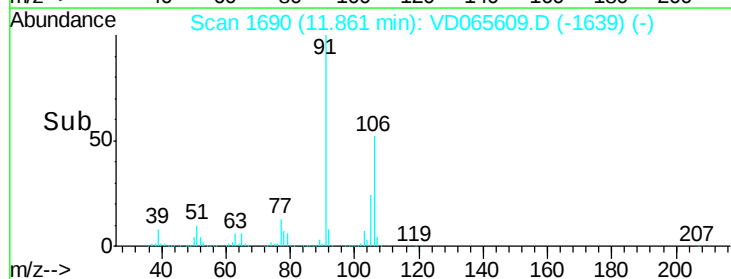
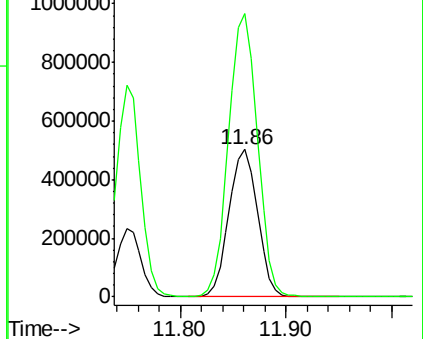
106 100

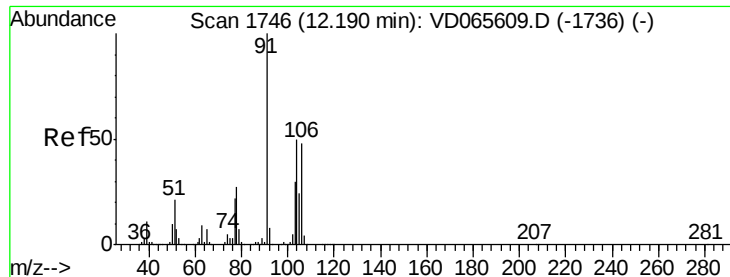
91 193.7 155.0 232.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





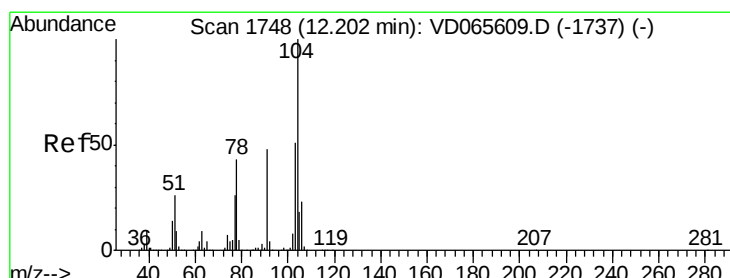
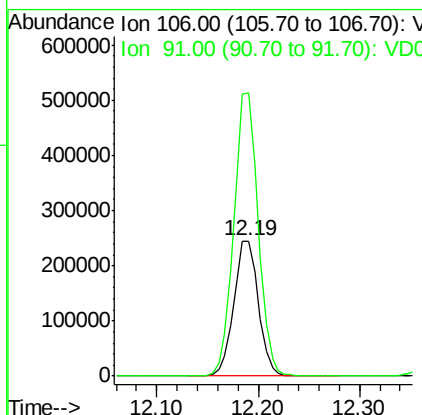
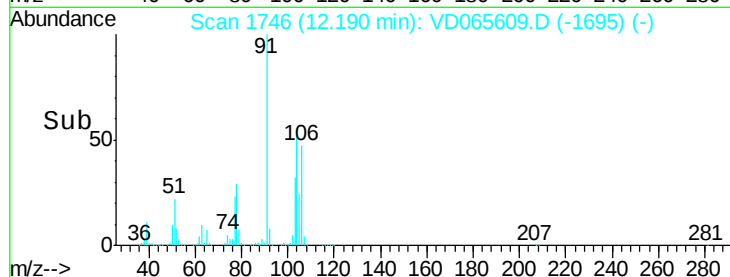
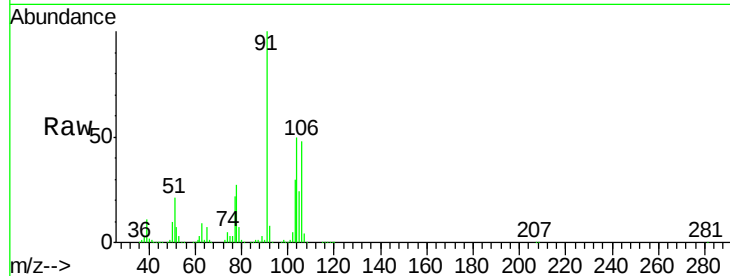
#69
o-Xylene
Concen: 56.469 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.5	103.8	311.3

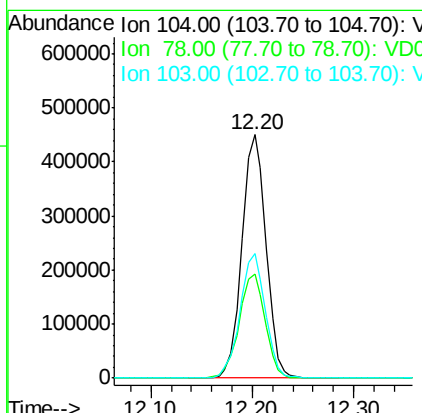
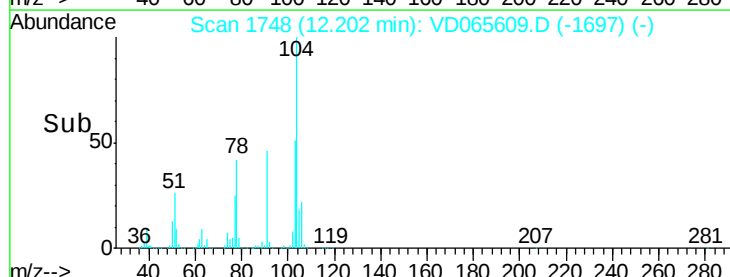
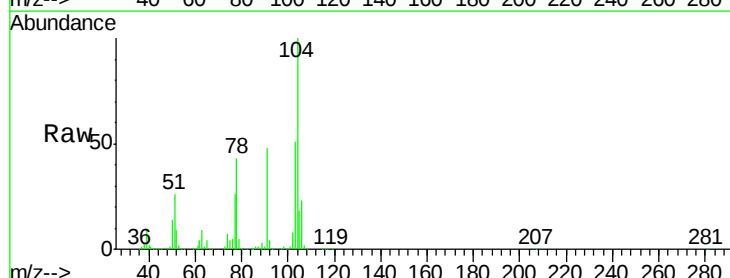
Manual Integrations
APPROVED

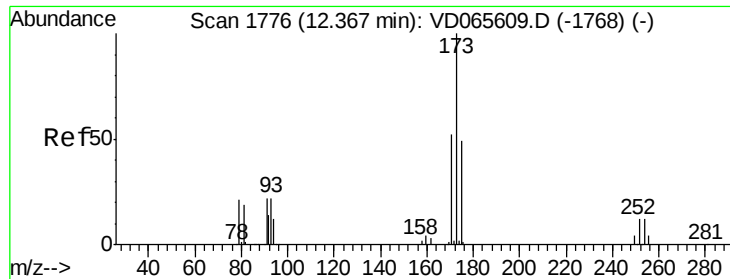
MMDadoda
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#70
Styrene
Concen: 57.530 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.4	37.1	55.7
103	54.0	43.2	64.8





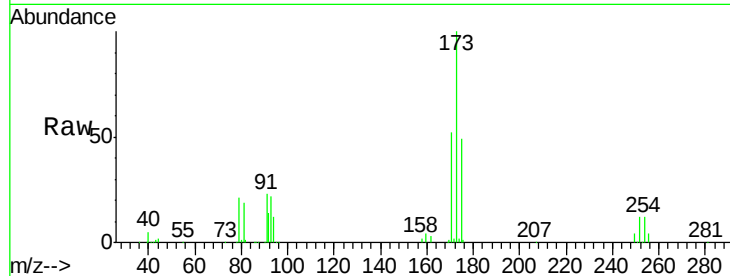
#71
Bromoform
Concen: 50.165 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
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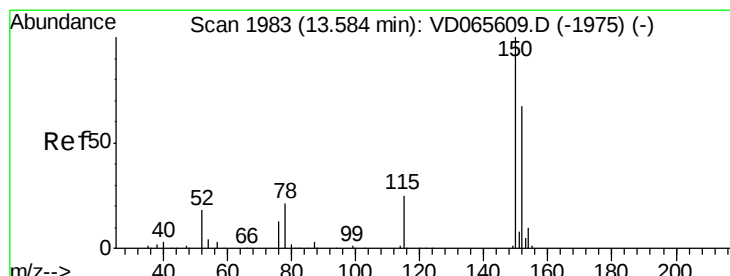
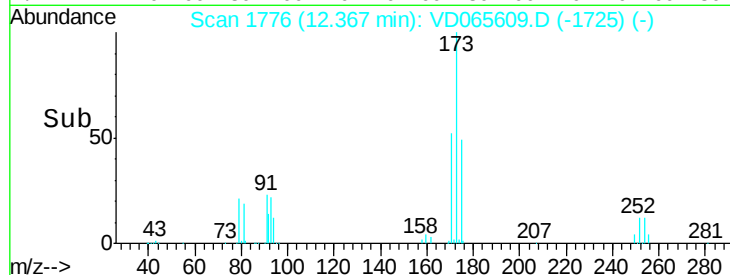
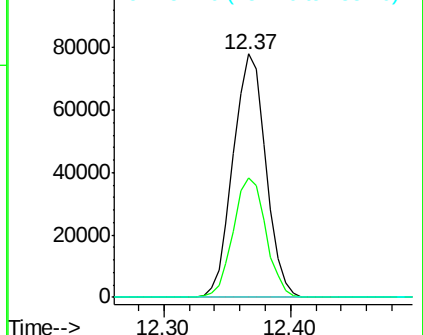


Abundance

Ion 172.70 (172.40 to 173.40): V

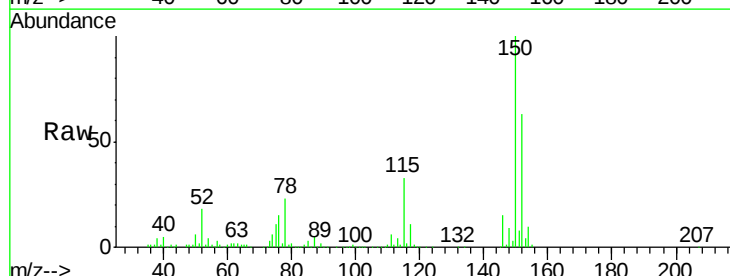
Ion 174.70 (174.40 to 175.40): V

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: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.1	81.2
150	174.1	0.0	348.2

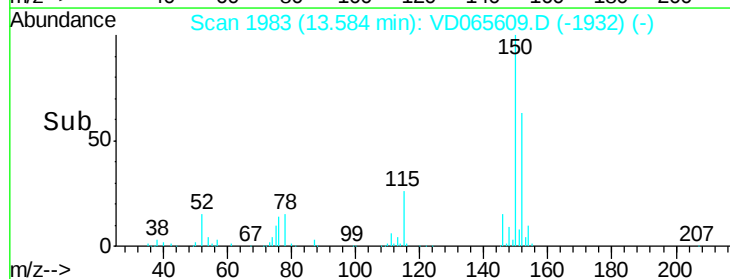
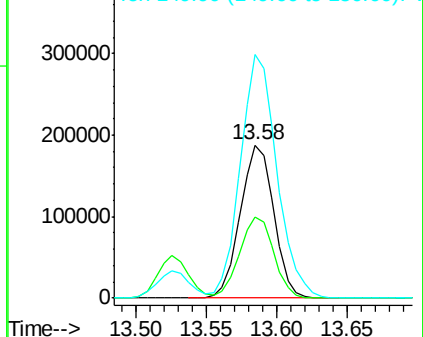


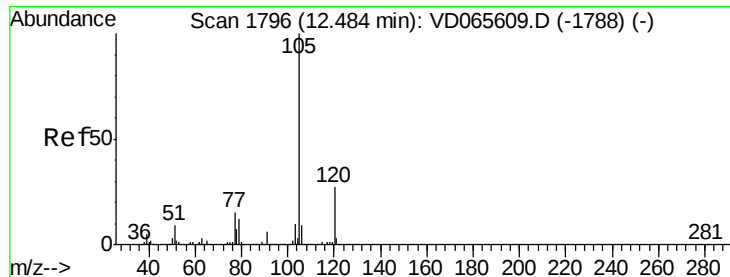
Abundance

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: 56.463 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1119578

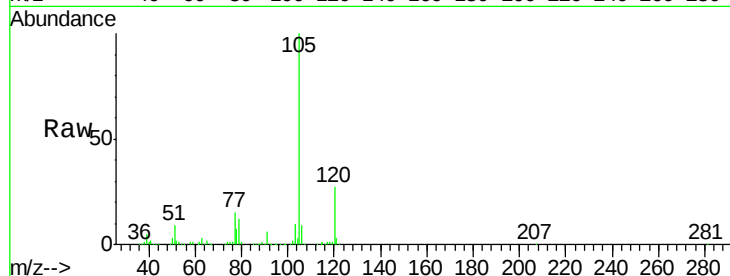
Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

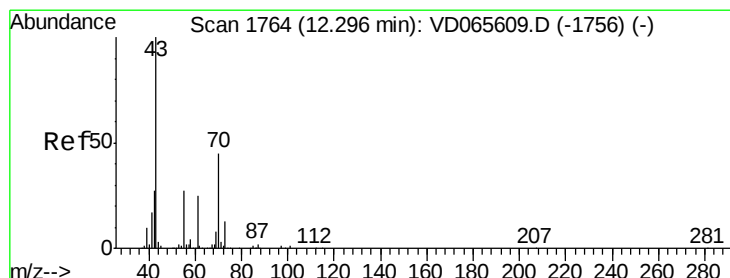
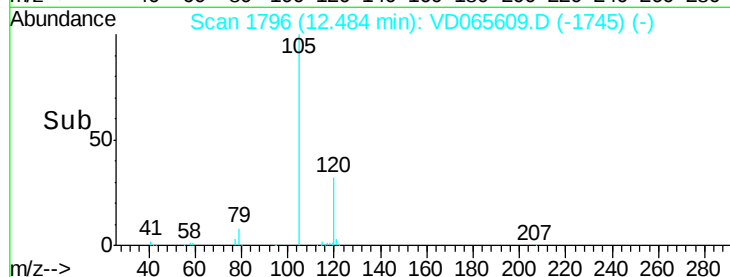
0

12.40

12.50

12.60

Time-->



#74

N-ethyl acetate

Concen: 54.939 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Tgt Ion: 43 Resp: 215740

Ion Ratio Lower Upper

43 100

70 44.0 35.2 52.8

55 28.1 22.5 33.7

61 24.2 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

200000

150000

100000

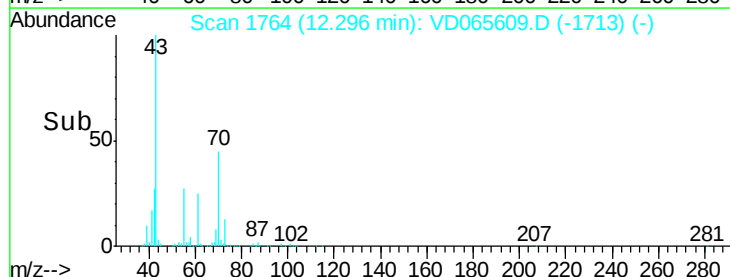
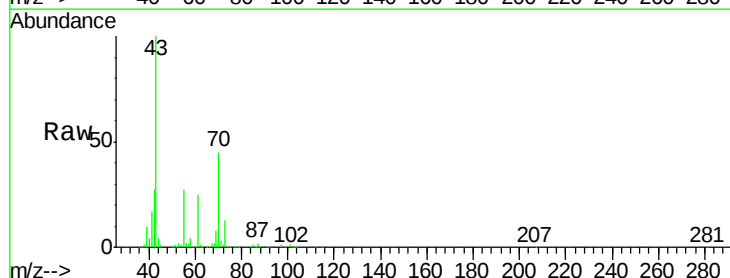
50000

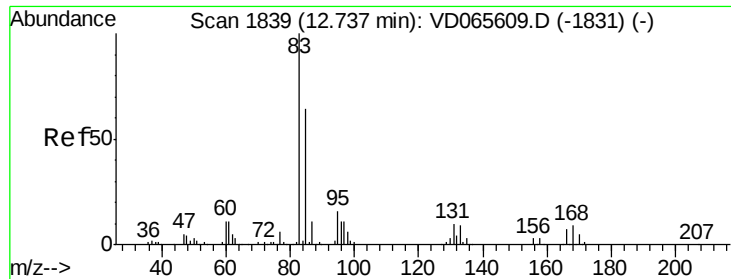
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.985 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

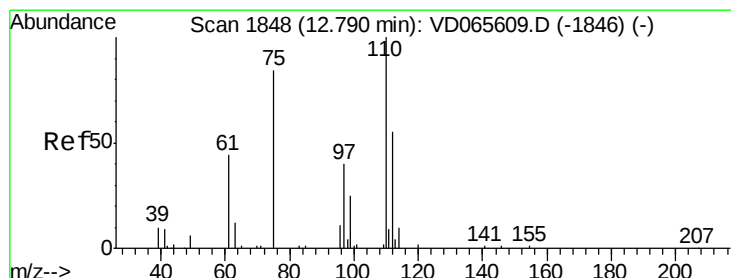
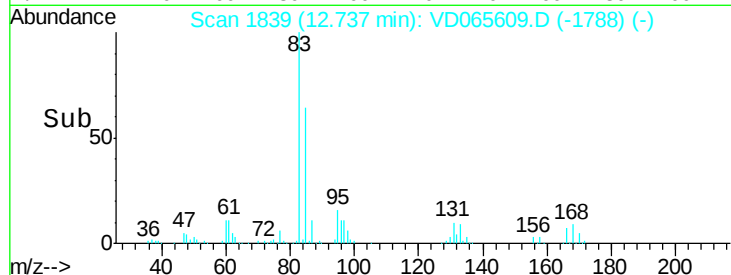
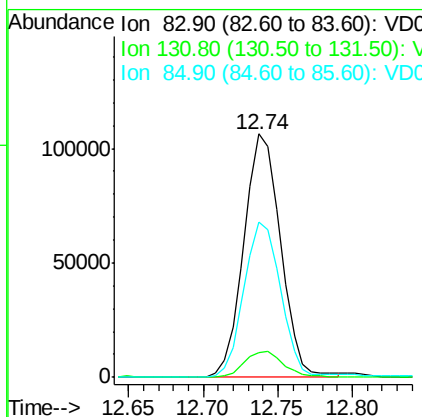
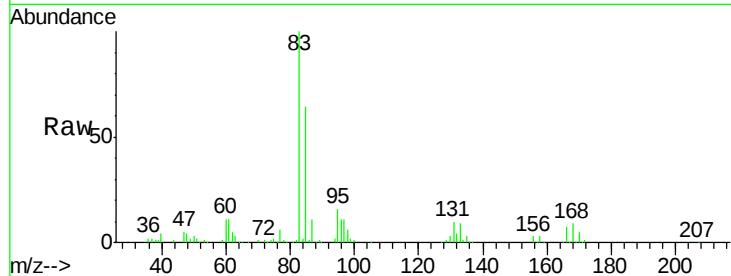
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	182194
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.0
85	63.6	31.8	95.4

Manual Integrations
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4/10/2020 2:58:45 PM



#76

1,2,3-Trichloropropane

Concen: 30.676 ug/l m

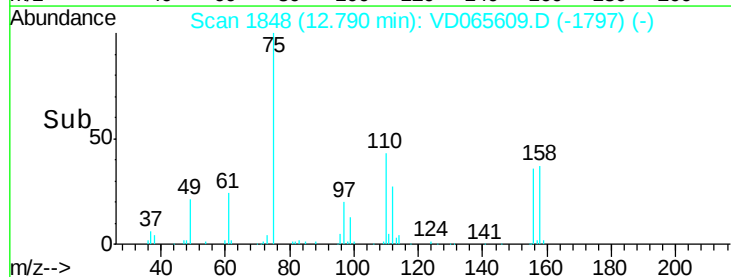
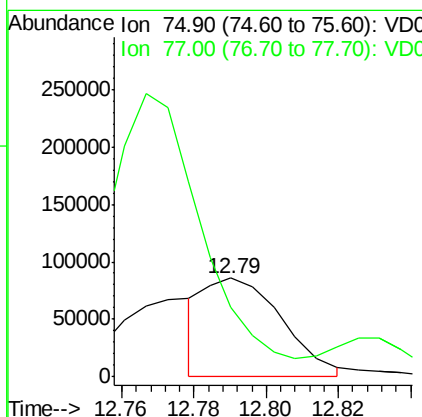
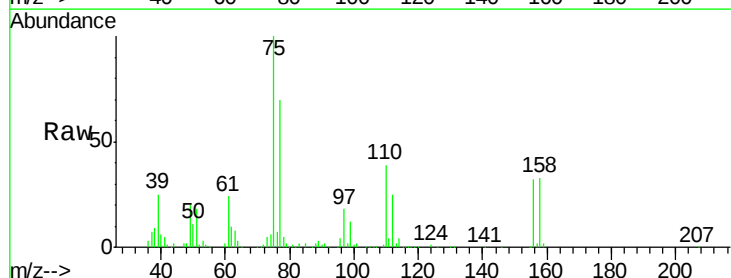
RT: 12.79 min Scan# 1848

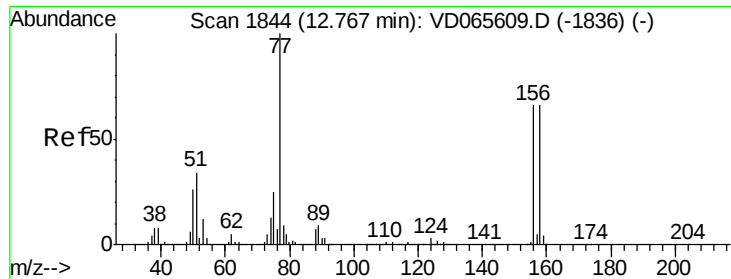
Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Tgt Ion:	75	Resp:	128261
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





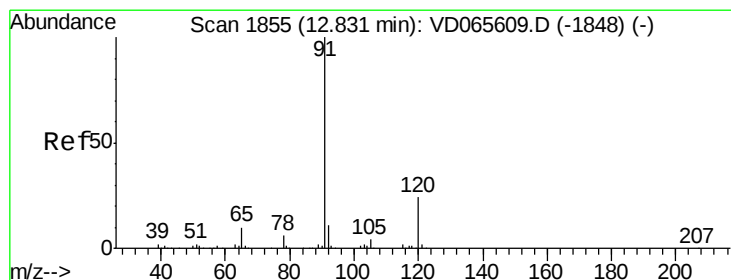
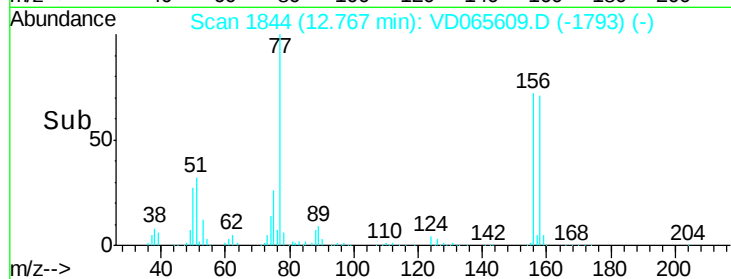
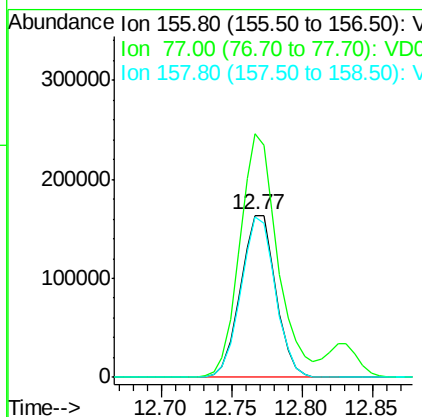
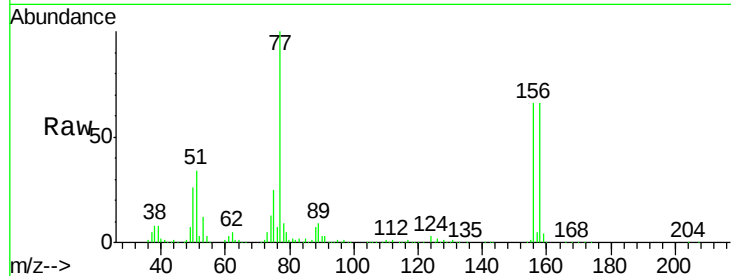
#77
Bromobenzene
Concen: 52.470 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.6	80.3	240.9
158	97.0	48.5	145.5

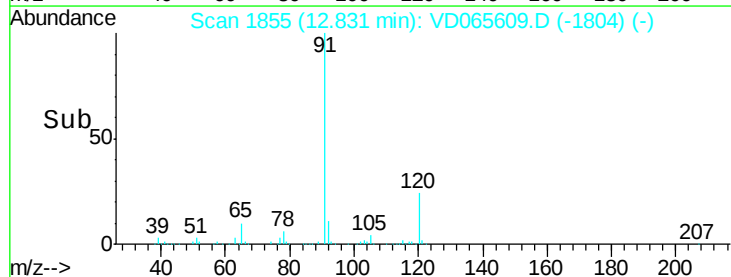
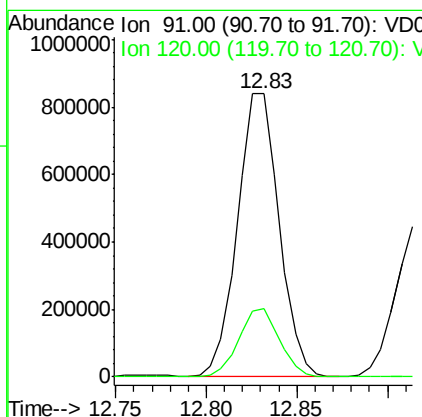
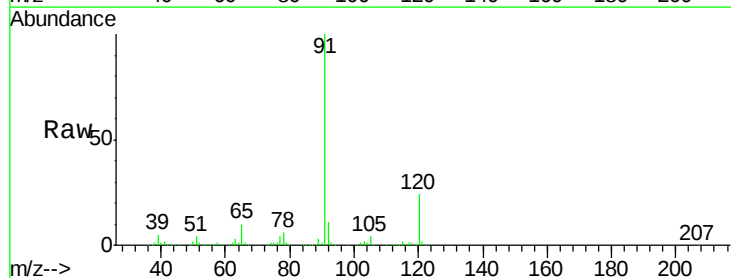
Manual Integrations
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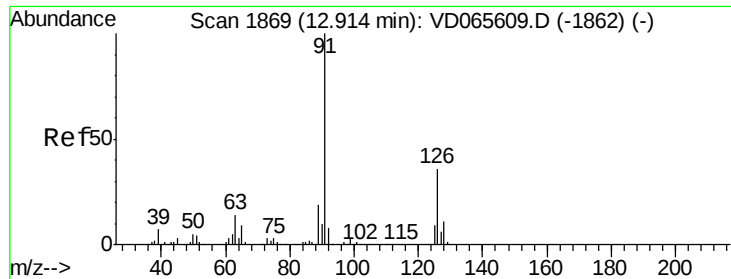
MMDadoda
4/10/2020 2:58:45 PM



#78
n-propylbenzene
Concen: 56.068 ug/l
RT: 12.83 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5





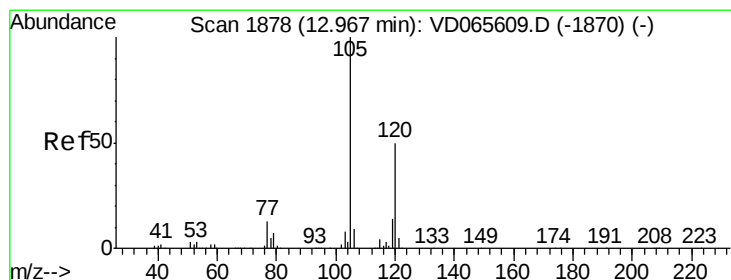
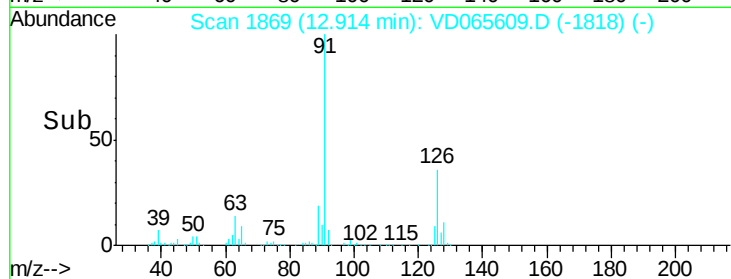
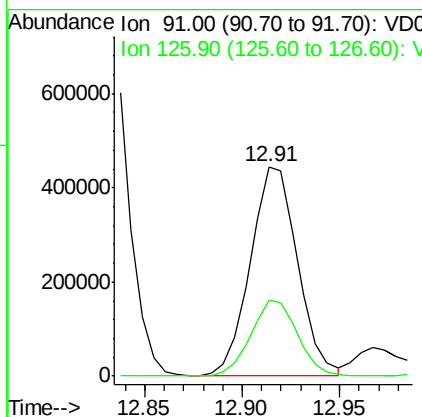
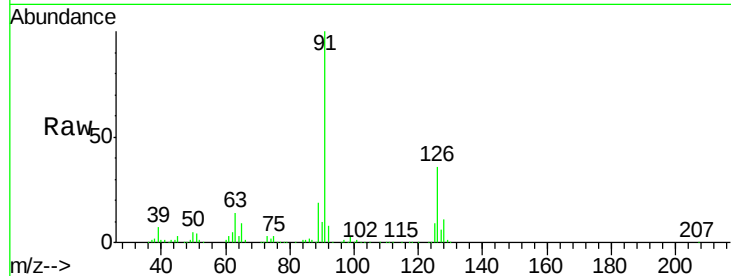
#79
 2-Chlorotoluene
 Concen: 54.366 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 745621
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.0 54.0

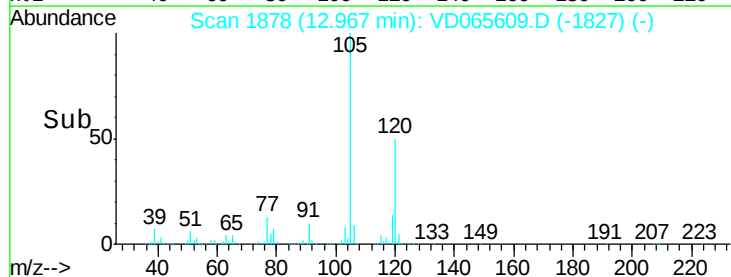
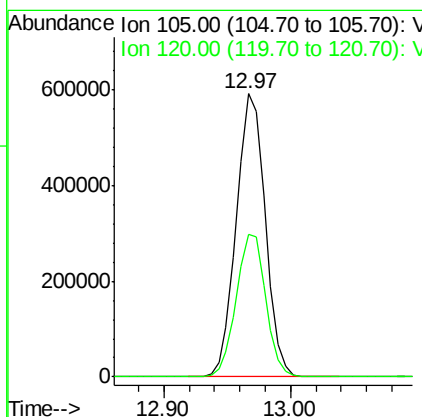
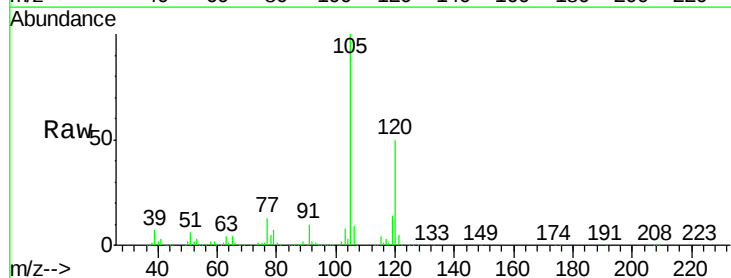
Manual Integrations
 APPROVED

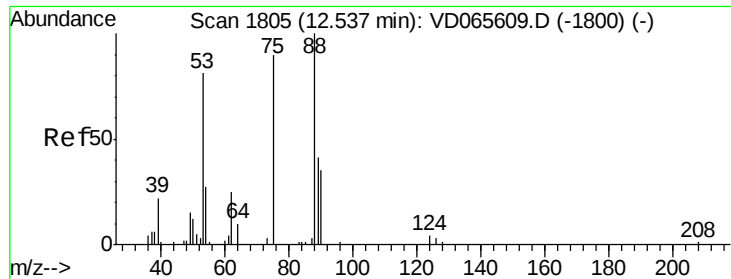
MMDadoda
 4/10/2020 2:58:45 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 56.029 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Tgt Ion: 105 Resp: 936362
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.7 77.0





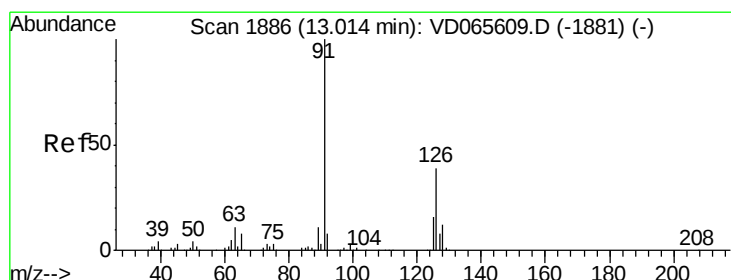
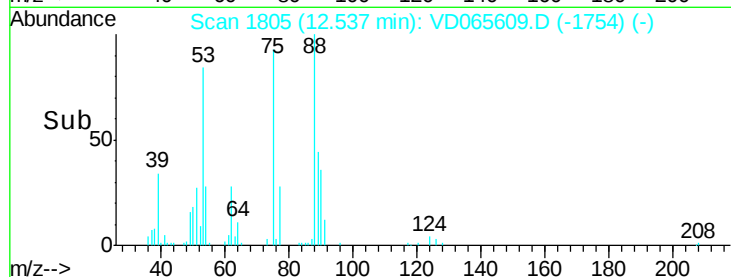
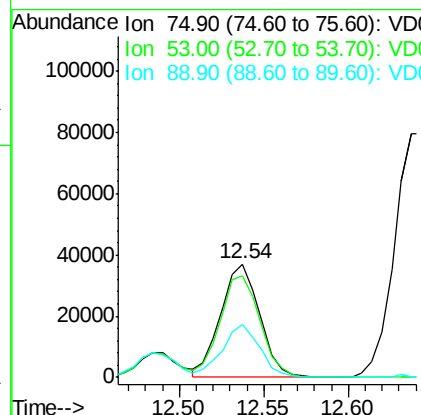
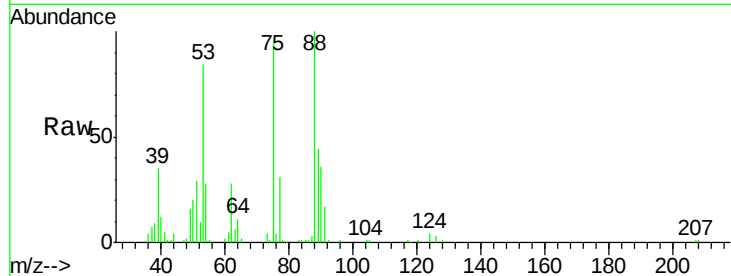
#81
trans-1,4-Dichloro-2-butene
Concen: 55.553 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.3	73.8	110.8
89	45.1	36.1	54.1

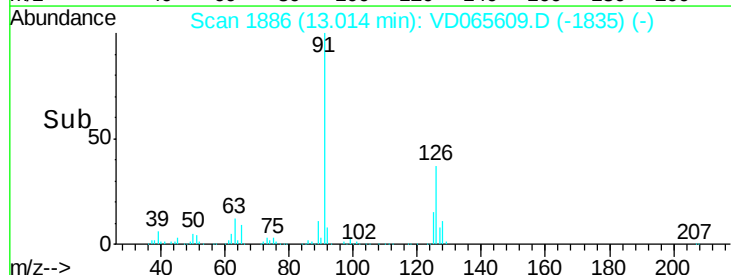
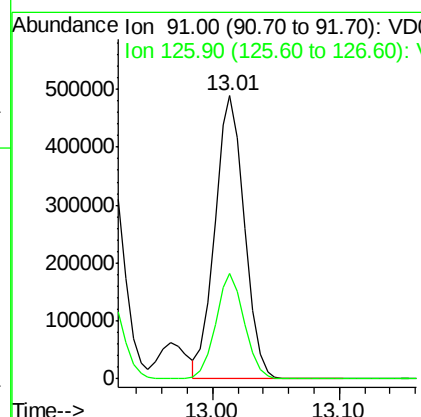
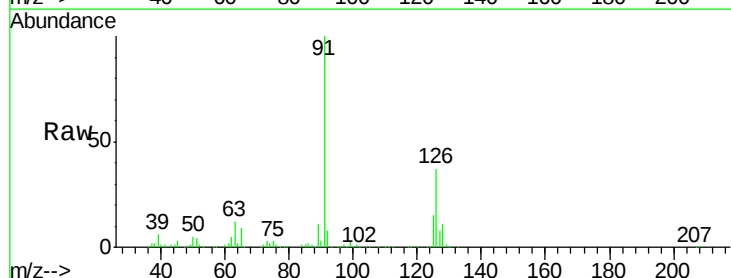
Manual Integrations
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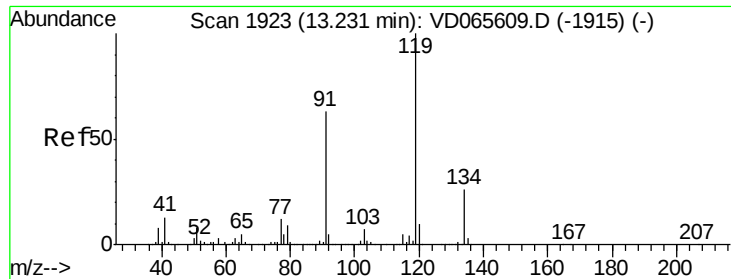
MMDadoda
4/10/2020 2:58:45 PM



#82
4-Chlorotoluene
Concen: 53.421 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.1	54.4





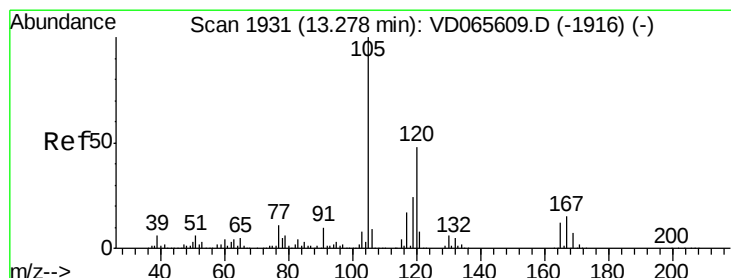
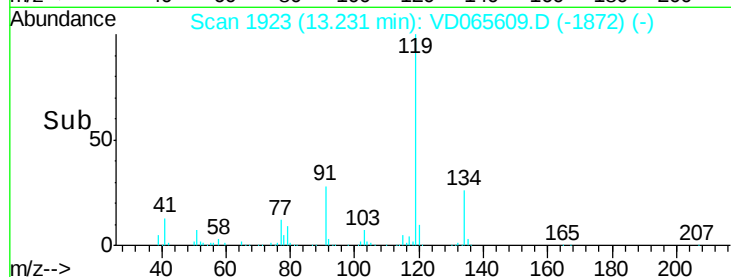
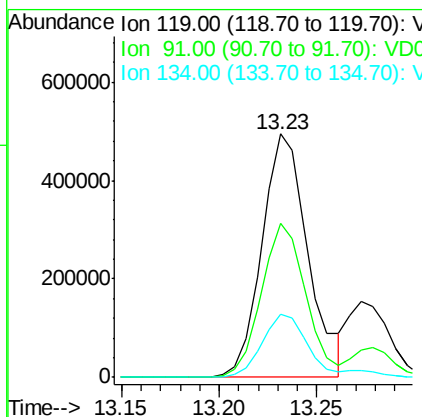
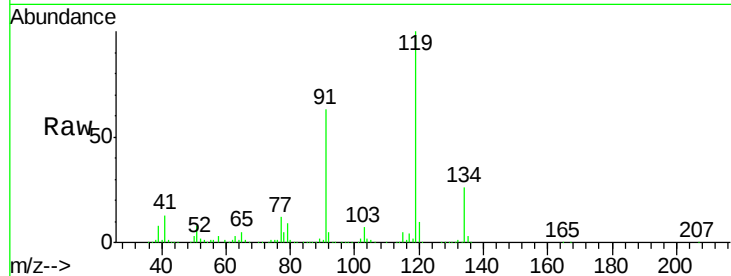
#83
tert-Butylbenzene
Concen: 58.050 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.8	30.4	91.2
134	27.3	13.7	41.0

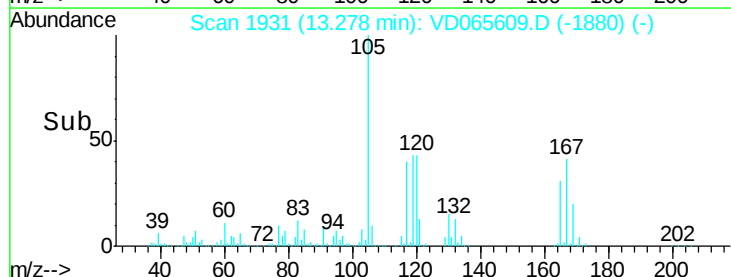
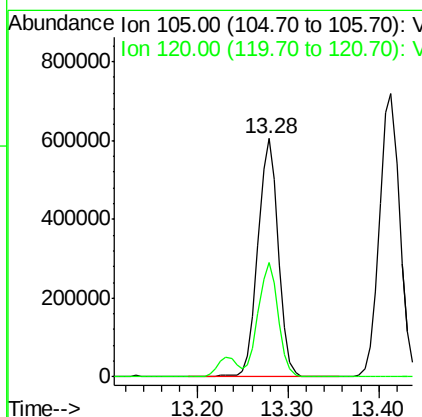
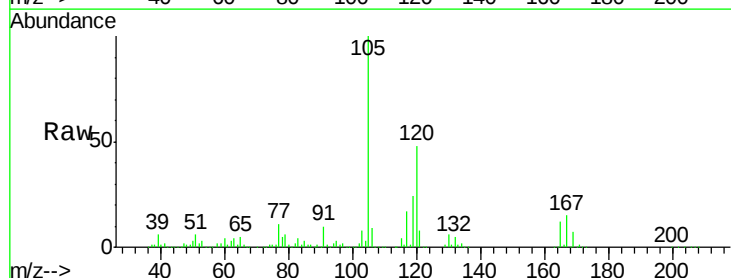
Manual Integrations
APPROVED

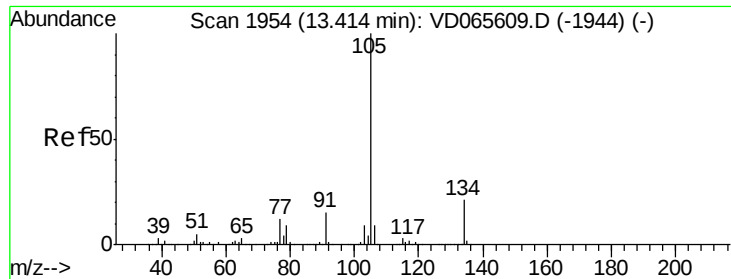
MMDadoda
4/10/2020 2:58:45 PM



#84
1,2,4-Trimethylbenzene
Concen: 56.737 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.5	70.6





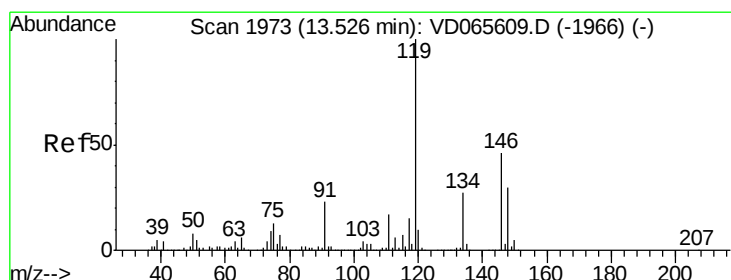
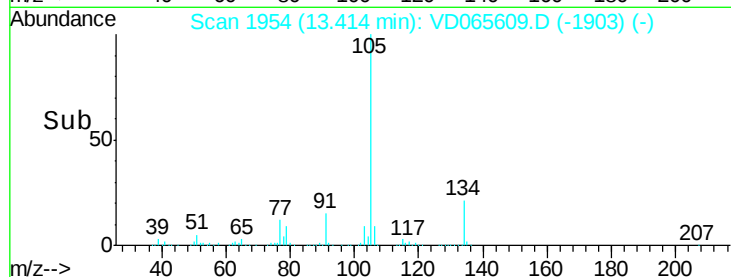
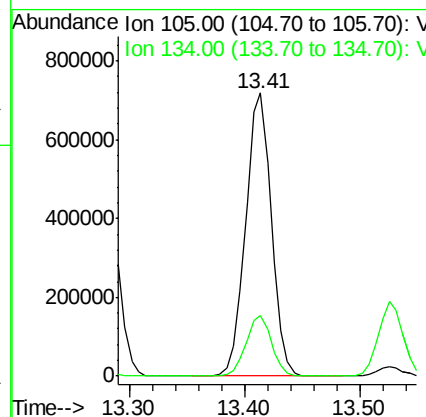
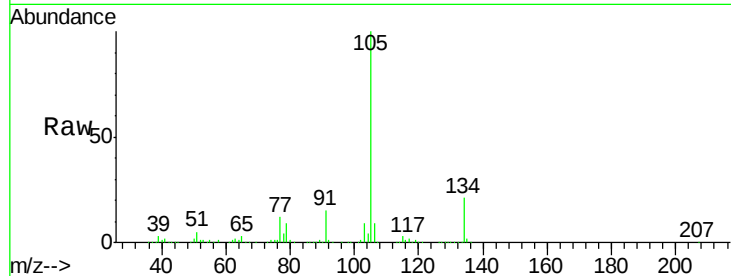
#85
 sec-Butylbenzene
 Concen: 55.771 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1109000
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.7 31.9

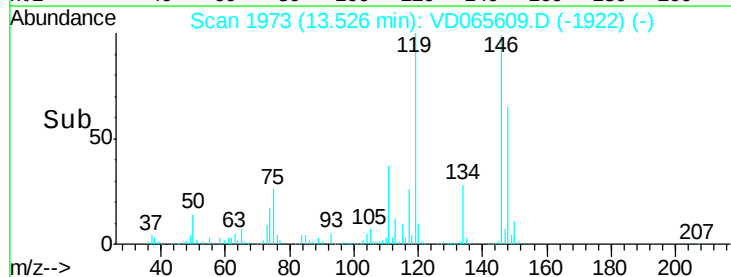
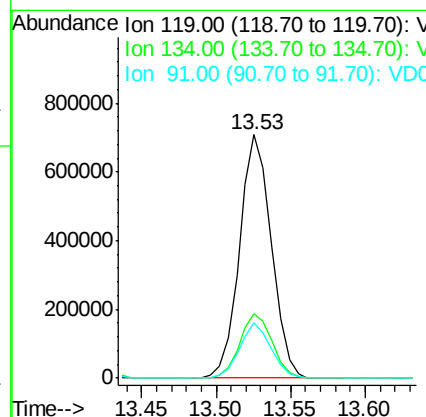
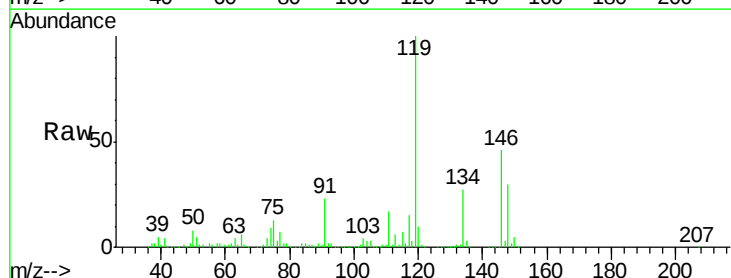
Manual Integrations
 APPROVED

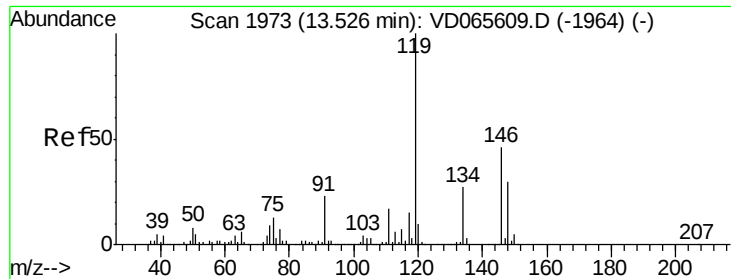
MMDadoda
 4/10/2020 2:58:45 PM



#86
 p-Isopropyltoluene
 Concen: 56.983 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Tgt Ion:119 Resp: 1045656
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.4
 91 22.1 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 51.096 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

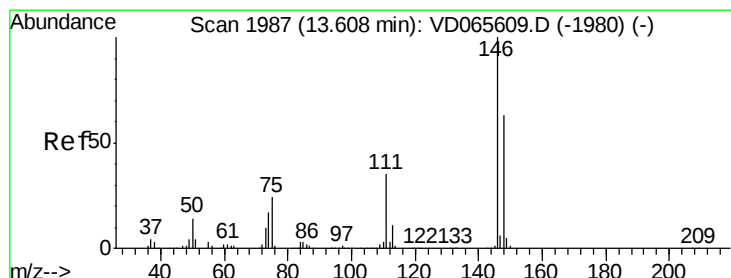
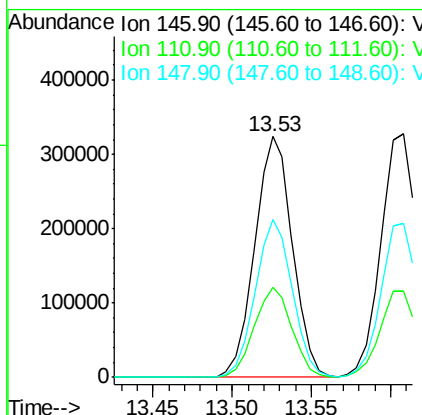
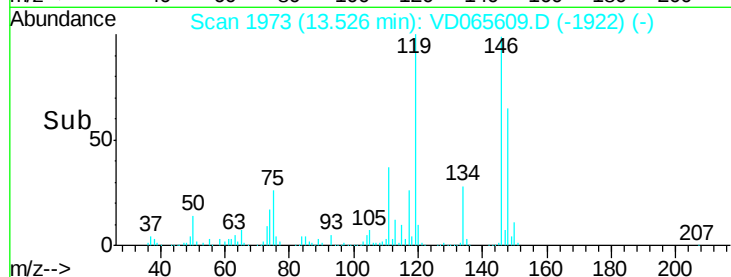
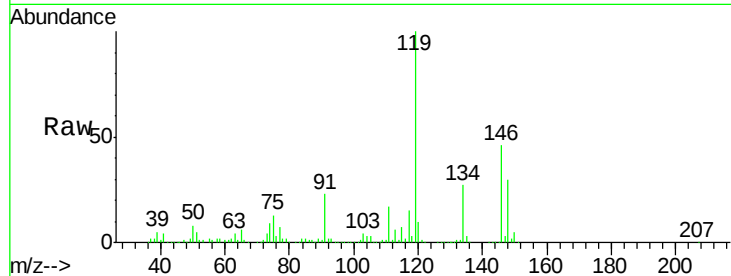
Instrument :
MSVOA_D

ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.3	32.1	96.5

Manual Integrations
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MMDadoda
4/10/2020 2:58:45 PM



#88

1,4-Dichlorobenzene

Concen: 50.796 ug/l

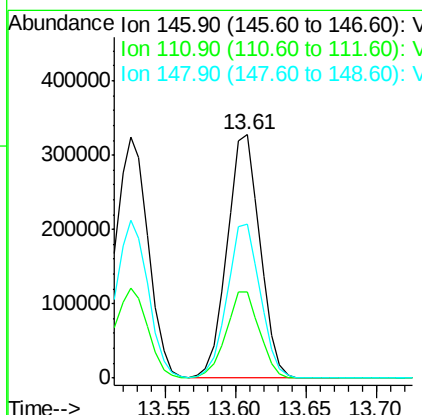
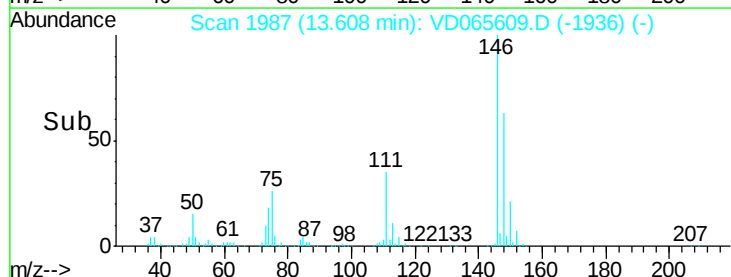
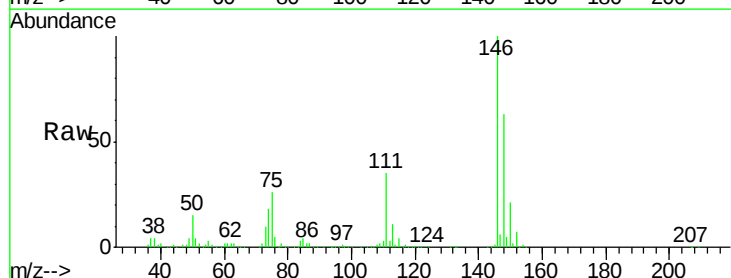
RT: 13.61 min Scan# 1987

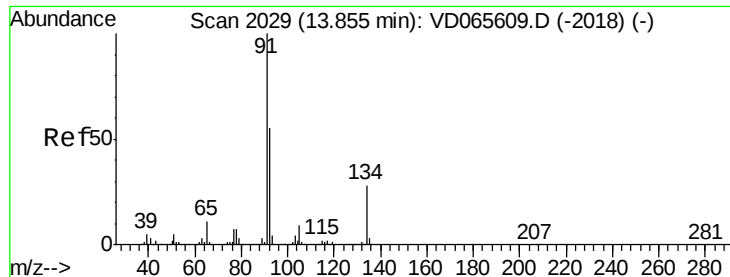
Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.0	54.0
148	63.6	31.8	95.4





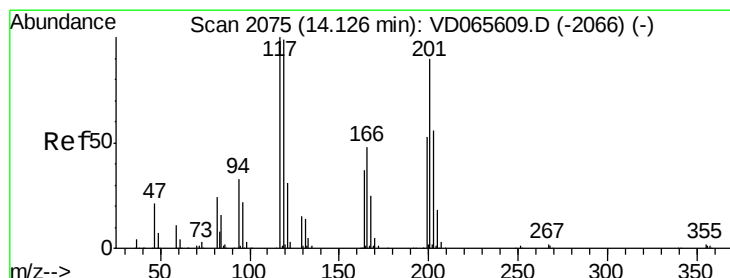
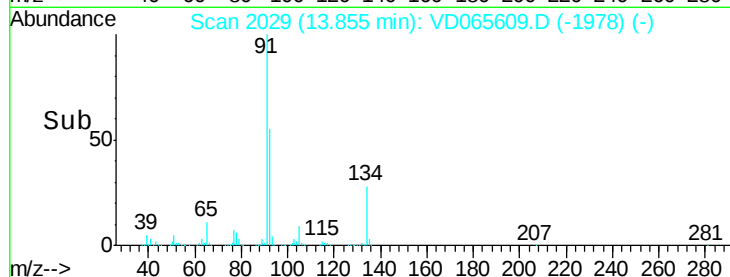
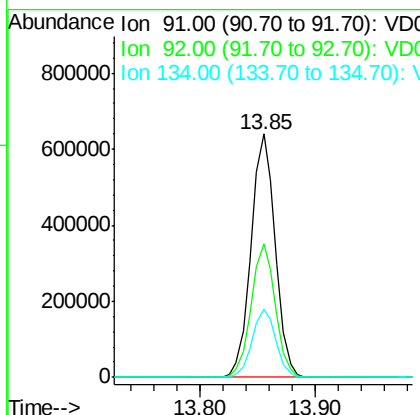
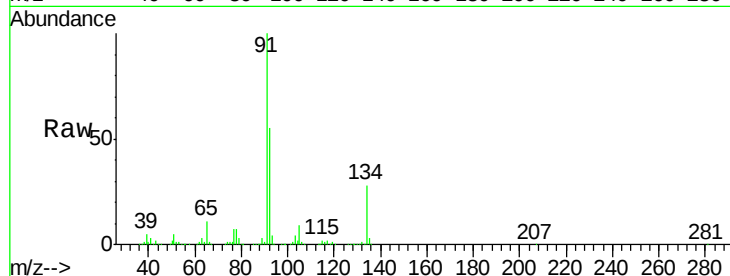
#89
n-Butylbenzene
Concen: 56.196 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.4	27.2	81.6	
134	27.8	13.9	41.7	

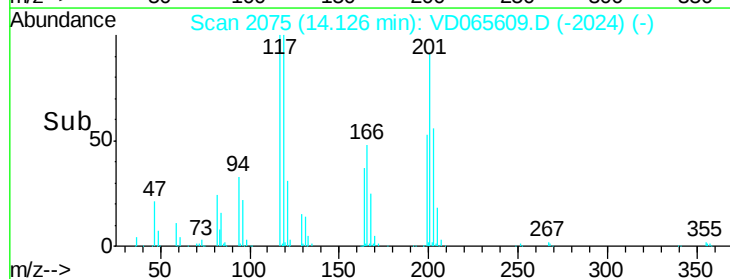
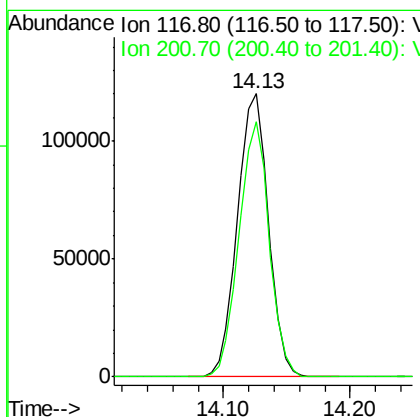
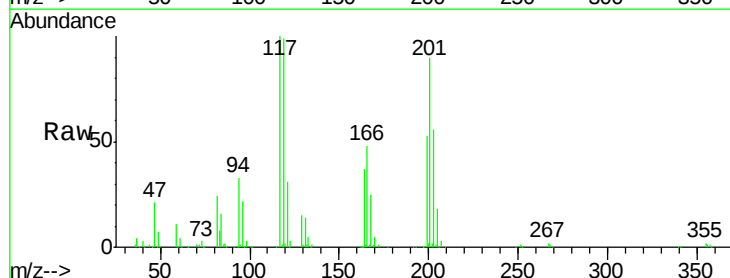
Manual Integrations
APPROVED

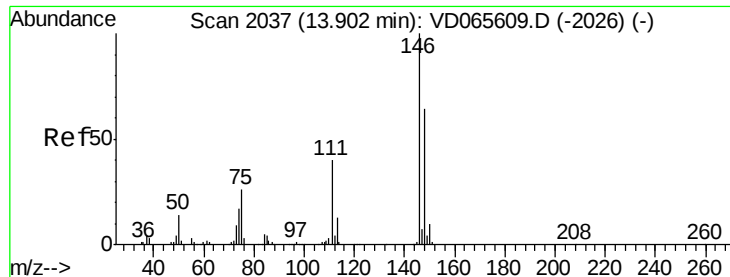
MMDadoda
4/10/2020 2:58:45 PM



#90
Hexachloroethane
Concen: 51.004 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.8	43.9	131.7	





#91

1,2-Dichlorobenzene

Concen: 51.646 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

Instrument :

MSVOA_D

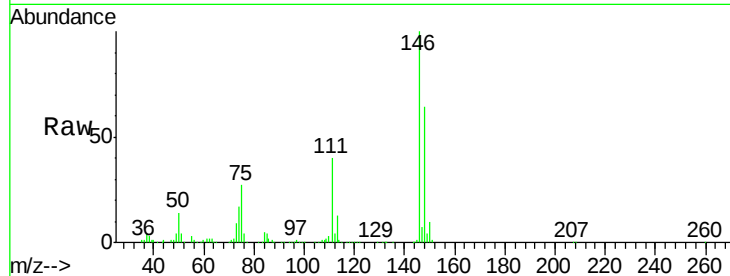
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	460592
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.1	57.5
148	63.6	31.8	95.4

Manual Integrations
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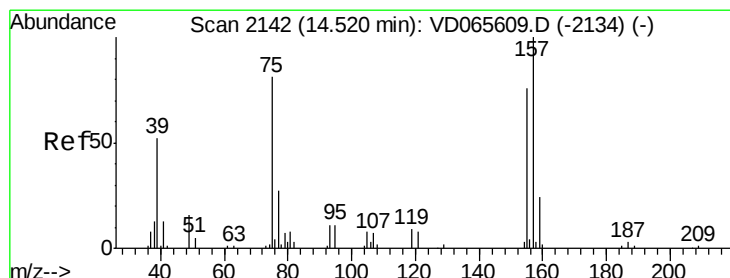
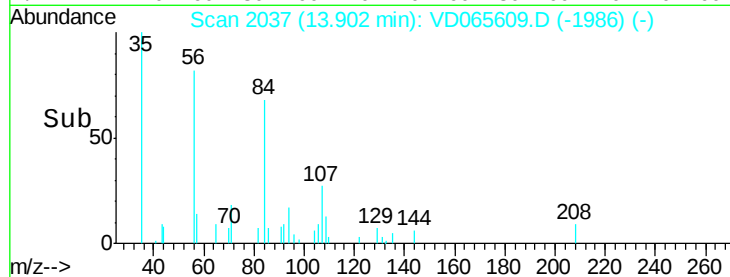
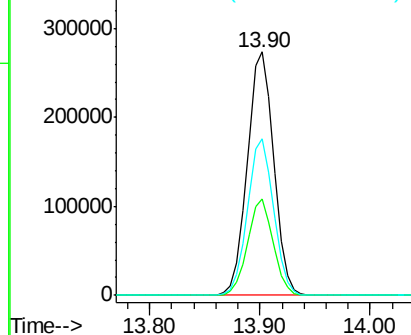
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.935 ug/l

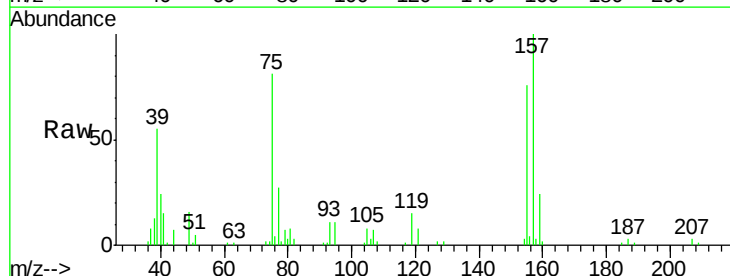
RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD065609.D

Acq: 09 Apr 2020 12:03

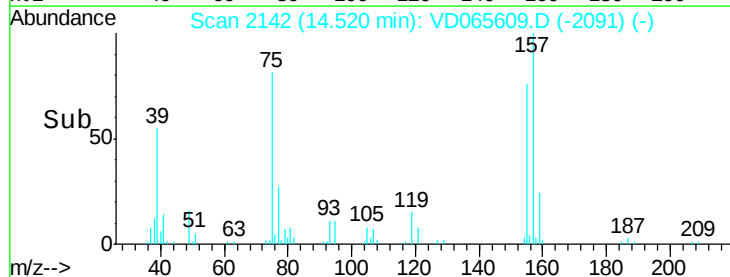
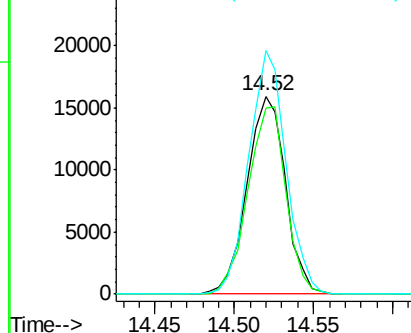
Tgt Ion:	75	Resp:	26951
Ion Ratio	Lower	Upper	
75	100		
155	93.6	46.8	140.4
157	119.1	59.6	178.7

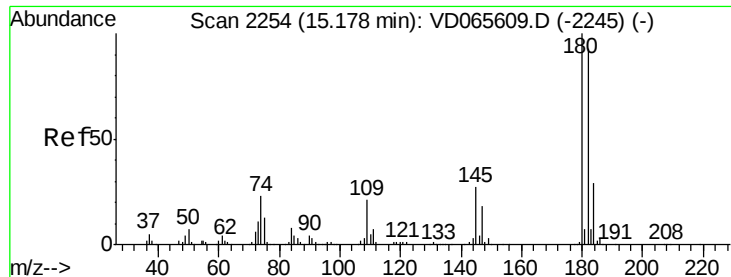


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





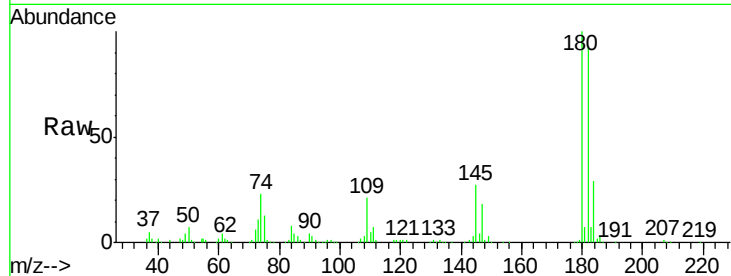
#93
 1,2,4-Trichlorobenzene
 Concen: 53.534 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

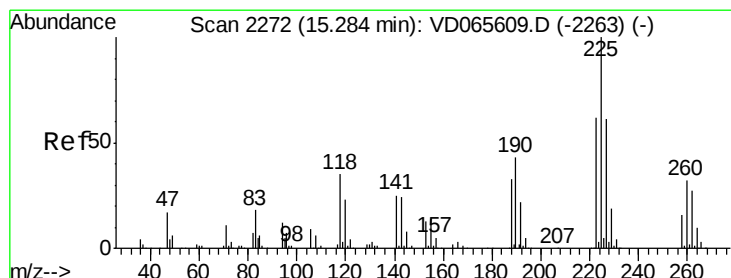
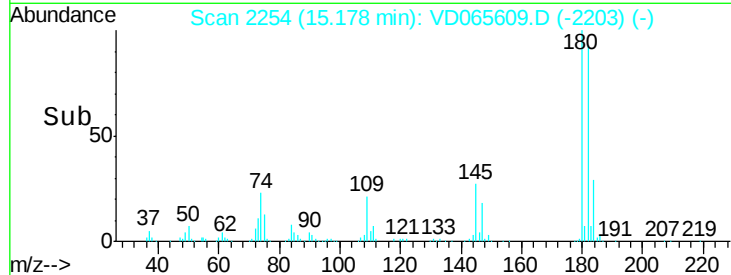
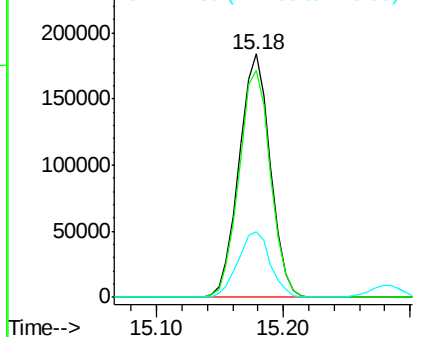
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.1	47.0	141.2	
145	27.9	14.0	41.9	

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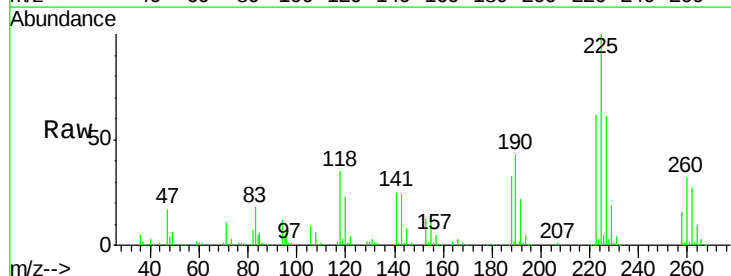


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

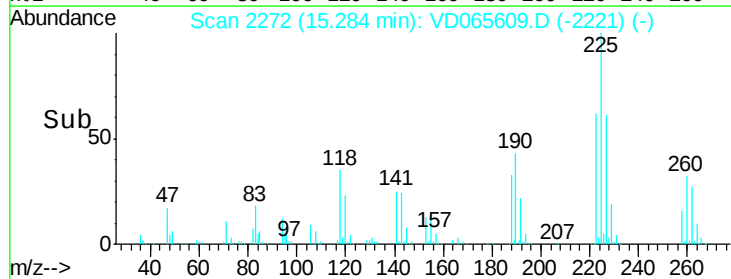
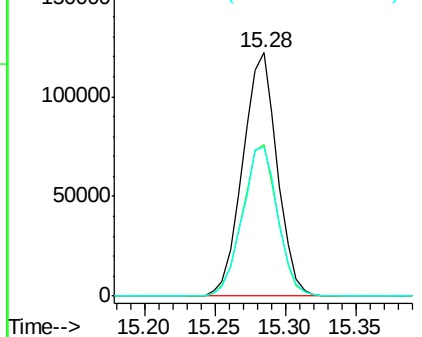


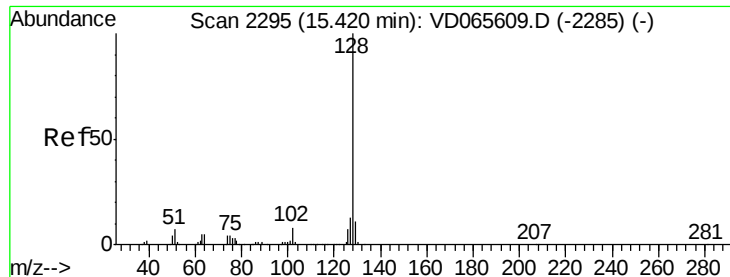
#94
 Hexachlorobutadiene
 Concen: 51.243 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VD065609.D
 Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	31.6	94.7	
227	63.3	31.6	95.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





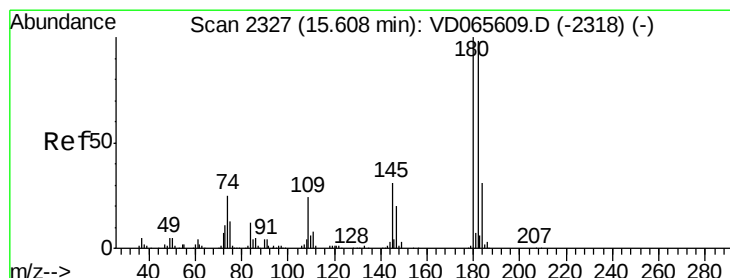
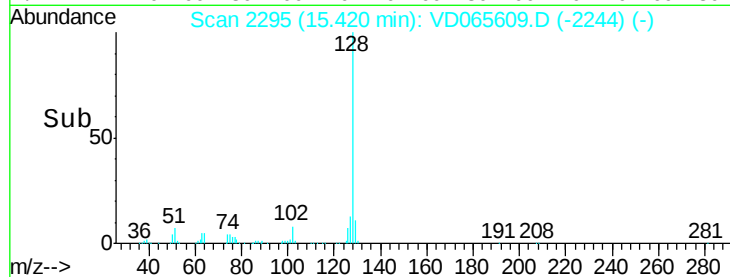
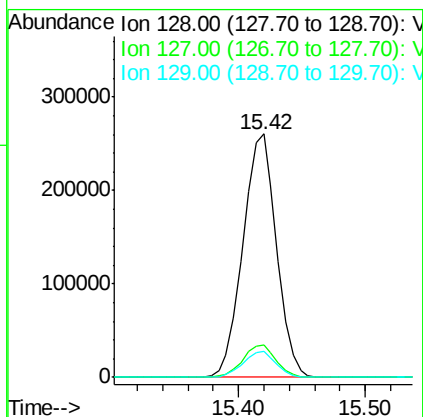
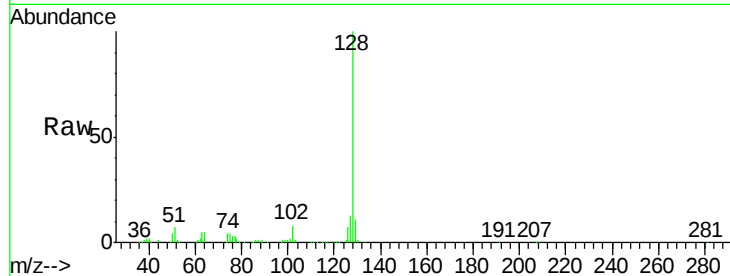
#95
Naphthalene
Concen: 56.436 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.5	8.4	12.6

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#96
1,2,3-Trichlorobenzene
Concen: 53.610 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065609.D
Acq: 09 Apr 2020 12:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.7	143.1
145	30.4	15.2	45.6

