

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065215.D
 Acq On : 18 Feb 2020 11:58
 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
 2/19/2020 1:44:10 PM

Quant Time: Feb 19 03:18:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	530688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	790934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	718006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	344277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	234735	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	7.92	113	237405	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
50) Toluene-d8	10.34	98	932075	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.64	95	293583	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	219755	49.371	ug/l	100
3) Chloromethane	2.21	50	262765	46.380	ug/l	100
4) Vinyl Chloride	2.35	62	275820	47.877	ug/l	100
5) Bromomethane	2.77	94	153391	44.037	ug/l	100
6) Chloroethane	2.93	64	166148	47.248	ug/l	100
7) Trichlorofluoromethane	3.27	101	386583	46.870	ug/l	100
8) Diethyl Ether	3.71	74	117334	47.128	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	241449	46.356	ug/l	100
10) Methyl Iodide	4.30	142	288859	53.413	ug/l	100
11) Tert butyl alcohol	5.26	59	65447	229.411	ug/l	100
12) 1,1-Dichloroethene	4.06	96	234321	47.623	ug/l	100
13) Acrolein	3.93	56	77376	182.191	ug/l	100
14) Allyl chloride	4.71	41	383460	47.992	ug/l	100
15) Acrylonitrile	5.43	53	267028	242.255	ug/l	100
16) Acetone	4.17	43	307169	263.206	ug/l	100
17) Carbon Disulfide	4.40	76	779088	47.229	ug/l	100
18) Methyl Acetate	4.73	43	122815	46.791	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	514780	50.171	ug/l	100
20) Methylene Chloride	4.97	84	256753	43.340	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	265659	47.495	ug/l	100
22) Diisopropyl ether	6.37	45	767271	49.813	ug/l	100
23) Vinyl Acetate	6.31	43	2222696	261.751	ug/l	100
24) 1,1-Dichloroethane	6.27	63	448888	46.985	ug/l	100
25) 2-Butanone	7.22	43	378548	256.374	ug/l	100
26) 2,2-Dichloropropane	7.21	77	381794	46.058	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	283052	47.774	ug/l	100
28) Bromochloromethane	7.55	49	160480	45.276	ug/l	100
29) Tetrahydrofuran	7.57	42	220968	255.412	ug/l	100
30) Chloroform	7.71	83	451931	46.952	ug/l	100
31) Cyclohexane	7.98	56	433862	46.219	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	399796	46.424	ug/l	100
36) 1,1-Dichloropropene	8.11	75	362884	47.153	ug/l	100
37) Ethyl Acetate	7.30	43	150917	46.909	ug/l	100
38) Carbon Tetrachloride	8.10	117	366582	46.792	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	447456	49.456	ug/l	100
40) Benzene	8.36	78	1030423	47.436	ug/l	100
41) Methacrylonitrile	7.53	41	85821	46.200	ug/l	100
42) 1,2-Dichloroethane	8.43	62	282980	47.387	ug/l	100
43) Isopropyl Acetate	8.46	43	290461	49.648	ug/l	100
44) Trichloroethene	9.11	130	282935	46.989	ug/l	100
45) 1,2-Dichloropropane	9.39	63	257522	47.677	ug/l	100
46) Dibromomethane	9.48	93	134578	48.425	ug/l	100
47) Bromodichloromethane	9.67	83	346739	47.343	ug/l	100
48) Methyl methacrylate	9.46	41	139827	51.707	ug/l	100
49) 1,4-Dioxane	9.47	88	32273	990.120	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	752925	253.383	ug/l	100
52) Toluene	10.41	92	664288	49.406	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	334279	49.241	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	400568	48.864	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	187101	47.832	ug/l	100
56) Ethyl methacrylate	10.67	69	233550	51.729	ug/l	100
57) 1,3-Dichloropropane	10.95	76	320676	48.167	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	317650	223.160	ug/l	100
59) 2-Hexanone	10.99	43	572149	268.979	ug/l	100
60) Dibromochloromethane	11.14	129	240617	48.060	ug/l	100
61) 1,2-Dibromoethane	11.25	107	180486	48.733	ug/l	100
64) Tetrachloroethene	10.88	164	238702	46.875	ug/l	100
65) Chlorobenzene	11.67	112	680871	47.255	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	252620	46.982	ug/l	100
67) Ethyl Benzene	11.75	91	1229376	48.717	ug/l	100
68) m/p-Xylenes	11.86	106	951826	98.586	ug/l	100
69) o-Xylene	12.18	106	428332	50.076	ug/l	100
70) Styrene	12.20	104	760584	50.083	ug/l	100
71) Bromoform	12.37	173	141269	47.348	ug/l #	100
73) Isopropylbenzene	12.48	105	1155428	50.693	ug/l	100
74) N-amyl acetate	12.30	43	265423	52.407	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	198519	48.259	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	133815m	27.122	ug/l	
77) Bromobenzene	12.77	156	279377	49.361	ug/l	100
78) n-propylbenzene	12.83	91	1381873	50.451	ug/l	100
79) 2-Chlorotoluene	12.91	91	759245	49.480	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	944641	50.320	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	67655	49.870	ug/l	100
82) 4-Chlorotoluene	13.01	91	800042	49.112	ug/l	100
83) tert-Butylbenzene	13.23	119	796229	50.606	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	948242	50.465	ug/l	100
85) sec-Butylbenzene	13.41	105	1128605	49.780	ug/l	100
86) p-Isopropyltoluene	13.53	119	1051013	50.692	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	527994	48.255	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	520144	48.166	ug/l	100
89) n-Butylbenzene	13.86	91	963995	50.457	ug/l	100
90) Hexachloroethane	14.12	117	200594	47.649	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	452255	48.138	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	31052	48.984	ug/l	100

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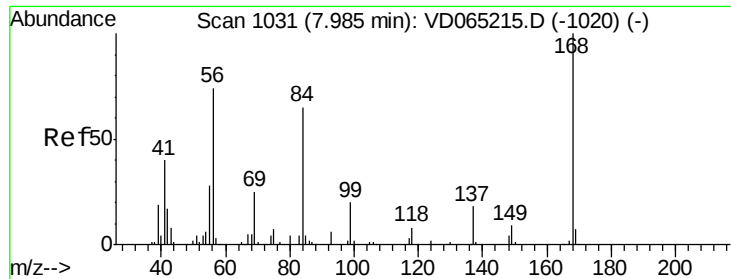
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	309815	50.415	ug/l	100
94) Hexachlorobutadiene	15.28	225	185072	46.947	ug/l	100
95) Naphthalene	15.41	128	528917	52.943	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	267259	49.795	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 530688

Ion Ratio Lower Upper

168 100

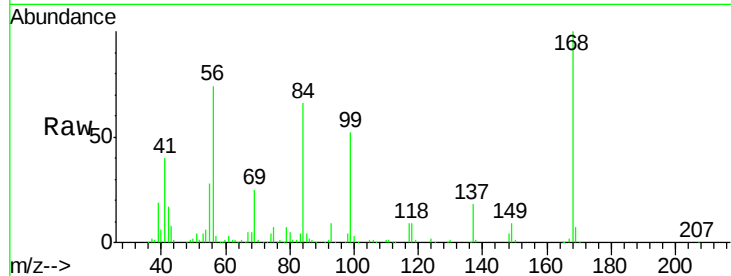
99 51.8 41.4 62.2

Manual Integrations

APPROVED

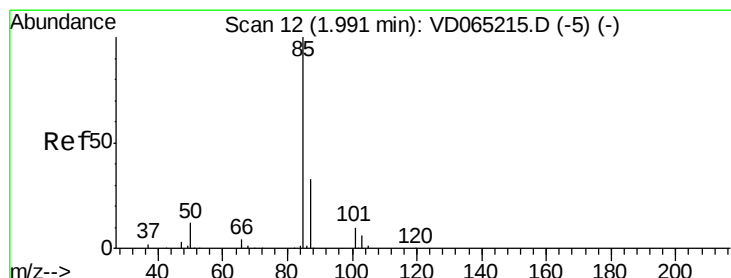
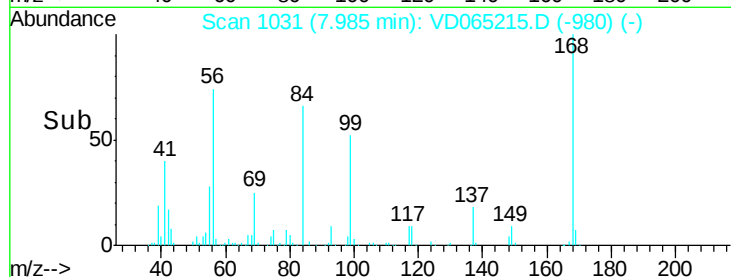
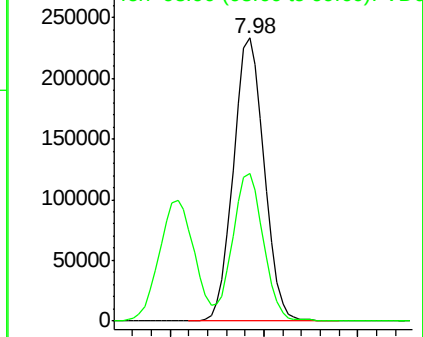
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 49.371 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065215.D

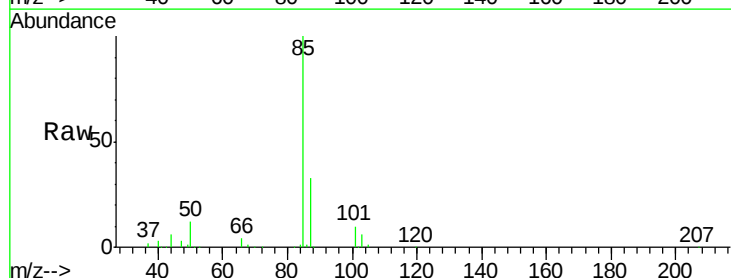
Acq: 18 Feb 2020 11:58

Tgt Ion: 85 Resp: 219755

Ion Ratio Lower Upper

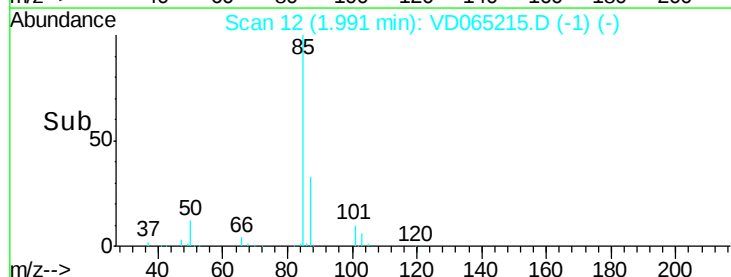
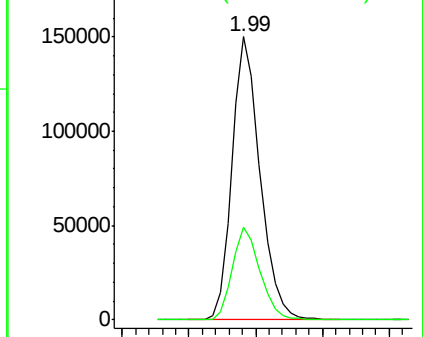
85 100

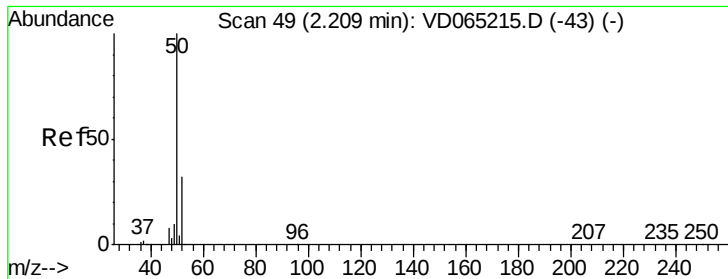
87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.380 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 262765

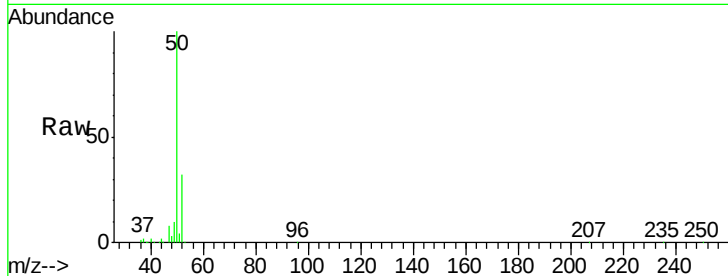
Ion Ratio Lower Upper

50 100

52 31.9 25.5 38.3

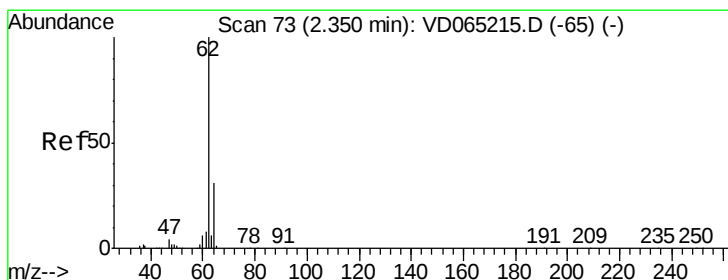
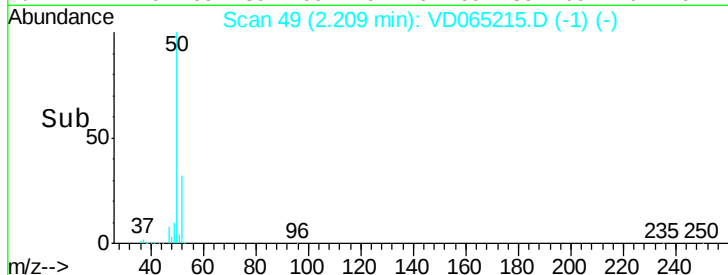
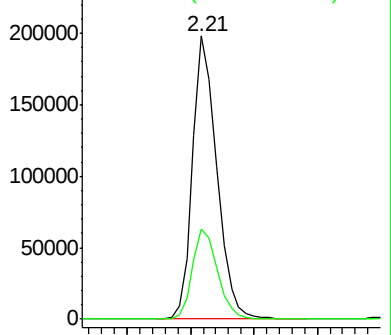
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.877 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065215.D

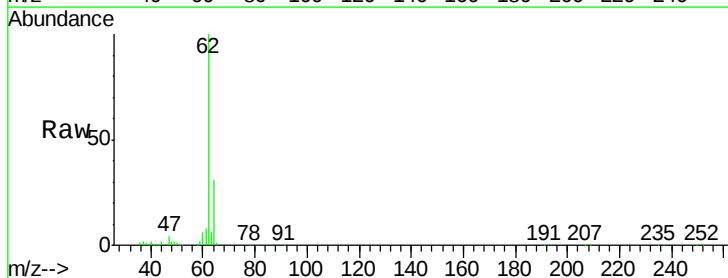
Acq: 18 Feb 2020 11:58

Tgt Ion: 62 Resp: 275820

Ion Ratio Lower Upper

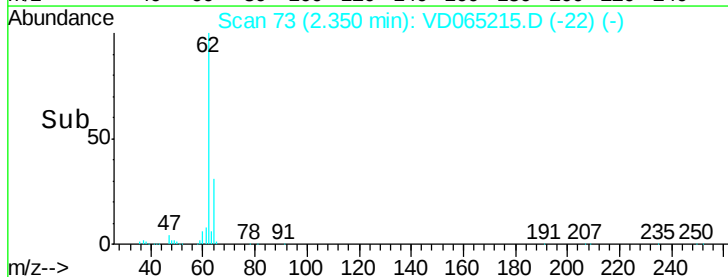
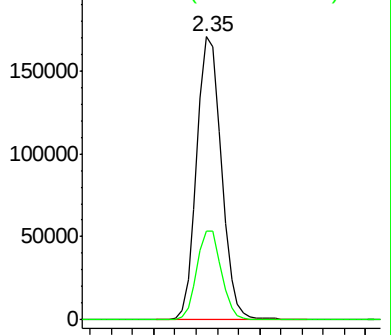
62 100

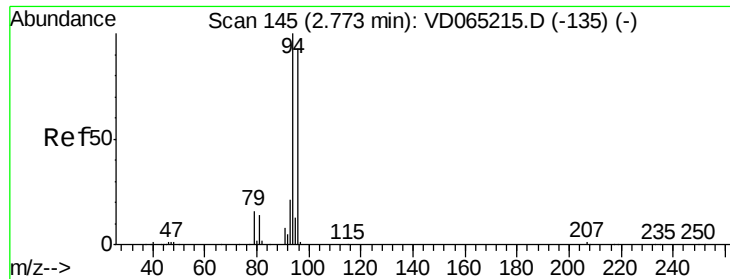
64 31.3 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 44.037 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 153391

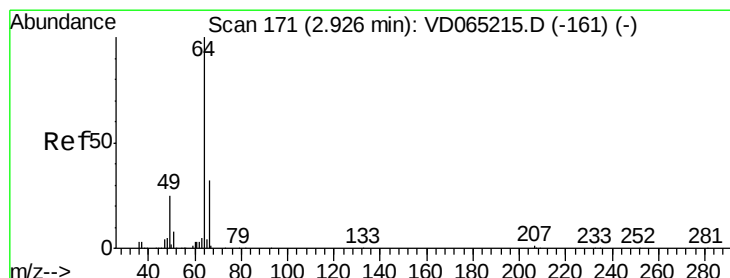
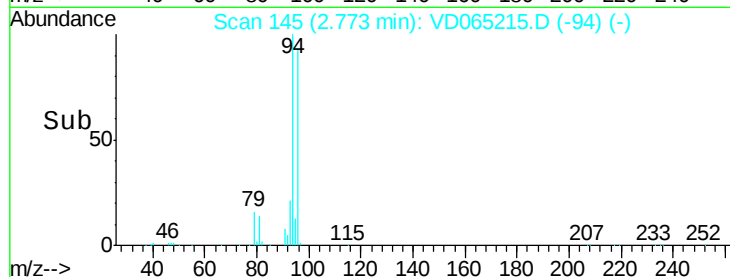
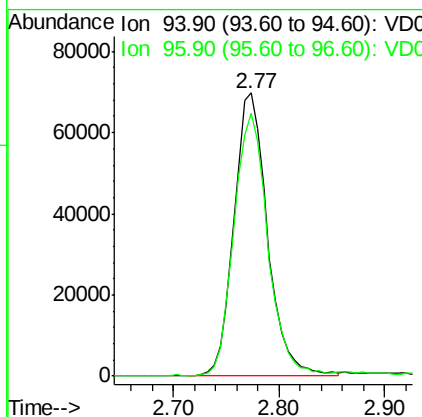
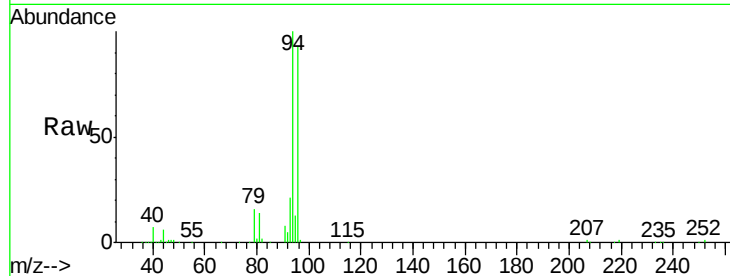
Ion Ratio Lower Upper

94 100

96 92.8 74.2 111.4

Manual Integrations
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#6

Chloroethane

Concen: 47.248 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065215.D

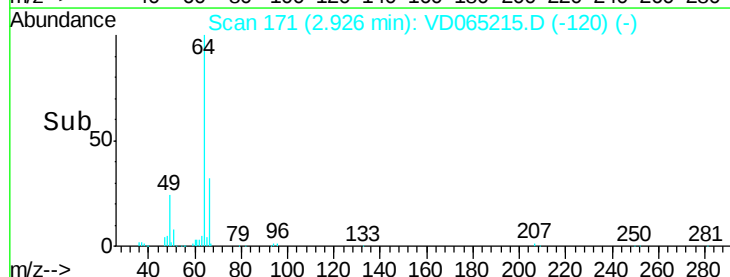
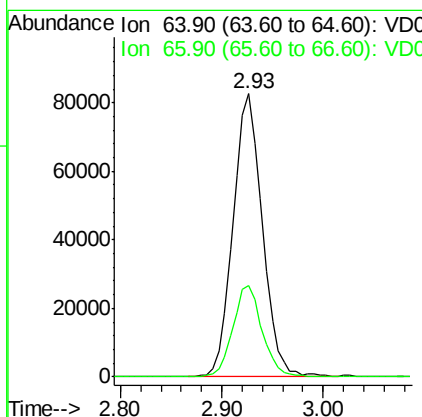
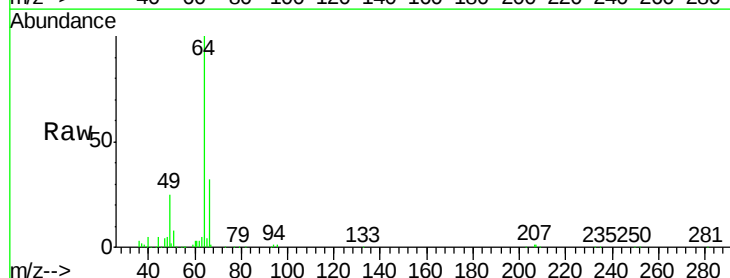
Acq: 18 Feb 2020 11:58

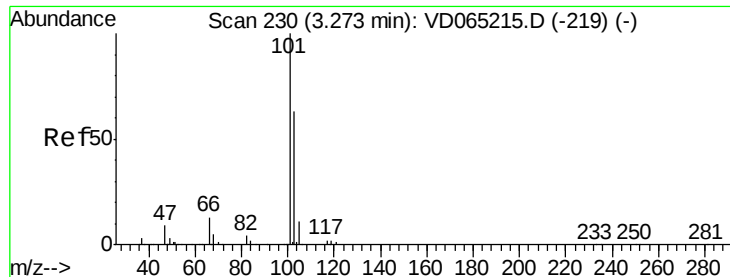
Tgt Ion: 64 Resp: 166148

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5





#7

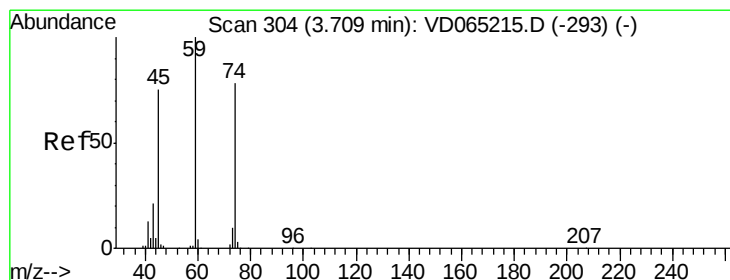
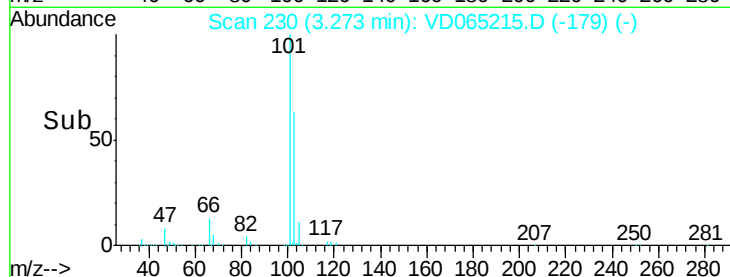
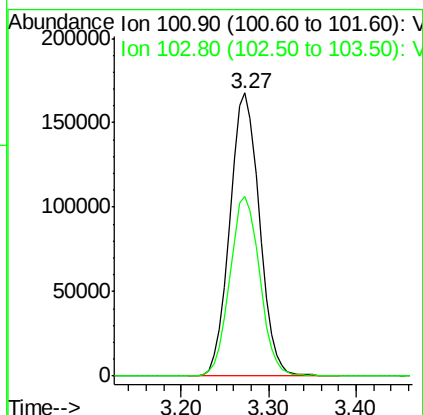
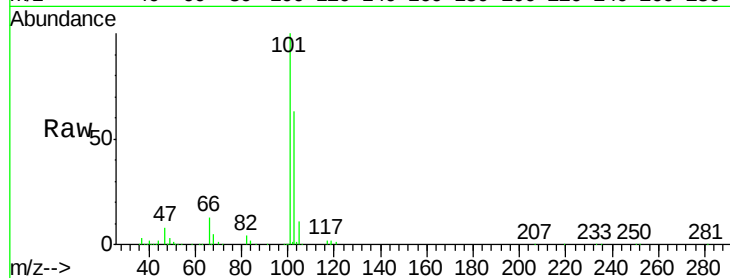
Trichlorofluoromethane
 Concen: 46.870 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

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 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.7	76.1

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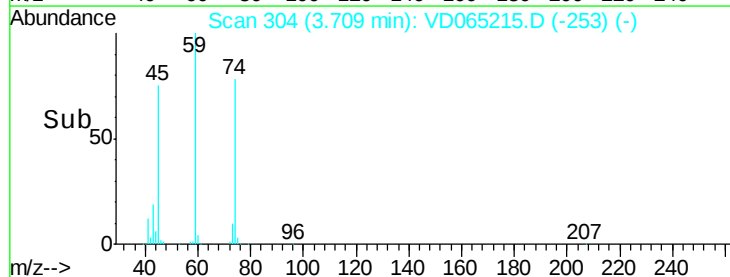
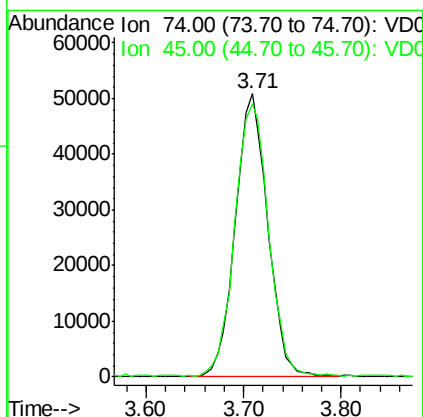
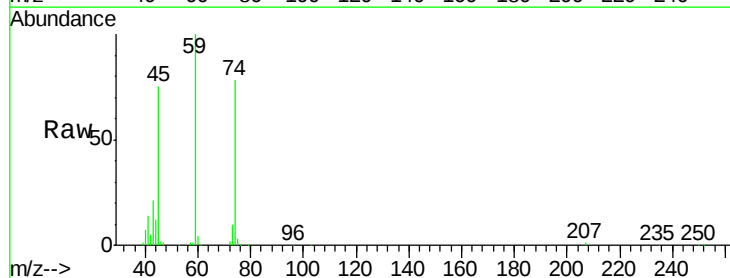
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 2/19/2020 1:44:10 PM



#8

Diethyl Ether
 Concen: 47.128 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.356 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

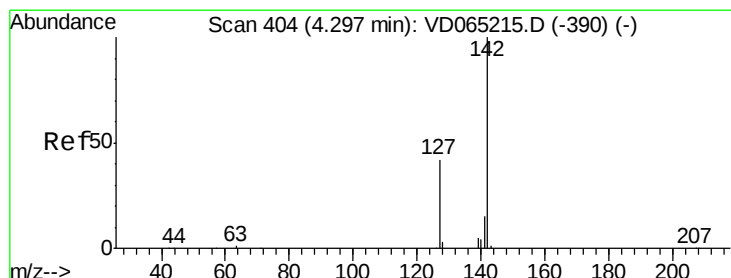
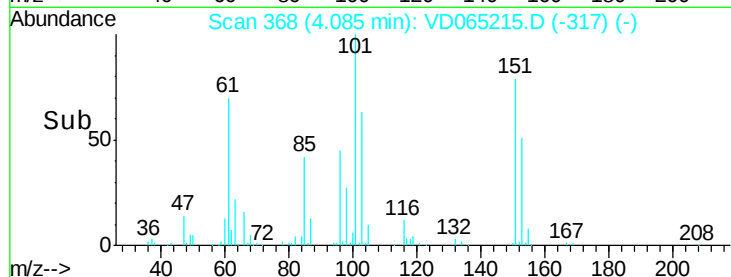
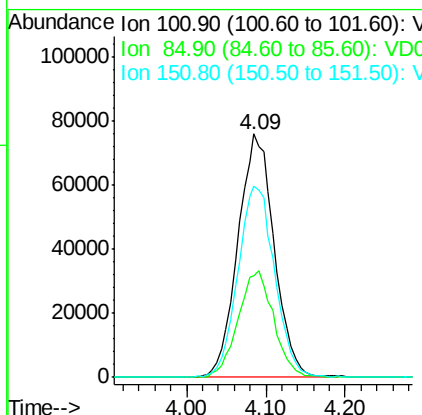
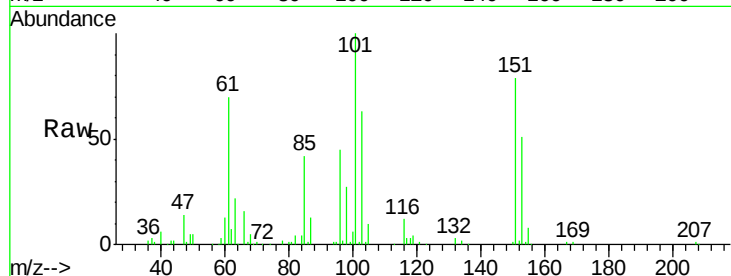
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	241449
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.2
151	79.4	63.5	95.3

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 53.413 ug/l

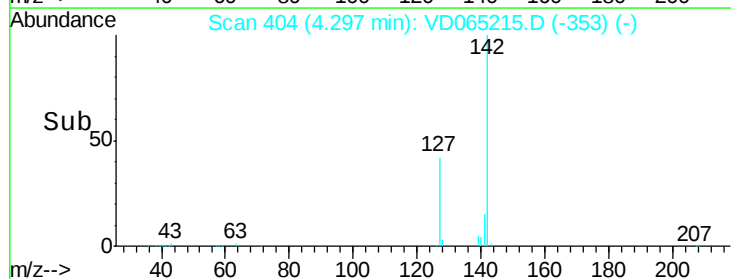
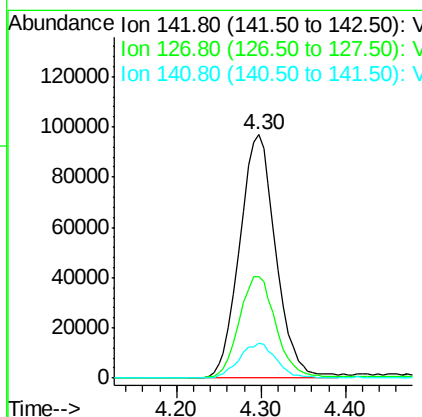
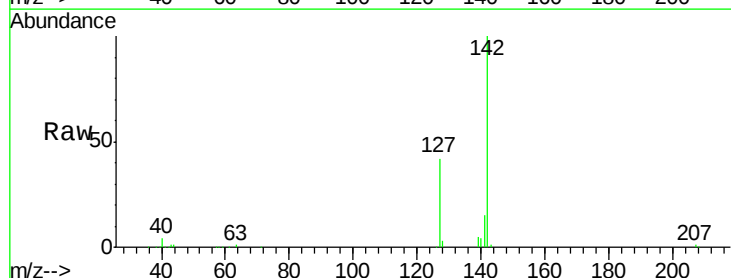
RT: 4.30 min Scan# 404

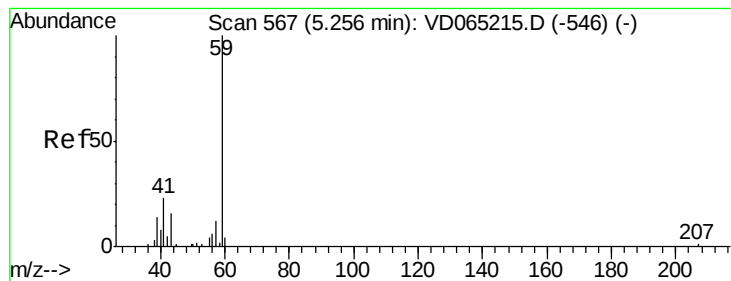
Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Tgt Ion:	142	Resp:	288859
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.8	50.8
141	14.6	11.7	17.5





#11

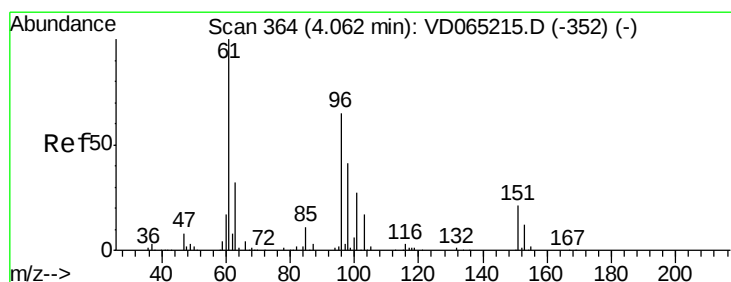
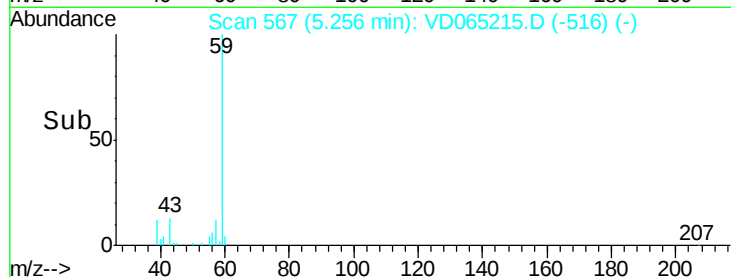
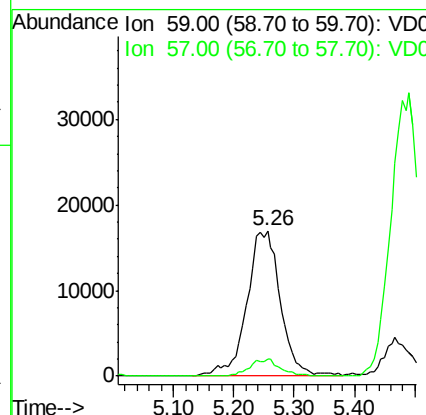
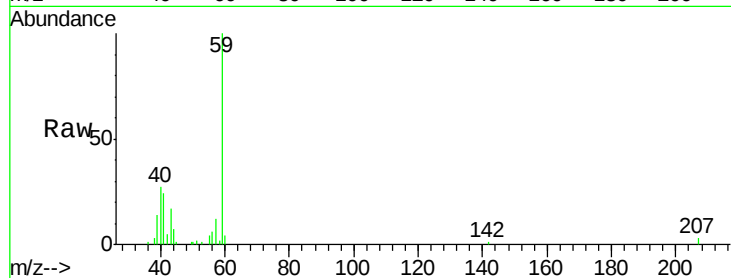
Tert butyl alcohol
Concen: 229.411 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

Manual Integrations
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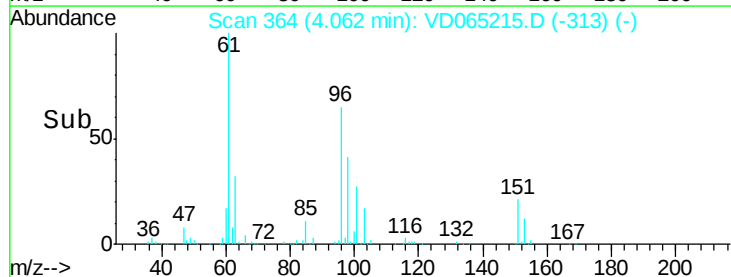
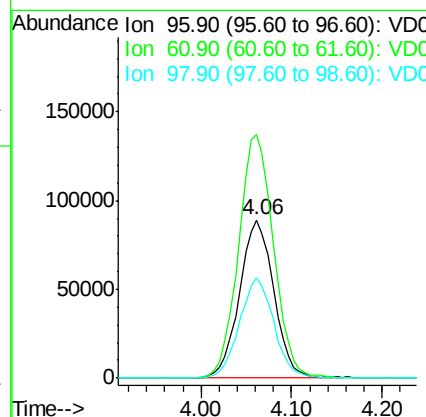
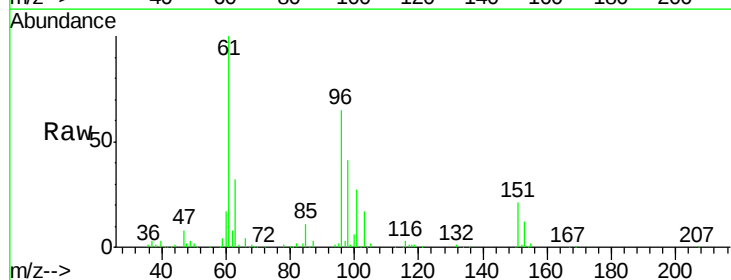
MMDadoda
2/19/2020 1:44:10 PM

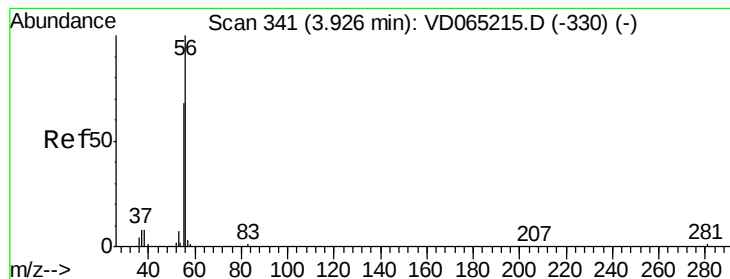


#12

1,1-Dichloroethene
Concen: 47.623 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	123.3	184.9
98	63.7	51.0	76.4





#13

Acrolein

Concen: 182.191 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 77376

Ion Ratio Lower Upper

56 100

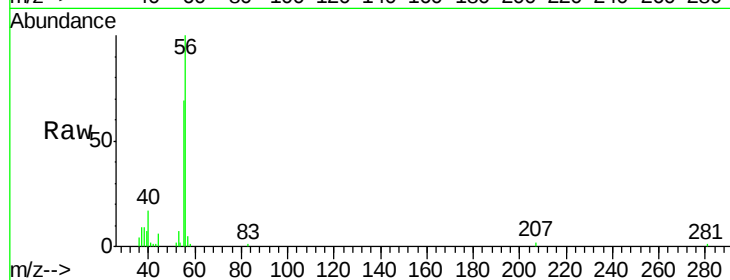
55 70.8 56.6 85.0

Manual Integrations

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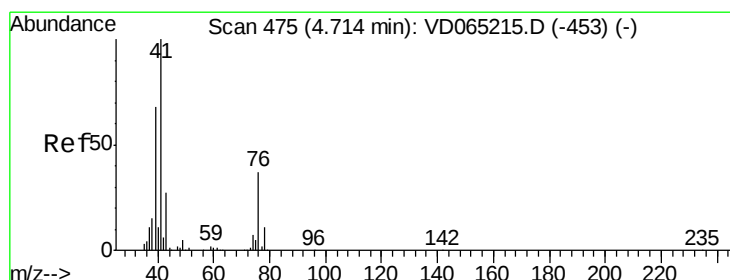
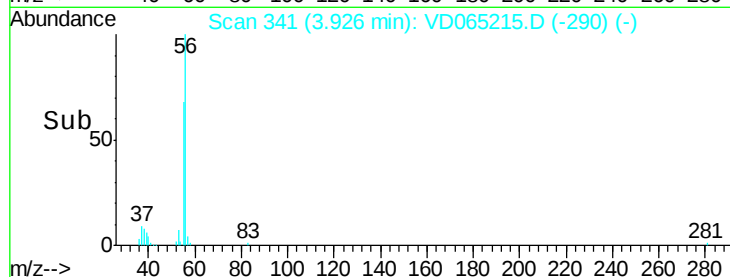
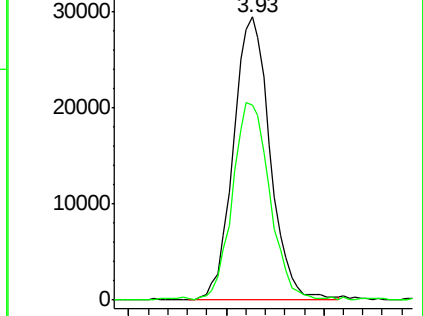
MMDadoda

2/19/2020 1:44:10 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.992 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

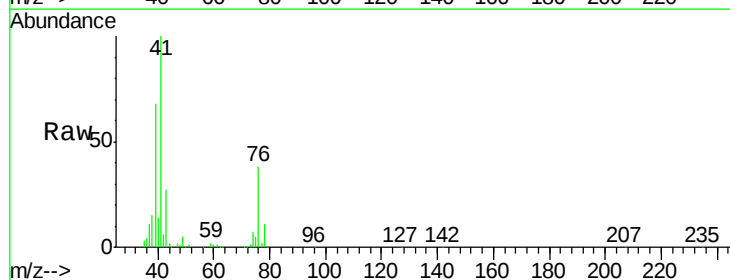
Tgt Ion: 41 Resp: 383460

Ion Ratio Lower Upper

41 100

39 67.2 53.8 80.6

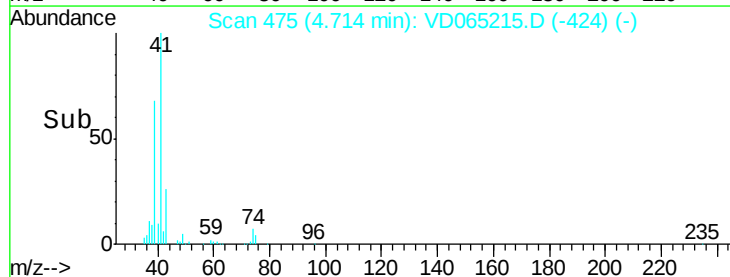
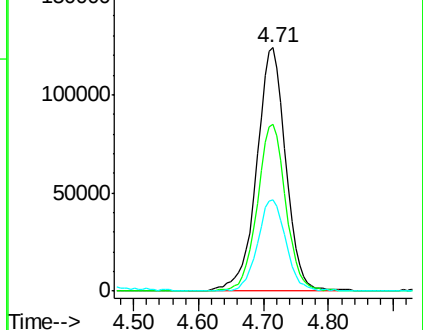
76 35.9 28.7 43.1

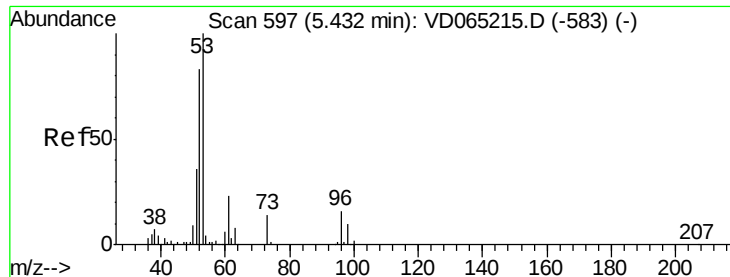


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 242.255 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

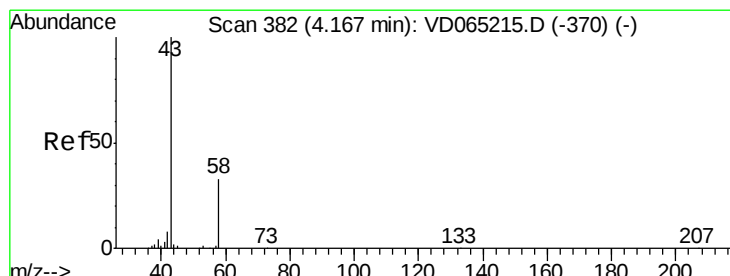
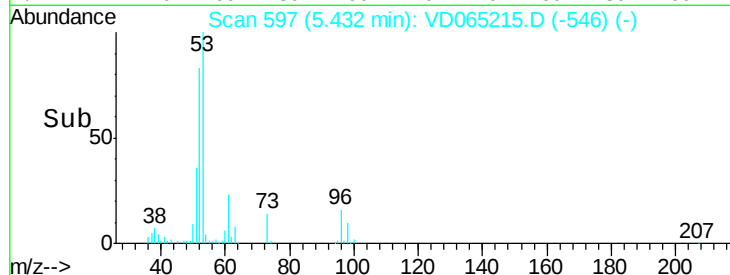
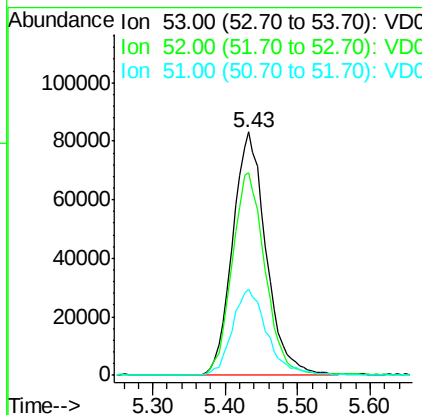
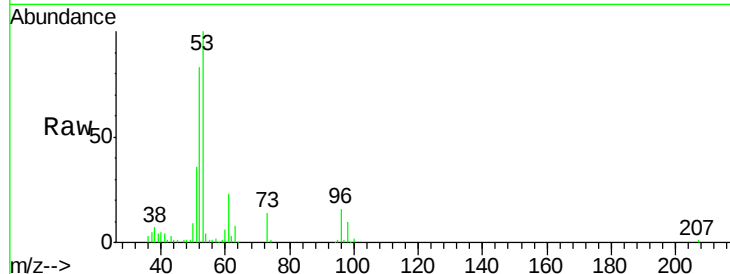
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.4	98.2
51	36.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 263.206 ug/l

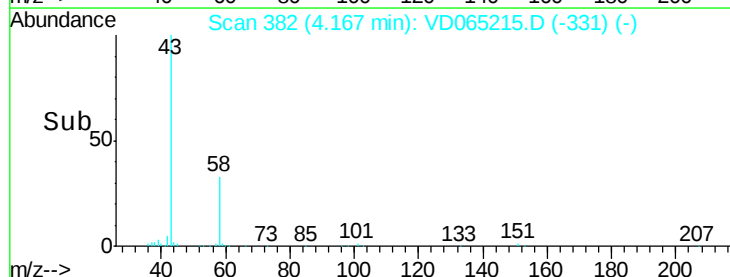
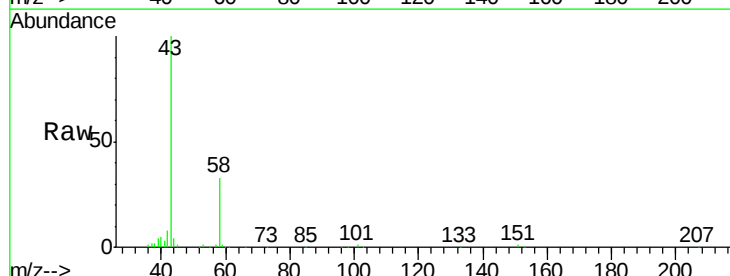
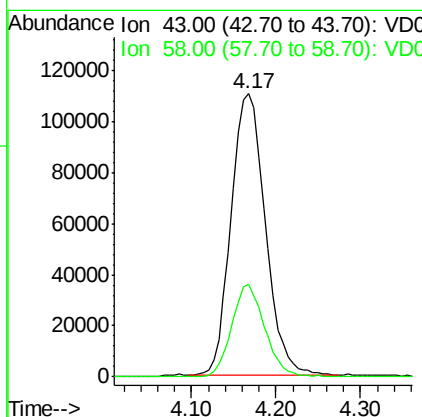
RT: 4.17 min Scan# 382

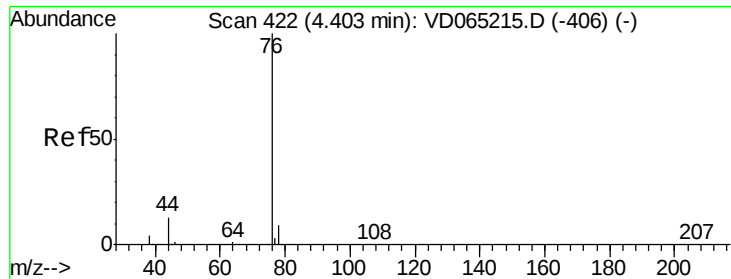
Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.2	39.2





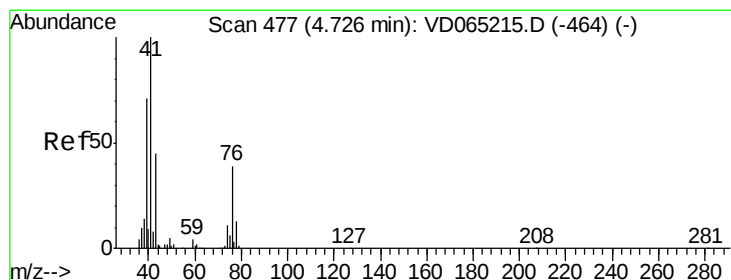
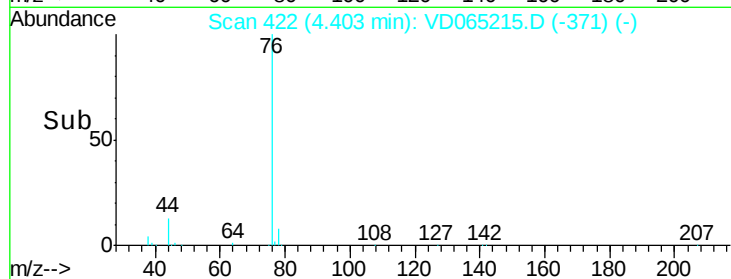
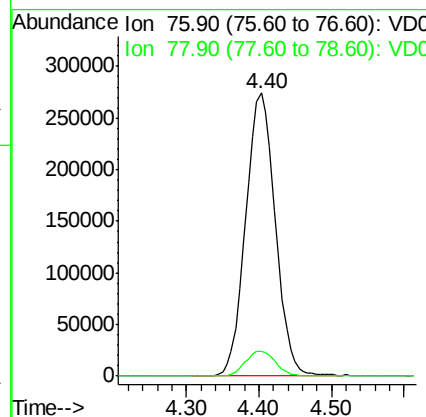
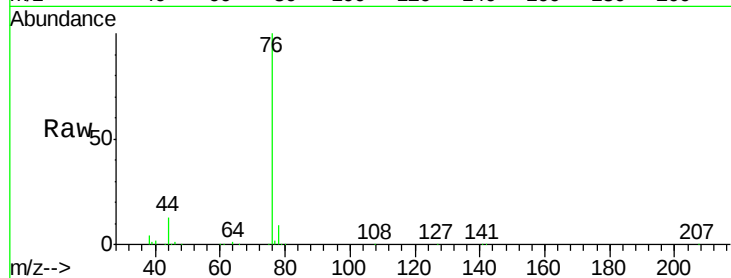
#17
Carbon Disulfide
Concen: 47.229 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

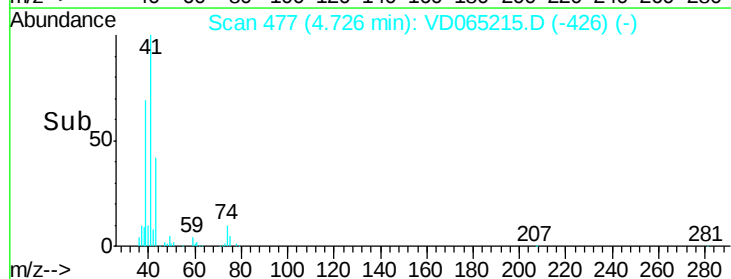
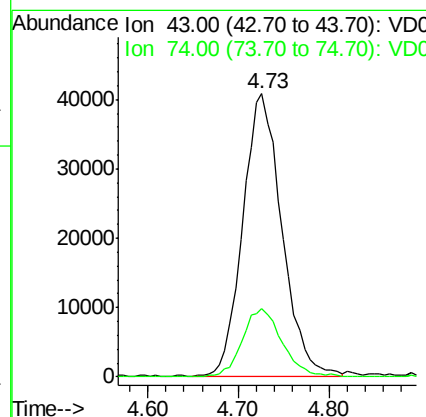
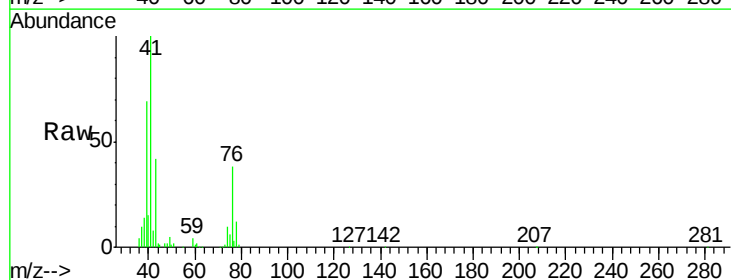
Manual Integrations
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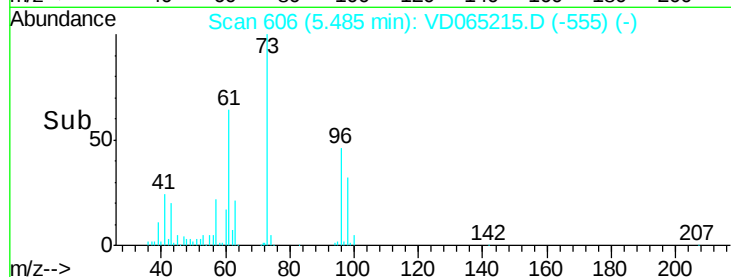
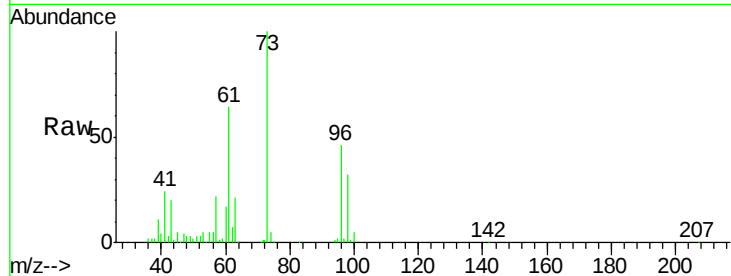
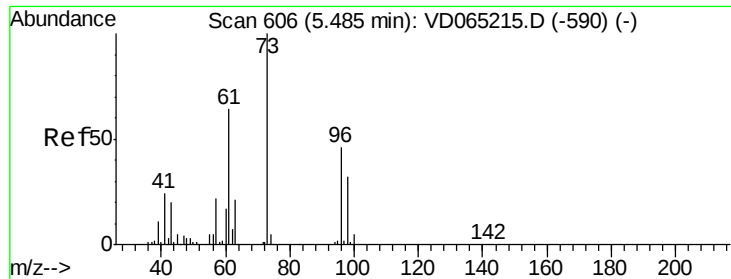
MMDadoda
2/19/2020 1:44:10 PM



#18
Methyl Acetate
Concen: 46.791 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.2





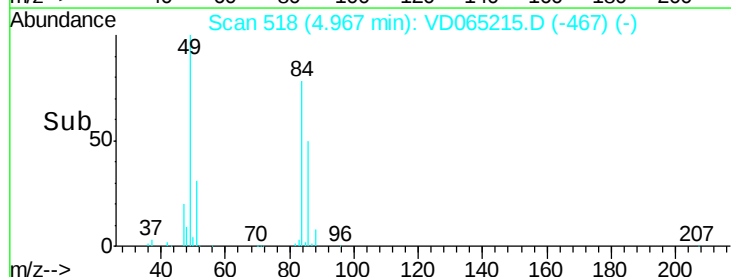
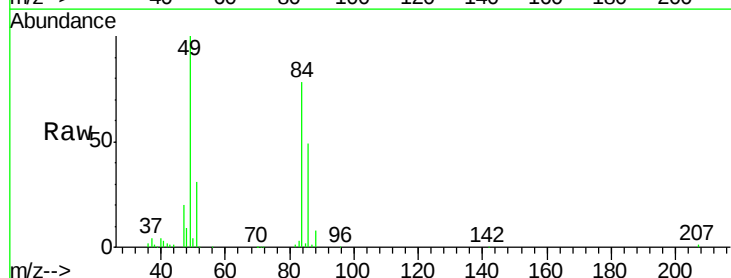
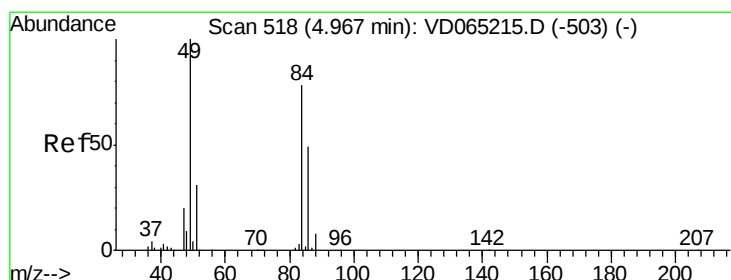
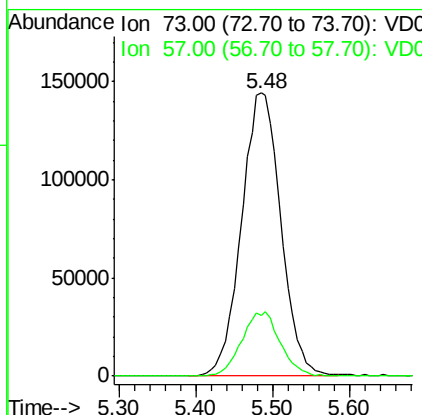
#19
Methvl tert-butvl Ether
Concen: 50.171 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tot Ion: 73 Resp: 514780
Ion Ratio Lower Upper
73 100
57 21.6 17.3 25.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

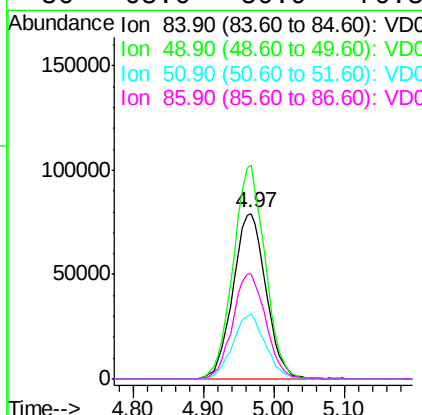
Manual Integrations
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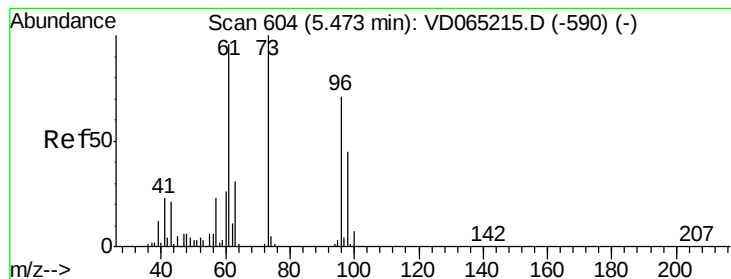
MMDadoda
2/19/2020 1:44:10 PM



#20
Methylene Chloride
Concen: 43.340 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion: 84 Resp: 256753
Ion Ratio Lower Upper
84 100
49 128.9 103.1 154.7
51 39.6 31.7 47.5
86 63.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 47.495 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 265659

Ion Ratio Lower Upper

96 100

61 135.4 108.3 162.5

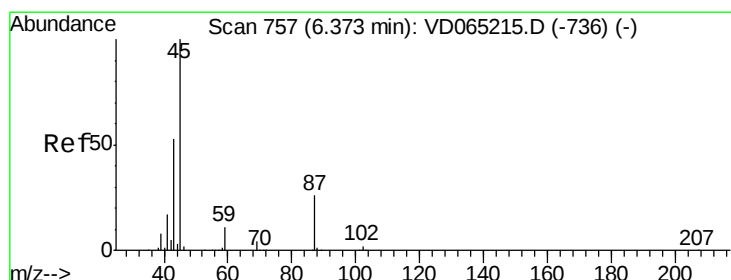
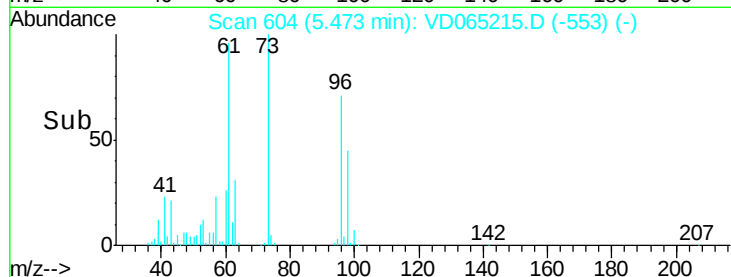
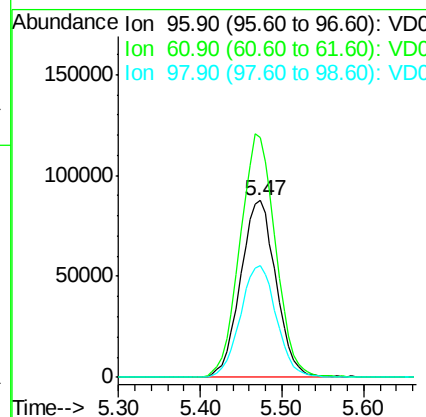
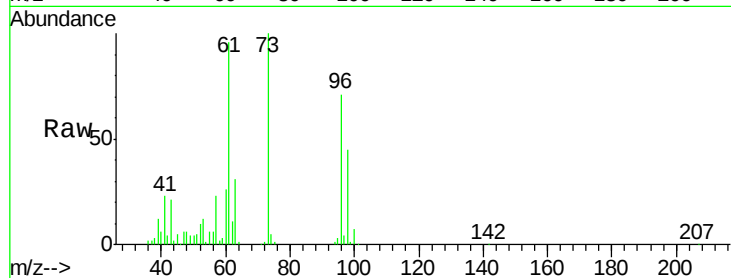
98 63.4 50.7 76.1

Manual Integrations

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2/19/2020 1:44:10 PM



#22

Diisopropyl ether

Concen: 49.813 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Tgt Ion: 45 Resp: 767271

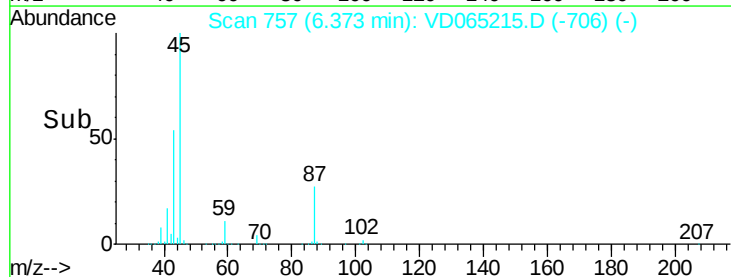
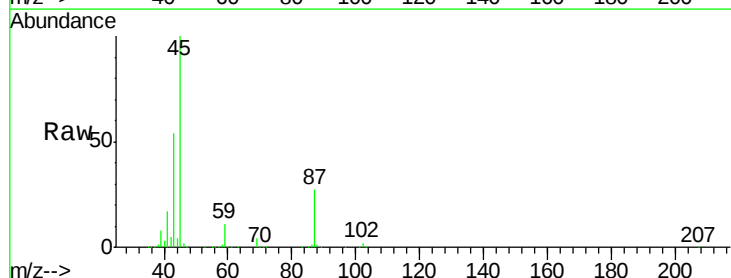
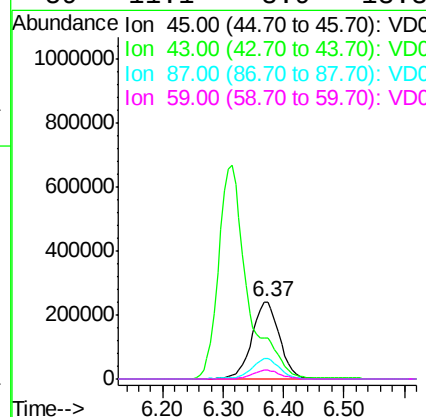
Ion Ratio Lower Upper

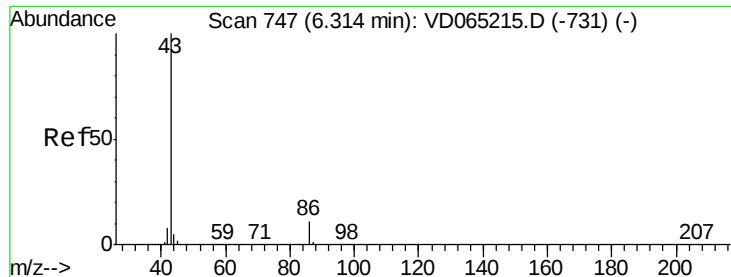
45 100

43 53.3 42.6 64.0

87 26.5 21.2 31.8

59 11.1 8.9 13.3





#23

Vinyl Acetate

Concen: 261.751 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2222696

Ion Ratio Lower Upper

43 100

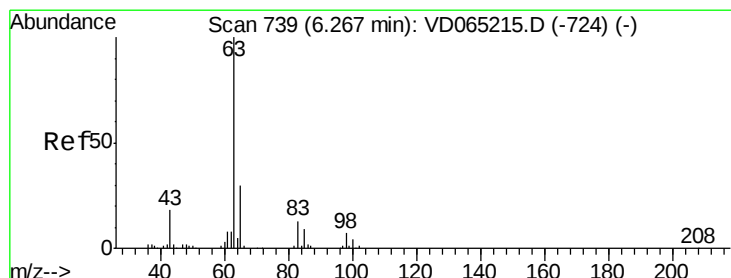
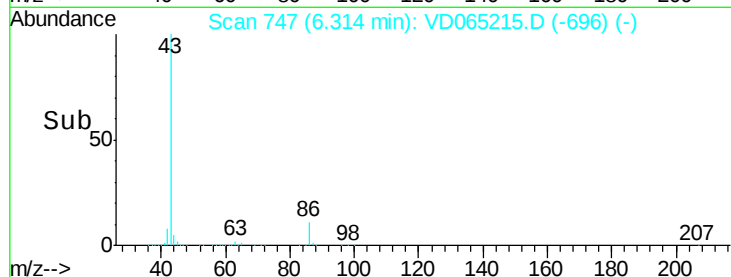
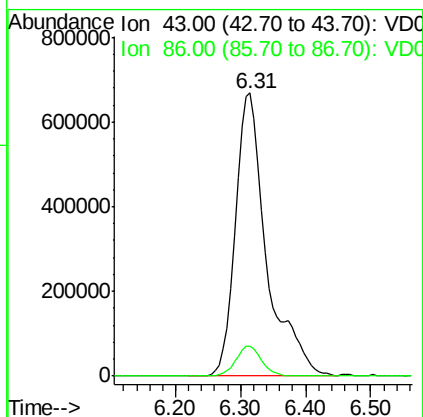
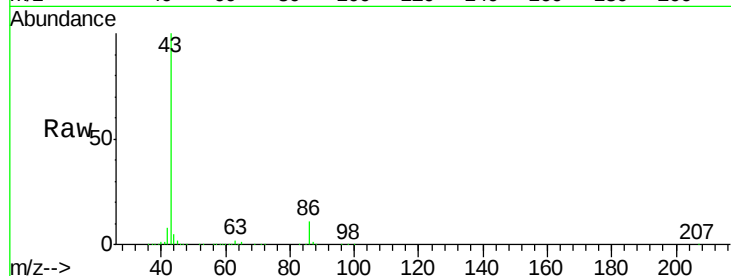
86 10.7 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.985 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

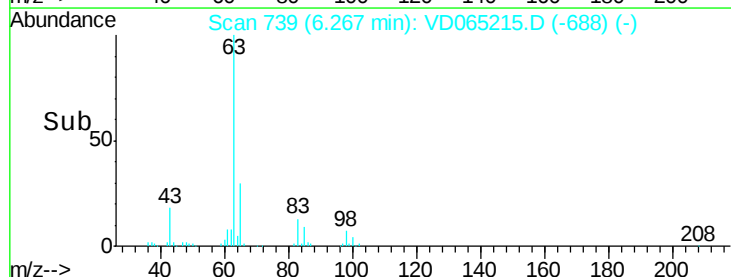
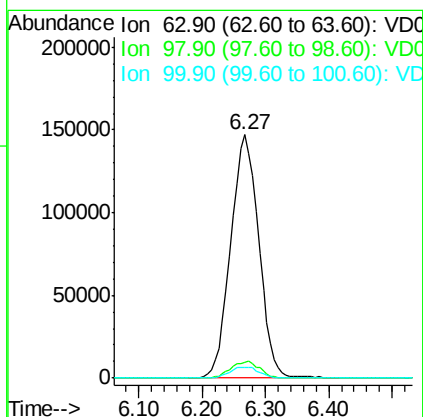
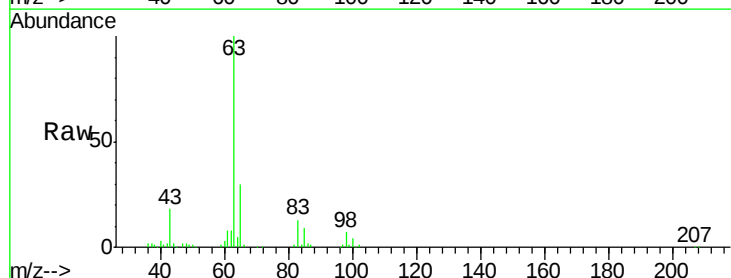
Tgt Ion: 63 Resp: 448888

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 256.374 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 378548

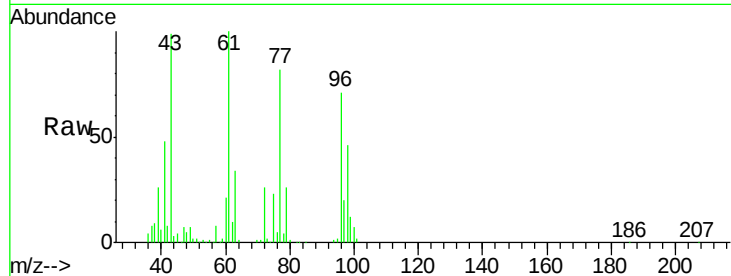
Ion Ratio Lower Upper

43 100

72 26.1 20.9 31.3

Manual Integrations
APPROVED

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2/19/2020 1:44:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

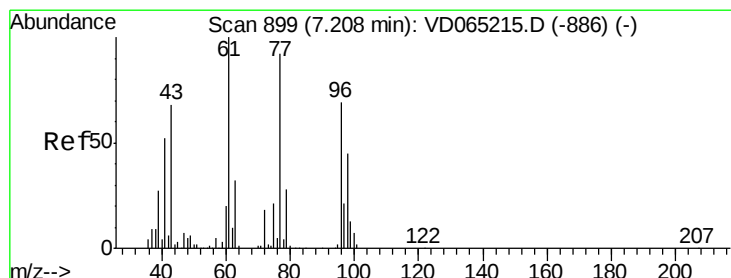
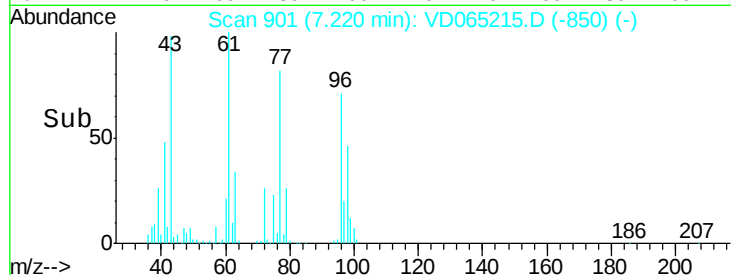
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 46.058 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065215.D

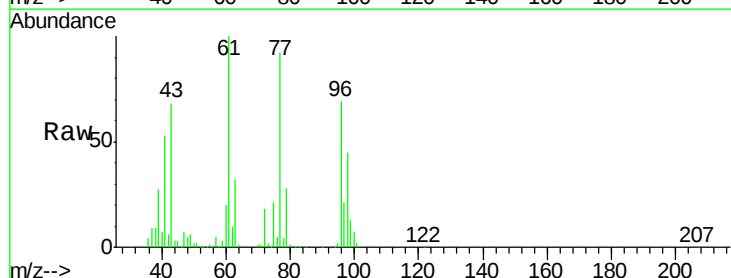
Acq: 18 Feb 2020 11:58

Tgt Ion: 77 Resp: 381794

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

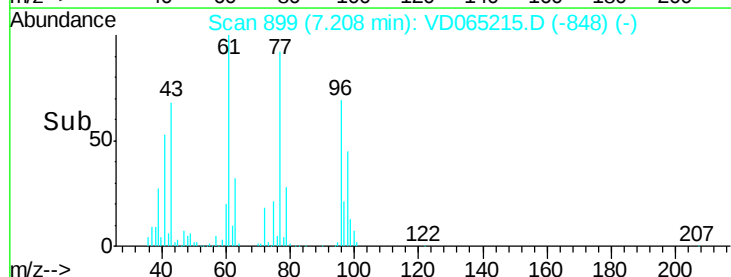
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50000

0

Time-->





#27

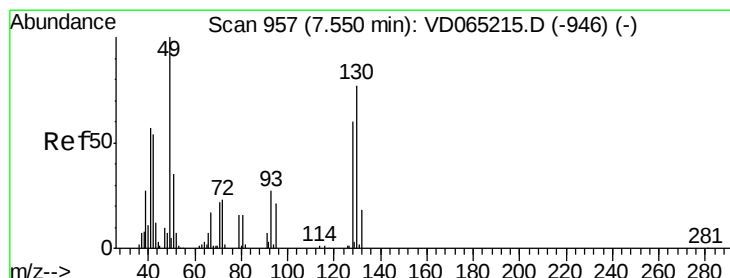
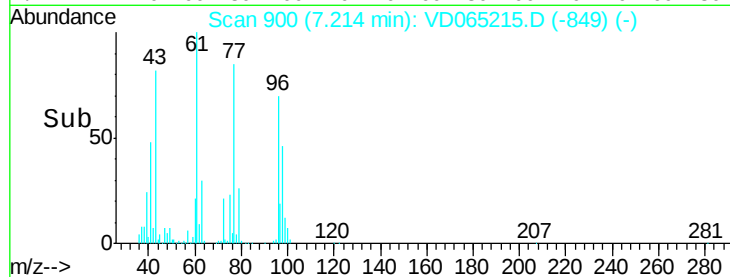
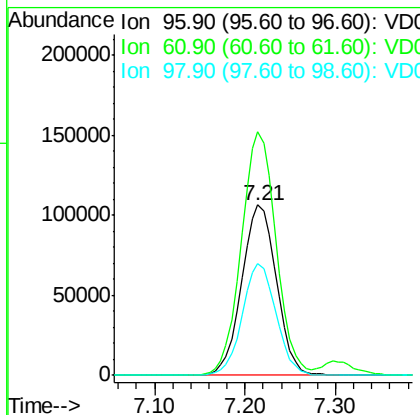
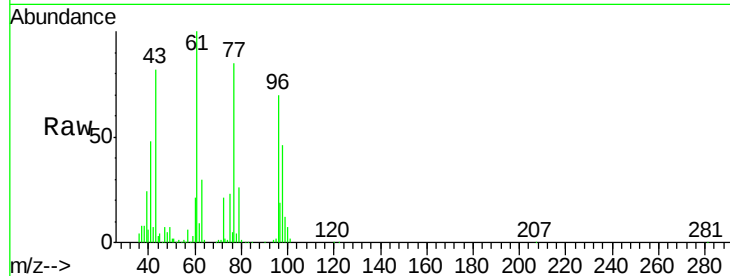
cis-1,2-Dichloroethene
Concen: 47.774 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.0	0.0	286.0	
98	63.9	0.0	127.8	

Manual Integrations
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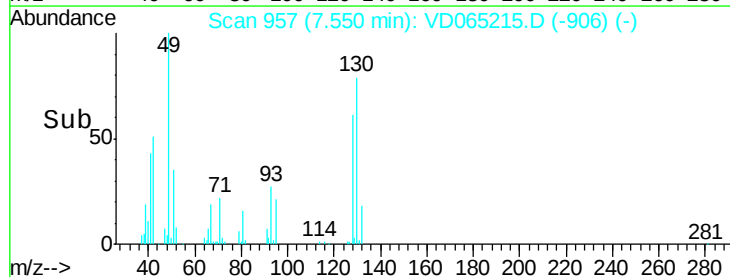
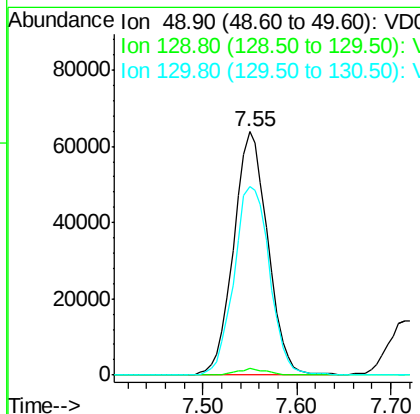
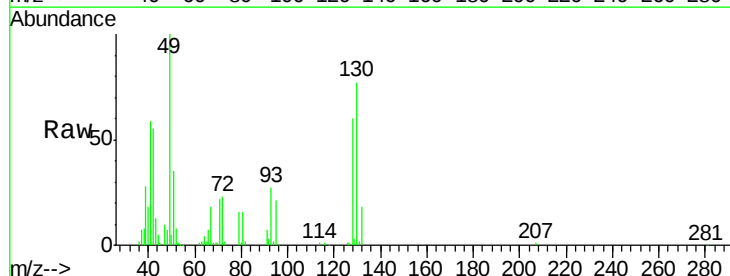
MMDadoda
2/19/2020 1:44:10 PM

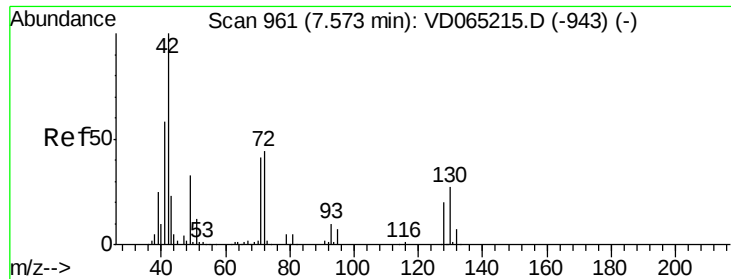


#28

Bromochloromethane
Concen: 45.276 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	80.9	64.7	97.1	





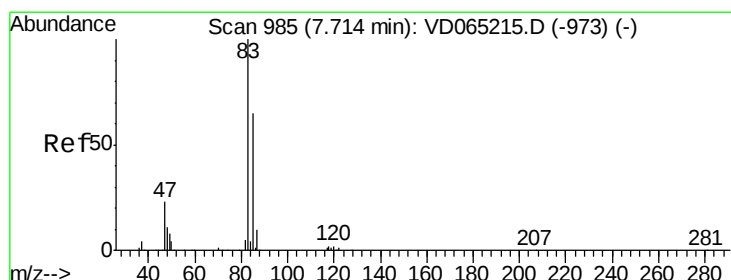
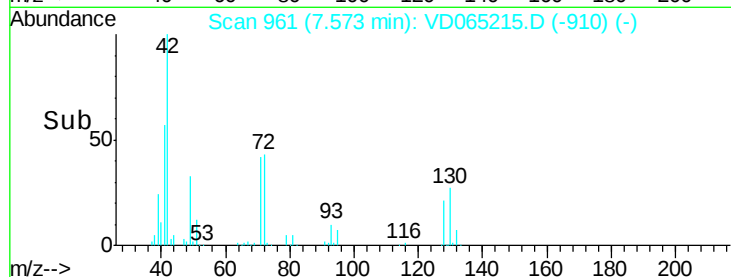
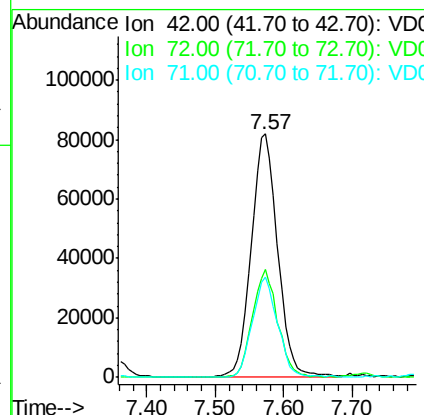
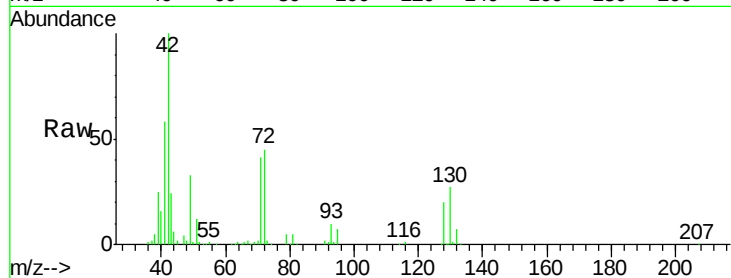
#29
Tetrahydrofuran
Concen: 255.412 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	39.3	31.4	47.2

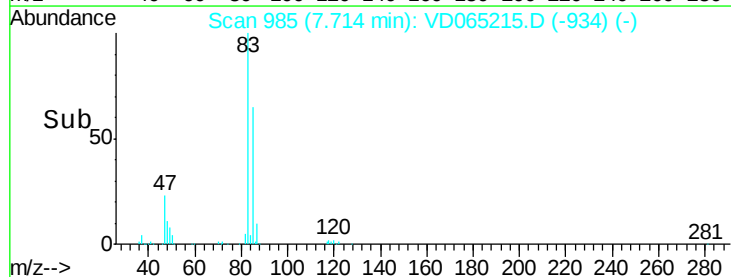
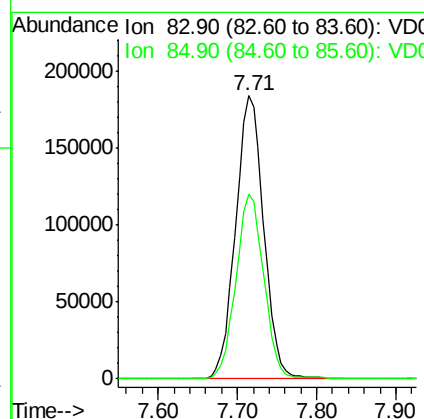
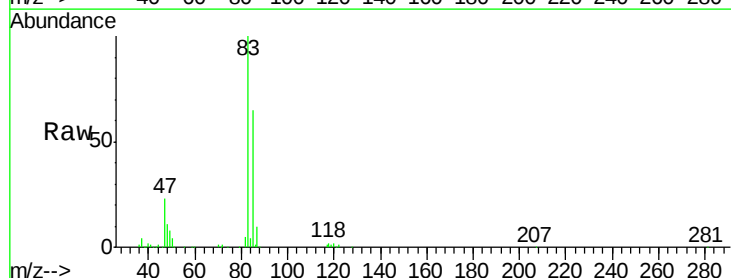
Manual Integrations
APPROVED

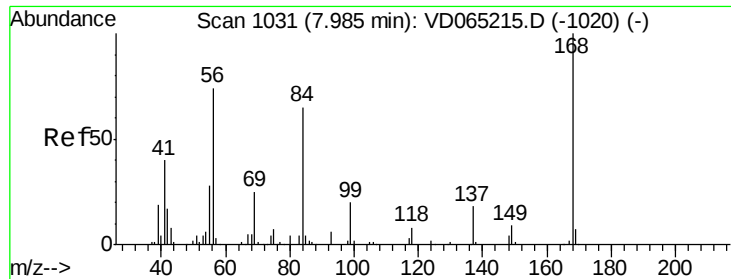
MMDadoda
2/19/2020 1:44:10 PM



#30
Chloroform
Concen: 46.952 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.3	78.5





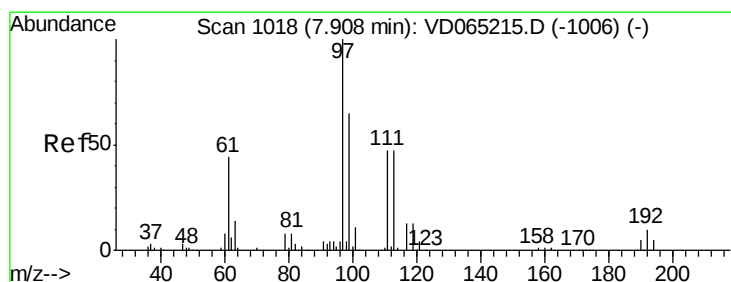
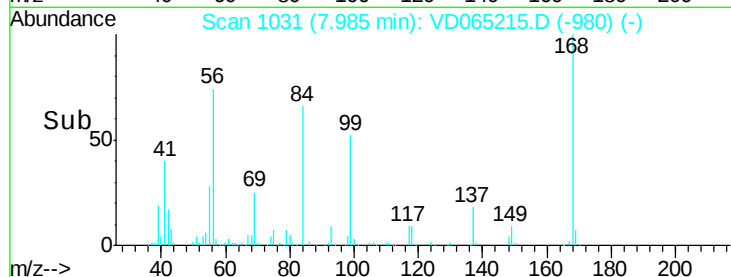
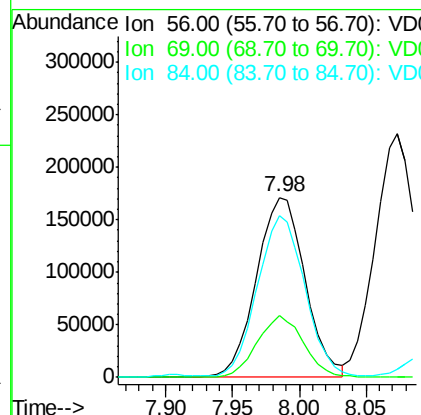
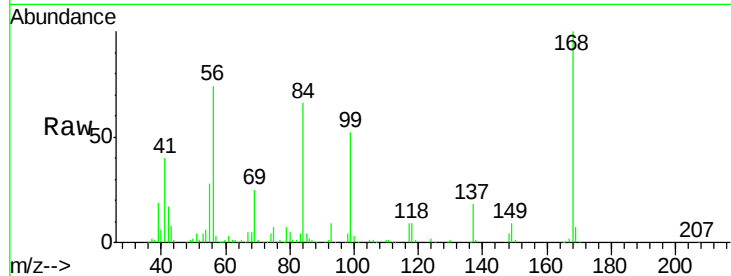
#31
Cyclohexane
Concen: 46.219 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	27.4	41.0
84	88.9	71.1	106.7

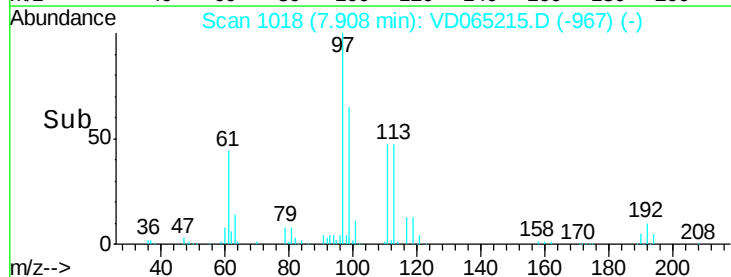
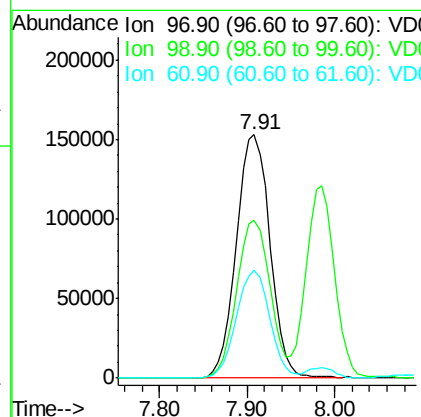
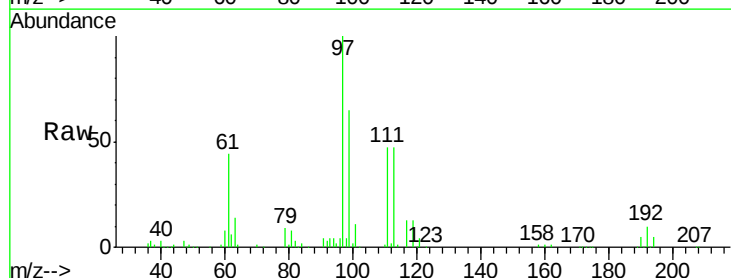
Manual Integrations
APPROVED

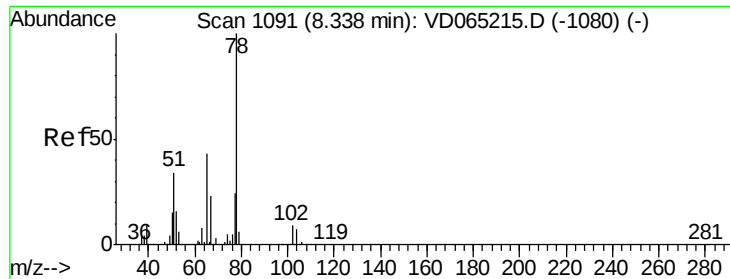
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#32
1,1,1-Trichloroethane
Concen: 46.424 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	43.5	34.8	52.2





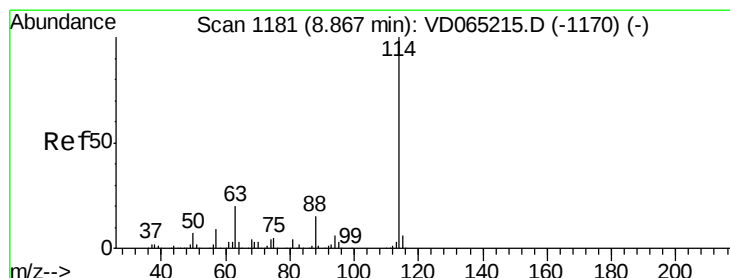
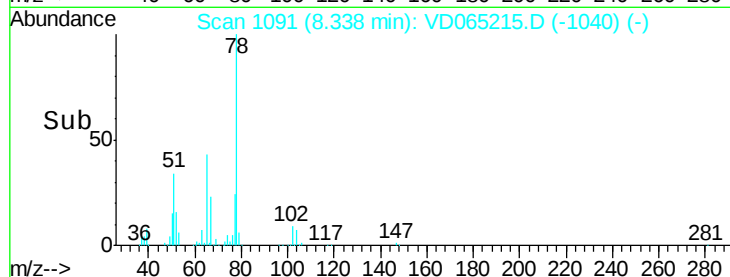
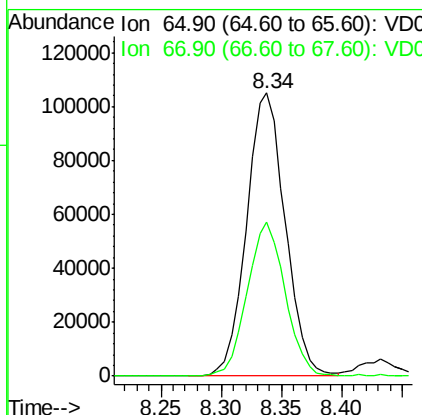
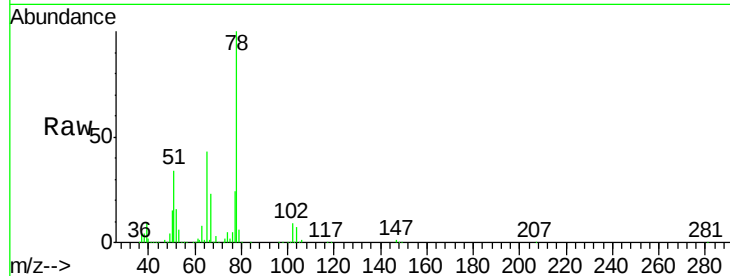
#33
 1,2-Dichloroethane-d4
 Concen: 49.168 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.8

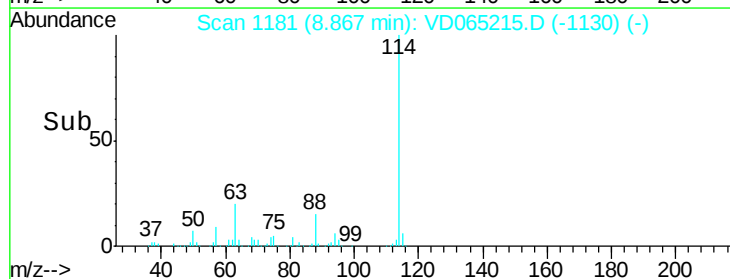
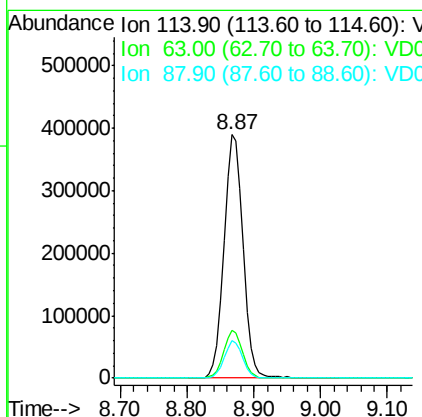
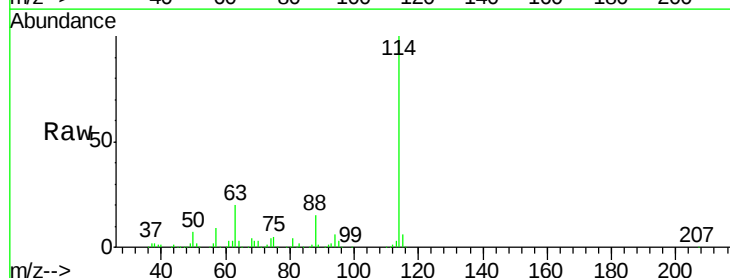
Manual Integrations
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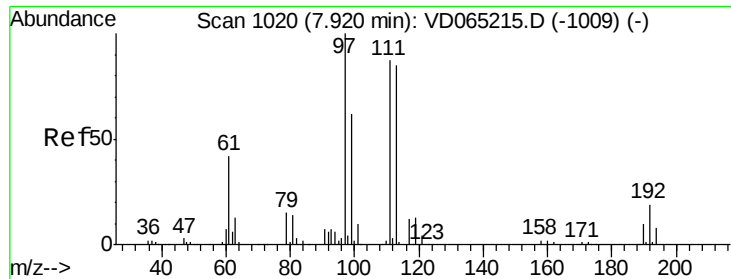
MMDadoda
 2/19/2020 1:44:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.4
88	15.2	0.0	30.4





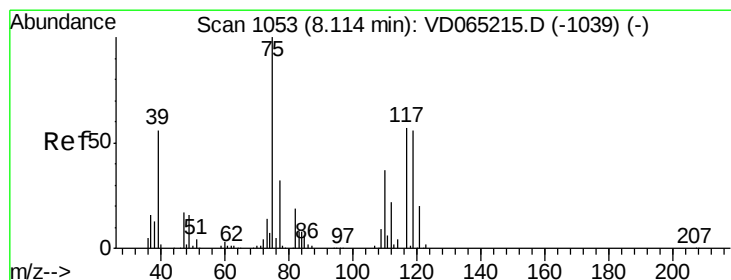
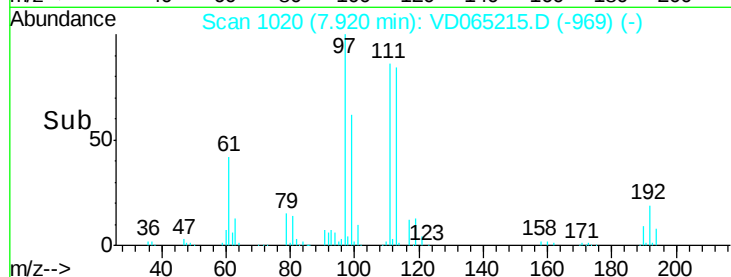
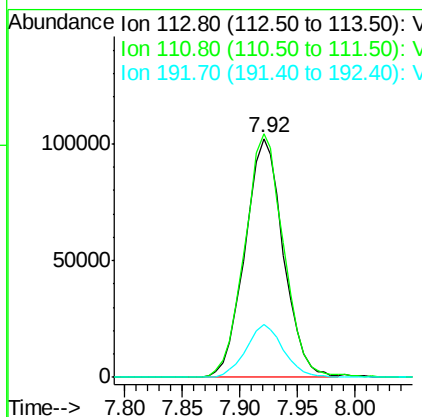
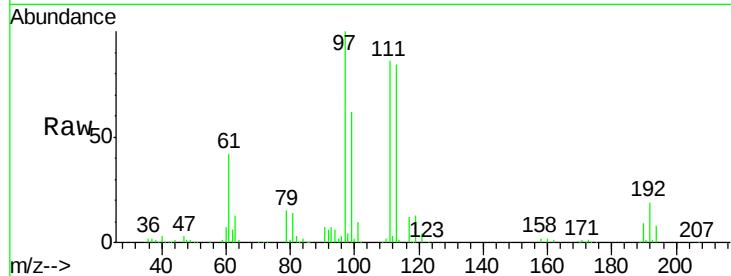
#35
 Dibromofluoromethane
 Concen: 49.227 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	237405		
111	103.6	82.9	124.3	
192	21.6	17.3	25.9	

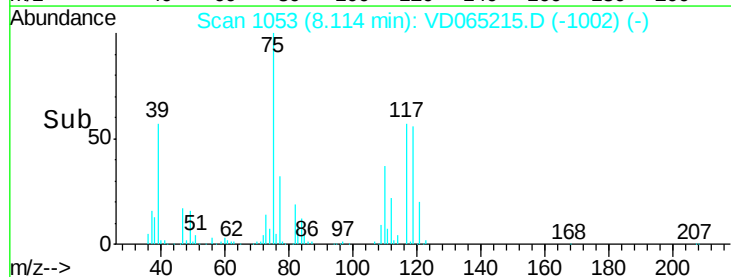
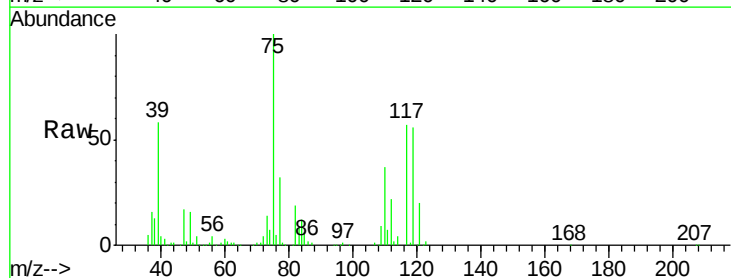
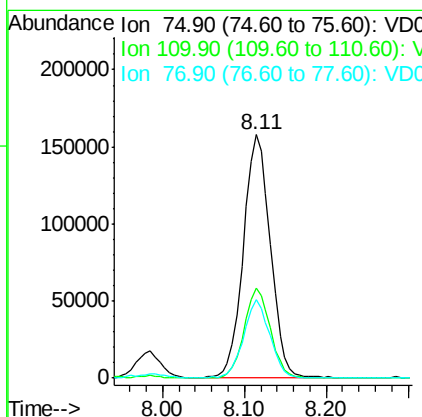
Manual Integrations
 APPROVED

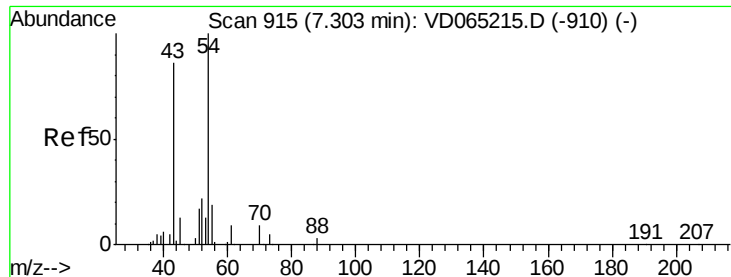
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 2/19/2020 1:44:10 PM



#36
 1,1-Dichloropropene
 Concen: 47.153 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	362884		
110	35.8	17.9	53.7	
77	31.4	25.1	37.7	





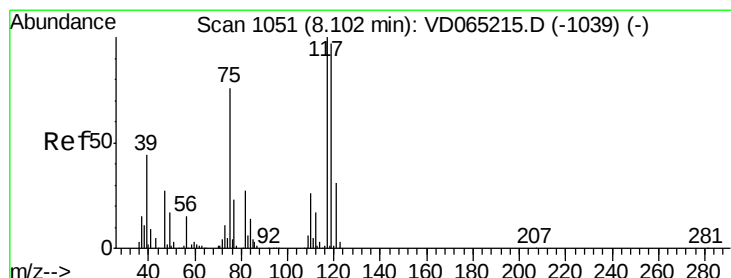
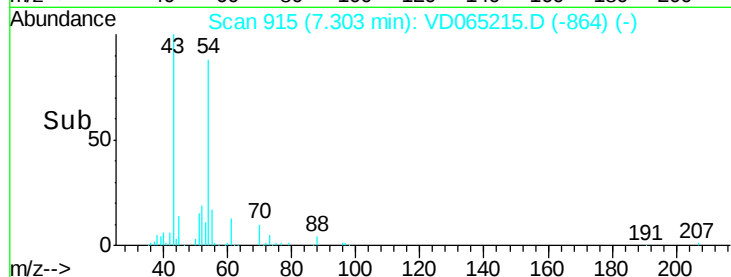
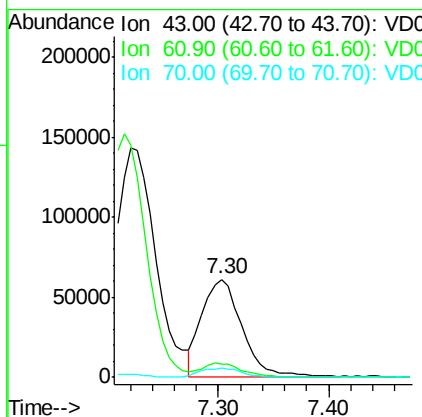
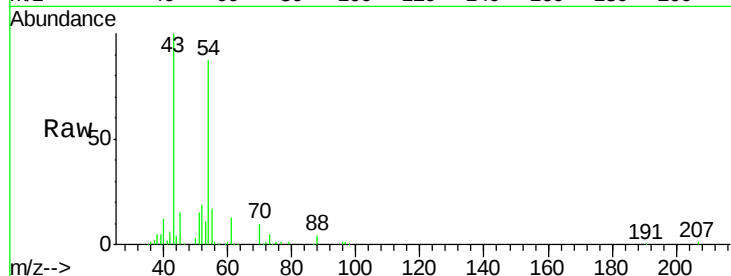
#37
Ethyl Acetate
Concen: 46.909 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	10.2	8.2	12.2

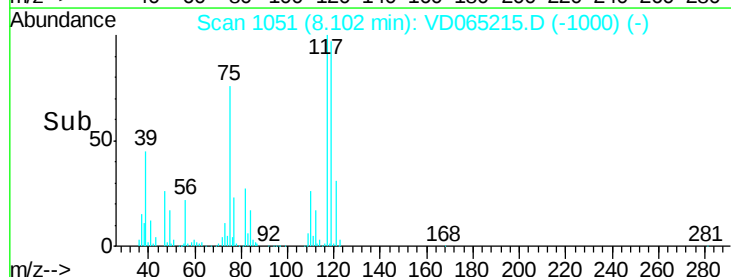
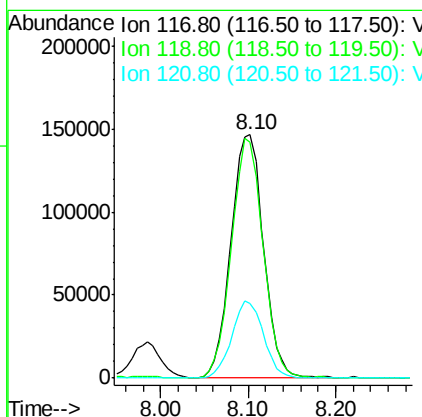
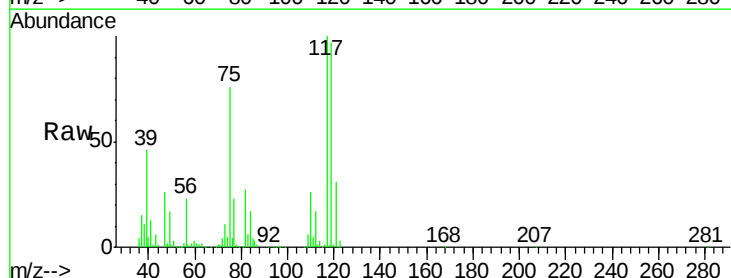
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 46.792 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.6	116.4
121	31.0	24.8	37.2





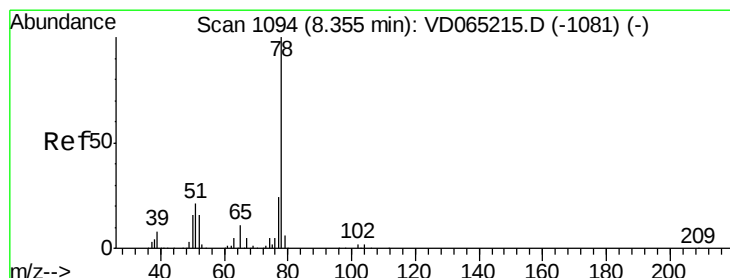
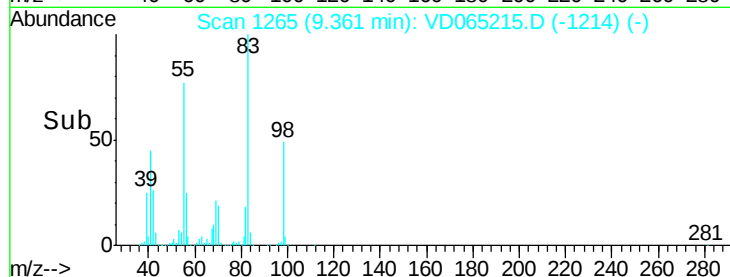
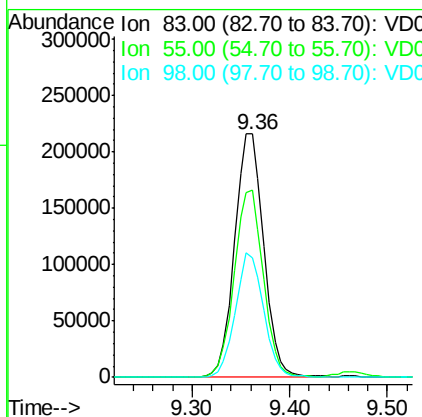
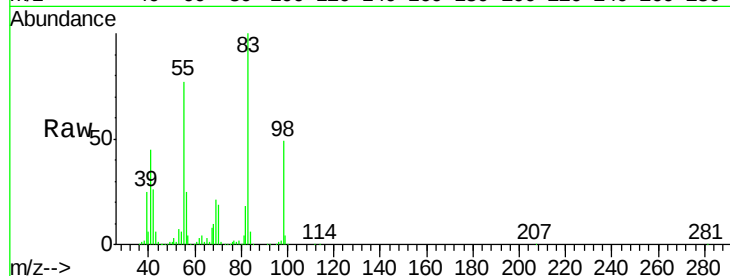
#39
Methylvlcvclohexane
Concen: 49.456 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.8	92.6
98	49.2	39.4	59.0

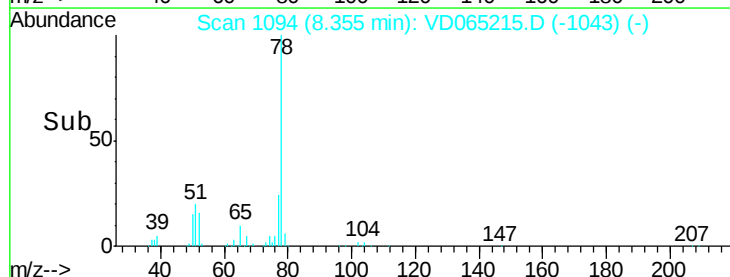
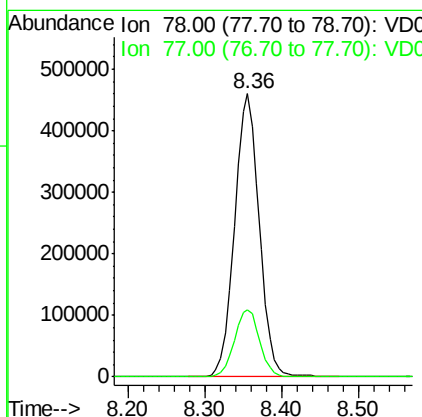
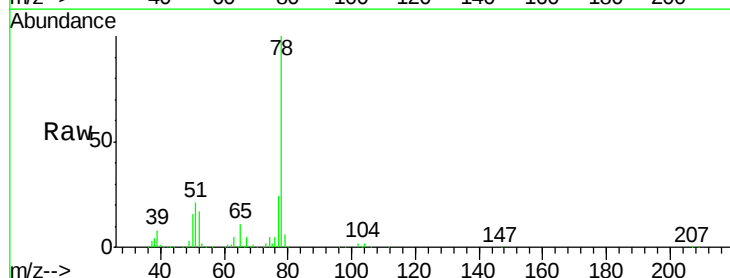
Manual Integrations
APPROVED

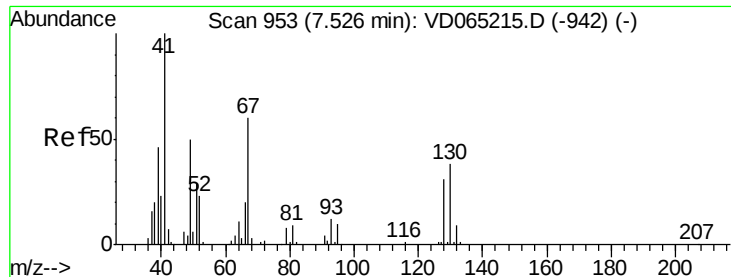
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#40
Benzene
Concen: 47.436 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





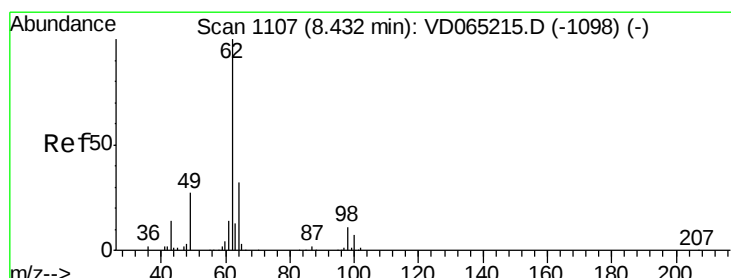
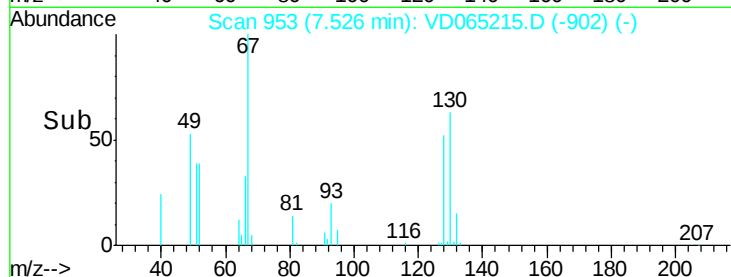
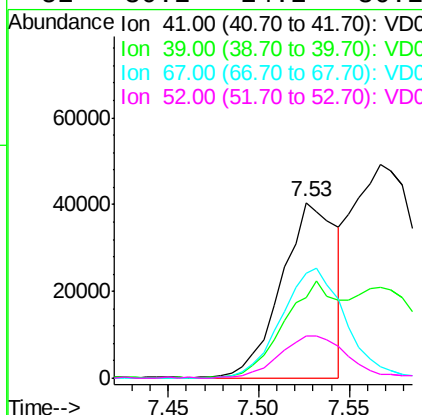
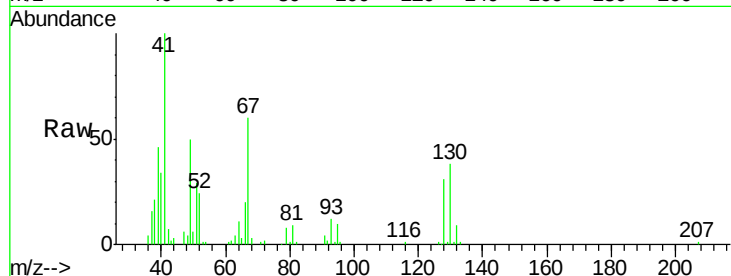
#41
Methacrylonitrile
Concen: 46.200 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.1	48.1	72.1
67	73.6	58.9	88.3
52	30.2	24.2	36.2

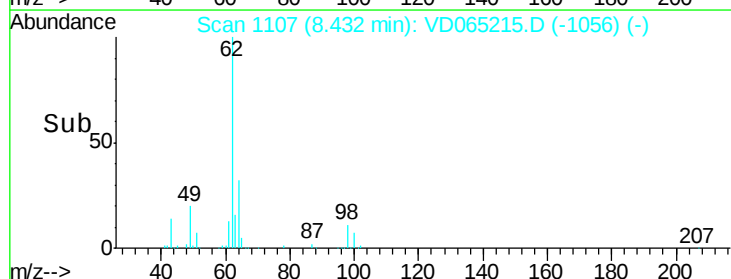
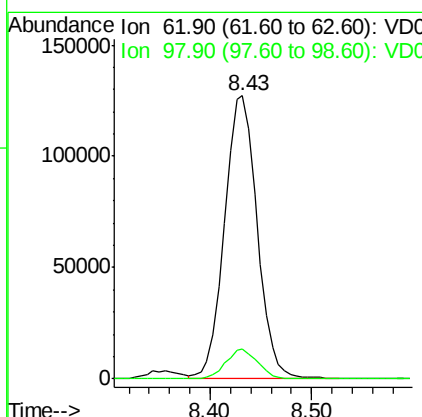
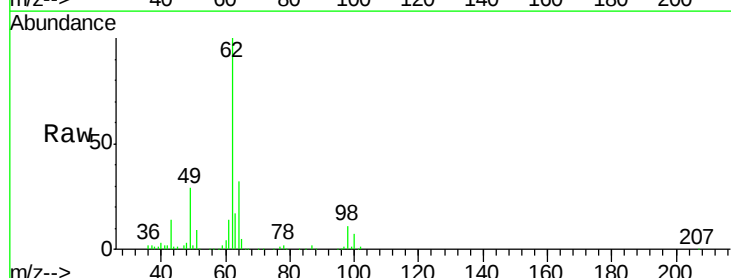
Manual Integrations
APPROVED

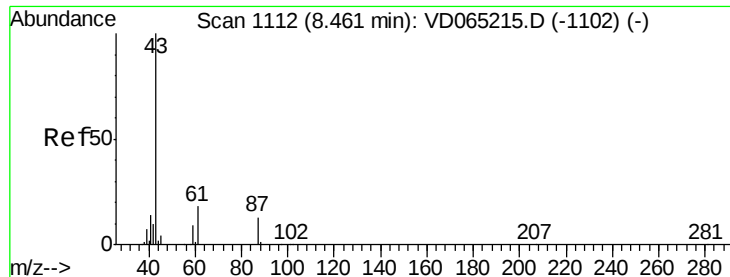
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#42
1,2-Dichloroethane
Concen: 47.387 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 49.648 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

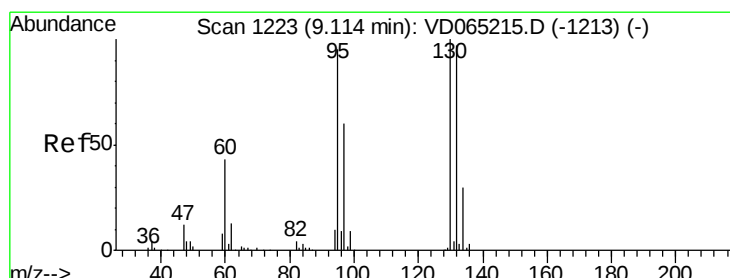
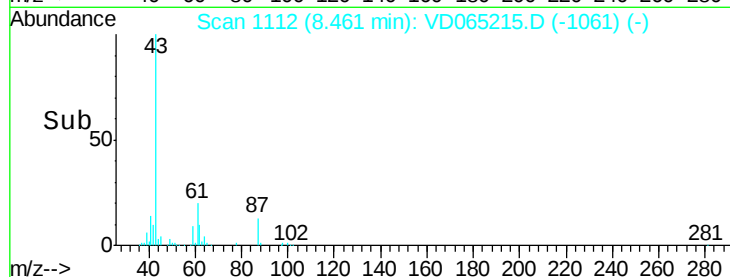
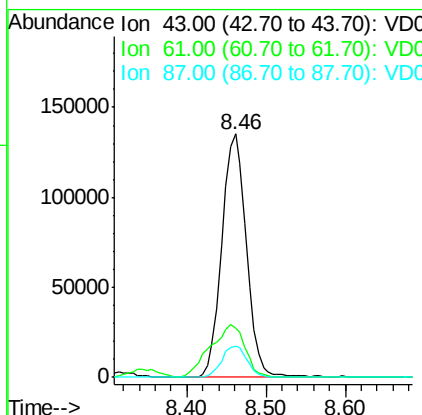
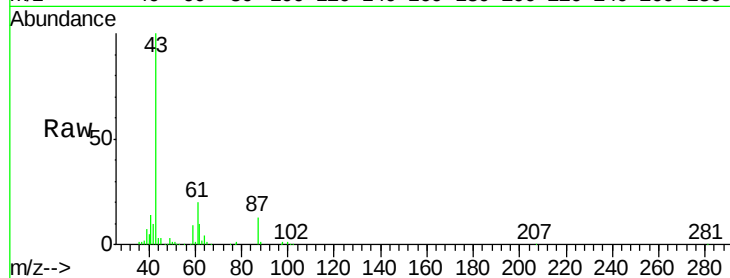
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	290461
Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.6	36.8
87	13.3	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 46.989 ug/l

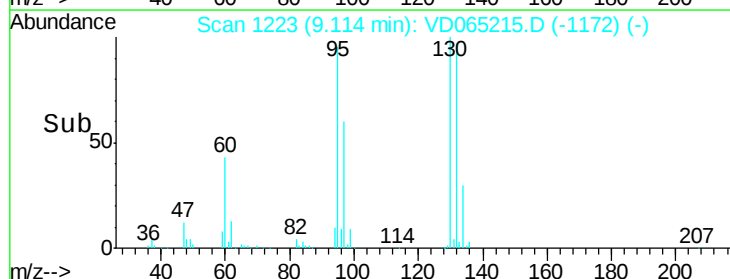
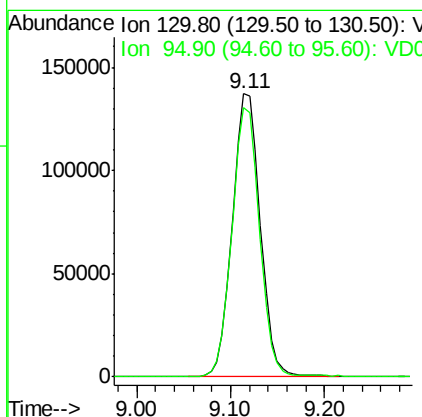
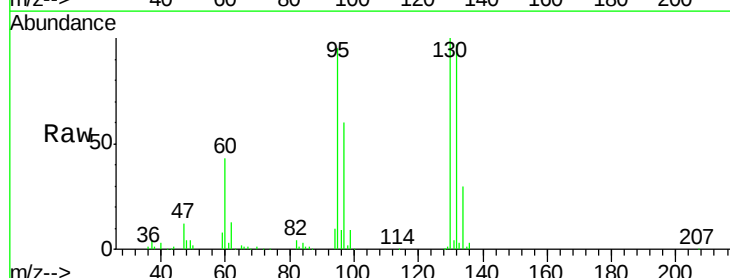
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Tgt Ion:	130	Resp:	282935
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	190.6





#45

1,2-Dichloropropane

Concen: 47.677 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 257522

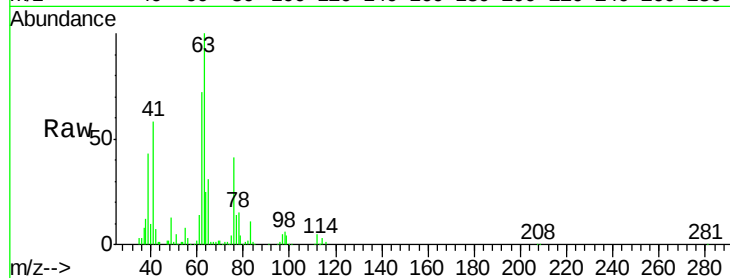
Ion Ratio Lower Upper

63 100

65 31.1 24.9 37.3

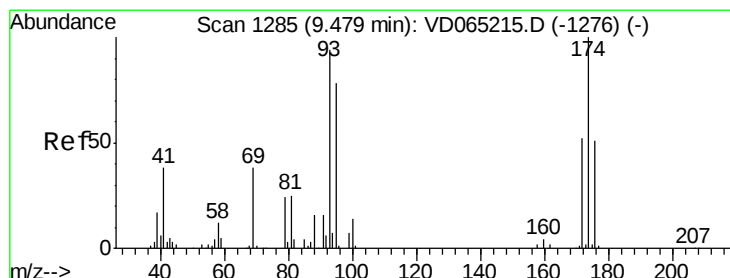
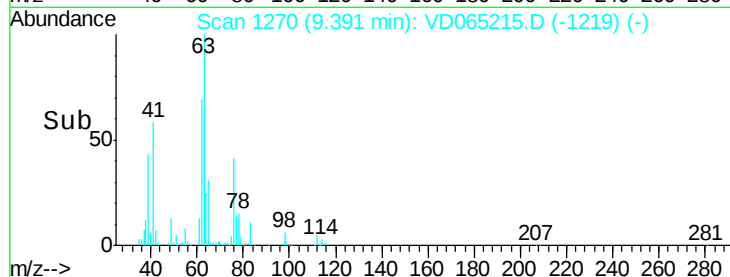
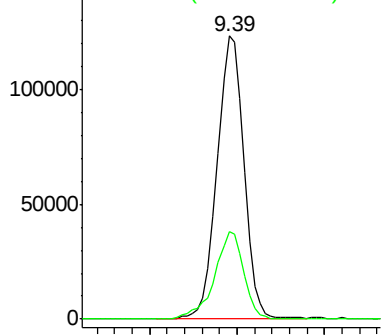
Manual Integrations
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.425 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

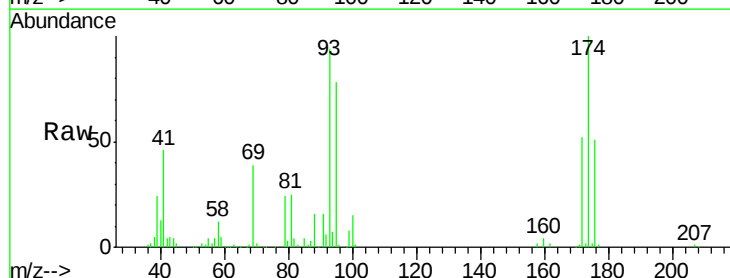
Tgt Ion: 93 Resp: 134578

Ion Ratio Lower Upper

93 100

95 82.2 65.8 98.6

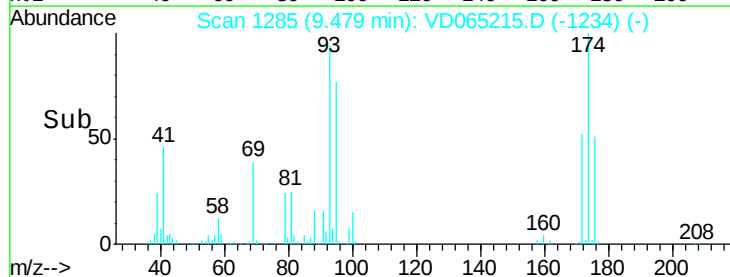
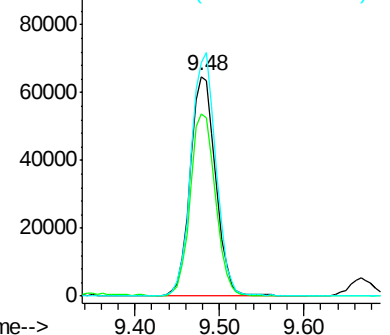
174 108.5 86.8 130.2

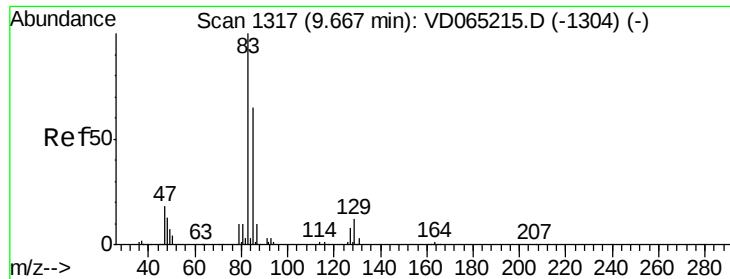


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 47.343 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

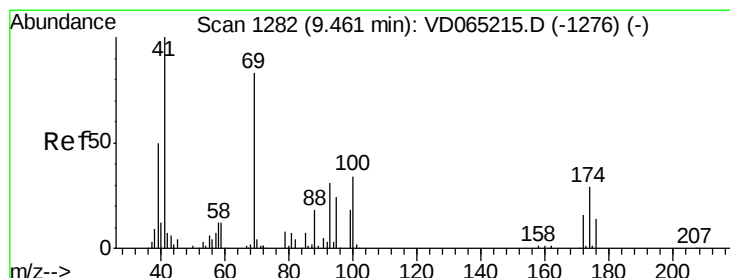
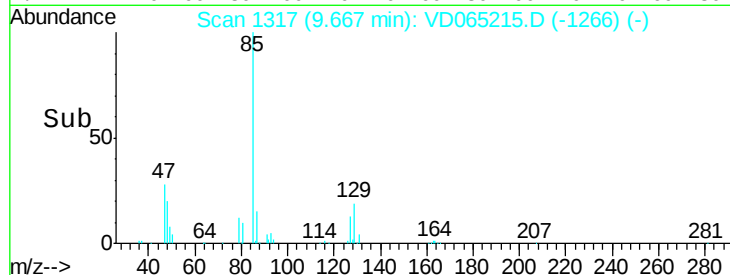
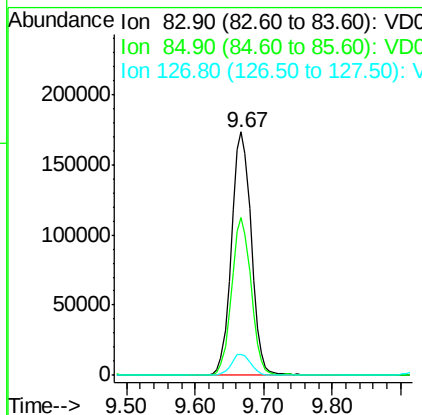
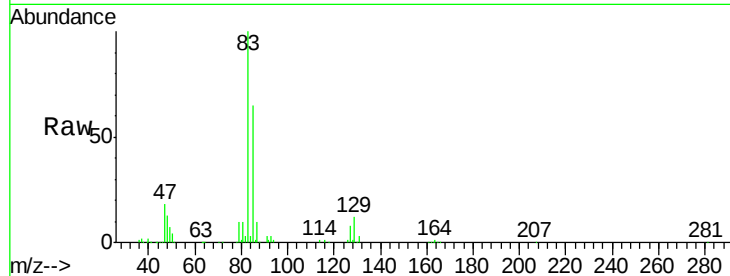
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	346739
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.0	78.0
127	8.4	6.7	10.1

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#48

Methyl methacrylate

Concen: 51.707 ug/l

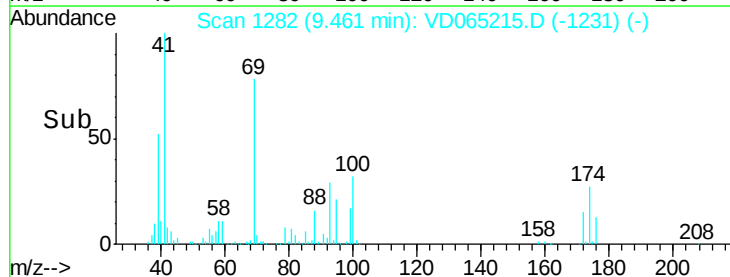
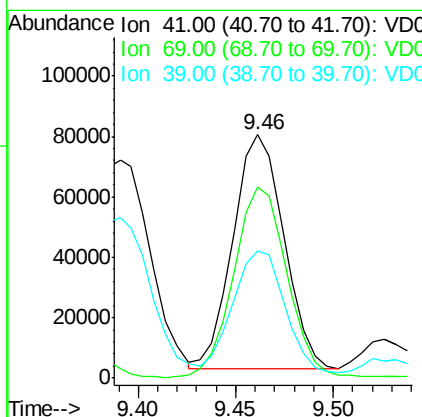
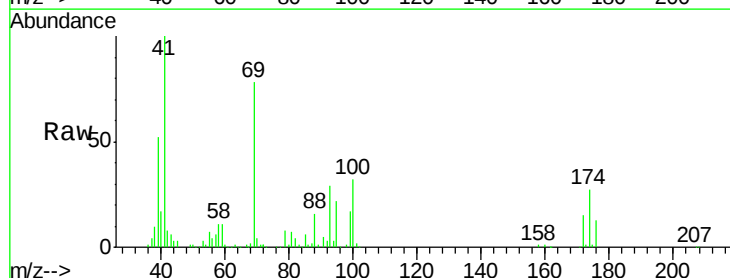
RT: 9.46 min Scan# 1282

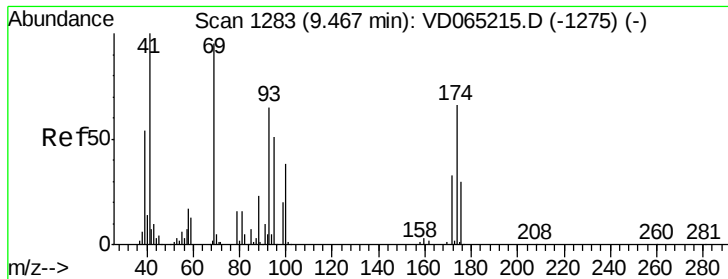
Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Tgt Ion:	41	Resp:	139827
Ion	Ratio	Lower	Upper
41	100		
69	85.2	68.2	102.2
39	52.5	42.0	63.0





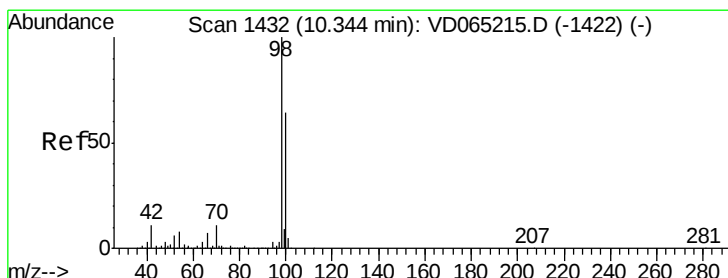
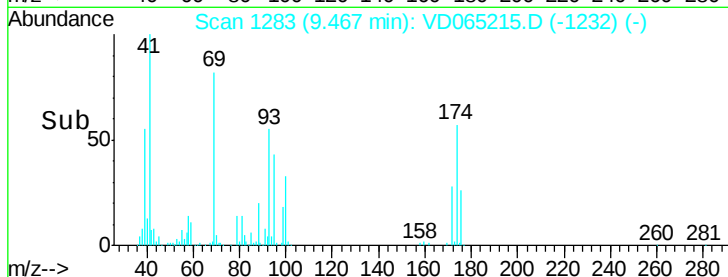
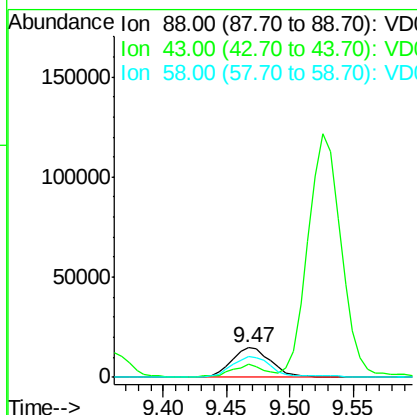
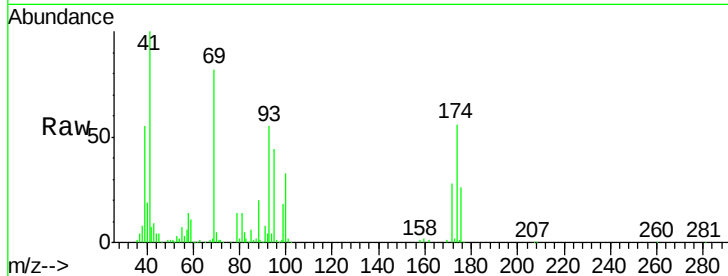
#49
1,4-Dioxane
Concen: 990.120 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.5	42.7
58	73.2	58.6	87.8

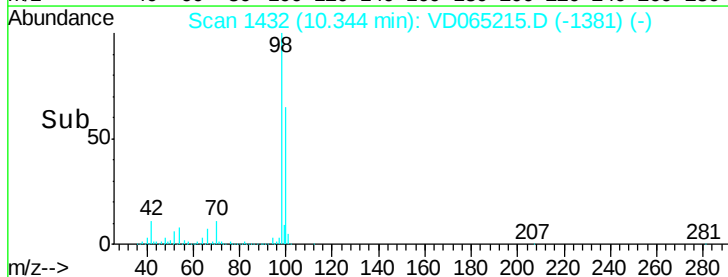
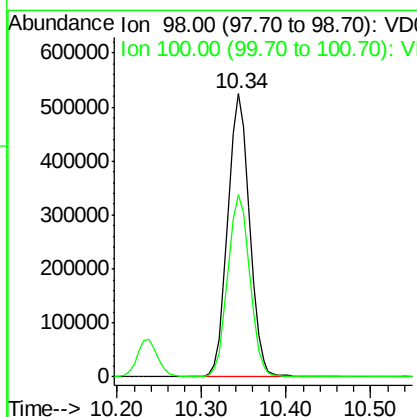
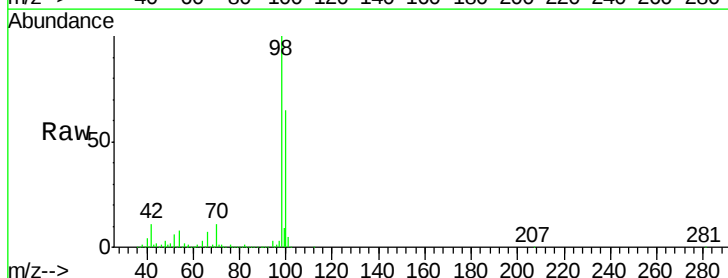
Manual Integrations
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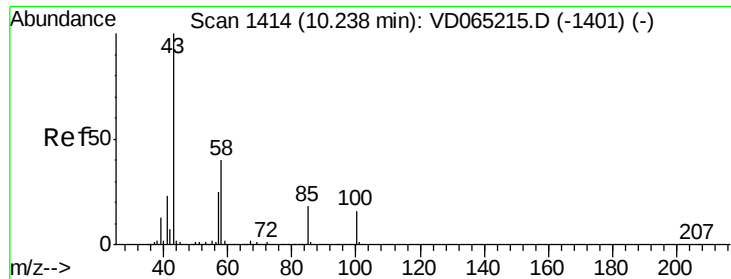
MMDadoda
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#50
Toluene-d8
Concen: 50.556 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0





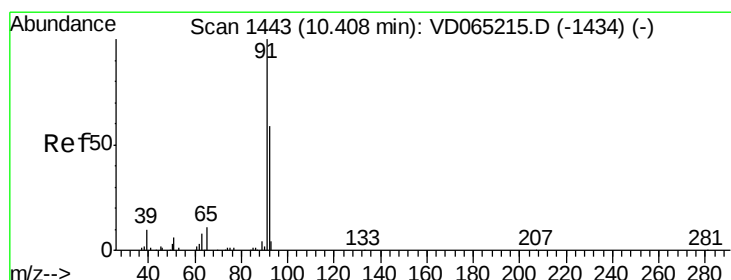
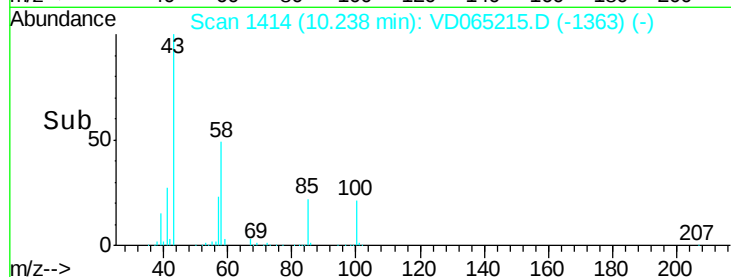
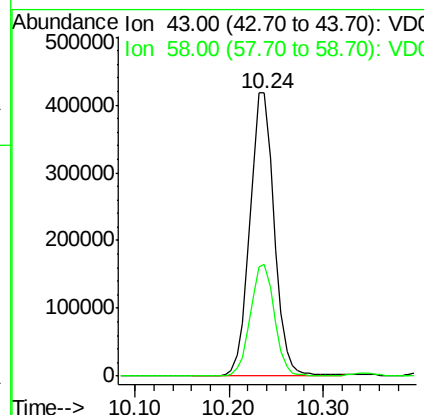
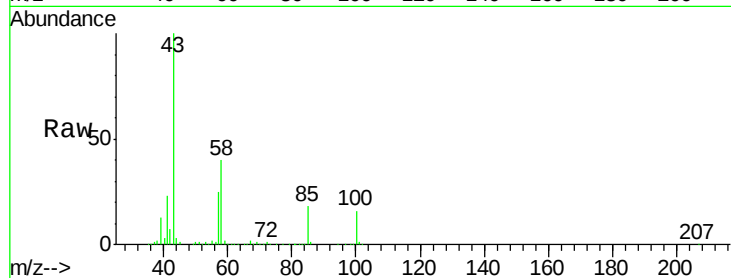
#51
4-Methyl-2-Pentanone
Concen: 253.383 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.1	46.7

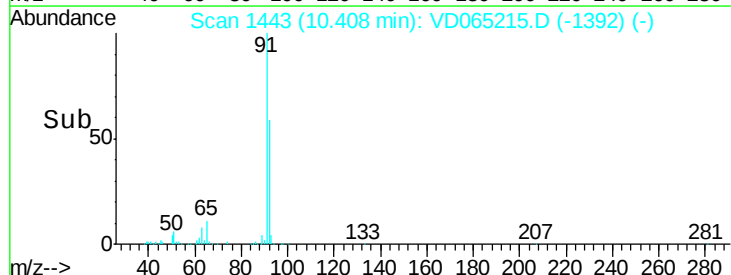
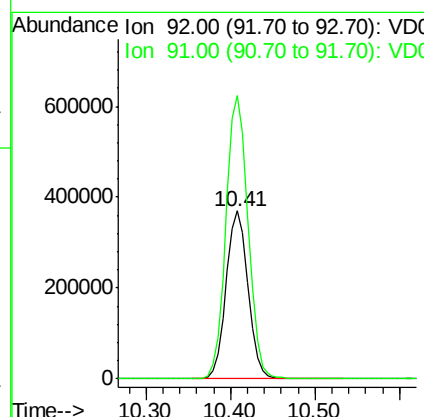
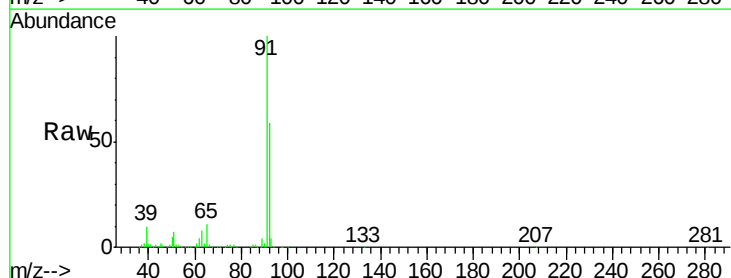
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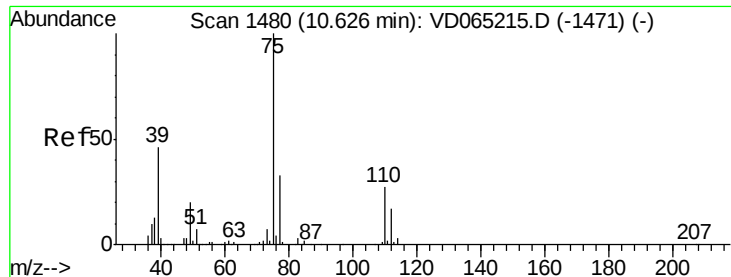
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#52
Toluene
Concen: 49.406 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.4	136.3	204.5





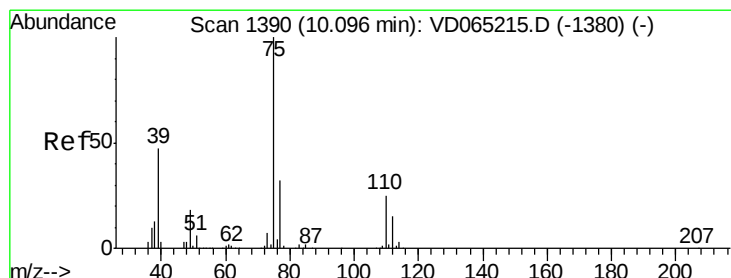
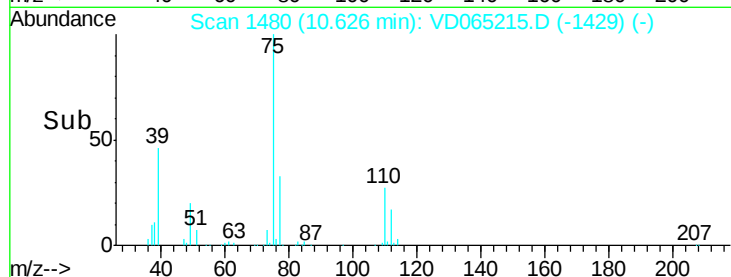
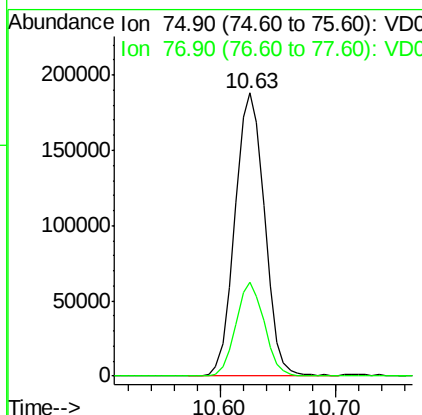
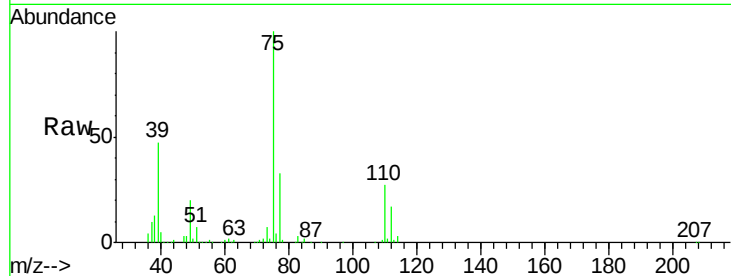
#53
t-1,3-Dichloropropene
Concen: 49.241 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	26.6	40.0

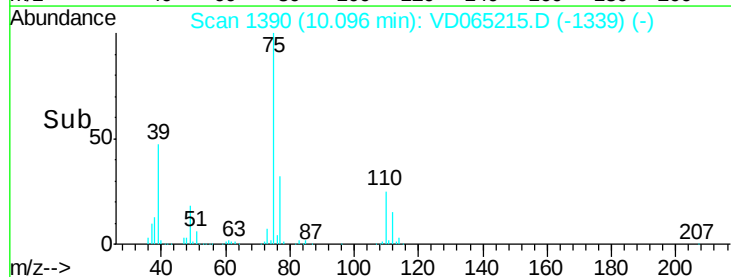
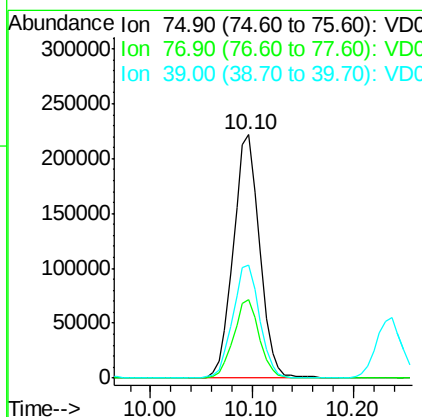
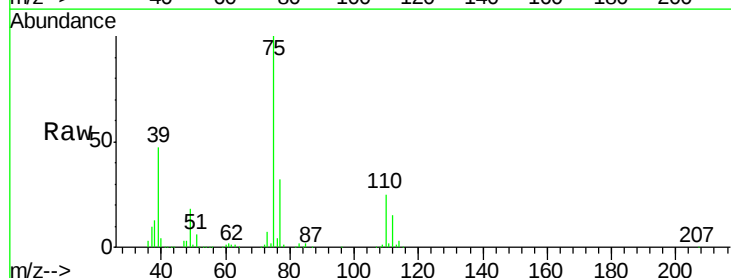
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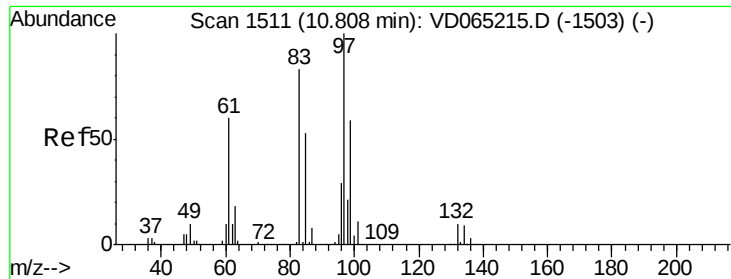
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#54
cis-1,3-Dichloropropene
Concen: 48.864 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.8
39	46.6	37.3	55.9





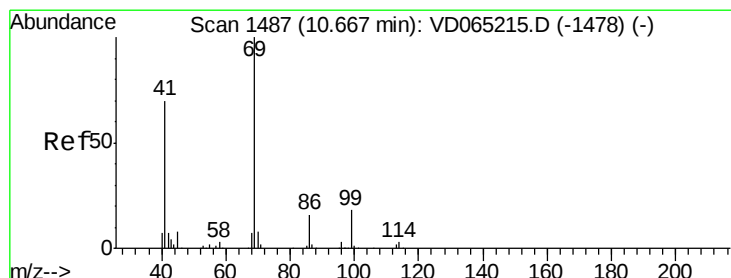
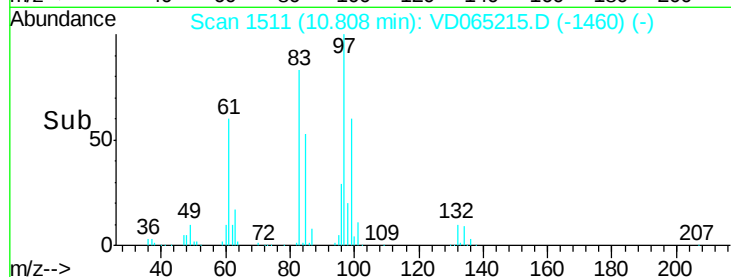
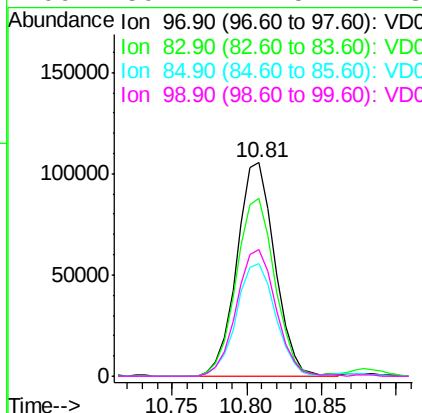
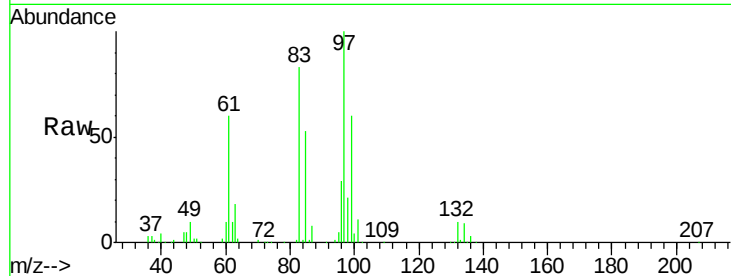
#55
 1,1,2-Trichloroethane
 Concen: 47.832 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	187101
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.7	100.1
85	53.0	42.4	63.6
99	59.4	47.5	71.3

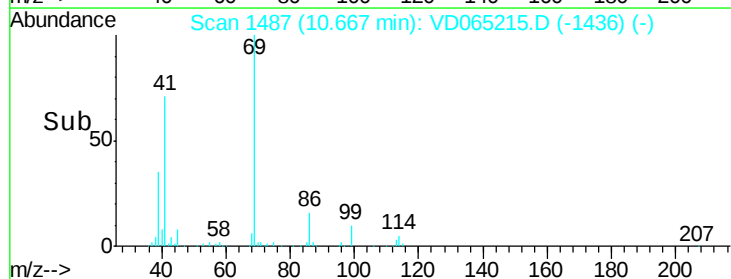
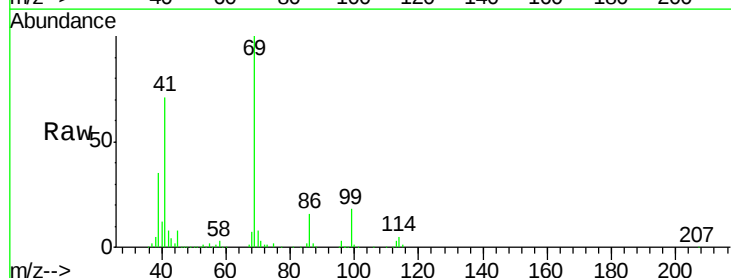
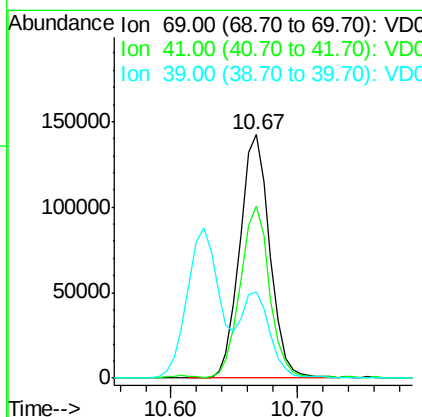
Manual Integrations
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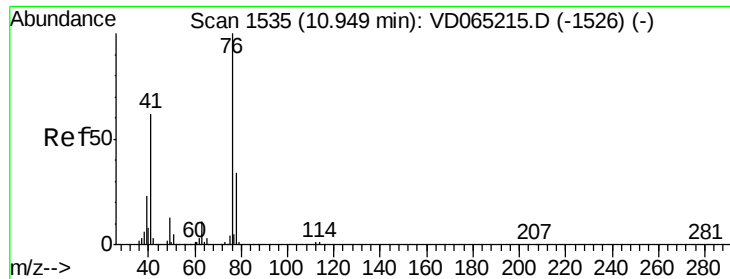
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 2/19/2020 1:44:10 PM



#56
 Ethyl methacrylate
 Concen: 51.729 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion:	69	Resp:	233550
Ion	Ratio	Lower	Upper
69	100		
41	68.2	54.6	81.8
39	33.1	26.5	39.7





#57

1,3-Dichloropropane

Concen: 48.167 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 320676

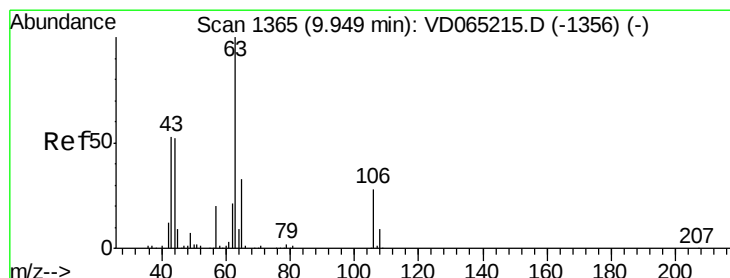
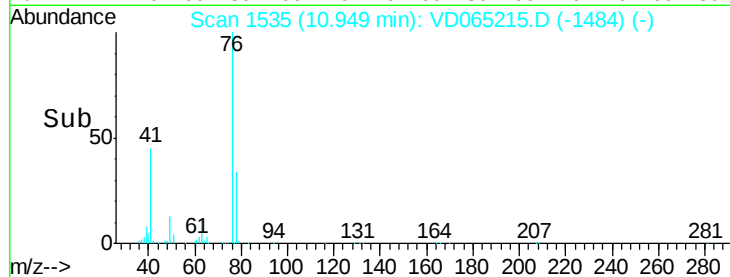
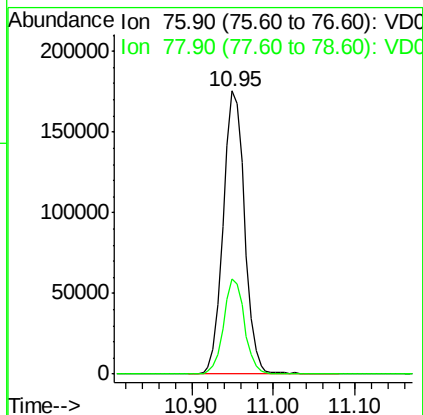
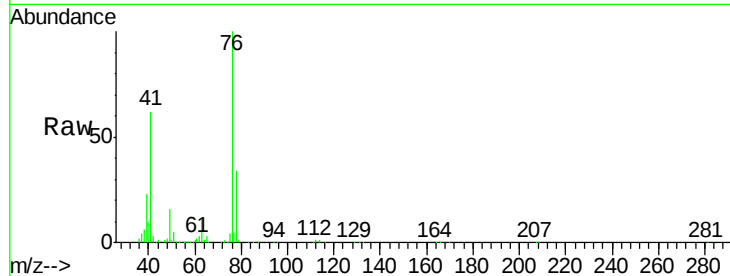
Ion Ratio Lower Upper

76 100

78 32.9 26.3 39.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 223.160 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065215.D

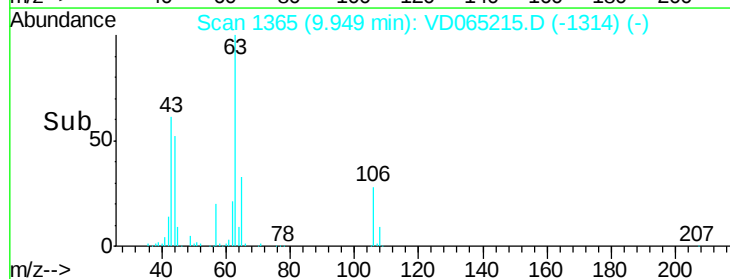
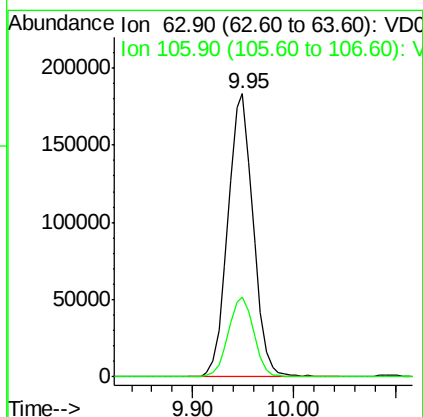
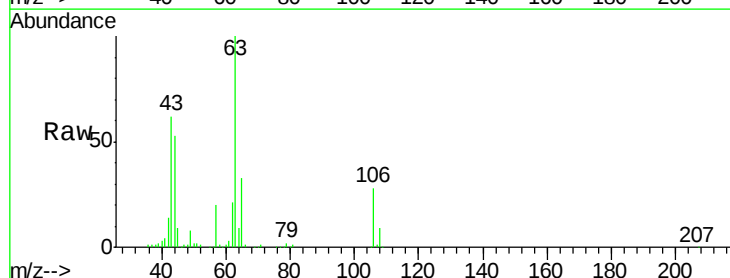
Acq: 18 Feb 2020 11:58

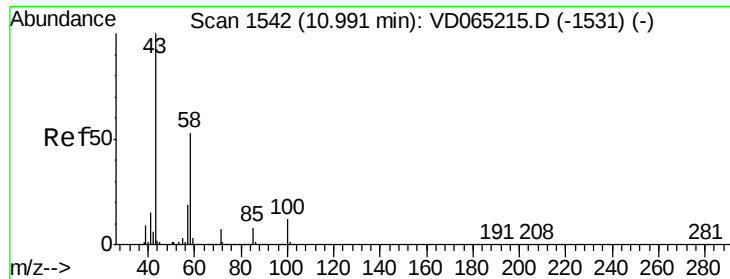
Tgt Ion: 63 Resp: 317650

Ion Ratio Lower Upper

63 100

106 28.5 22.8 34.2





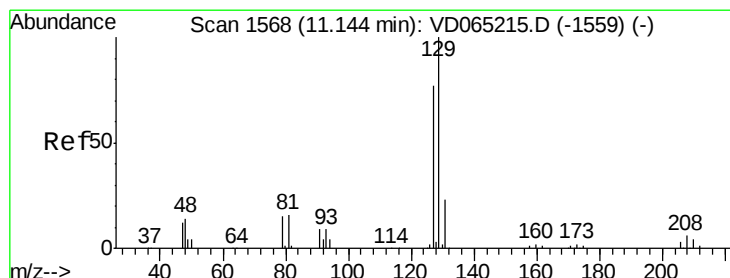
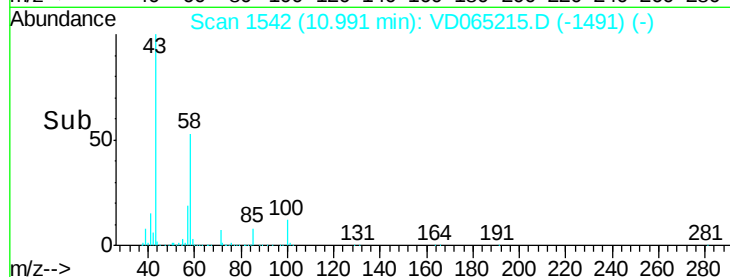
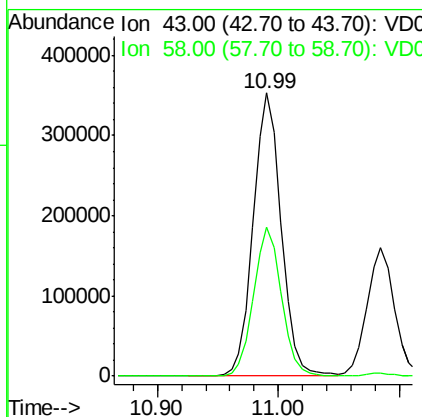
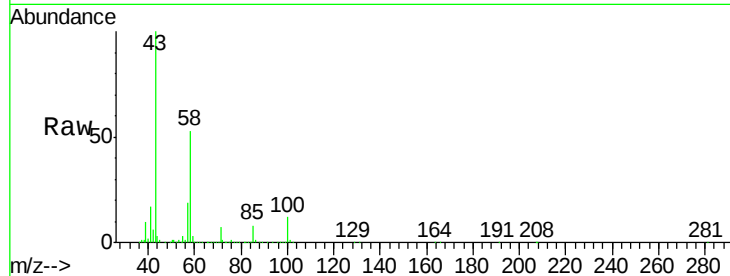
#59
2-Hexanone
Concen: 268.979 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.5	26.3	78.8

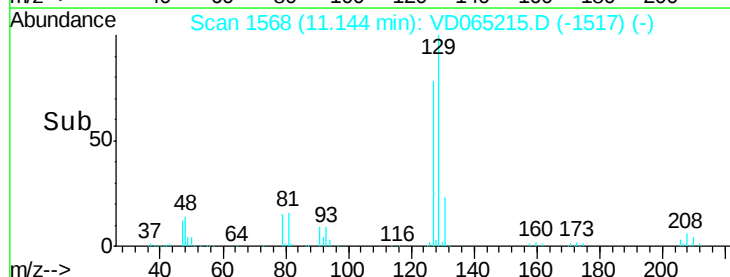
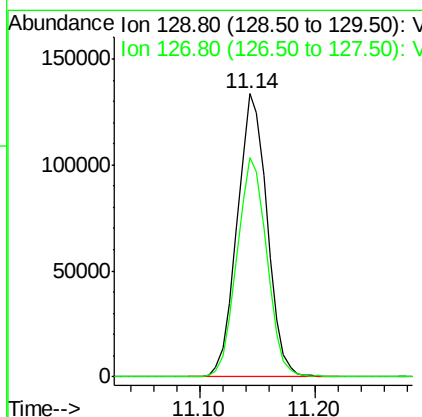
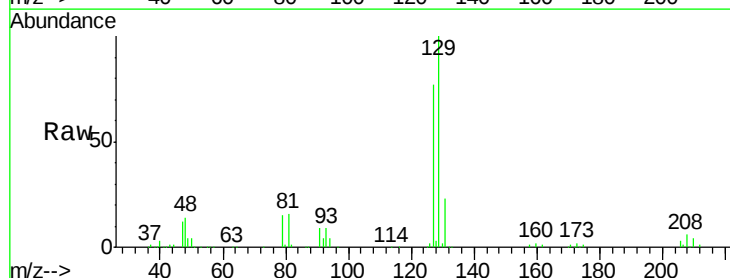
Manual Integrations
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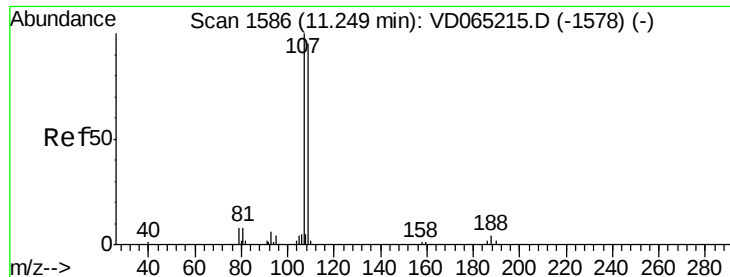
MMDadoda
2/19/2020 1:44:10 PM



#60
Dibromochloromethane
Concen: 48.060 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.7	116.1





#61

1,2-Dibromoethane

Concen: 48.733 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 180486

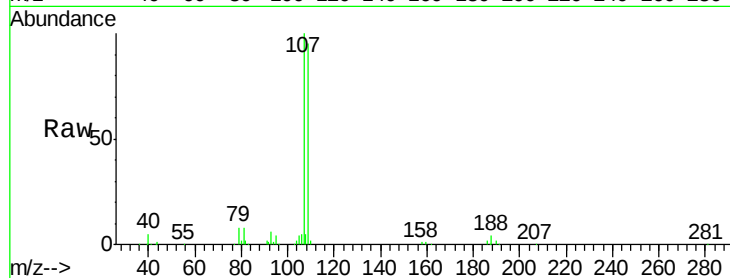
Ion Ratio Lower Upper

107 100

109 95.3 76.2 114.4

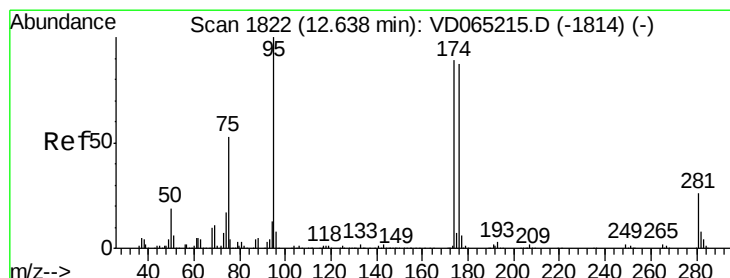
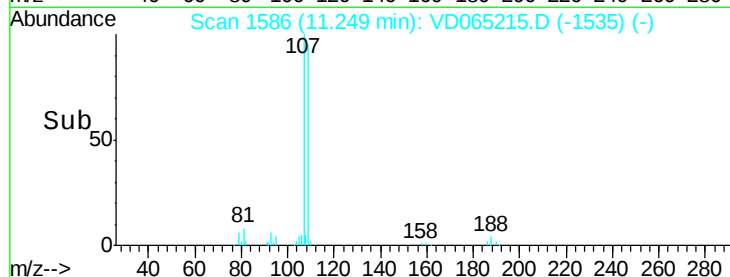
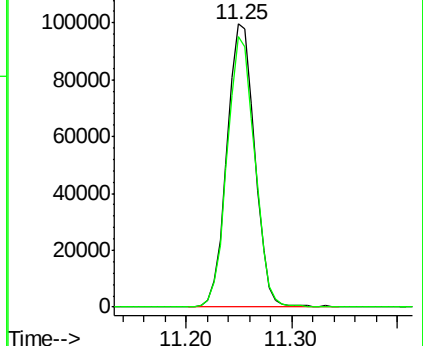
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.266 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

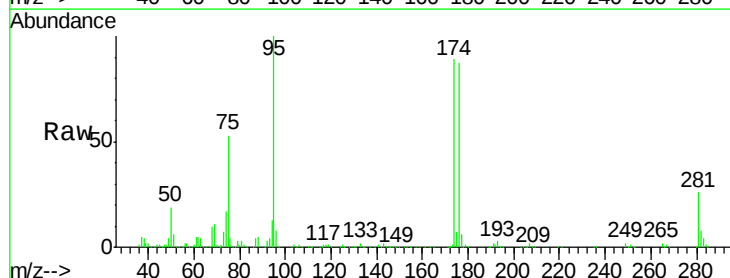
Tgt Ion: 95 Resp: 293583

Ion Ratio Lower Upper

95 100

174 89.0 0.0 178.0

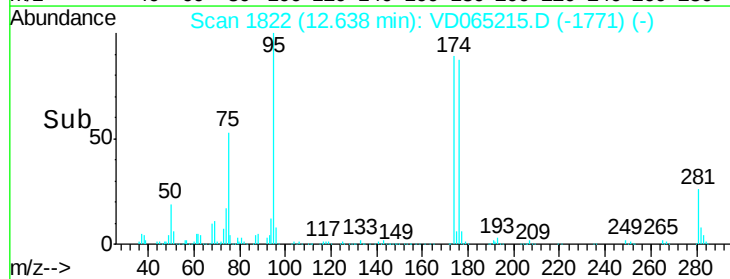
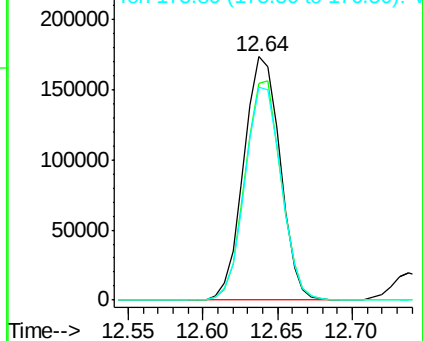
176 87.2 0.0 174.4

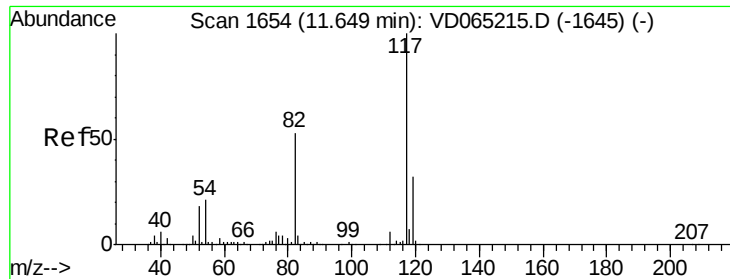


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





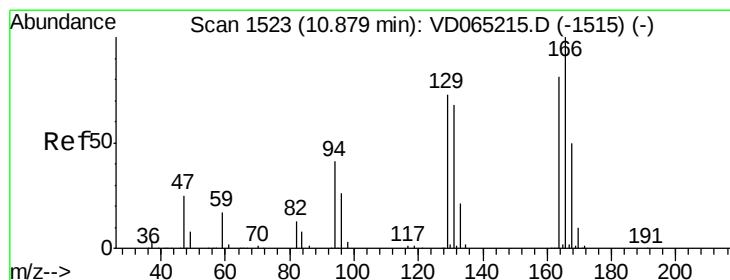
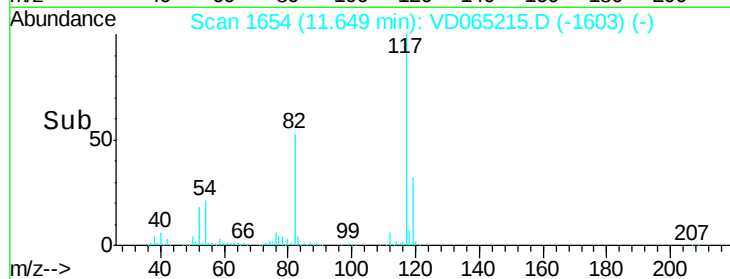
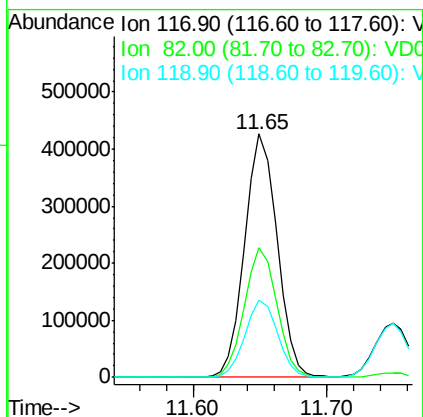
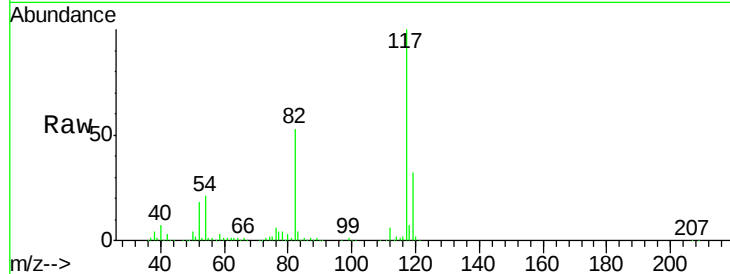
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.7	64.1
119	31.9	25.5	38.3

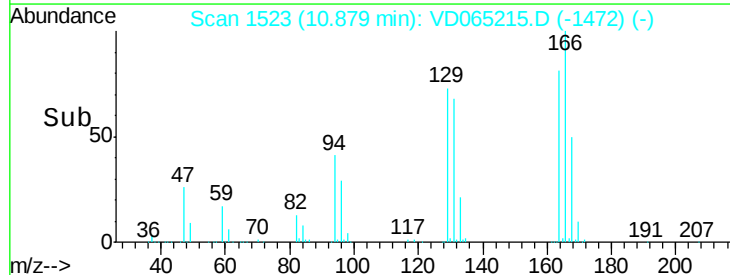
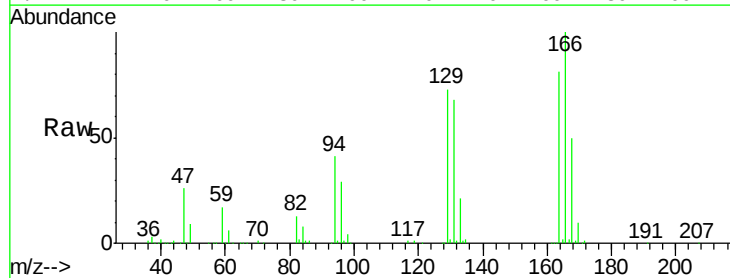
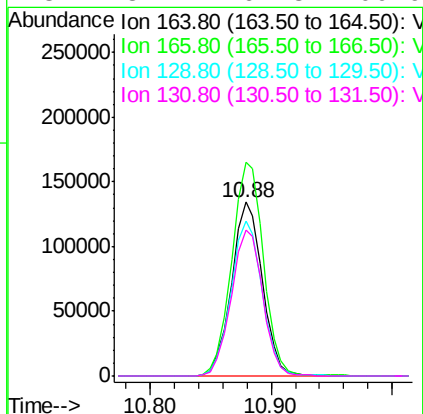
Manual Integrations
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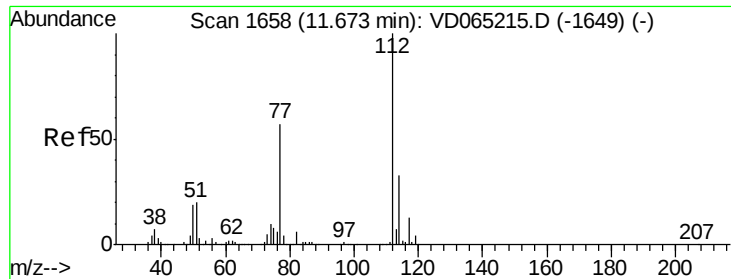
MMDadoda
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#64
Tetrachloroethene
Concen: 46.875 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	98.4	147.6
129	89.5	71.6	107.4
131	84.1	67.3	100.9





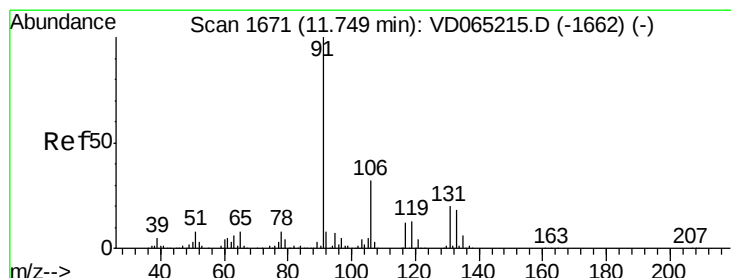
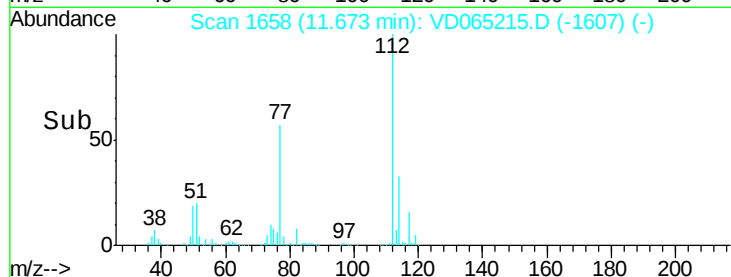
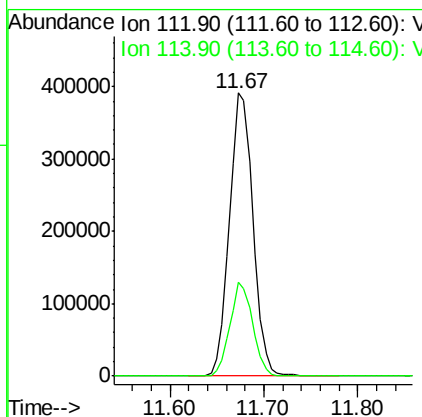
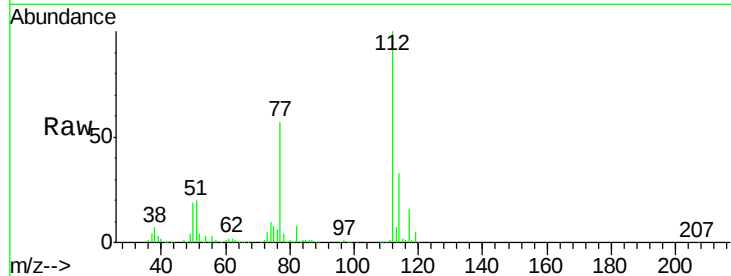
#65
Chlorobenzene
Concen: 47.255 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	26.4	39.6

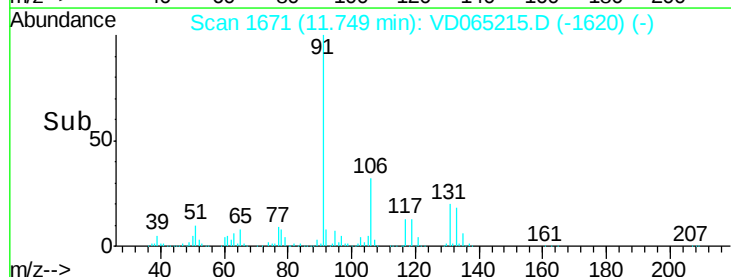
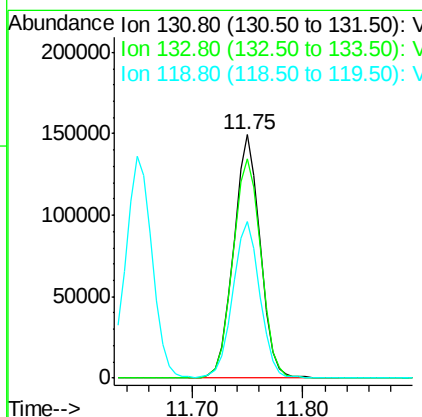
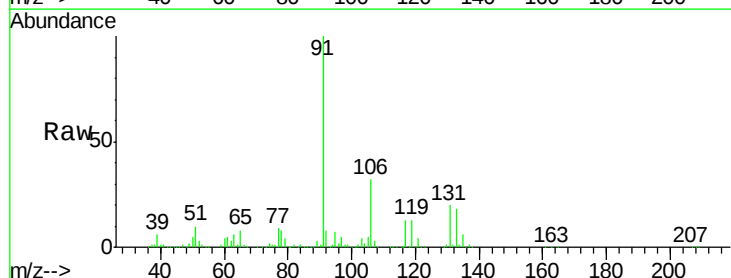
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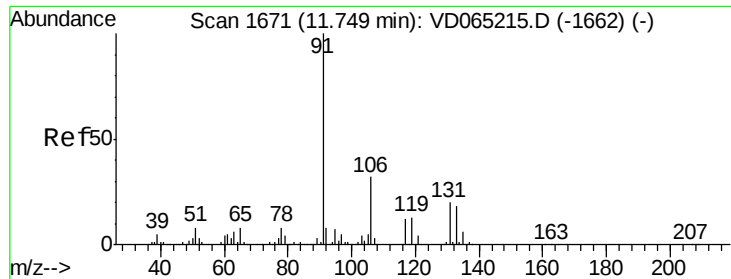
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.982 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.7	143.1
119	65.4	32.7	98.1





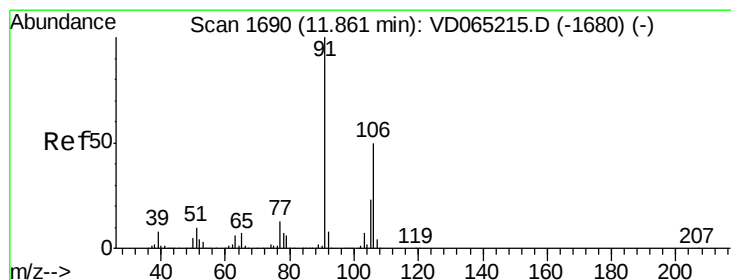
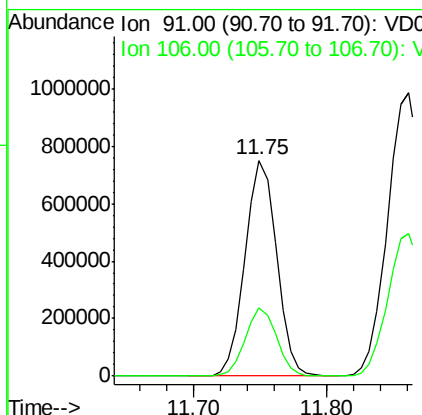
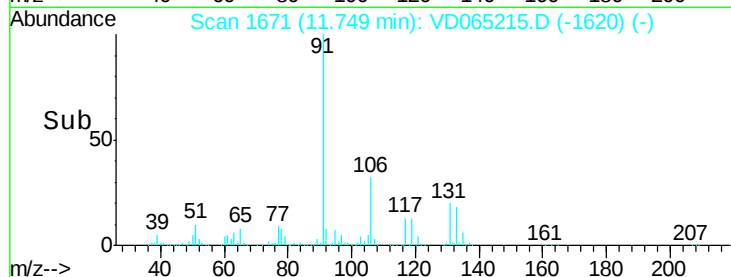
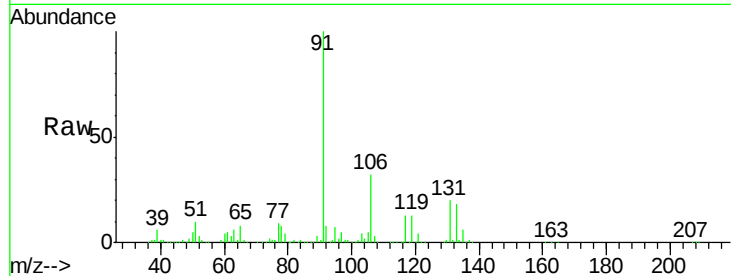
#67
Ethyl Benzene
Concen: 48.717 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1229376
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

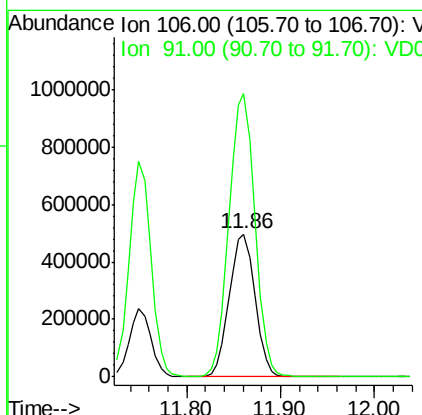
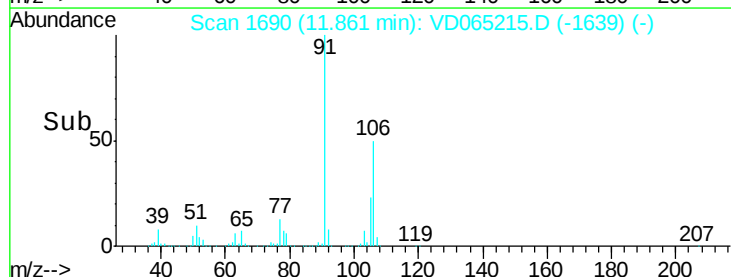
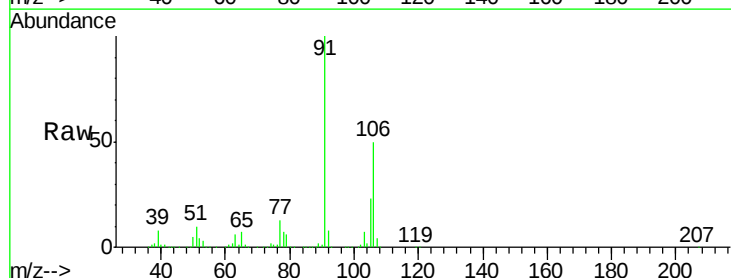
Manual Integrations
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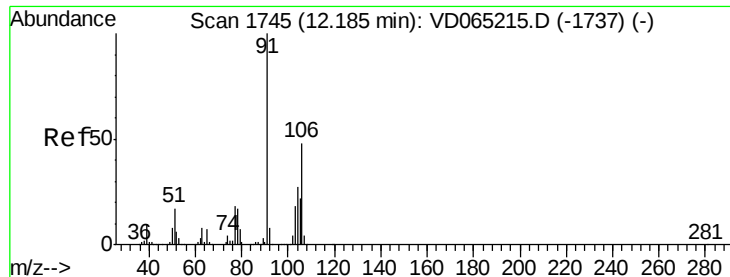
MMDadoda
2/19/2020 1:44:10 PM



#68
m/p-Xylenes
Concen: 98.586 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion: 106 Resp: 951826
Ion Ratio Lower Upper
106 100
91 197.8 158.2 237.4





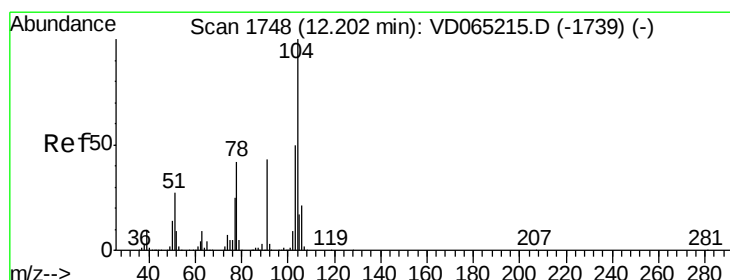
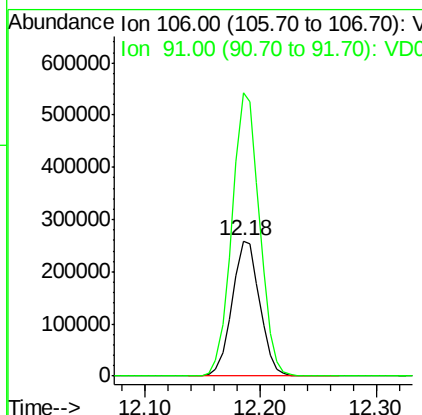
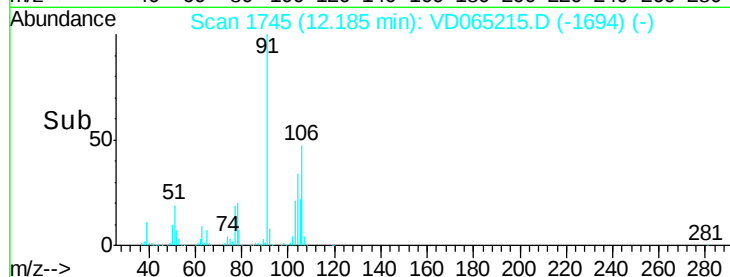
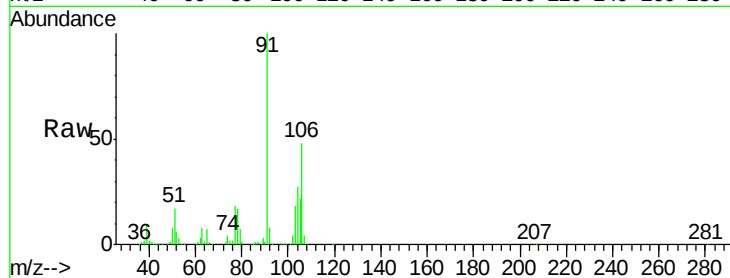
#69
o-Xylene
Concen: 50.076 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	209.3	104.7	313.9		

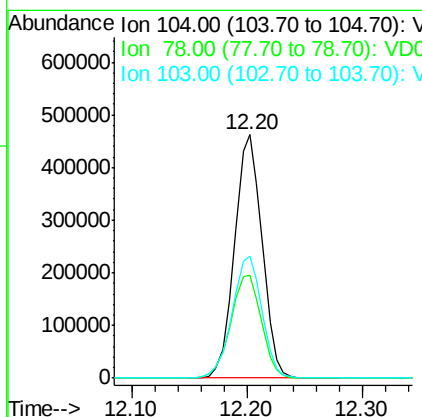
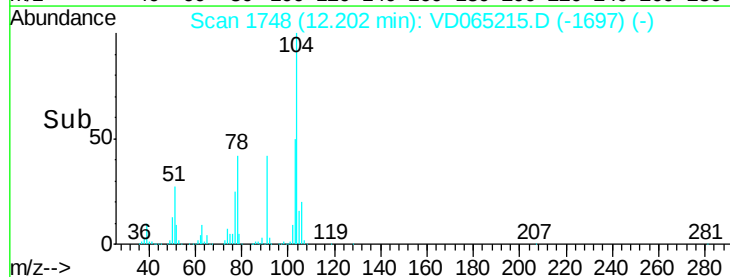
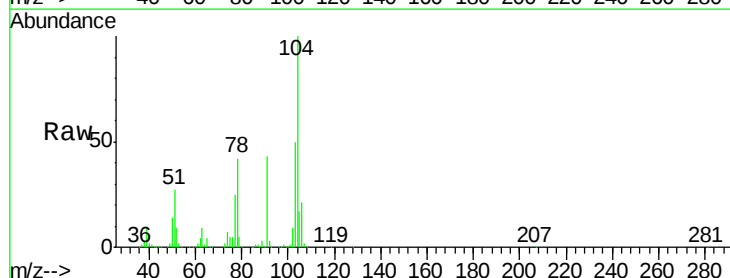
Manual Integrations
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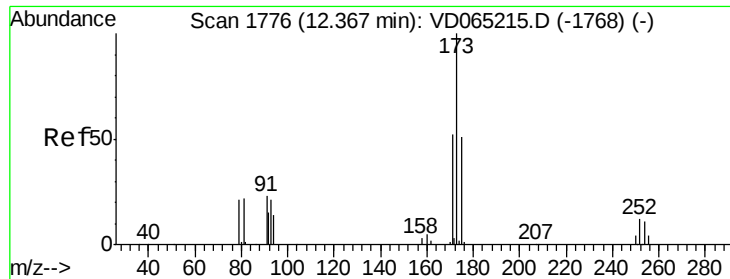
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#70
Styrene
Concen: 50.083 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.2	37.8	56.6		
103	54.3	43.4	65.2		





#71

Bromoform

Concen: 47.348 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

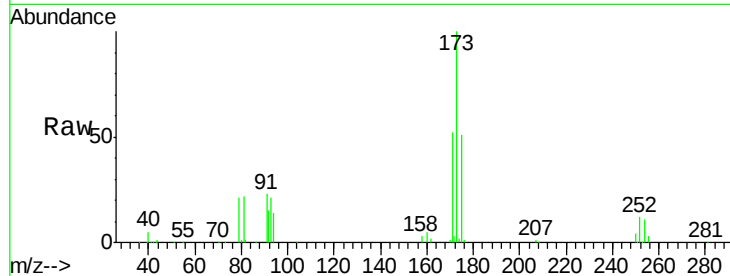
ClientSampleId :

VSTDICCC050

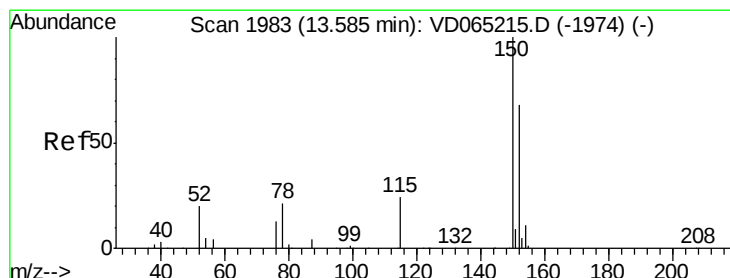
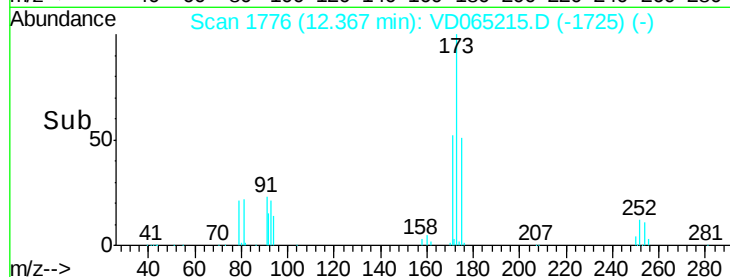
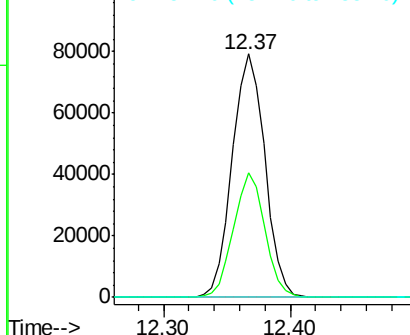
Tot Ion:	173	Resp:	141269
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.4	73.4
254	0.0	0.0	0.0

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

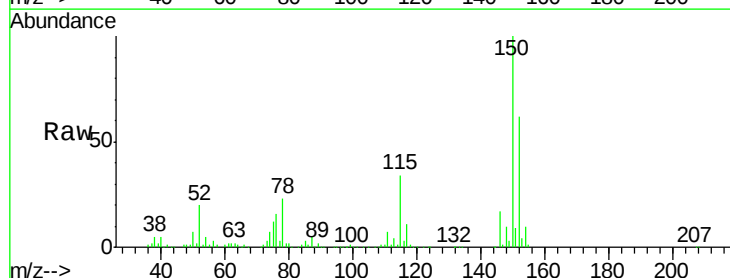
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

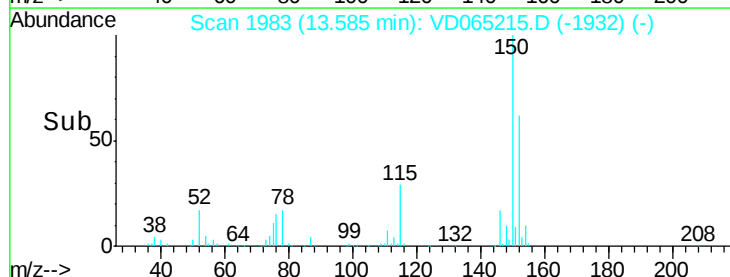
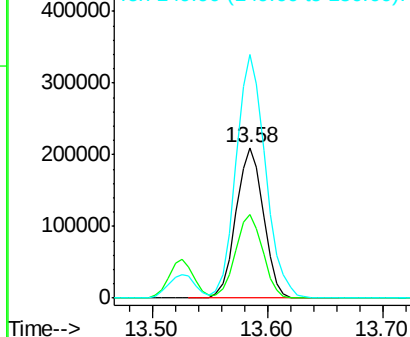
Lab File: VD065215.D

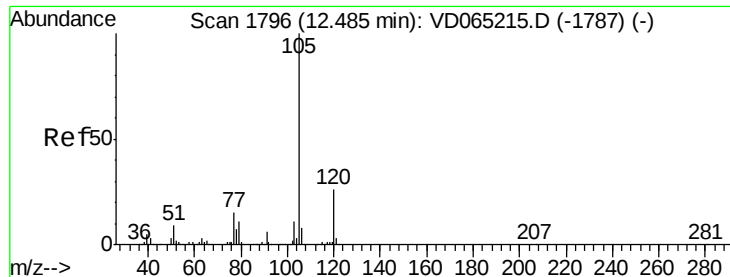
Acq: 18 Feb 2020 11:58

Tgt Ion:	152	Resp:	344277
Ion Ratio	Lower	Upper	
152	100		
115	55.2	27.6	82.8
150	173.7	0.0	347.4



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: 50.693 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 1155428

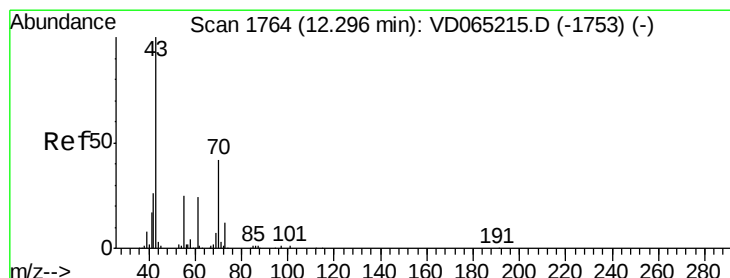
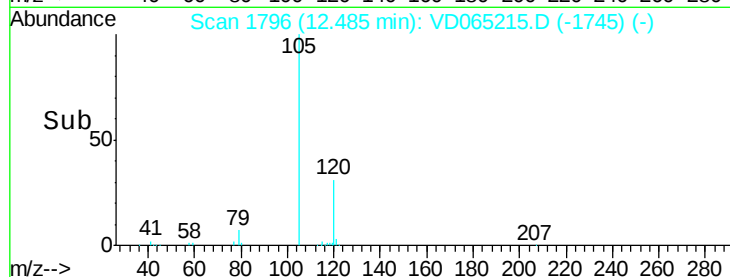
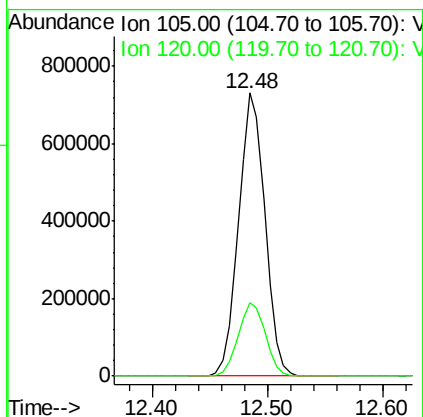
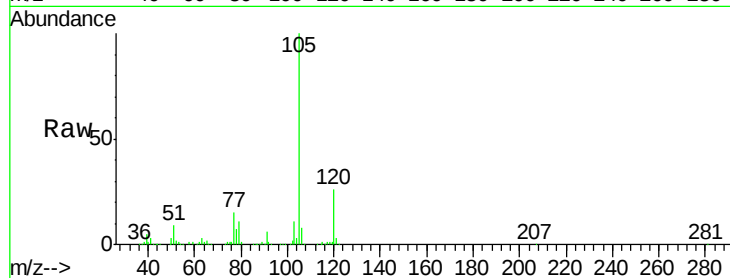
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9

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#74

N-ethyl acetate

Concen: 52.407 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Tgt Ion: 43 Resp: 265423

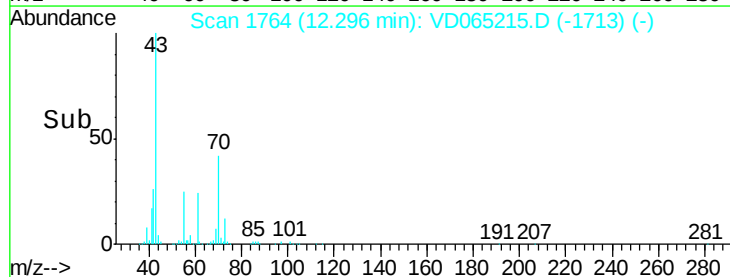
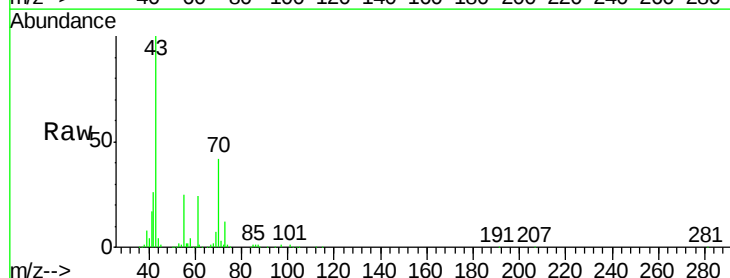
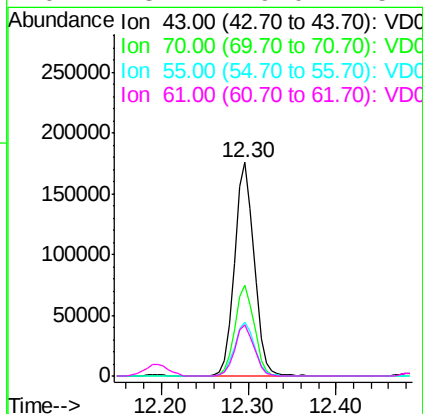
Ion Ratio Lower Upper

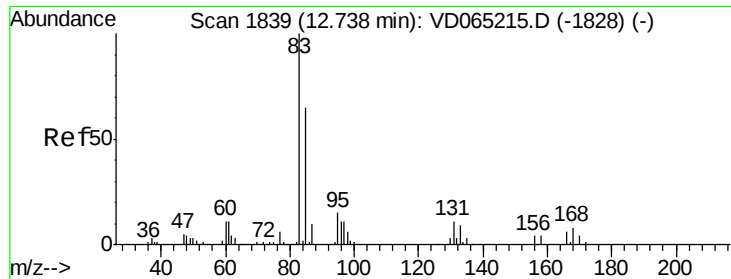
43 100

70 42.1 33.7 50.5

55 25.9 20.7 31.1

61 23.7 19.0 28.4





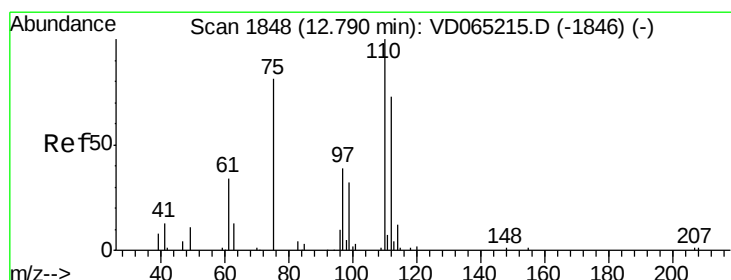
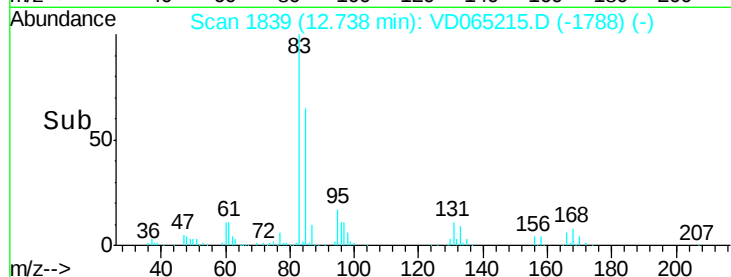
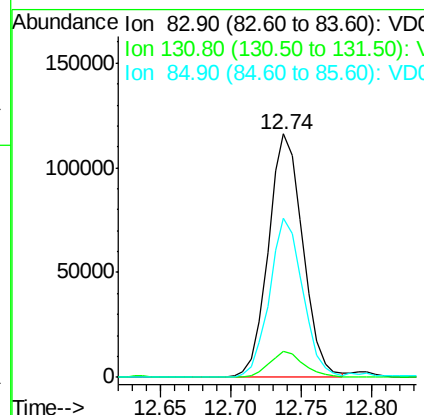
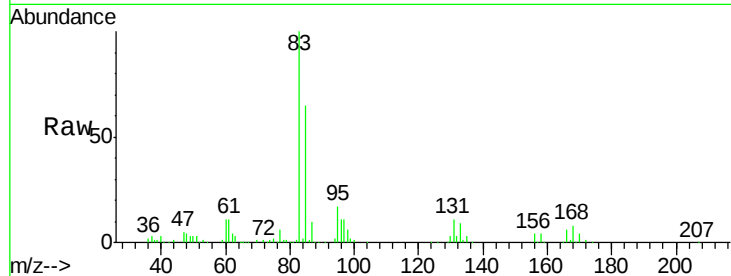
#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.259 ug/l
 RT: 12.74 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	198519		
131	10.8		5.4	16.2
85	63.2		31.6	94.8

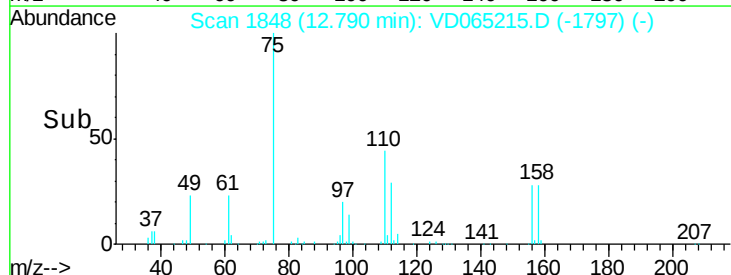
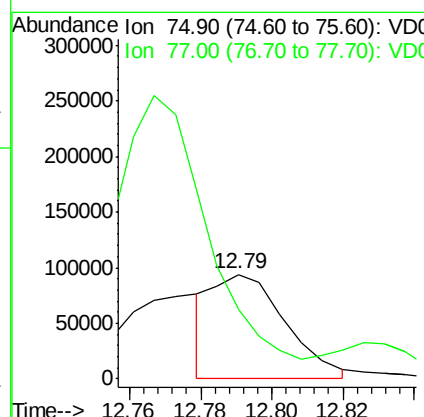
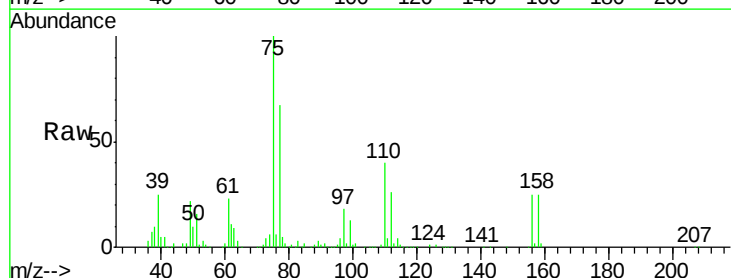
Manual Integrations
 APPROVED

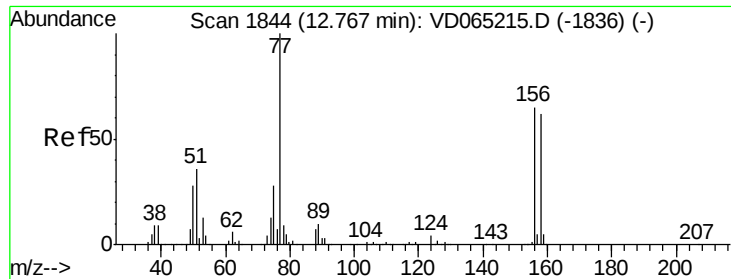
MMDadoda
 2/19/2020 1:44:10 PM



#76
 1,2,3-Trichloropropane
 Concen: 27.122 ug/l m
 RT: 12.79 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	133815		
77	0.0		0.0	0.0





#77

Bromobenzene

Concen: 49.361 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

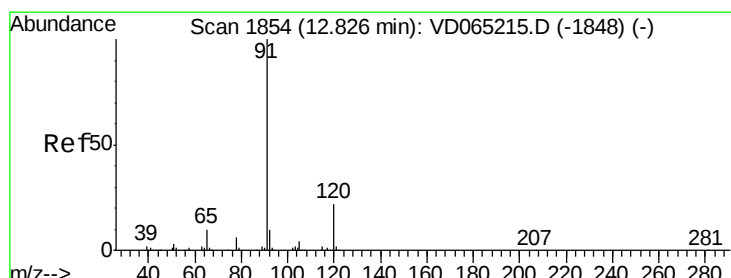
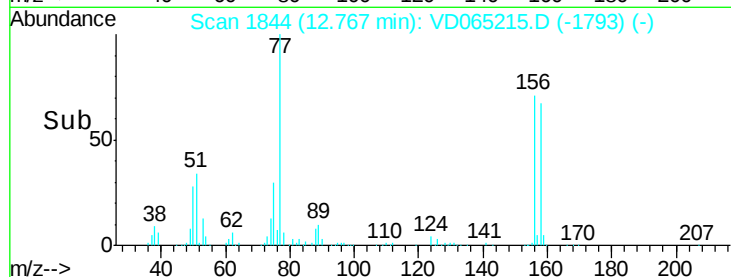
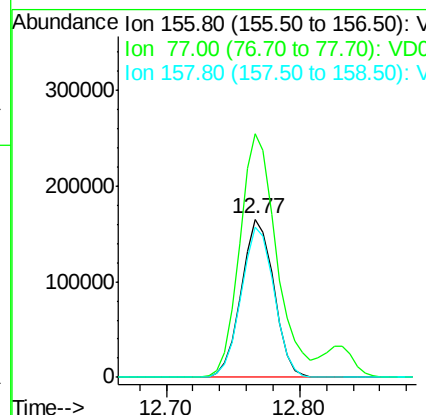
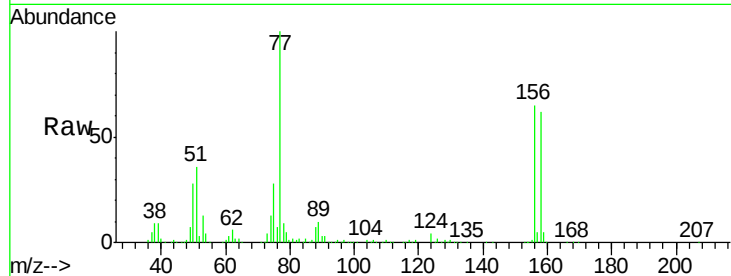
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.1	86.6	259.7
158	96.2	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 50.451 ug/l

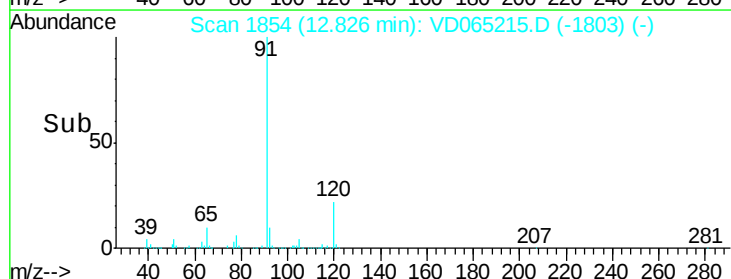
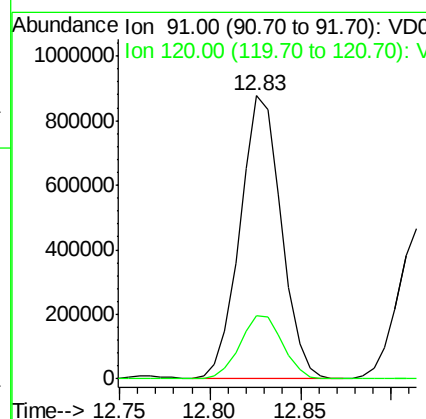
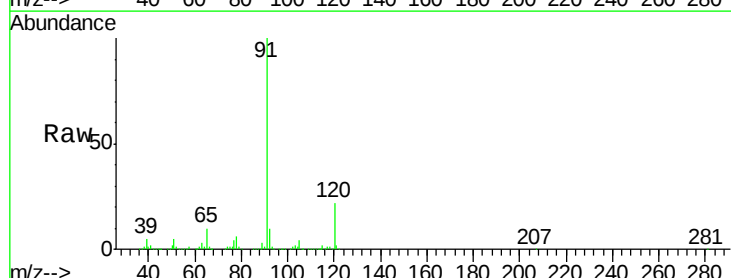
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 49.480 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 759245

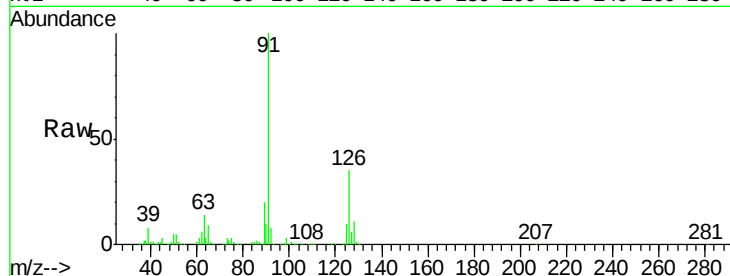
Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065215.D (-1862) (-)

600000

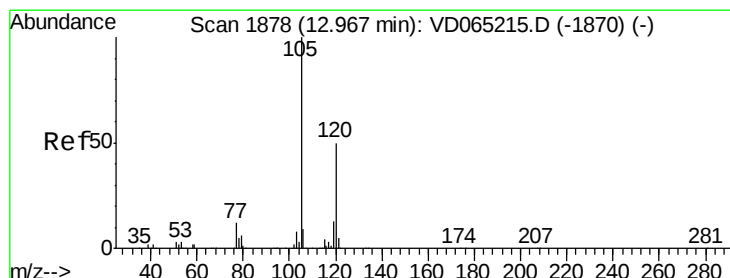
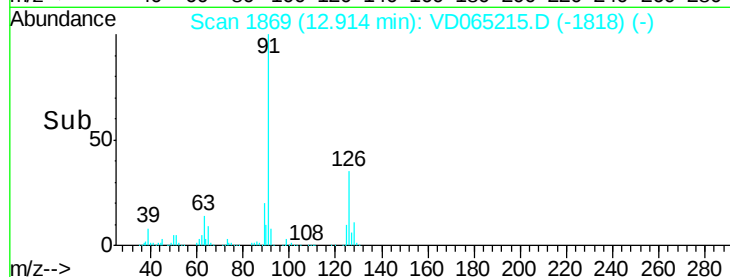
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.320 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065215.D

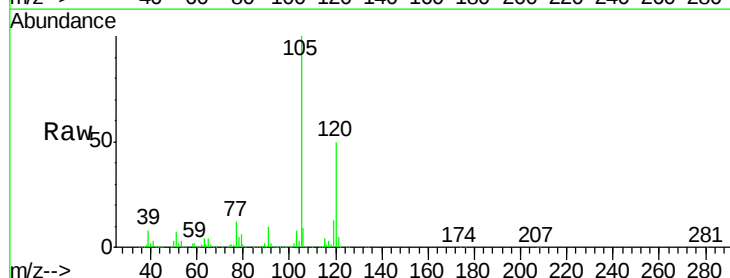
Acq: 18 Feb 2020 11:58

Tgt Ion: 105 Resp: 944641

Ion Ratio Lower Upper

105 100

120 50.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065215.D (-1870) (-)

600000

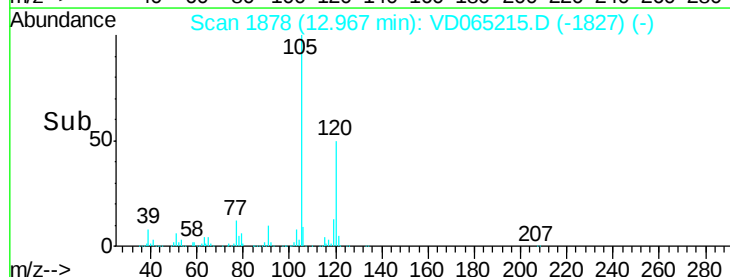
400000

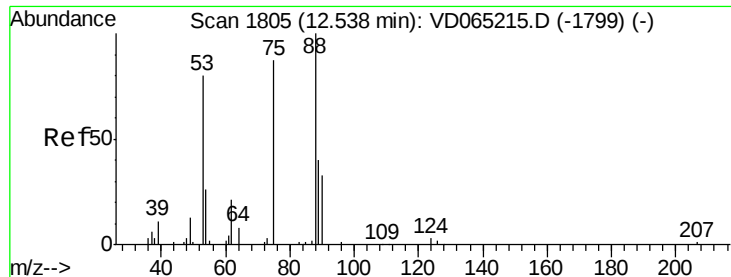
200000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.870 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

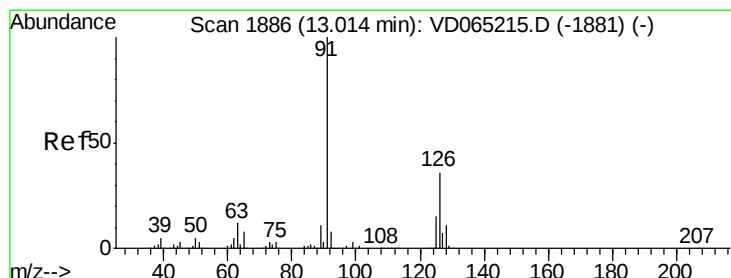
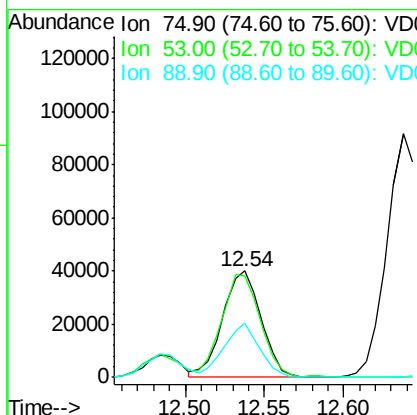
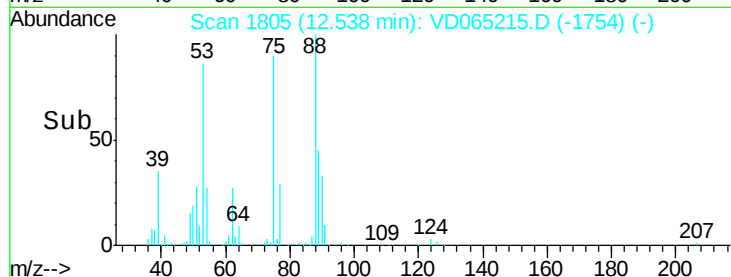
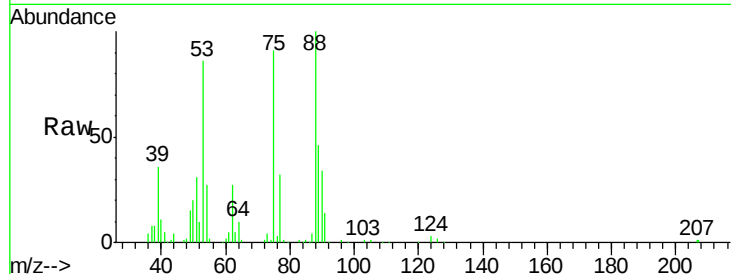
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	67655
Ion	Ratio	Lower	Upper
75	100		
53	97.0	77.6	116.4
89	46.5	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.112 ug/l

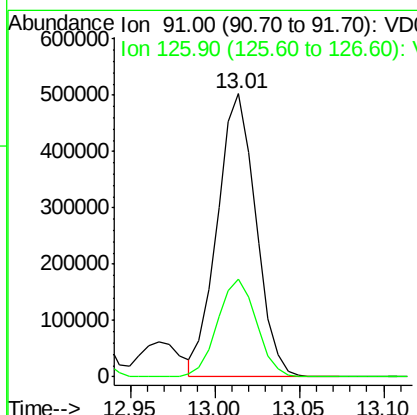
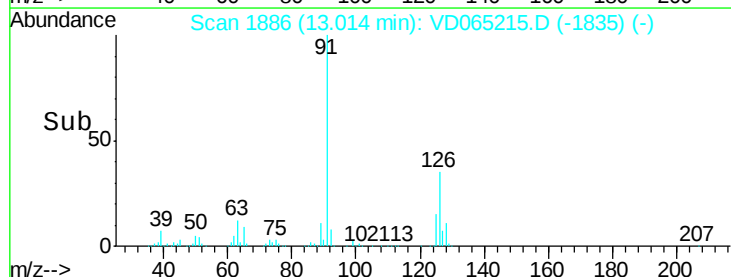
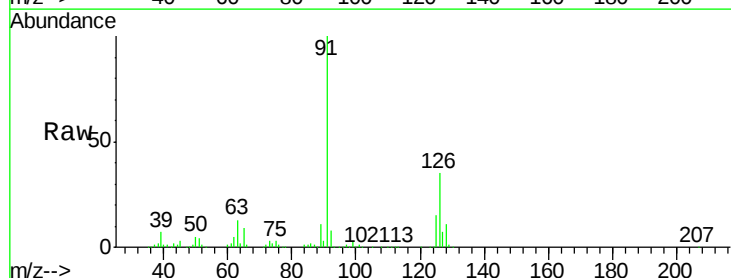
RT: 13.01 min Scan# 1886

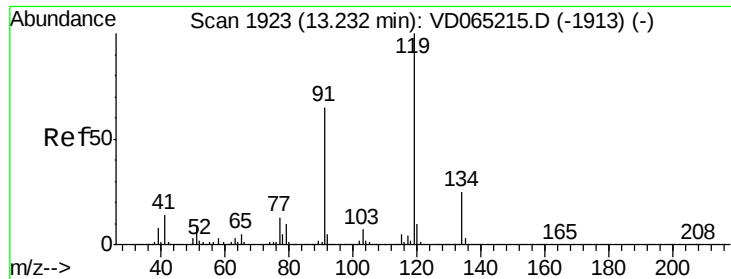
Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Tgt Ion:	91	Resp:	800042
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.4	52.3





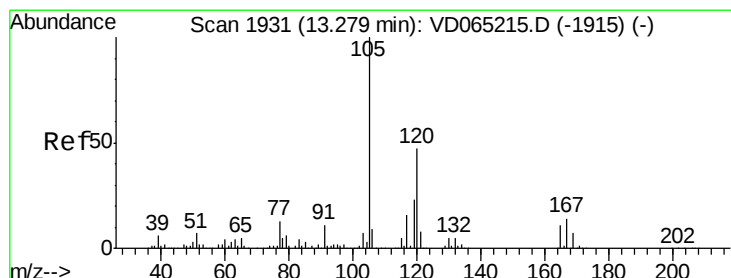
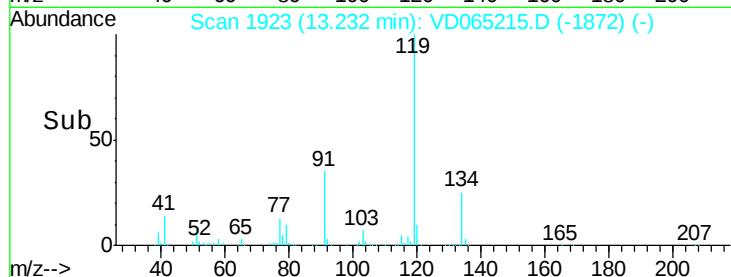
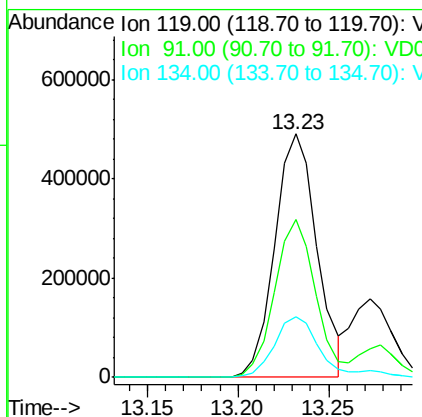
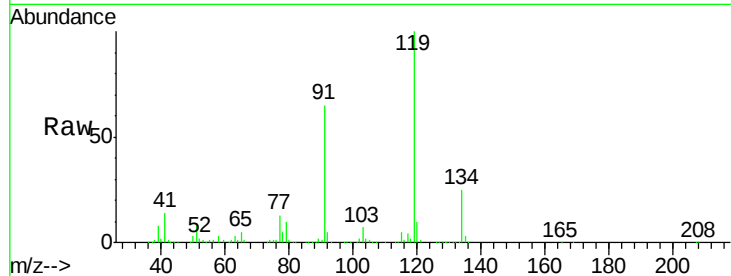
#83
 tert-Butylbenzene
 Concen: 50.606 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.9	95.5
134	27.5	13.8	41.3

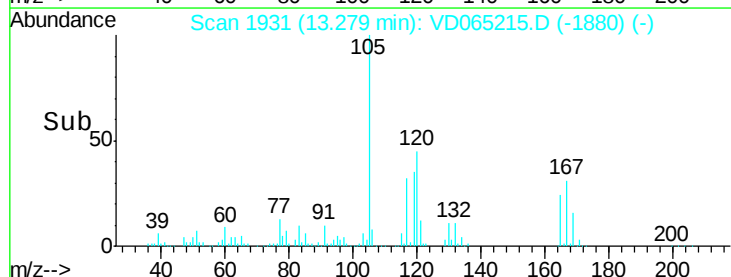
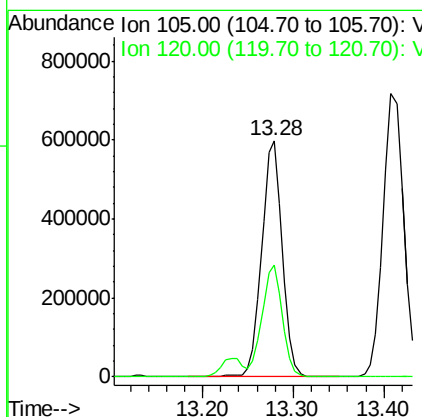
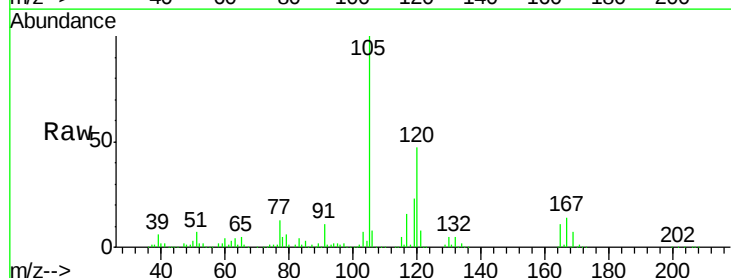
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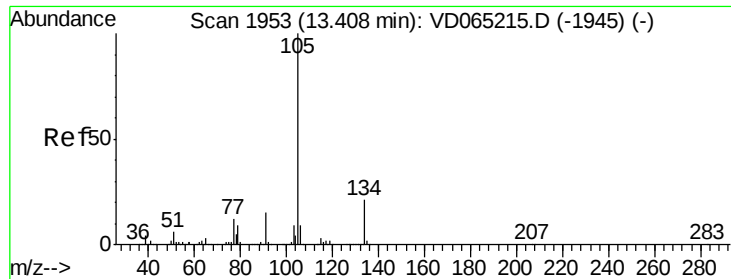
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.465 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.9





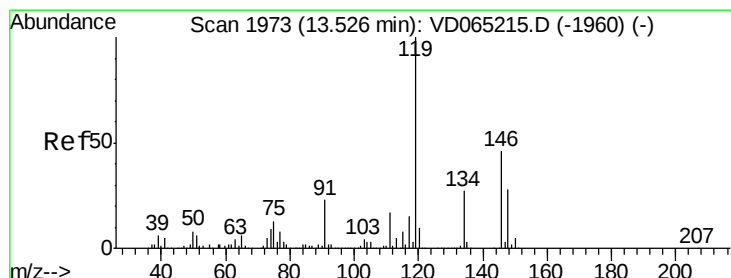
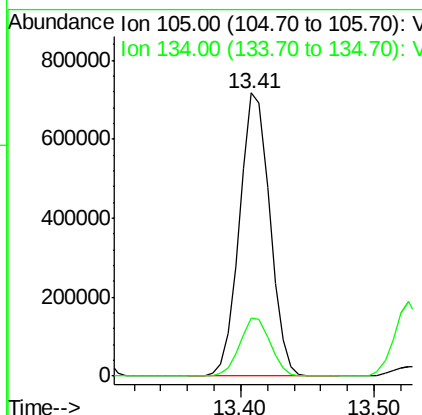
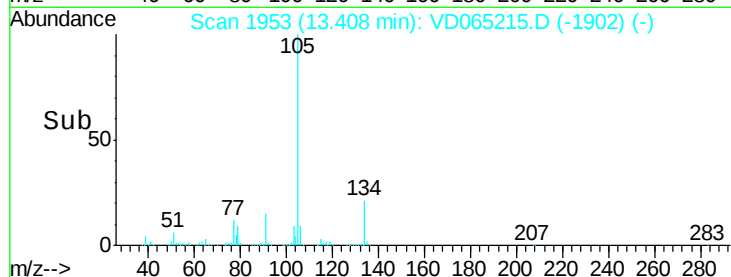
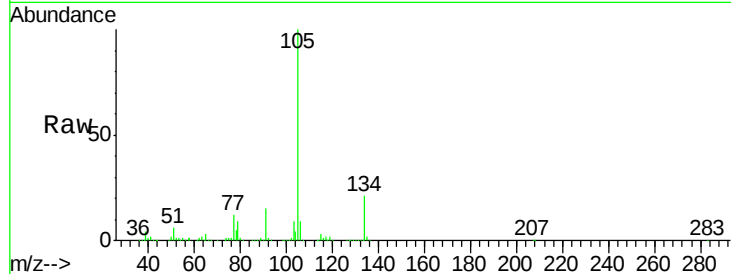
#85
 sec-Butylbenzene
 Concen: 49.780 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1128605
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.9

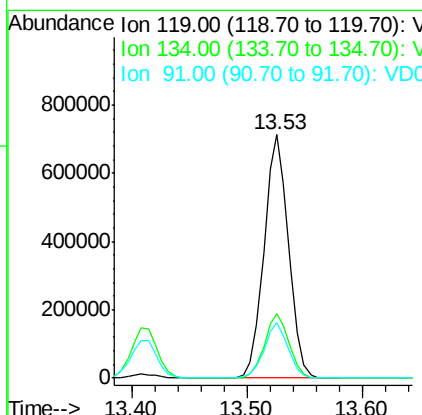
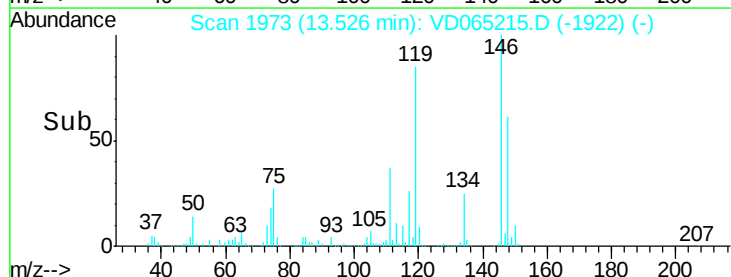
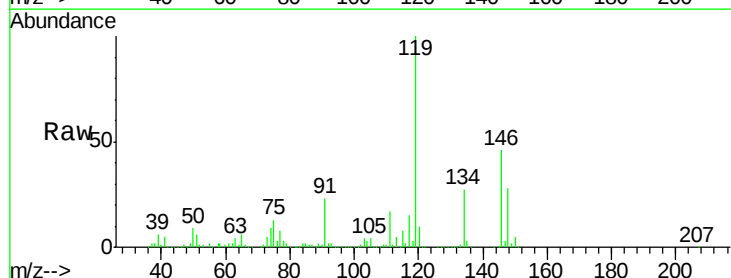
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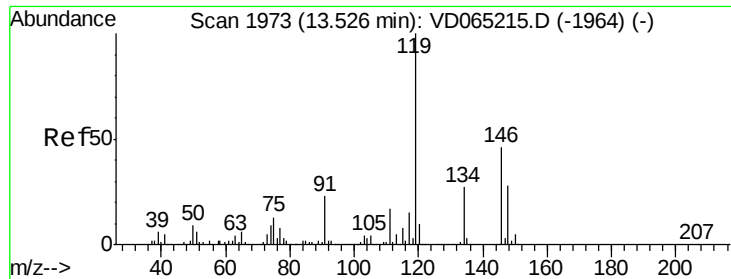
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#86
 p-Isopropyltoluene
 Concen: 50.692 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion:119 Resp: 1051013
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.8
 91 22.1 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 48.255 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

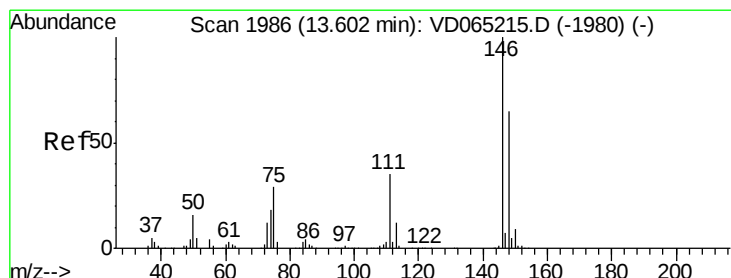
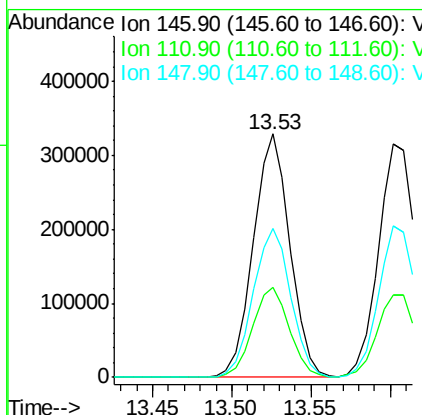
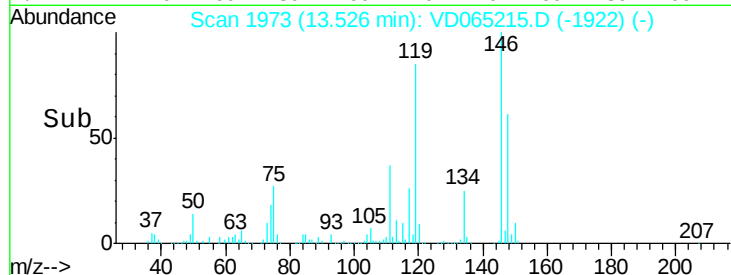
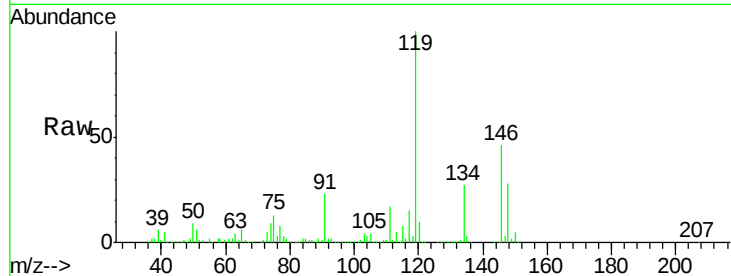
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	62.9	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.166 ug/l

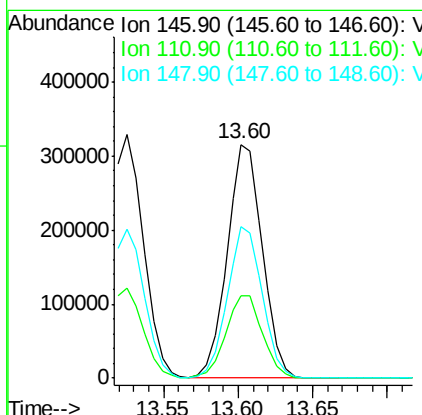
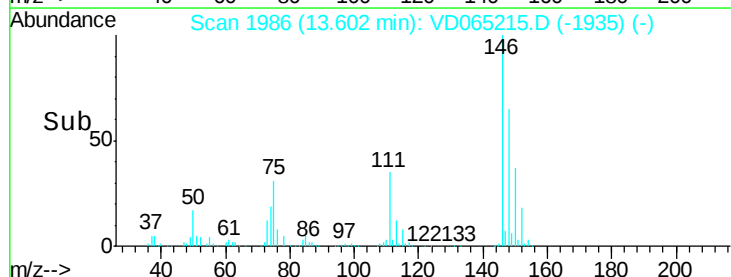
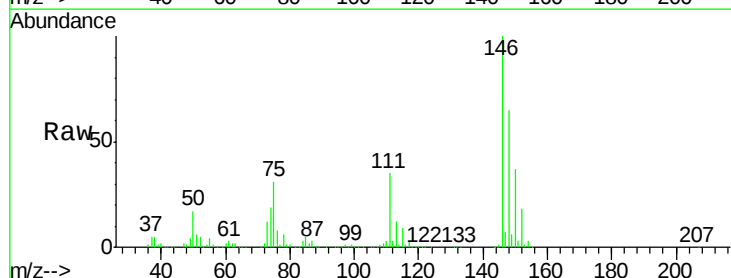
RT: 13.60 min Scan# 1986

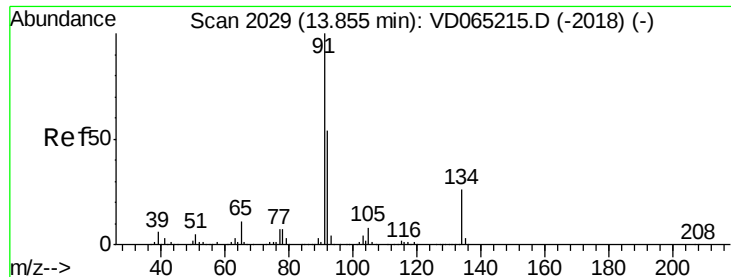
Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.2
148	64.3	32.1	96.5





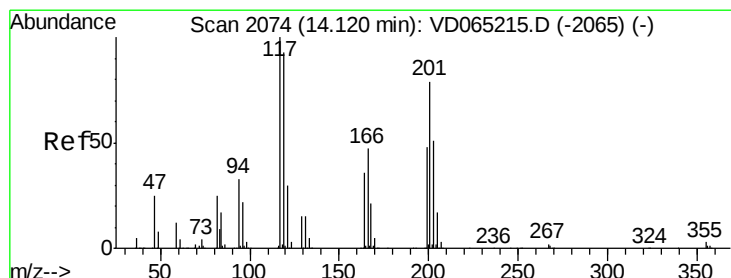
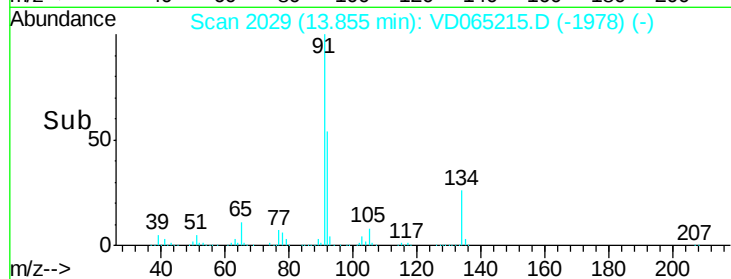
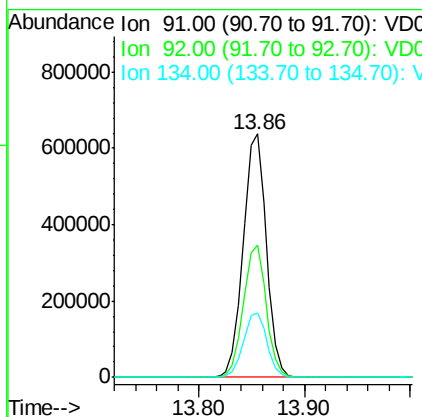
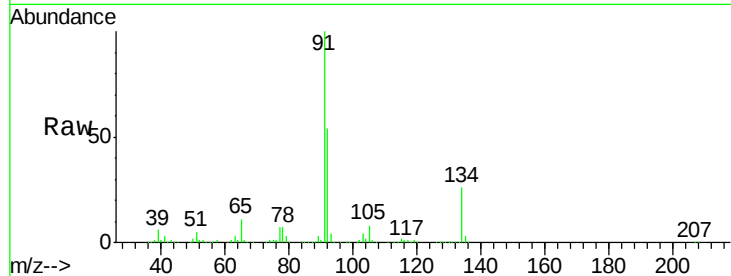
#89
n-Butylbenzene
Concen: 50.457 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.9	27.0	80.8	
134	26.9	13.5	40.4	

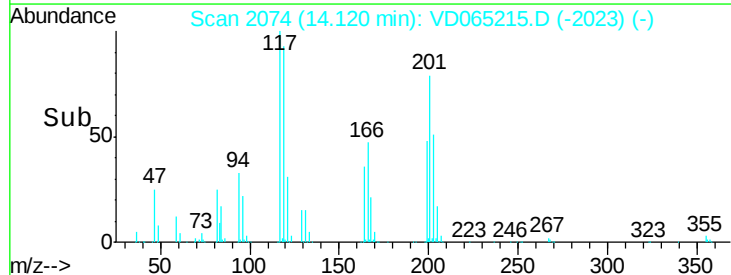
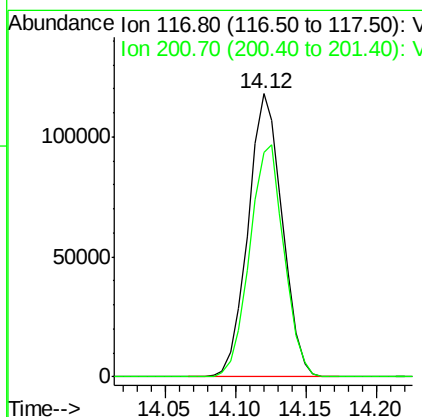
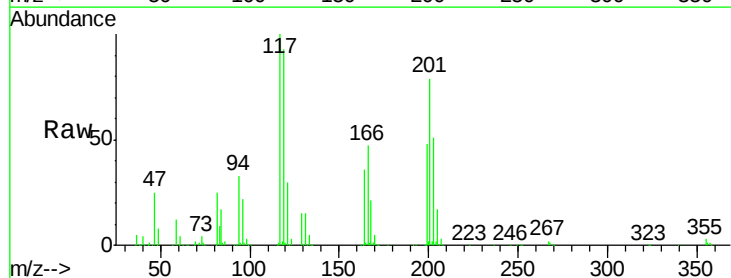
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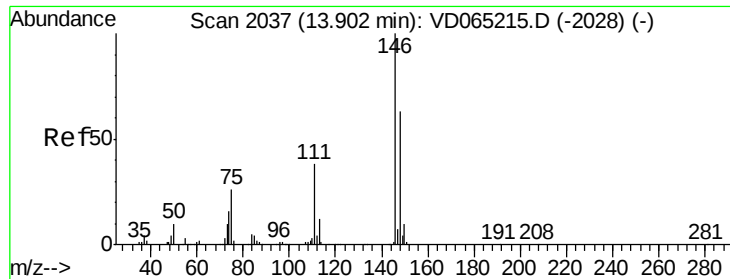
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#90
Hexachloroethane
Concen: 47.649 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	82.7	41.3	124.1	





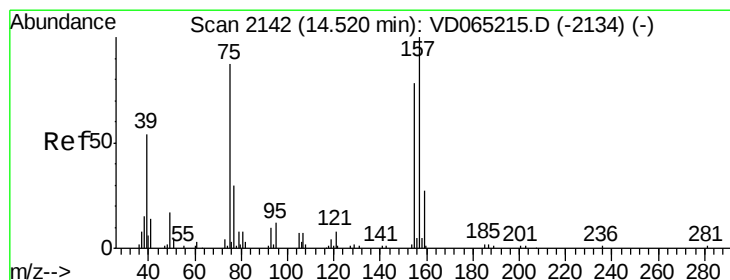
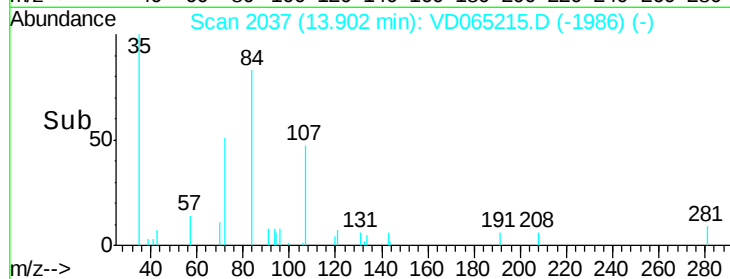
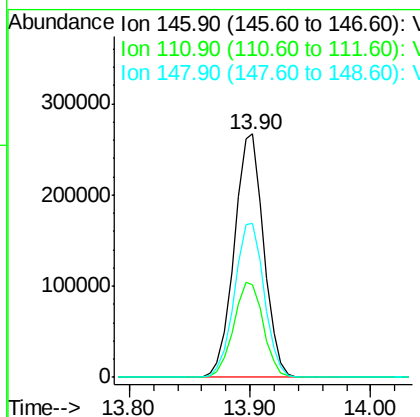
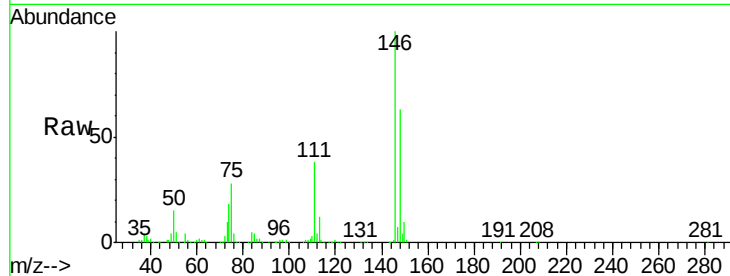
#91
 1,2-Dichlorobenzene
 Concen: 48.138 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	452255		
111	39.3	19.7	59.0	
148	64.1	32.0	96.2	

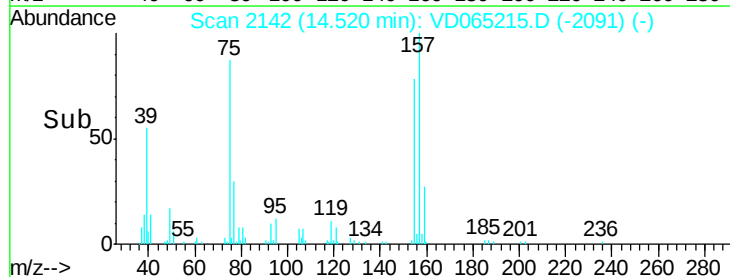
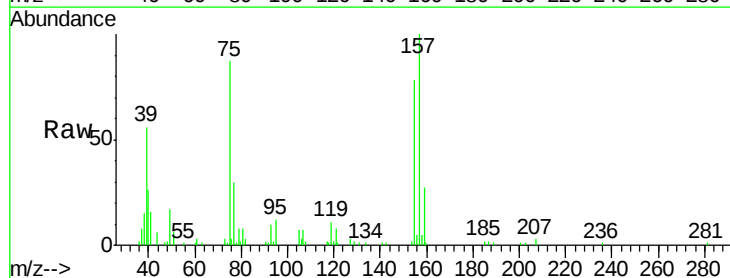
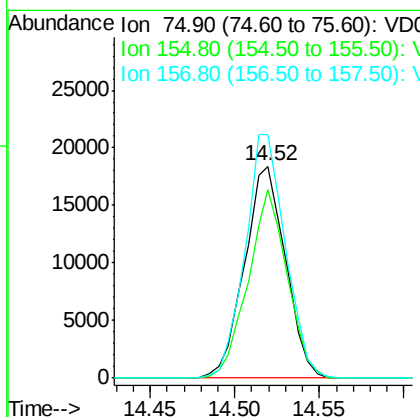
Manual Integrations
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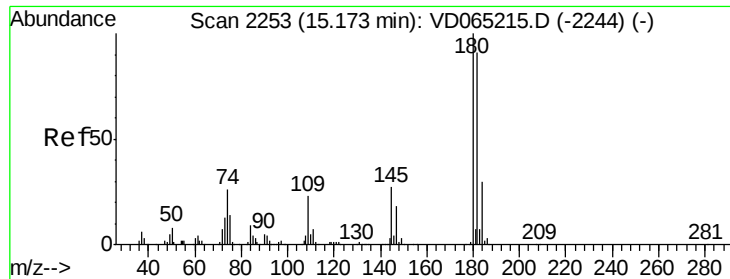
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.984 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31052		
155	84.6	42.3	126.9	
157	113.4	56.7	170.1	





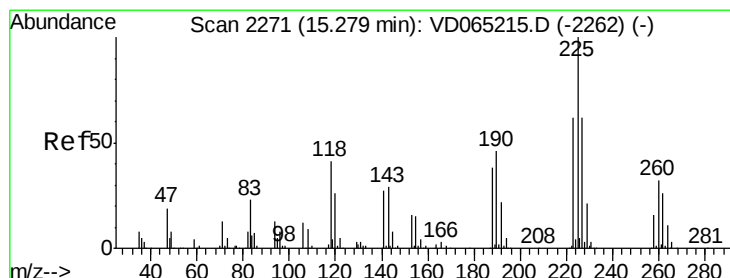
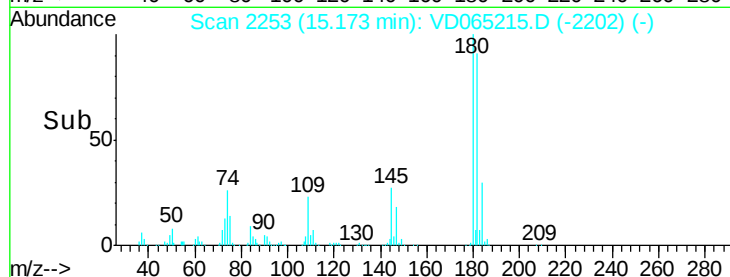
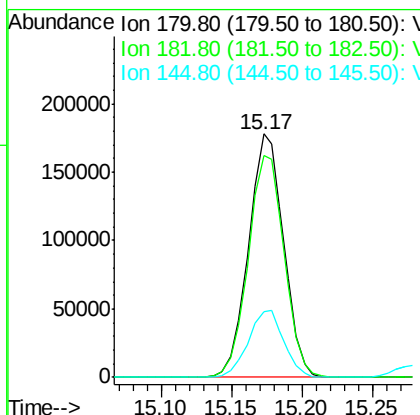
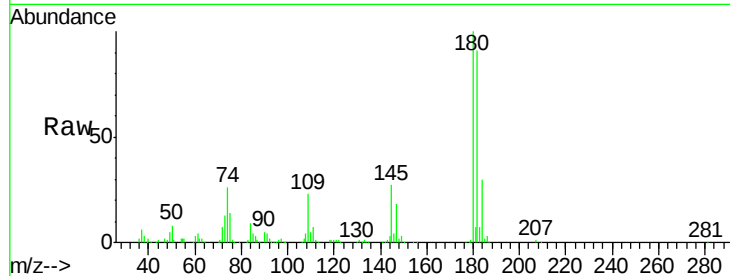
#93
 1,2,4-Trichlorobenzene
 Concen: 50.415 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	309815		
182	93.7	46.9	140.6	
145	27.8	13.9	41.7	

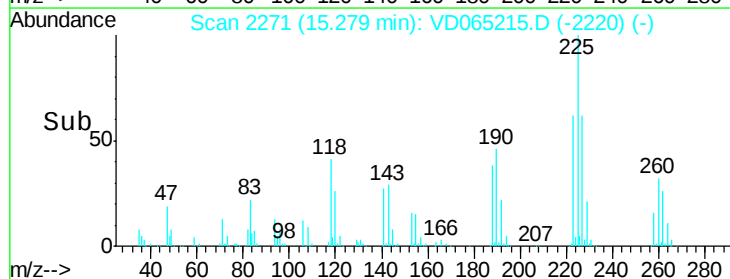
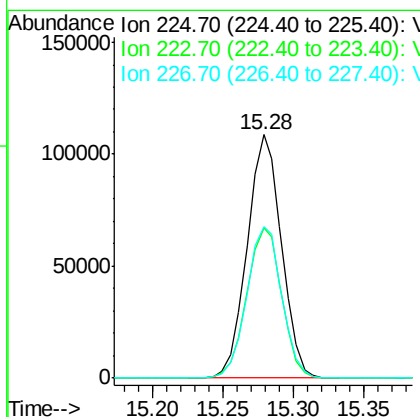
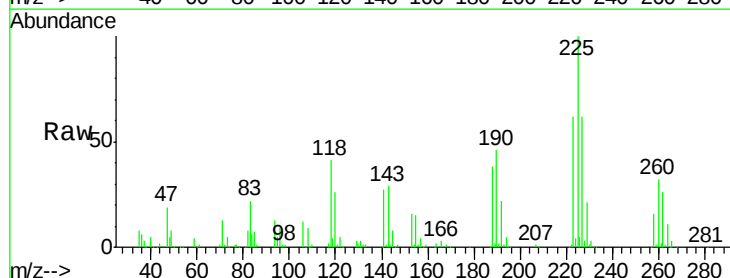
Manual Integrations
 APPROVED

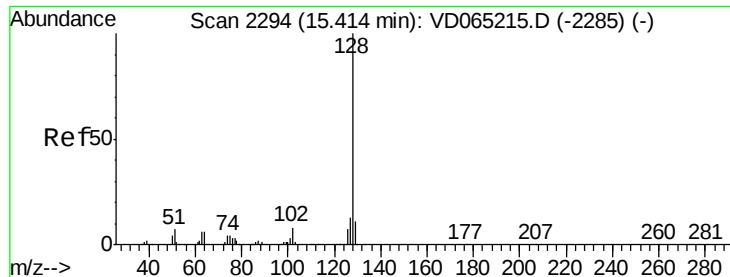
MMDadoda
 2/19/2020 1:44:10 PM



#94
 Hexachlorobutadiene
 Concen: 46.947 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	185072		
223	62.8	31.4	94.2	
227	63.4	31.7	95.1	





#95

Naphthalene

Concen: 52.943 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

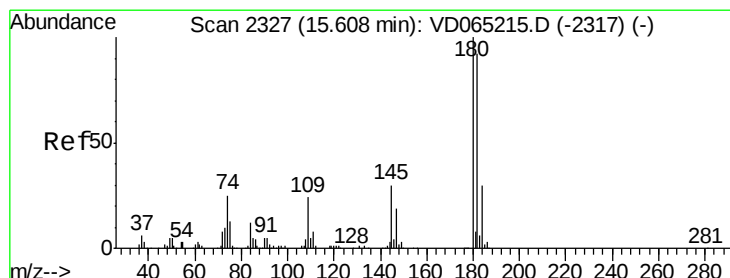
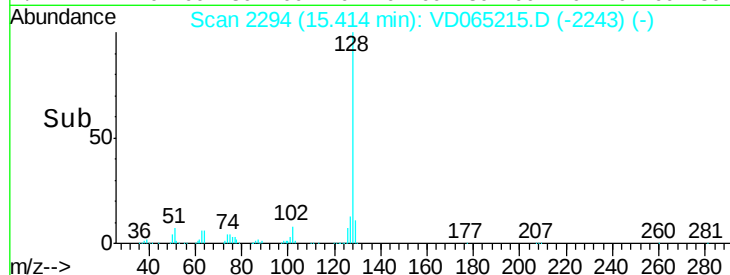
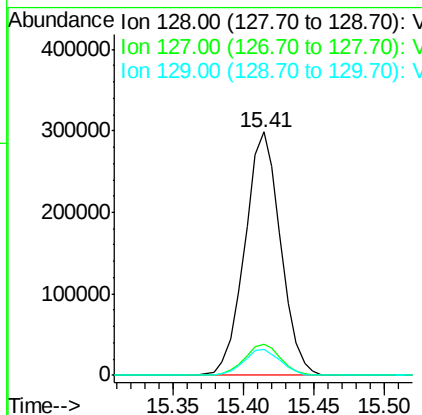
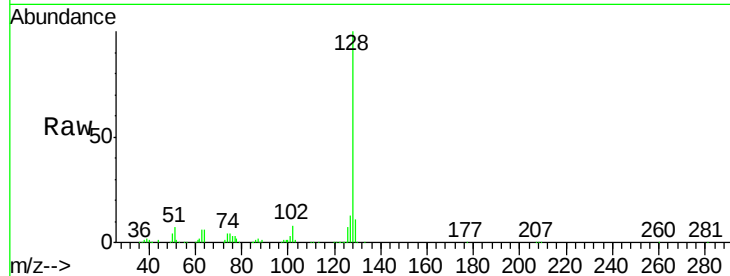
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	528917
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:44:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.795 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Tgt Ion:	180	Resp:	267259
Ion Ratio		Lower	Upper
180	100		
182	93.7	46.9	140.6
145	30.7	15.4	46.1

