

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065304.D
 Acq On : 25 Feb 2020 11:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 23:36:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	533829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	769733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	690737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	334978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	216617	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
35) Dibromofluoromethane	7.92	113	233840	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.34	98	930799	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.64	95	289755	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	228011	50.925	ug/l	99
3) Chloromethane	2.21	50	265952	46.667	ug/l	96
4) Vinyl Chloride	2.35	62	275743	47.582	ug/l	98
5) Bromomethane	2.77	94	154388	44.062	ug/l	99
6) Chloroethane	2.93	64	166347	47.026	ug/l	99
7) Trichlorofluoromethane	3.27	101	403842	48.675	ug/l	98
8) Diethyl Ether	3.70	74	117528	46.929	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	260111	49.645	ug/l	99
10) Methyl Iodide	4.29	142	279126	51.310	ug/l	100
11) Tert butyl alcohol	5.24	59	62599	218.137	ug/l	100
12) 1,1-Dichloroethene	4.06	96	246403	49.784	ug/l	96
13) Acrolein	3.93	56	91162	260.575	ug/l	100
14) Allyl chloride	4.71	41	392680	48.857	ug/l	98
15) Acrylonitrile	5.43	53	253682	228.793	ug/l	99
16) Acetone	4.17	43	281584	239.863	ug/l	100
17) Carbon Disulfide	4.40	76	794157	47.860	ug/l	98
18) Methyl Acetate	4.72	43	114573	43.394	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	491726	47.642	ug/l	99
20) Methylene Chloride	4.96	84	261783	50.101	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	280630	49.876	ug/l	94
22) Diisopropyl ether	6.37	45	762611	49.219	ug/l	100
23) Vinyl Acetate	6.31	43	2090907	244.782	ug/l	99
24) 1,1-Dichloroethane	6.26	63	464812	48.365	ug/l	99
25) 2-Butanone	7.22	43	332431	223.817	ug/l	98
26) 2,2-Dichloropropane	7.21	77	408525	48.993	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	286906	48.139	ug/l	99
28) Bromochloromethane	7.55	49	167040	46.850	ug/l	100
29) Tetrahydrofuran	7.57	42	202203	232.347	ug/l	99
30) Chloroform	7.71	83	454324	46.923	ug/l	99
31) Cyclohexane	7.98	56	455423	48.231	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	421563	48.663	ug/l	99
36) 1,1-Dichloropropene	8.11	75	384467	51.334	ug/l	99
37) Ethyl Acetate	7.30	43	138440	44.216	ug/l	99
38) Carbon Tetrachloride	8.10	117	390425	51.208	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	476874	54.160	ug/l	98
40) Benzene	8.36	78	1058030	50.049	ug/l	99
41) Methacrylonitrile	7.53	41	82431	45.597	ug/l	95
42) 1,2-Dichloroethane	8.43	62	268037	46.121	ug/l	100
43) Isopropyl Acetate	8.46	43	264194	46.402	ug/l	99
44) Trichloroethene	9.11	130	295434	50.416	ug/l	99
45) 1,2-Dichloropropane	9.39	63	258552	49.186	ug/l	100
46) Dibromomethane	9.48	93	129088	47.728	ug/l	98
47) Bromodichloromethane	9.67	83	345697	48.501	ug/l	99
48) Methyl methacrylate	9.46	41	127699	48.523	ug/l	97
49) 1,4-Dioxane	9.47	88	30351	956.801	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	695209	240.404	ug/l	100
52) Toluene	10.41	92	675312	51.609	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	325295	49.237	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	398588	49.962	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	181837	47.767	ug/l	99
56) Ethyl methacrylate	10.67	69	221670	50.450	ug/l	98
57) 1,3-Dichloropropane	10.96	76	318203	49.112	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	295665	213.436	ug/l	98
59) 2-Hexanone	10.99	43	509201	245.979	ug/l	97
60) Dibromochloromethane	11.14	129	237471	48.738	ug/l	100
61) 1,2-Dibromoethane	11.25	107	174654	48.457	ug/l	98
64) Tetrachloroethene	10.88	164	249987	51.029	ug/l	97
65) Chlorobenzene	11.68	112	698990	50.427	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	258250	49.926	ug/l	99
67) Ethyl Benzene	11.75	91	1275562	52.543	ug/l	100
68) m/p-Xylenes	11.86	106	981179	105.639	ug/l	99
69) o-Xylene	12.19	106	434822	52.842	ug/l	99
70) Styrene	12.20	104	765889	52.423	ug/l	100
71) Bromoform	12.37	173	136166	47.439	ug/l #	99
73) Isopropylbenzene	12.48	105	1209961	54.559	ug/l	100
74) N-amyl acetate	12.30	43	238486	48.395	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	188238	47.030	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	251633	88.289	ug/l #	100
77) Bromobenzene	12.77	156	278250	50.527	ug/l	99
78) n-propylbenzene	12.83	91	1448808	54.363	ug/l	100
79) 2-Chlorotoluene	12.91	91	780615	52.285	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	986228	53.993	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	63931	48.433	ug/l	94
82) 4-Chlorotoluene	13.01	91	823525	51.957	ug/l	100
83) tert-Butylbenzene	13.23	119	858741	56.094	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	967088	52.897	ug/l	100
85) sec-Butylbenzene	13.41	105	1187956	53.852	ug/l	100
86) p-Isopropyltoluene	13.53	119	1099139	54.485	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	537673	50.504	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	521966	49.677	ug/l	99
89) n-Butylbenzene	13.86	91	1010298	54.348	ug/l	99
90) Hexachloroethane	14.13	117	210670	51.432	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	456131	49.899	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27650	44.828	ug/l	92

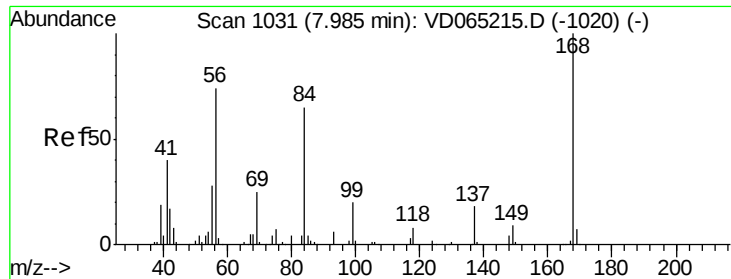
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	311974	52.175	ug/l	98
94) Hexachlorobutadiene	15.28	225	201603	52.560	ug/l	99
95) Naphthalene	15.42	128	505551	52.009	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	268097	51.338	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

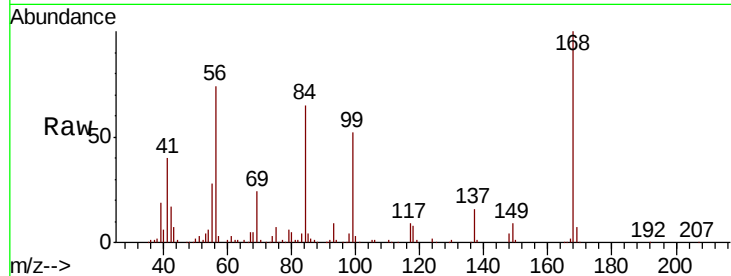
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 533829

Ion Ratio Lower Upper

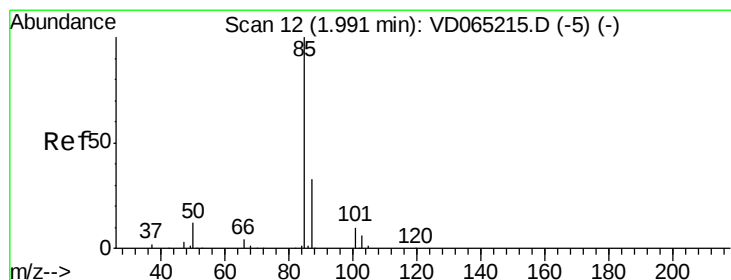
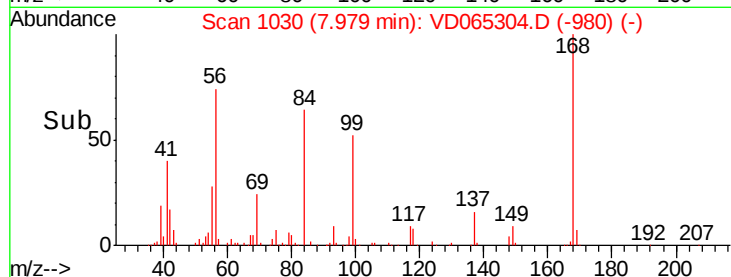
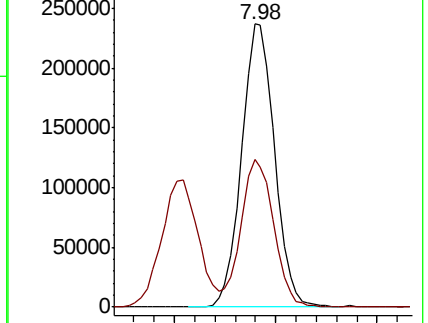
168 100

99 51.9 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.925 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065304.D

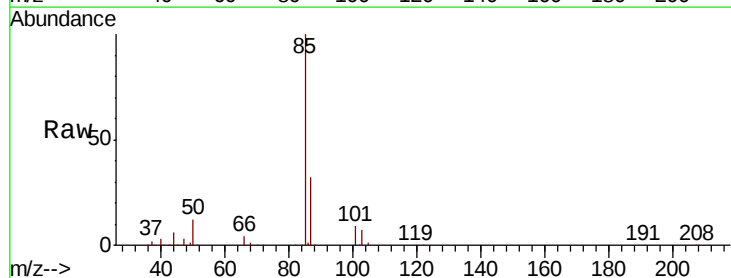
Acq: 25 Feb 2020 11:31

Tgt Ion: 85 Resp: 228011

Ion Ratio Lower Upper

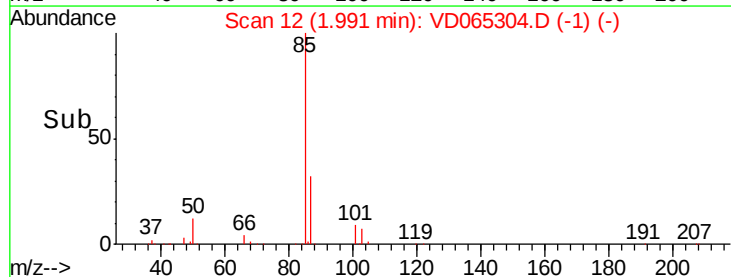
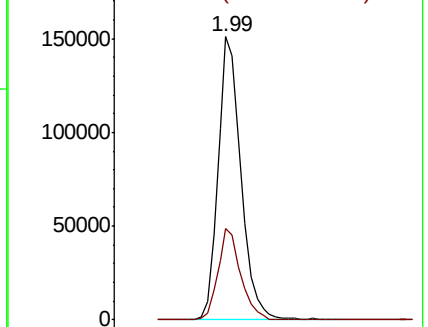
85 100

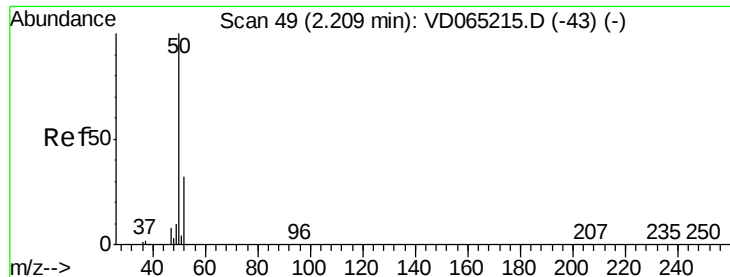
87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.667 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

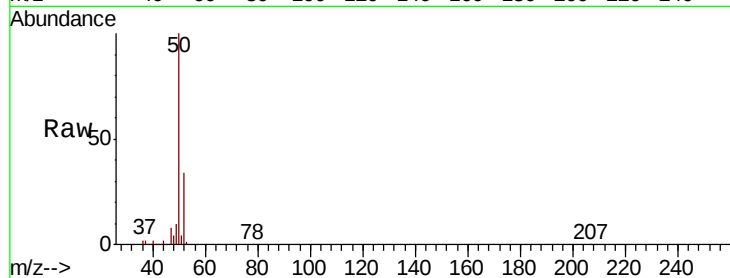
ClientSampleId :

Tot Ion: 50 Resp: 265952

Ion Ratio Lower Upper

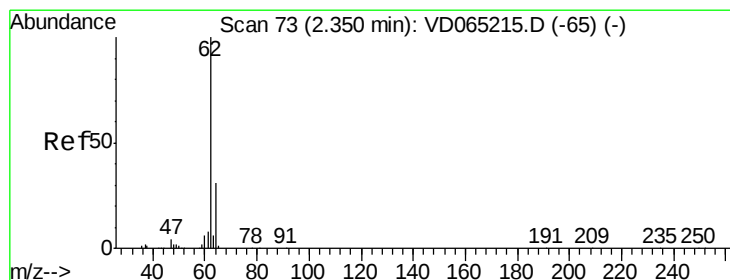
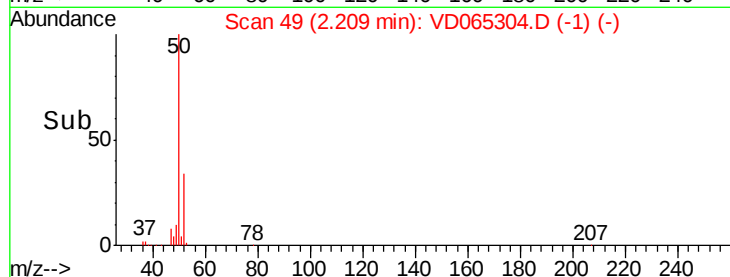
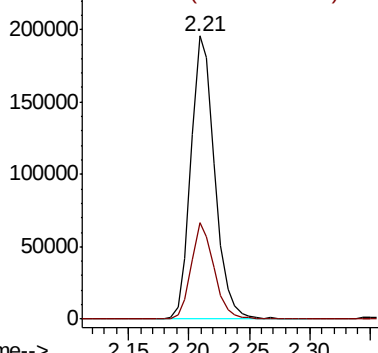
50 100

52 34.1 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.582 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065304.D

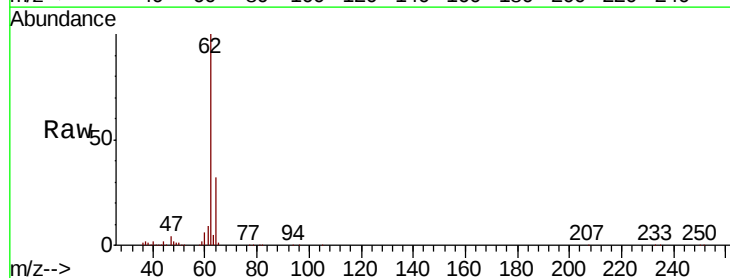
Acq: 25 Feb 2020 11:31

Tgt Ion: 62 Resp: 275743

Ion Ratio Lower Upper

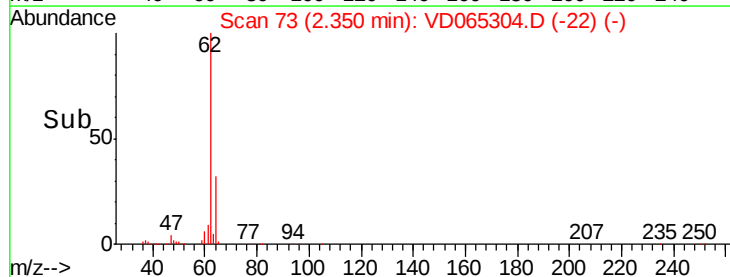
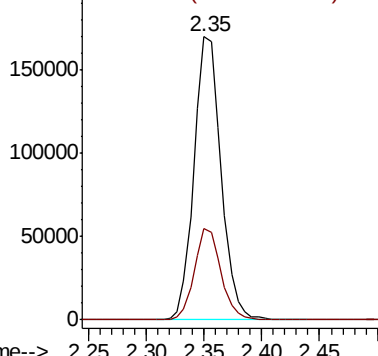
62 100

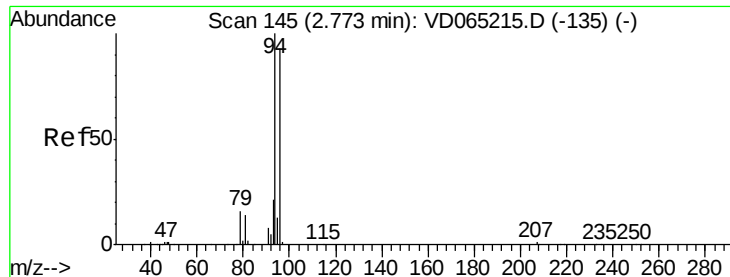
64 32.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 44.062 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

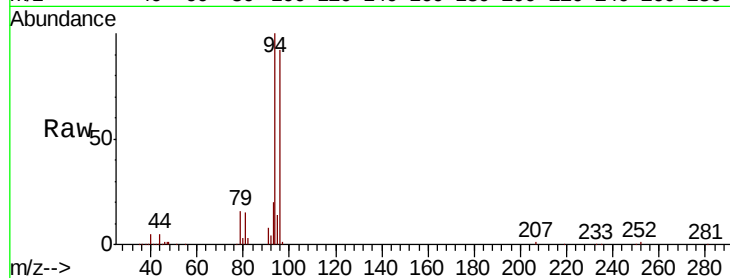
ClientSampleId :

Tot Ion: 94 Resp: 154388

Ion Ratio Lower Upper

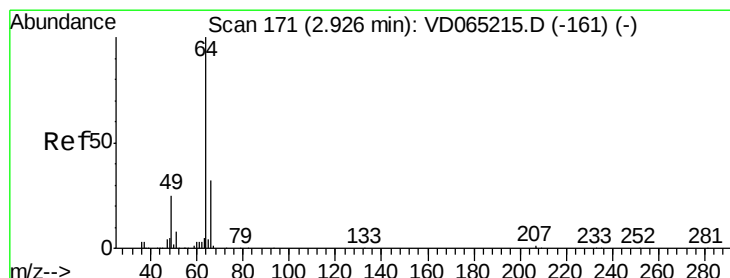
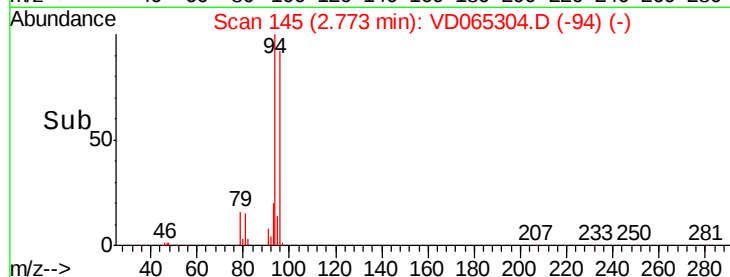
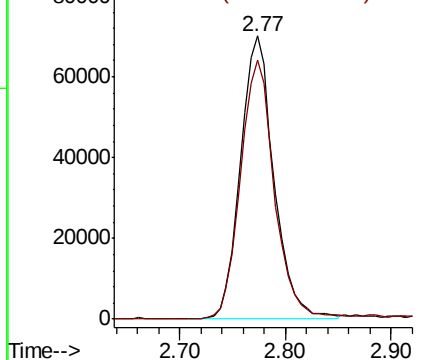
94 100

96 91.7 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.026 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065304.D

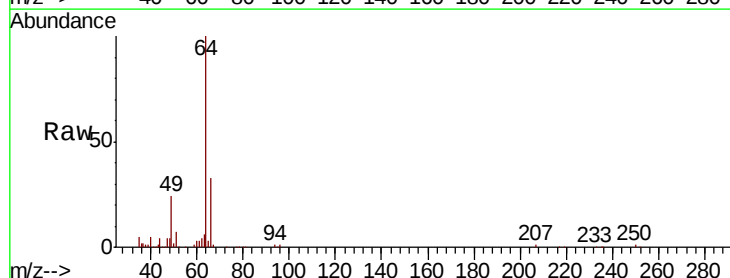
Acq: 25 Feb 2020 11:31

Tgt Ion: 64 Resp: 166347

Ion Ratio Lower Upper

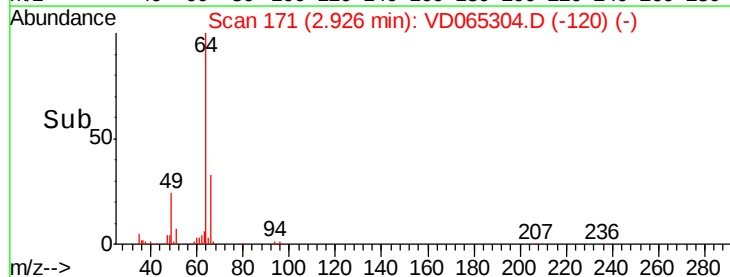
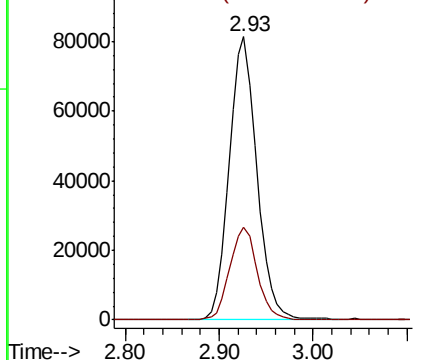
64 100

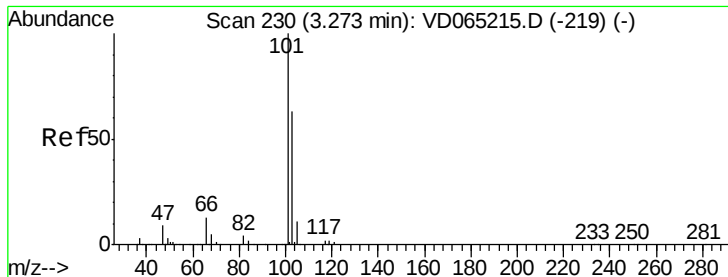
66 32.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 48.675 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

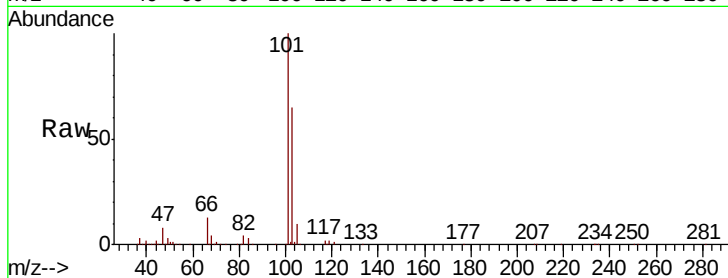
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 403842

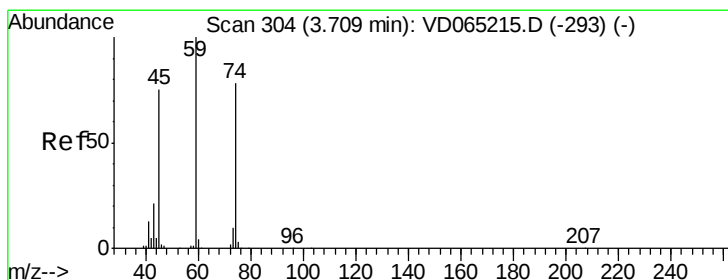
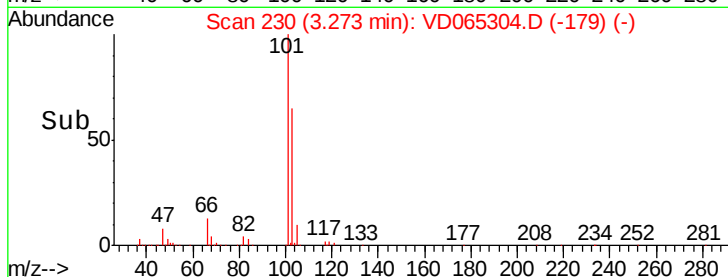
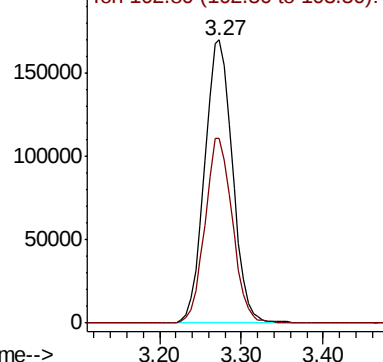
Ion Ratio Lower Upper

101 100

103 65.2 50.7 76.1



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 46.929 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065304.D

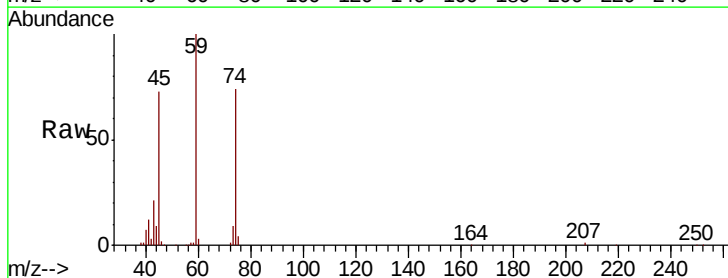
Acq: 25 Feb 2020 11:31

Tgt Ion: 74 Resp: 117528

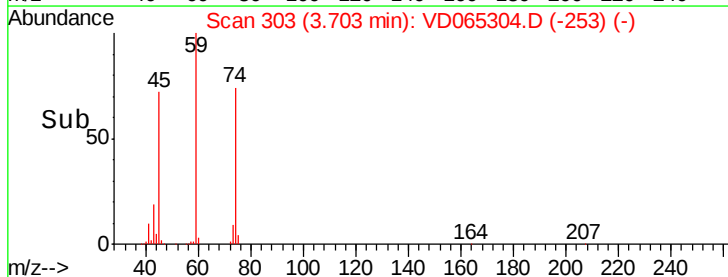
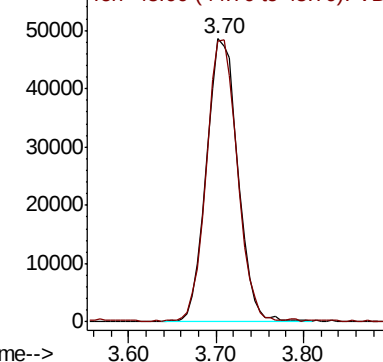
Ion Ratio Lower Upper

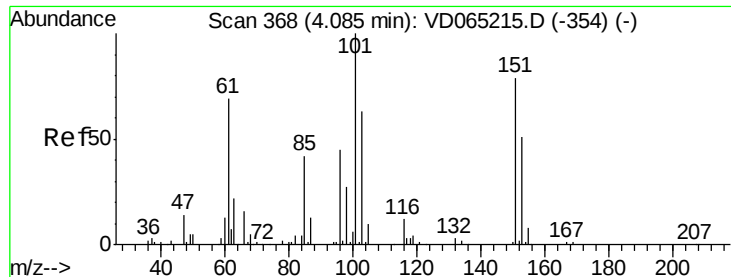
74 100

45 98.8 50.0 149.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.645 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampled :

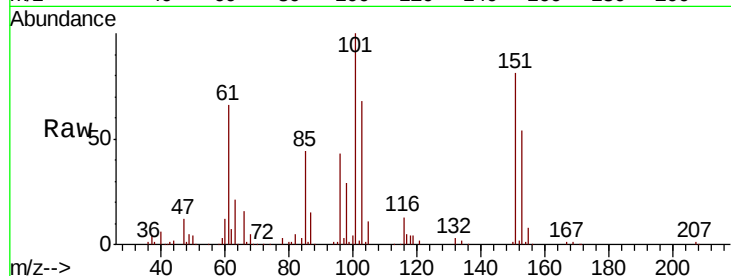
Tot Ion:101 Resp: 260111

Ion Ratio Lower Upper

101 100

85 41.8 34.2 51.2

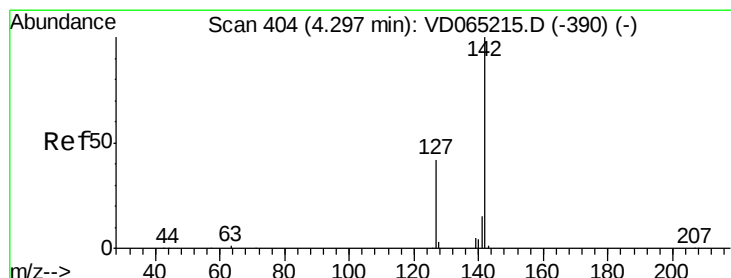
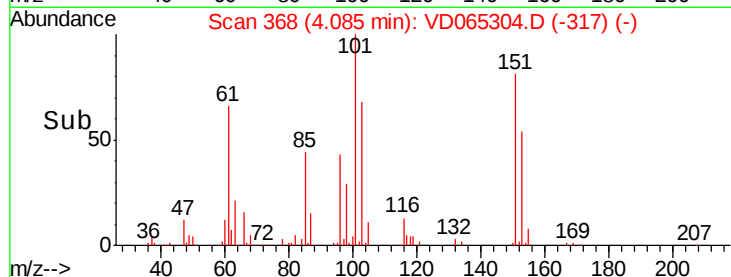
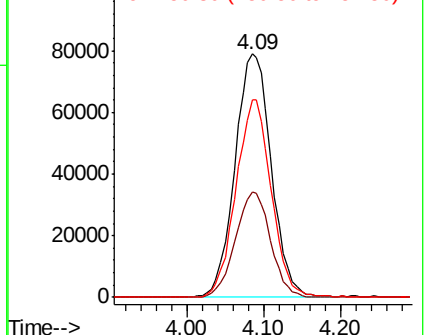
151 79.0 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.310 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

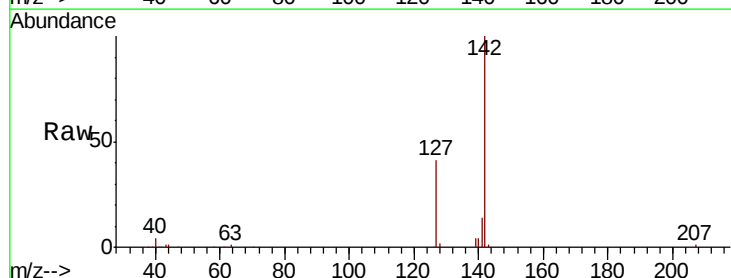
Tgt Ion:142 Resp: 279126

Ion Ratio Lower Upper

142 100

127 42.4 33.8 50.8

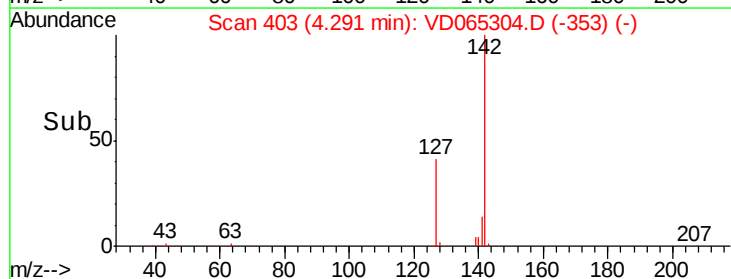
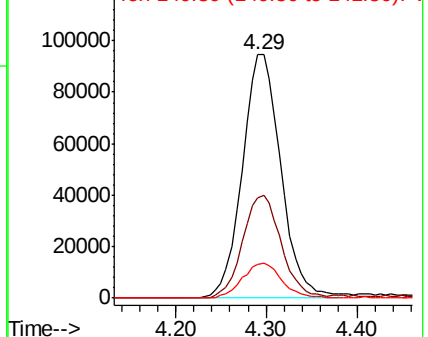
141 14.8 11.7 17.5

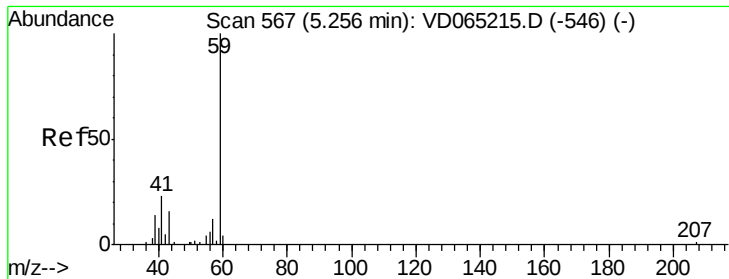


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



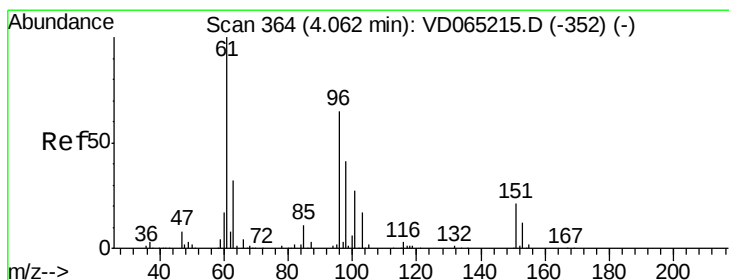
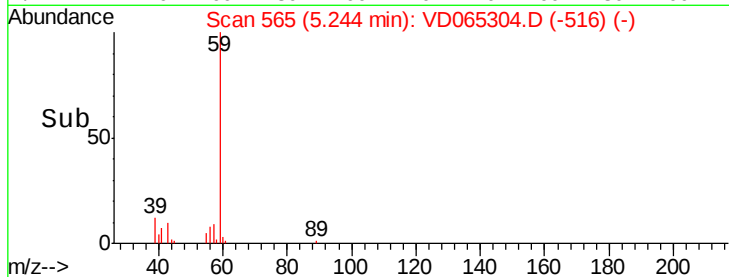
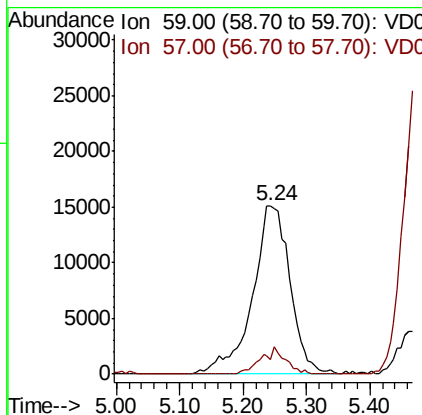
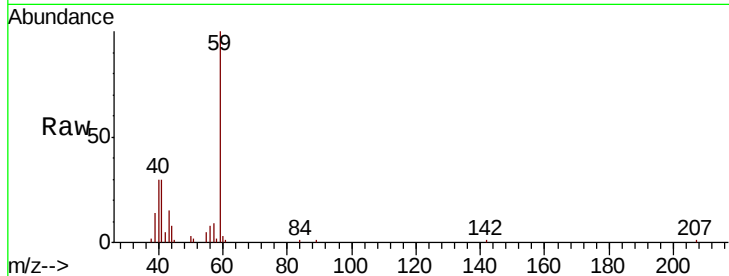


#11

Tert butyl alcohol
Concen: 218.137 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampled :

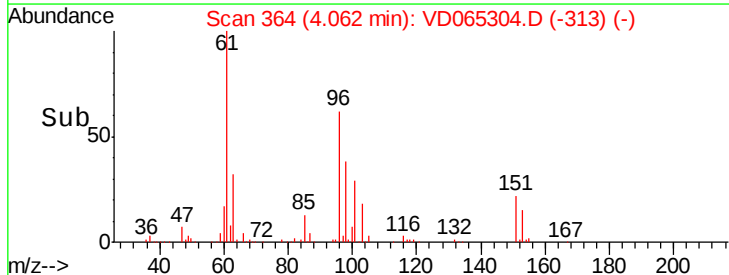
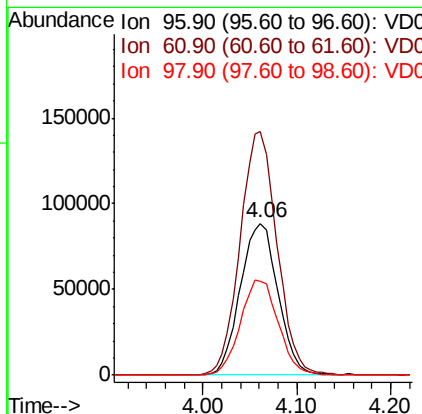
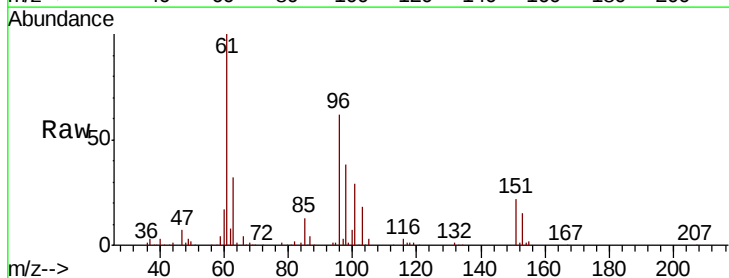
Tot Ion: 59 Resp: 62599
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

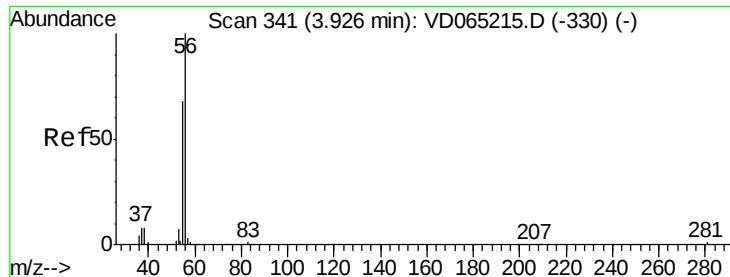


#12

1,1-Dichloroethene
Concen: 49.784 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion: 96 Resp: 246403
Ion Ratio Lower Upper
96 100
61 160.2 123.3 184.9
98 61.6 51.0 76.4

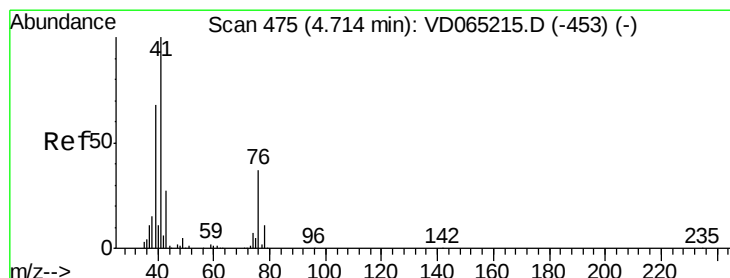
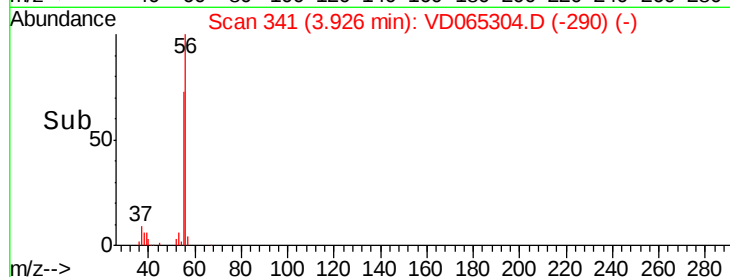
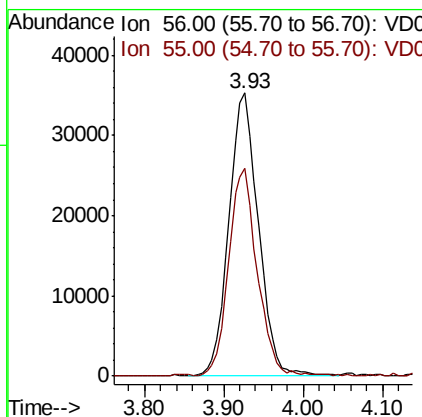
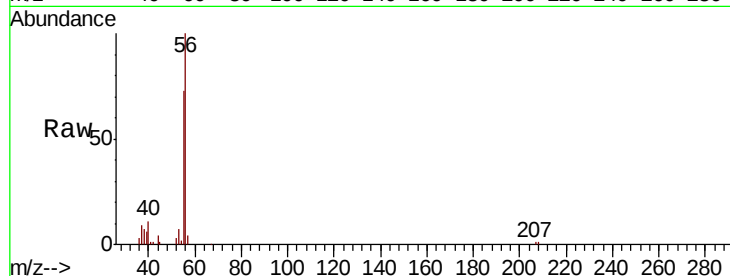




#13
 Acrolein
 Concen: 260.575 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

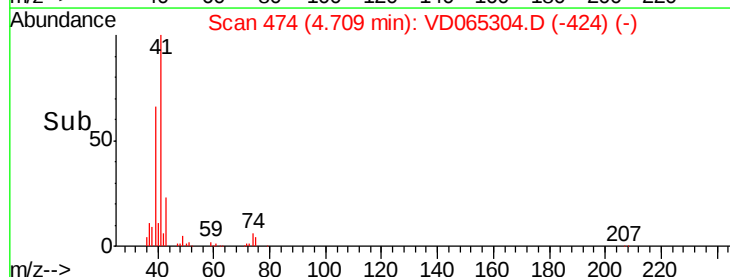
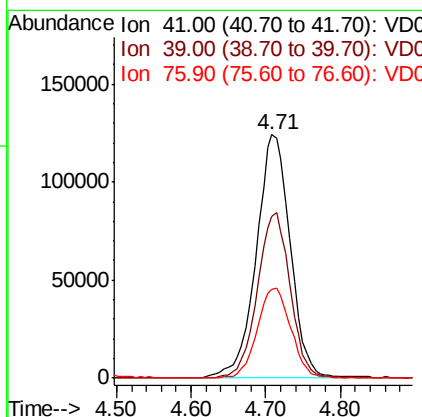
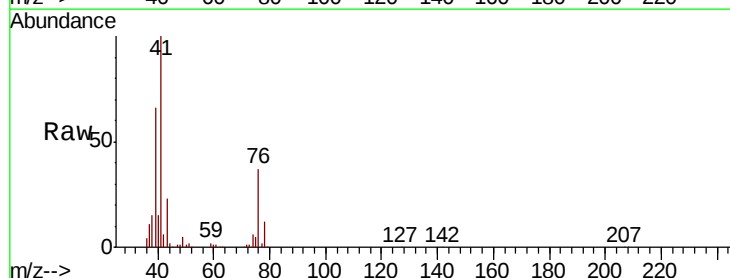
Instrument :
 MSVOA_D
 ClientSampled :

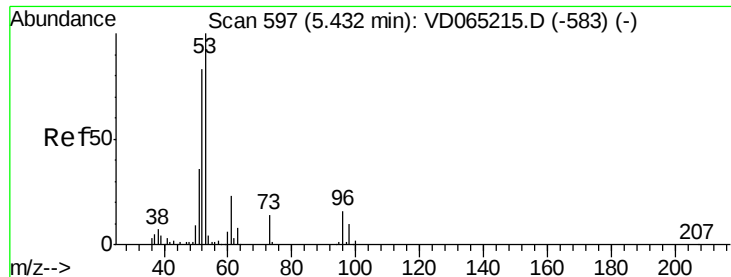
Tot Ion: 56 Resp: 91162
 Ion Ratio Lower Upper
 56 100
 55 70.9 56.6 85.0



#14
 Allyl chloride
 Concen: 48.857 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion: 41 Resp: 392680
 Ion Ratio Lower Upper
 41 100
 39 65.7 53.8 80.6
 76 36.5 28.7 43.1





#15

Acrylonitrile

Concen: 228.793 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampled :

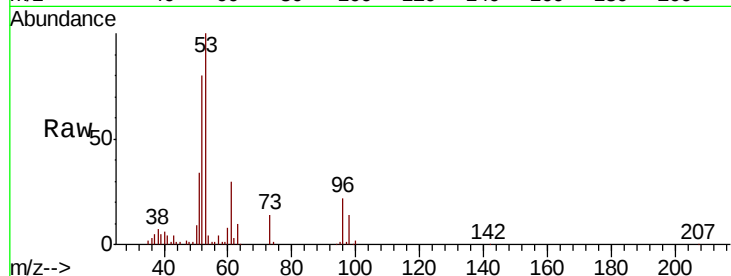
Tot Ion: 53 Resp: 253682

Ion Ratio Lower Upper

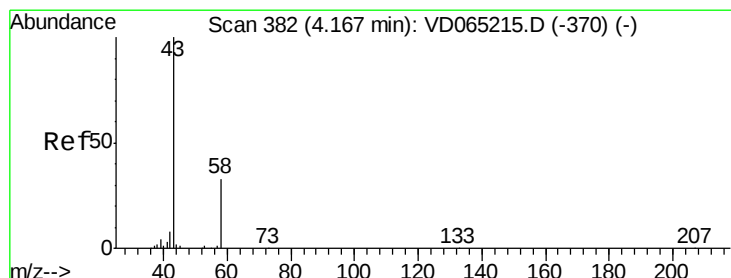
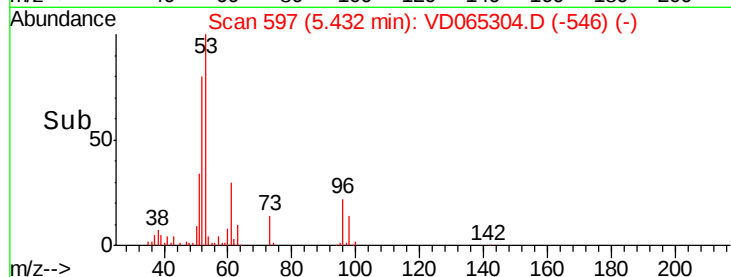
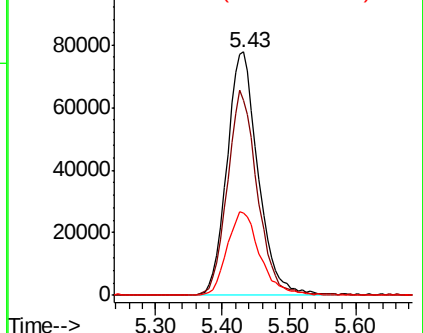
53 100

52 80.9 65.4 98.2

51 36.4 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 239.863 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065304.D

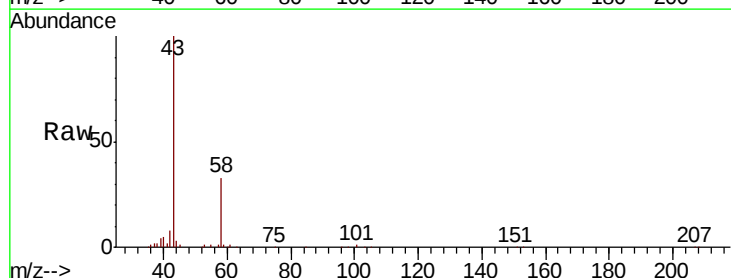
Acq: 25 Feb 2020 11:31

Tgt Ion: 43 Resp: 281584

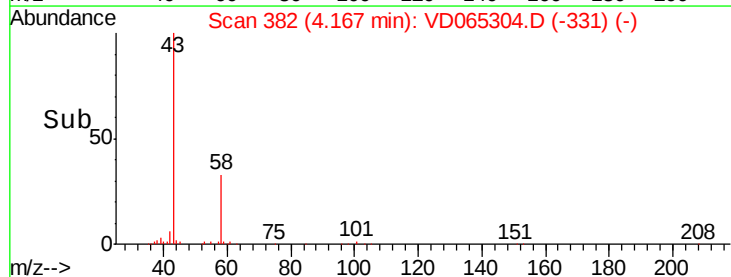
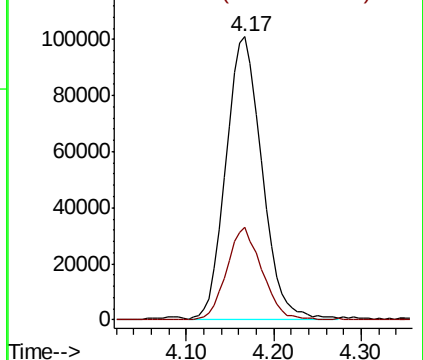
Ion Ratio Lower Upper

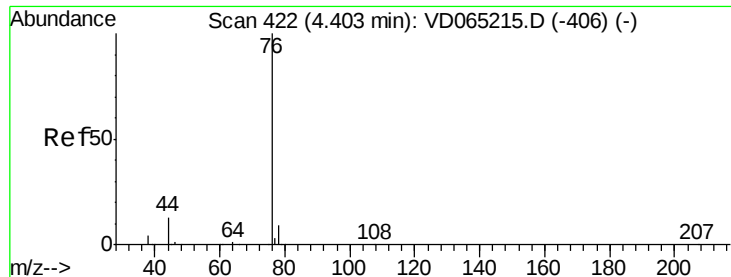
43 100

58 32.7 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 47.860 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

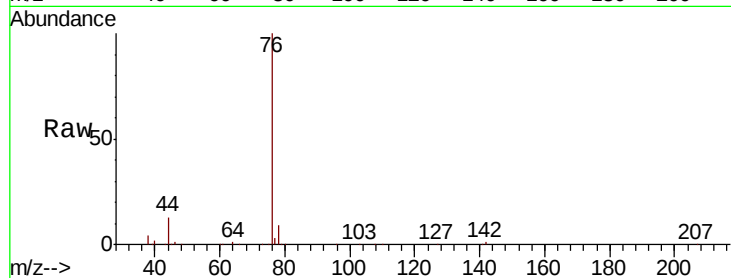
ClientSampleId :

Tot Ion: 76 Resp: 794157

Ion Ratio Lower Upper

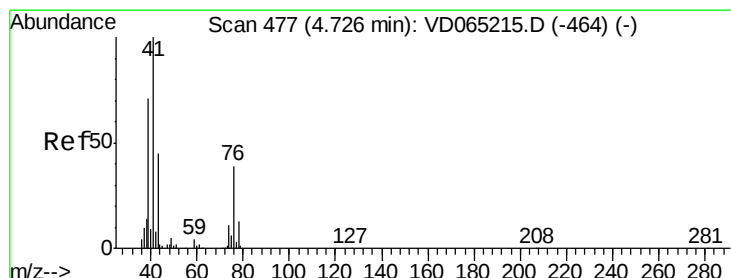
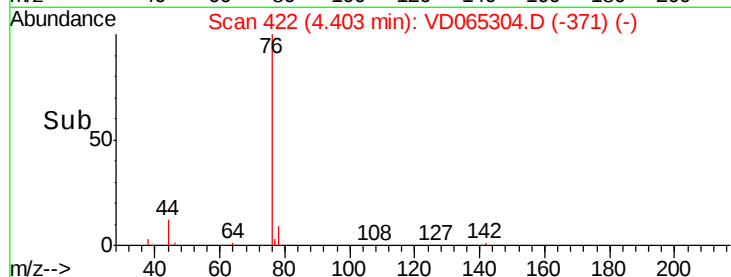
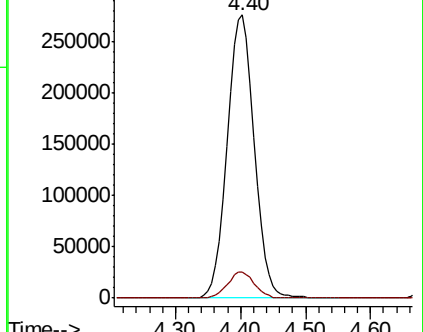
76 100

78 9.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 43.394 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065304.D

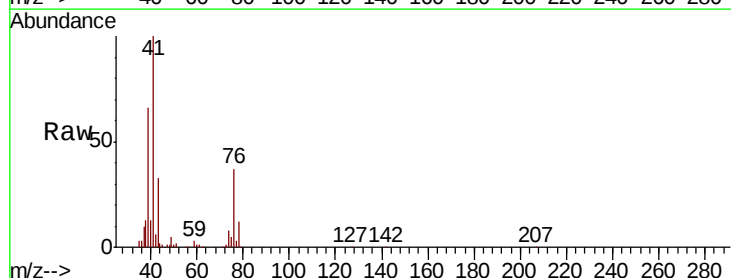
Acq: 25 Feb 2020 11:31

Tgt Ion: 43 Resp: 114573

Ion Ratio Lower Upper

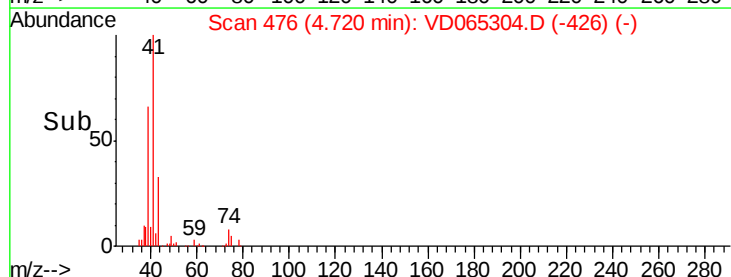
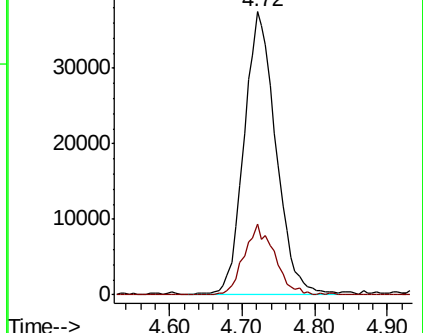
43 100

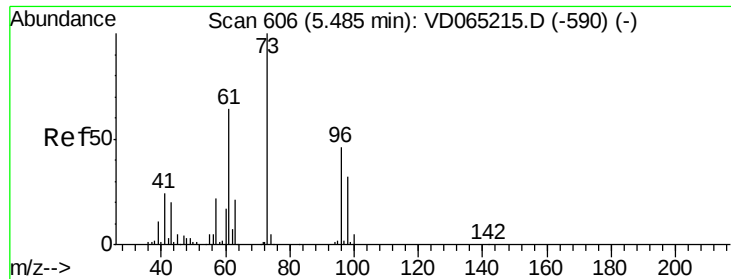
74 23.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



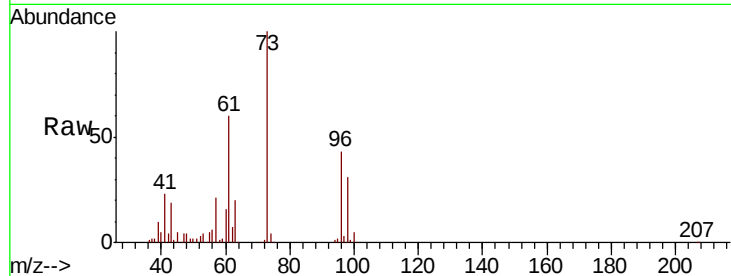


#19

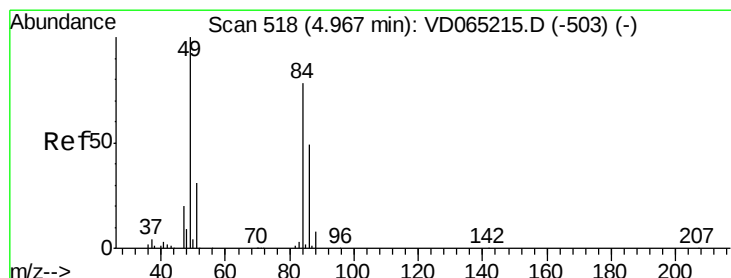
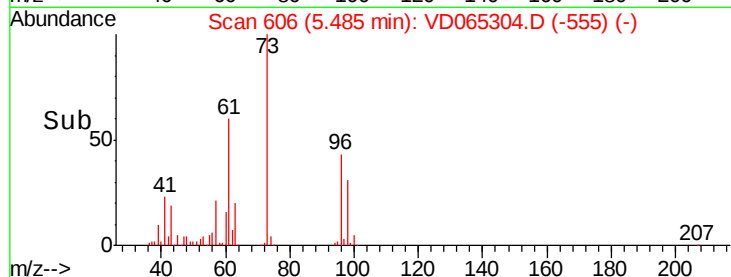
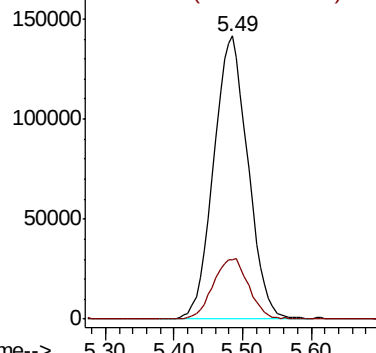
Methyl tert-butyl Ether
 Concen: 47.642 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 73 Resp: 491726
 Ion Ratio Lower Upper
 73 100
 57 21.1 17.3 25.9



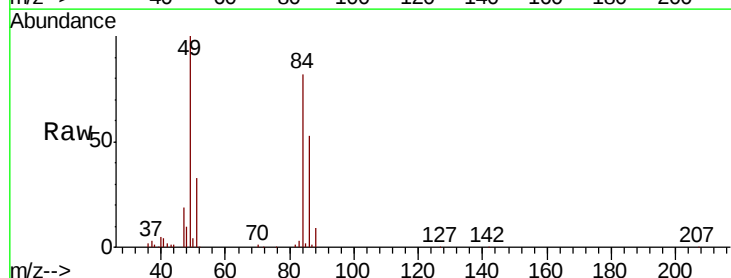
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



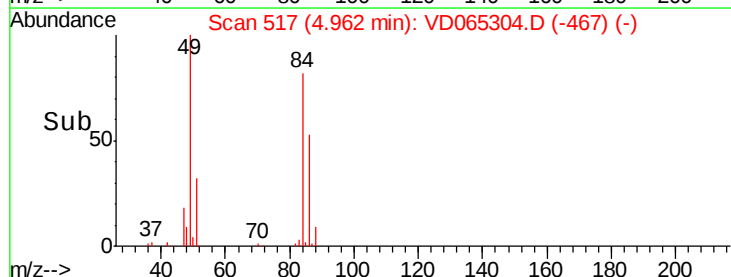
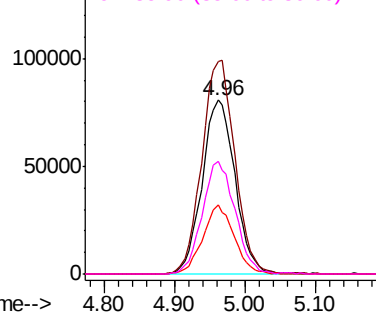
#20

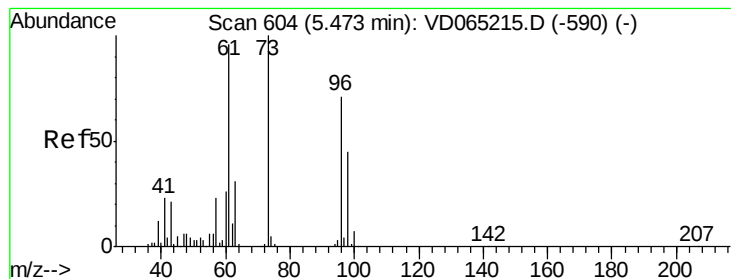
Methylene Chloride
 Concen: 50.101 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion: 84 Resp: 261783
 Ion Ratio Lower Upper
 84 100
 49 122.4 103.1 154.7
 51 39.9 31.7 47.5
 86 65.0 50.9 76.3



Abundance Ion 83.90 (83.60 to 84.60): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 49.876 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampled :

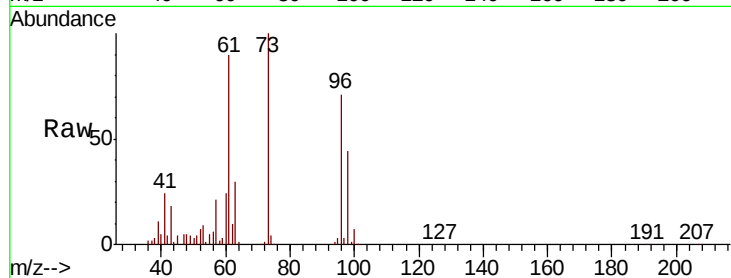
Tot Ion: 96 Resp: 280630

Ion Ratio Lower Upper

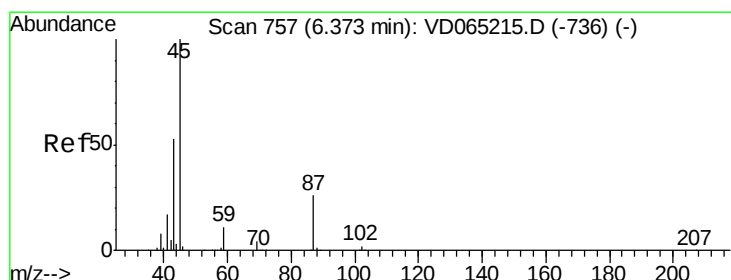
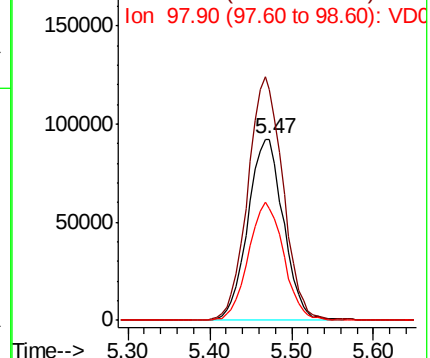
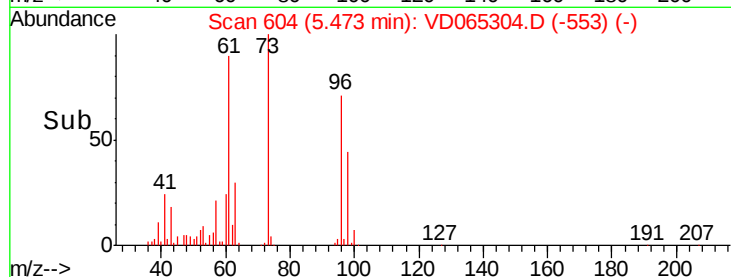
96 100

61 127.1 108.3 162.5

98 61.4 50.7 76.1



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



#22

Diisopropyl ether

Concen: 49.219 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Tgt Ion: 45 Resp: 762611

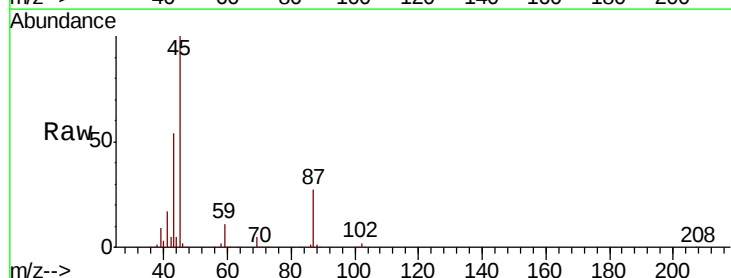
Ion Ratio Lower Upper

45 100

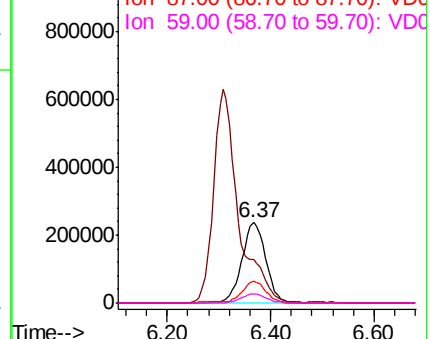
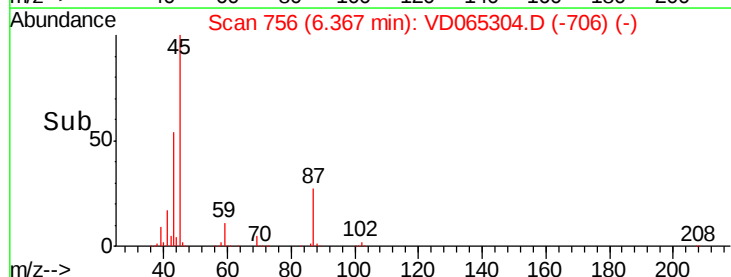
43 53.4 42.6 64.0

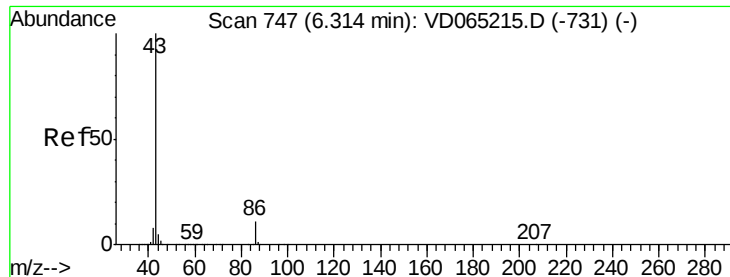
87 26.5 21.2 31.8

59 10.9 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 244.782 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

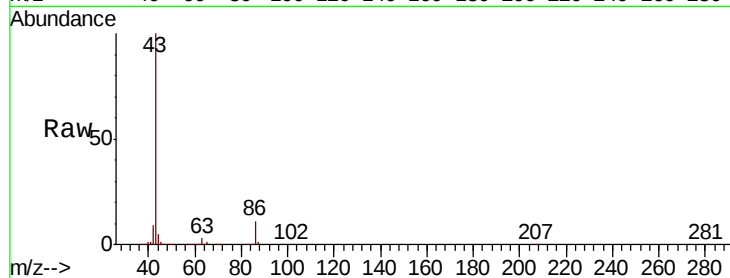
ClientSampleId :

Tot Ion: 43 Resp: 2090907

Ion Ratio Lower Upper

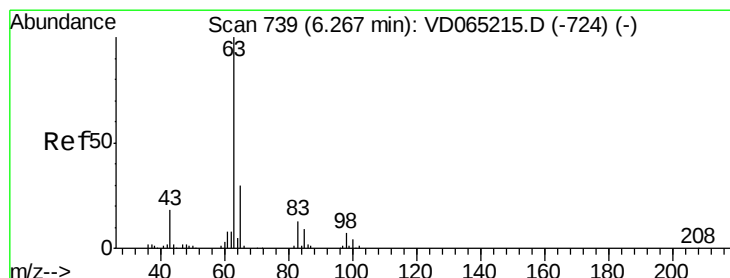
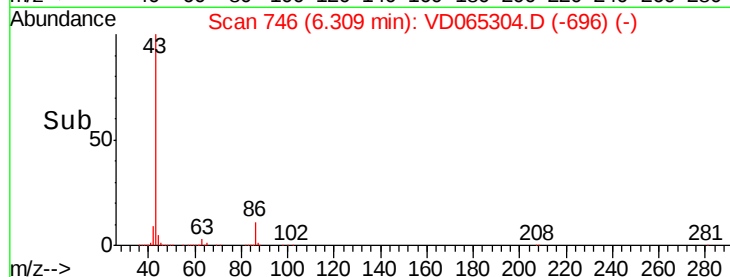
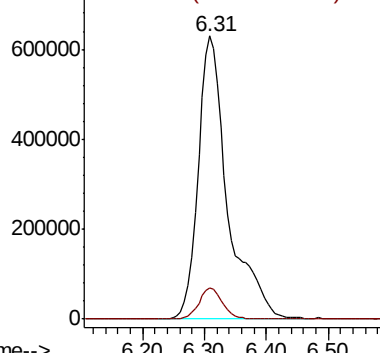
43 100

86 10.9 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.365 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

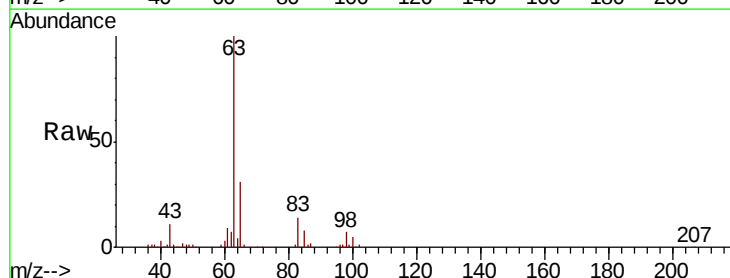
Tgt Ion: 63 Resp: 464812

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

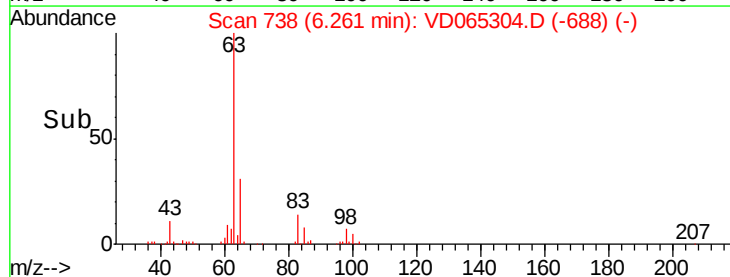
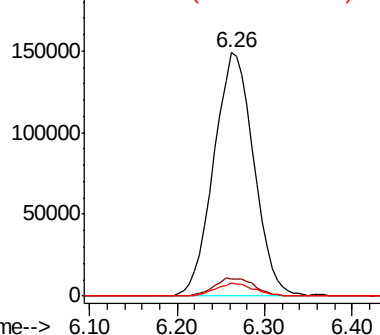
100 5.3 2.3 6.8

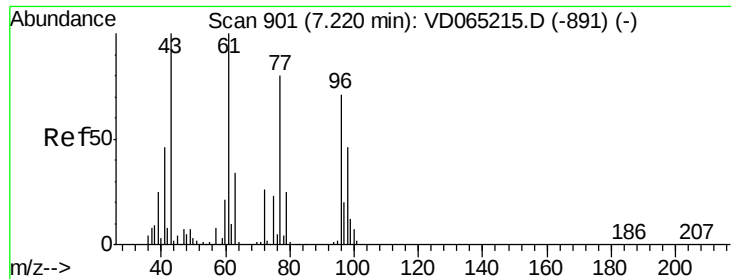


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 223.817 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

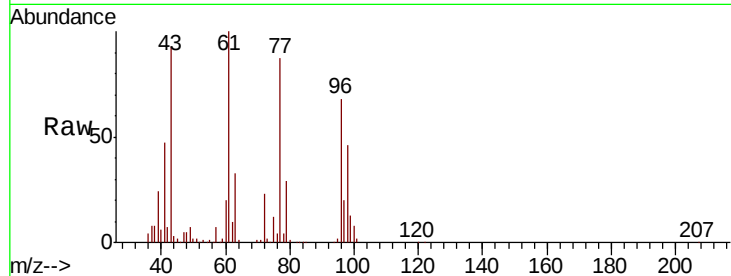
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 332431

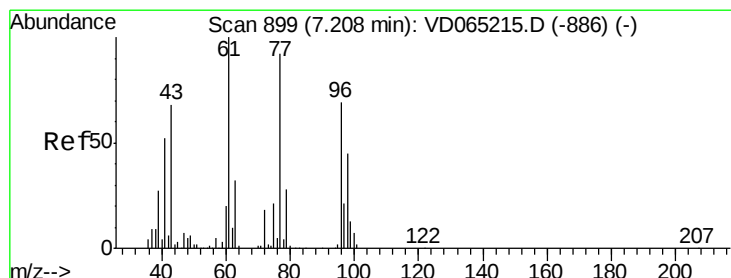
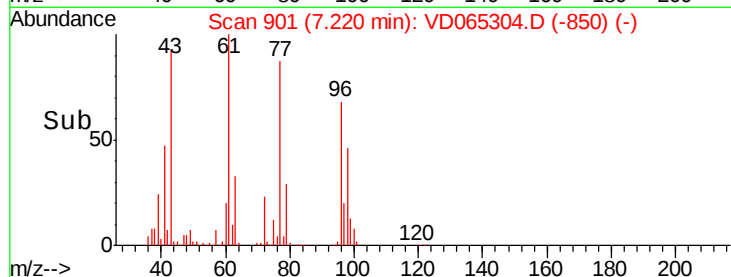
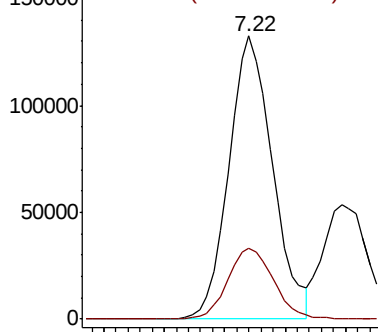
Ion Ratio Lower Upper

43 100

72 24.9 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.993 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065304.D

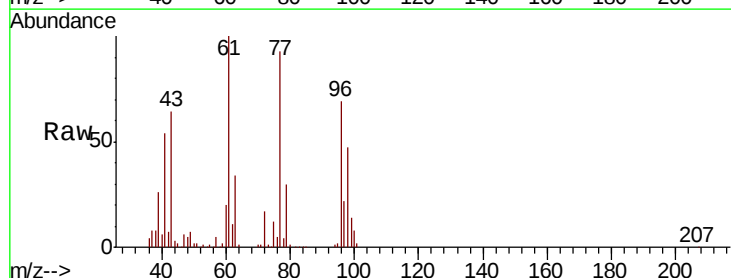
Acq: 25 Feb 2020 11:31

Tgt Ion: 77 Resp: 408525

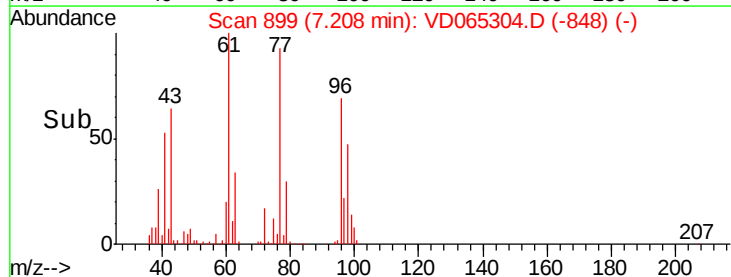
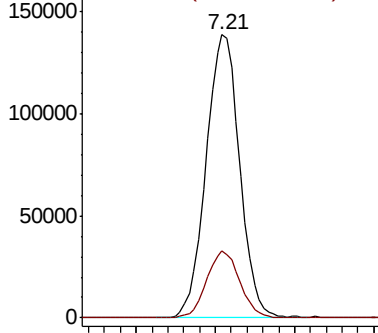
Ion Ratio Lower Upper

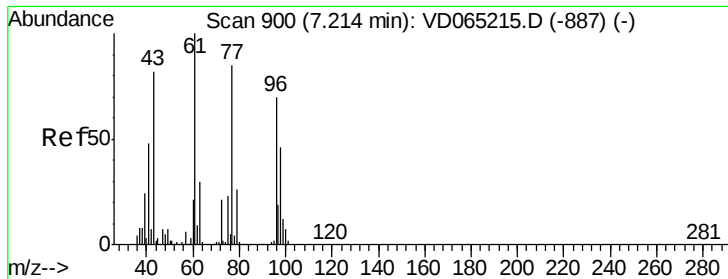
77 100

97 23.3 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



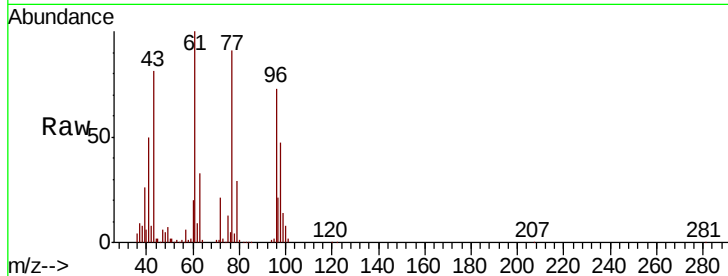


#27

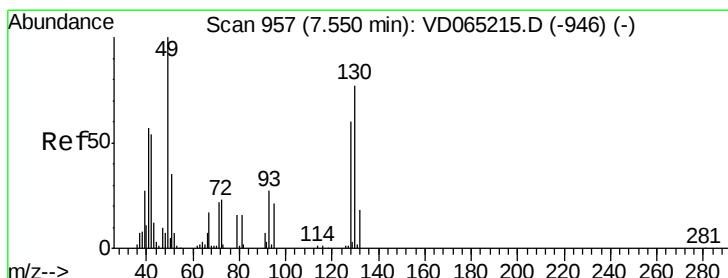
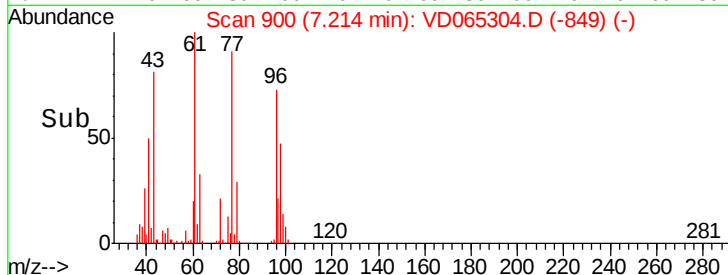
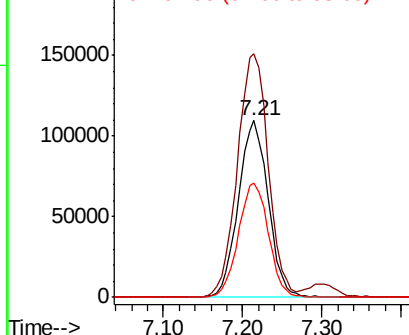
cis-1,2-Dichloroethene
 Concen: 48.139 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	286.0
98	65.2	0.0	127.8



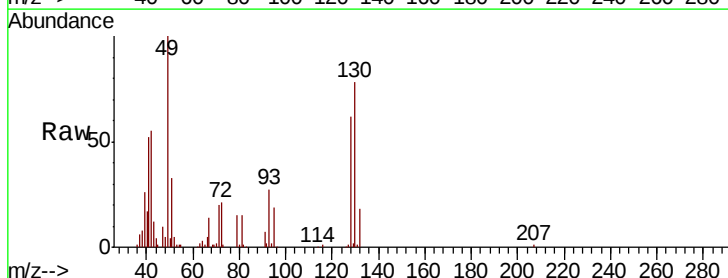
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



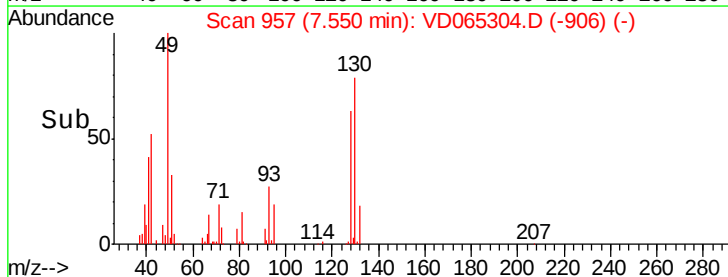
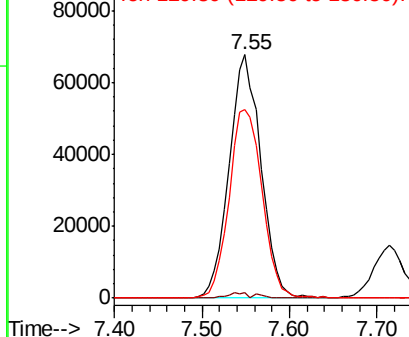
#28

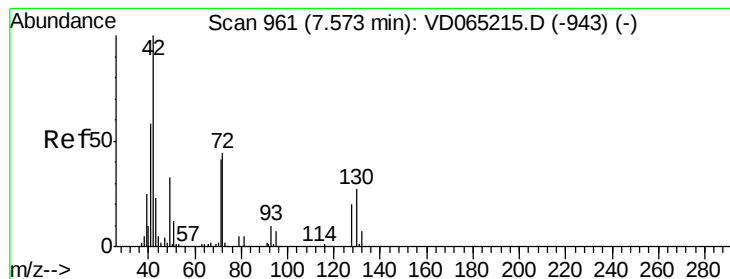
Bromochloromethane
 Concen: 46.850 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.6
130	80.7	64.7	97.1



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





#29

Tetrahydrofuran

Concen: 232.347 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

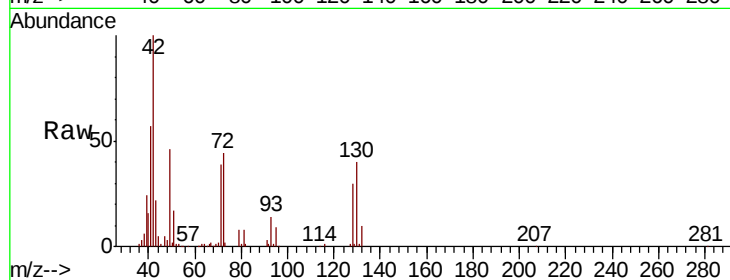
Tot Ion: 42 Resp: 202203

Ion Ratio Lower Upper

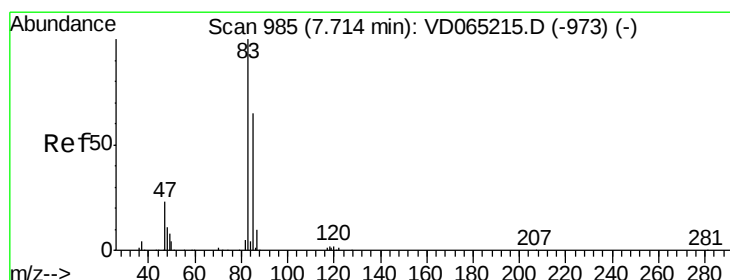
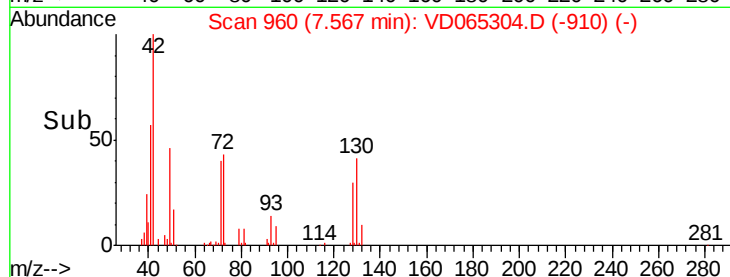
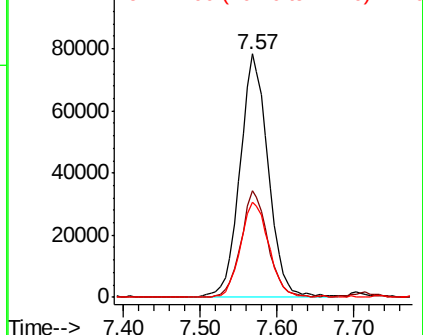
42 100

72 41.4 33.7 50.5

71 39.2 31.4 47.2



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 46.923 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065304.D

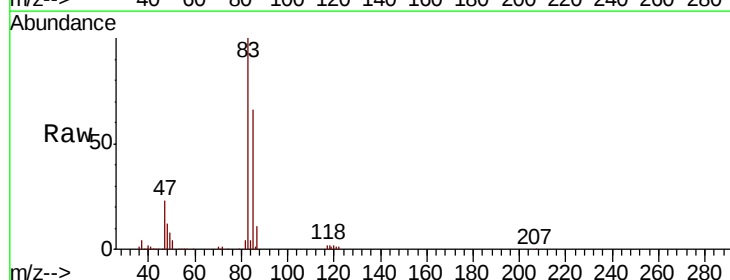
Acq: 25 Feb 2020 11:31

Tgt Ion: 83 Resp: 454324

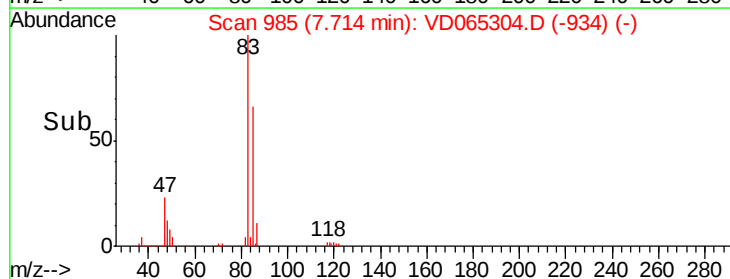
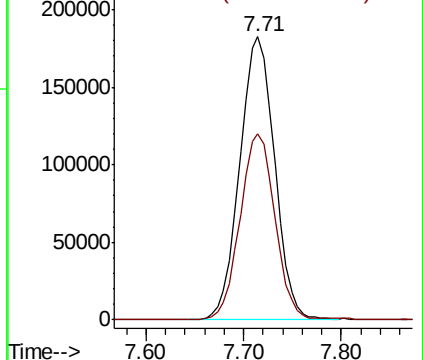
Ion Ratio Lower Upper

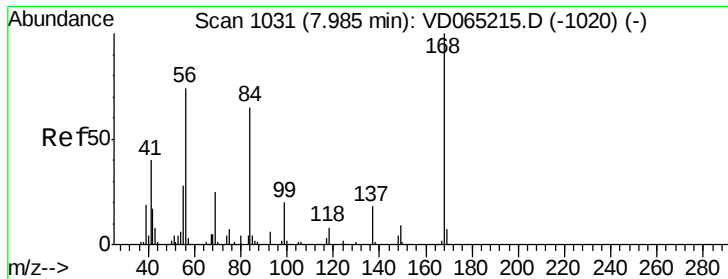
83 100

85 65.8 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

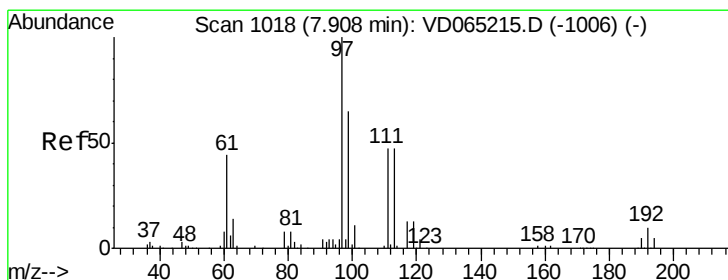
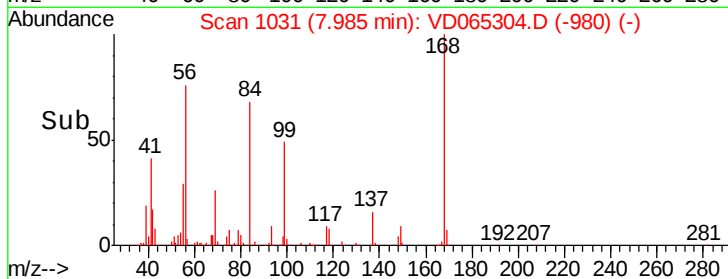
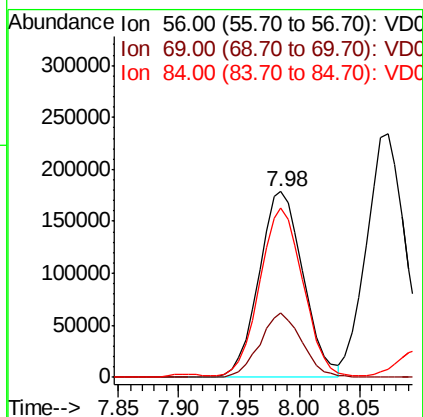
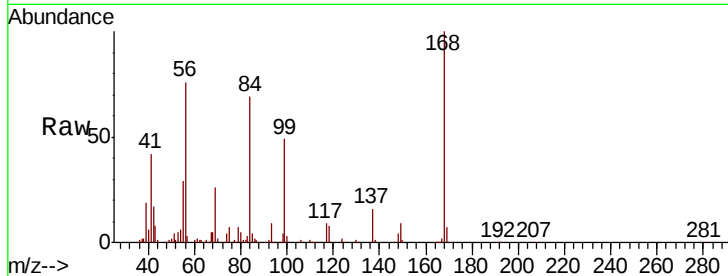




#31
Cyclohexane
Concen: 48.231 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

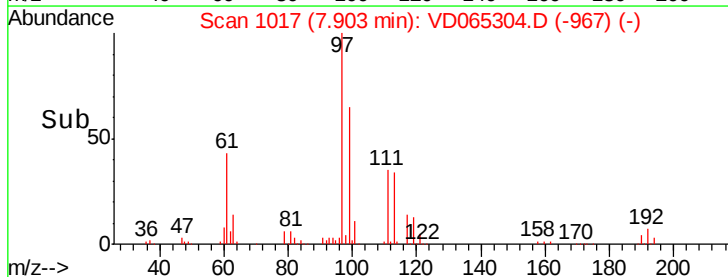
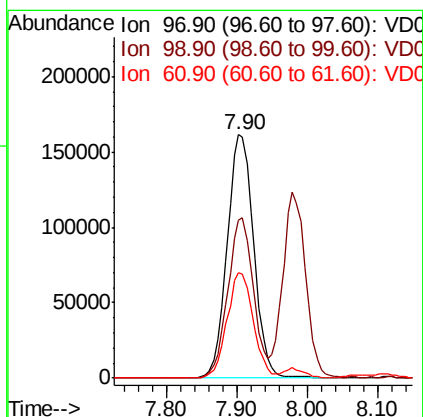
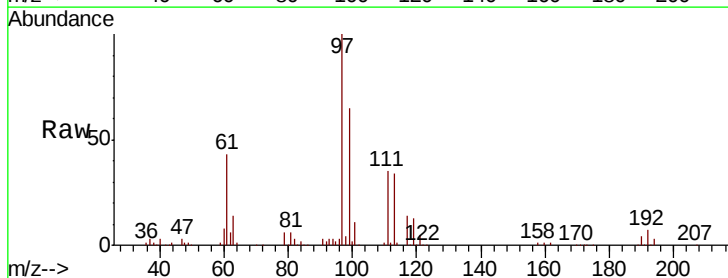
Instrument :
MSVOA_D
ClientSampleId :

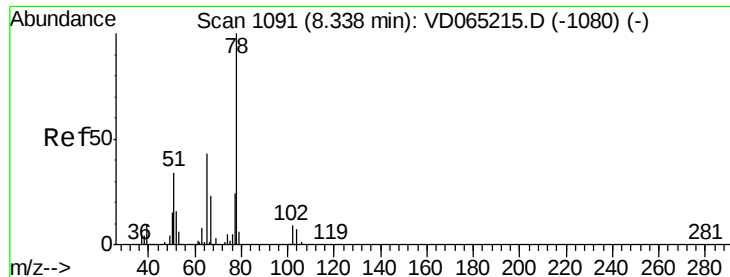
Tot Ion: 56 Resp: 455423
Ion Ratio Lower Upper
56 100
69 34.8 27.4 41.0
84 89.7 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 48.663 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion: 97 Resp: 421563
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.2
61 42.9 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 45.106 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

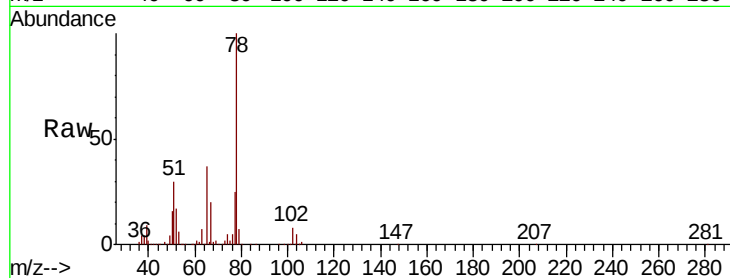
ClientSampled :

Tot Ion: 65 Resp: 216617

Ion Ratio Lower Upper

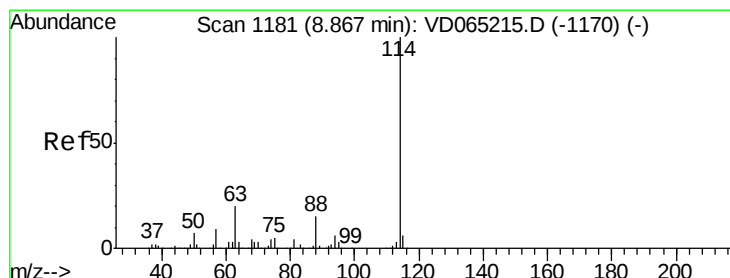
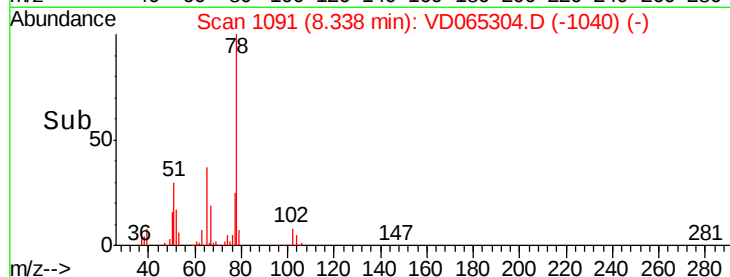
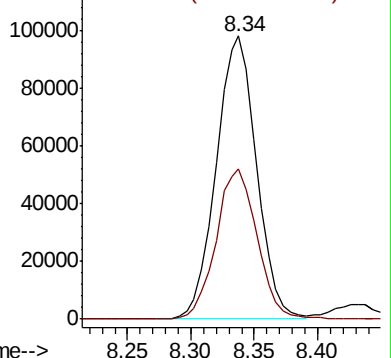
65 100

67 53.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

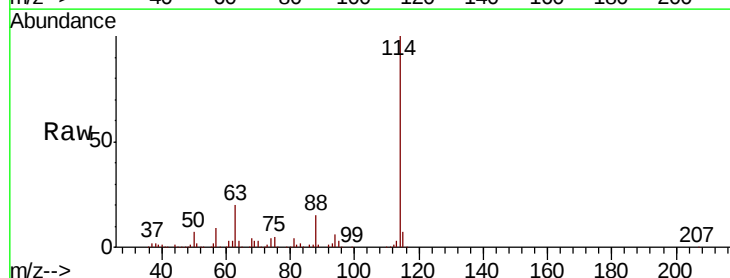
Tgt Ion: 114 Resp: 769733

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.4

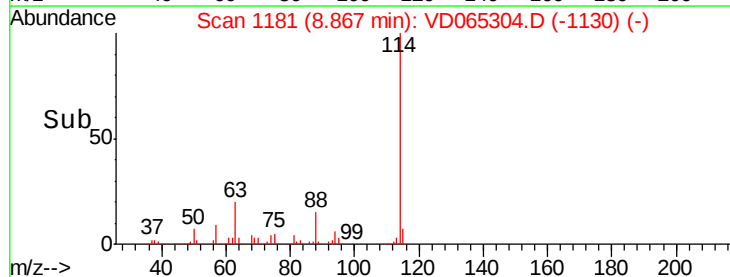
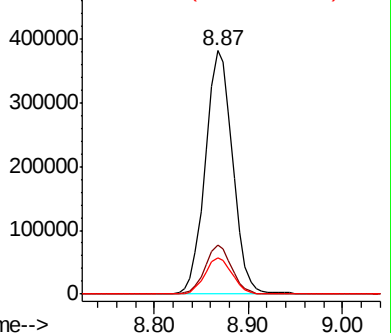
88 15.0 0.0 30.4

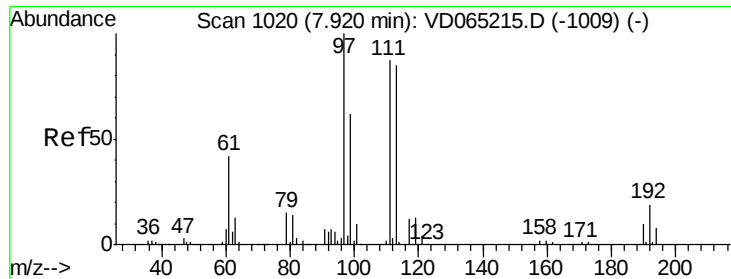


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

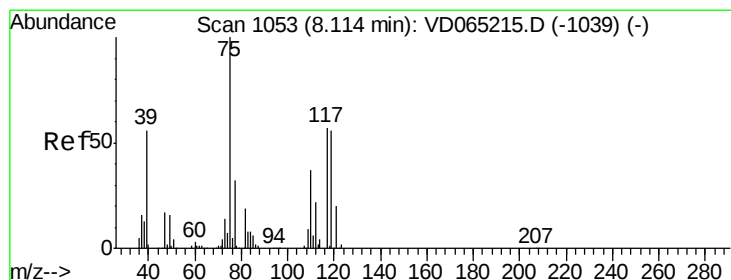
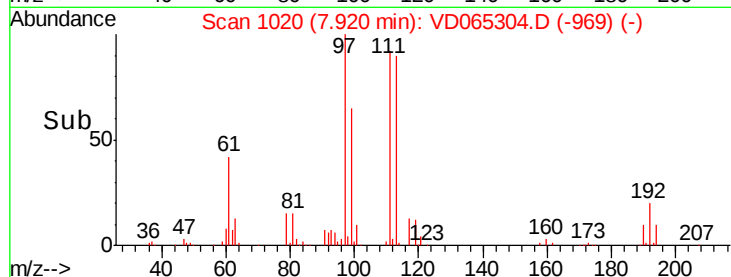
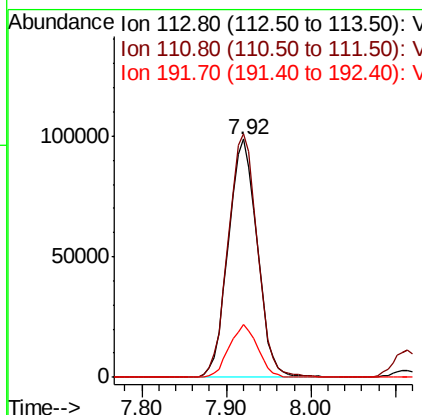
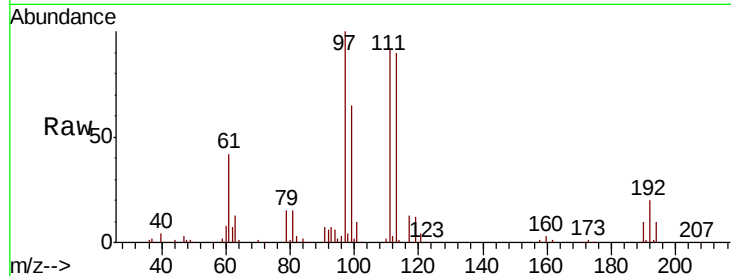




#35
 Dibromofluoromethane
 Concen: 49.823 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

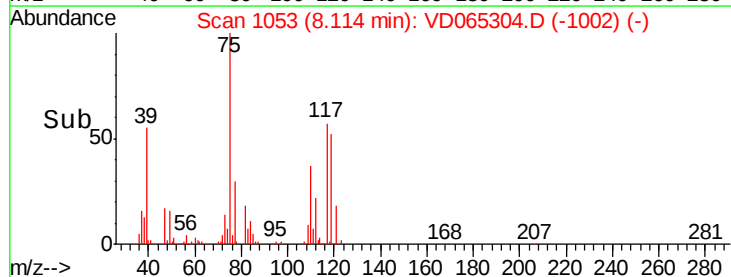
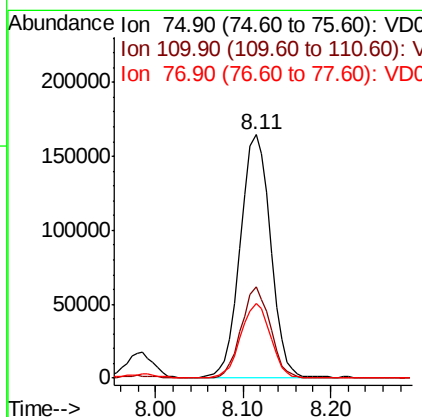
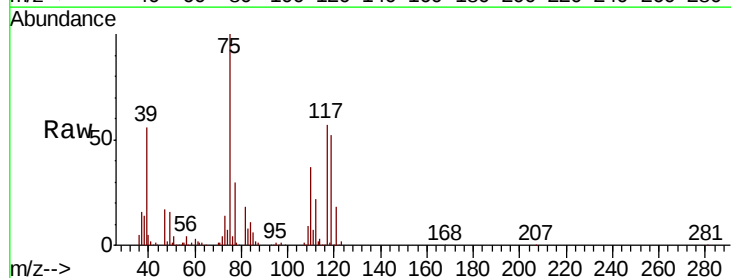
Instrument :
 MSVOA_D
 ClientSampleId :

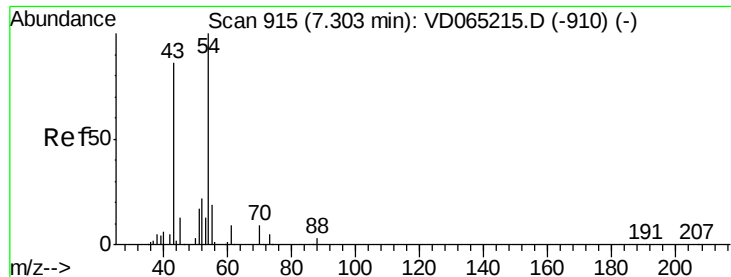
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	21.8	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 51.334 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.9	53.7
77	30.7	25.1	37.7

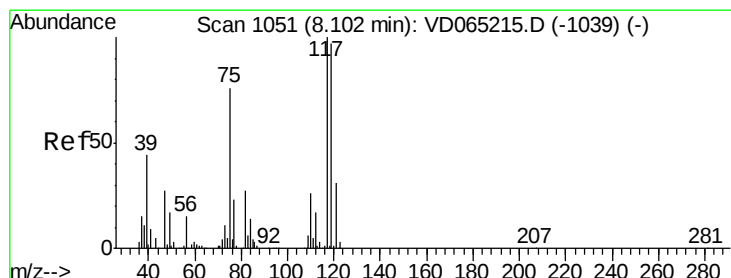
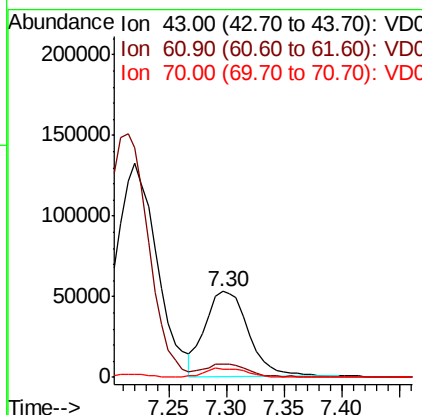
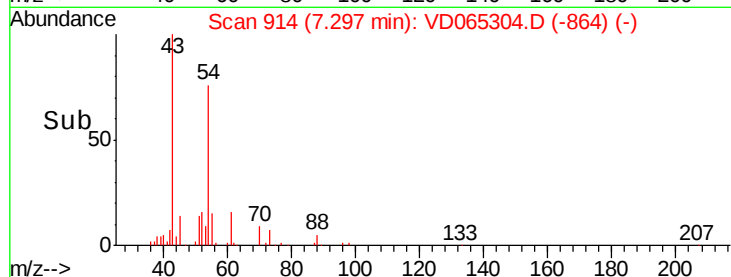
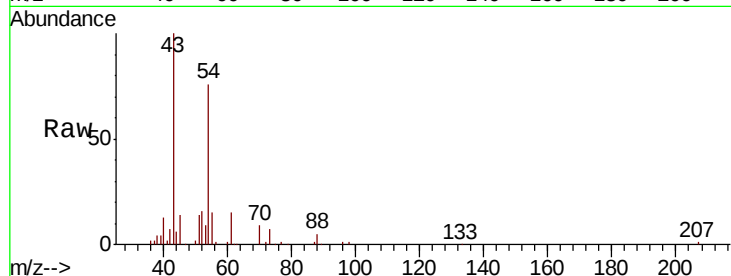




#37
Ethyl Acetate
Concen: 44.216 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

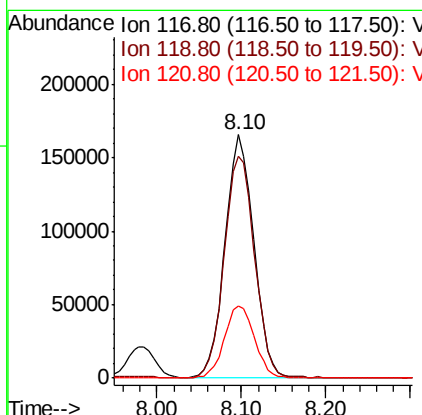
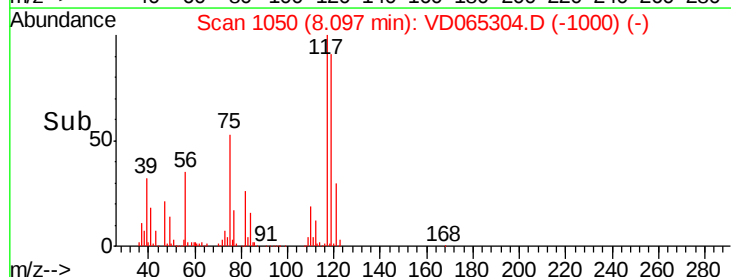
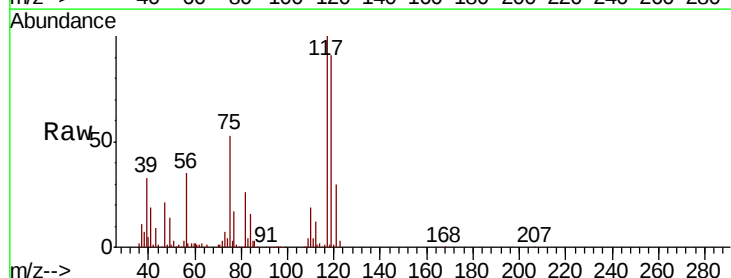
Instrument :
MSVOA_D
ClientSampleId :

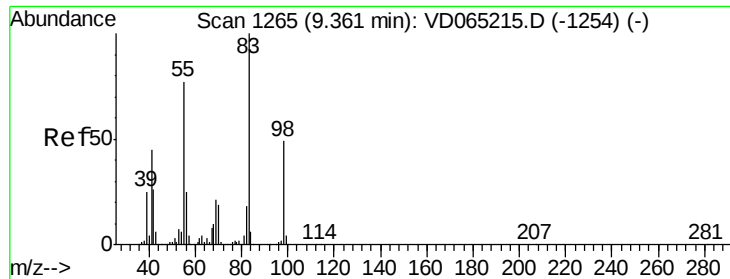
Tot Ion: 43 Resp: 138440
Ion Ratio Lower Upper
43 100
61 14.4 11.2 16.8
70 10.3 8.2 12.2



#38
Carbon Tetrachloride
Concen: 51.208 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion: 117 Resp: 390425
Ion Ratio Lower Upper
117 100
119 90.8 77.6 116.4
121 29.8 24.8 37.2

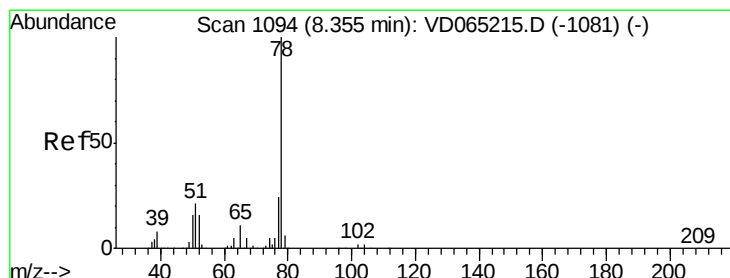
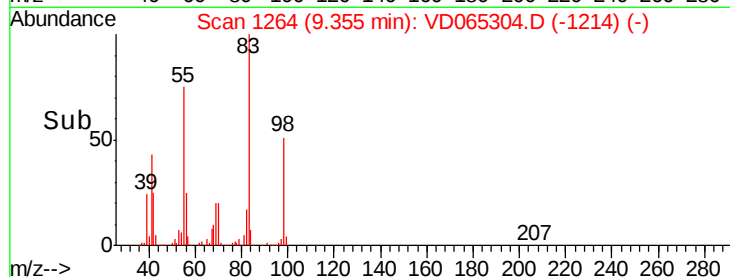
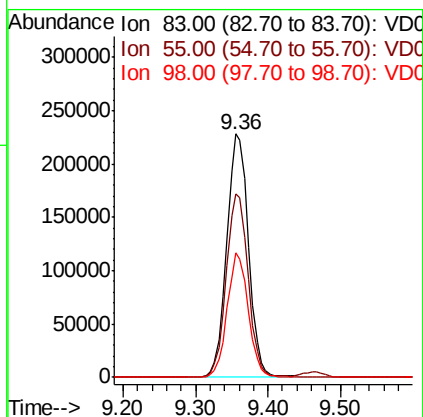
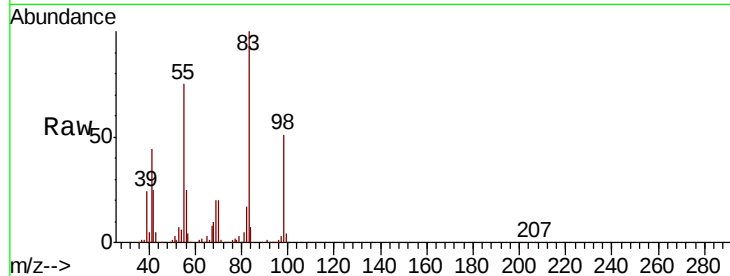




#39
Methvlcvclohexane
Concen: 54.160 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

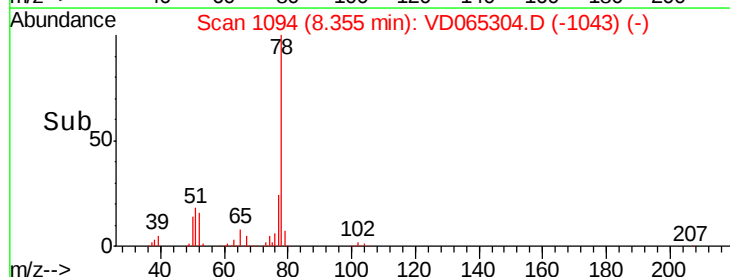
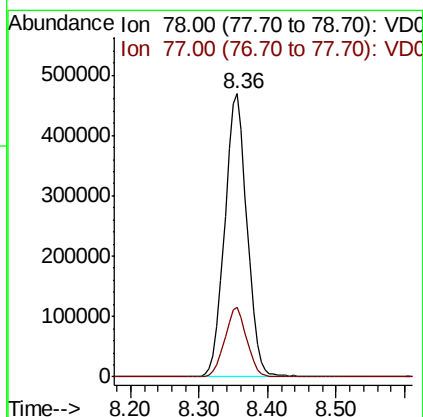
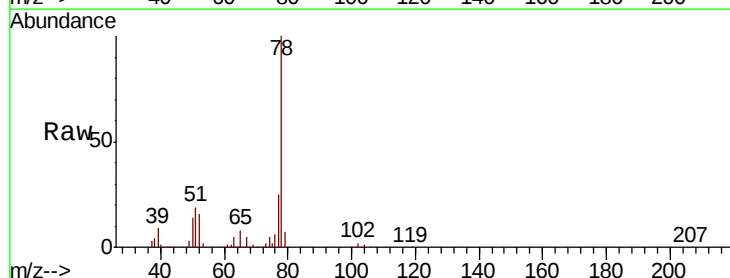
Instrument :
MSVOA_D
ClientSampleId :

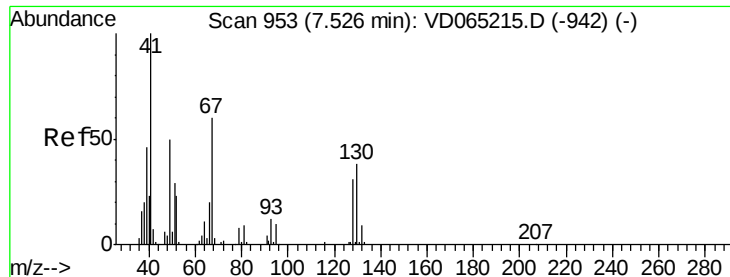
Tot Ion: 83 Resp: 476874
Ion Ratio Lower Upper
83 100
55 75.4 61.8 92.6
98 51.0 39.4 59.0



#40
Benzene
Concen: 50.049 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion: 78 Resp: 1058030
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6

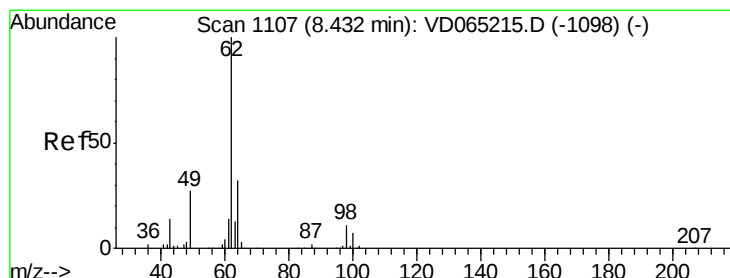
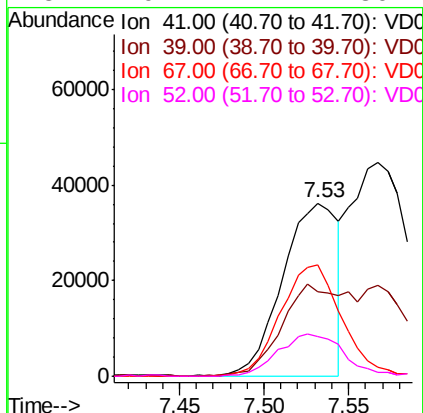
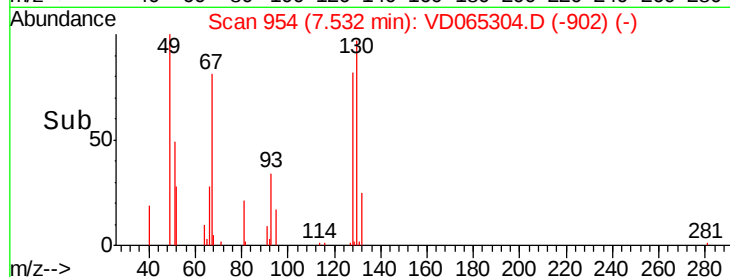
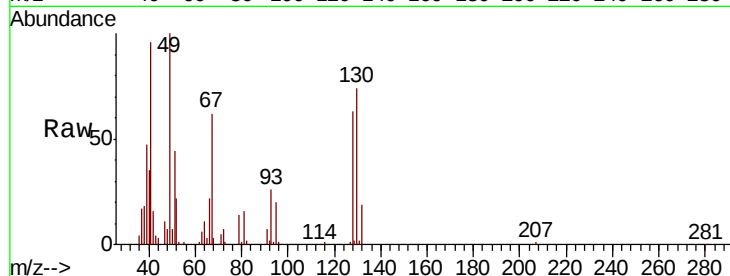




#41
Methacrylonitrile
Concen: 45.597 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

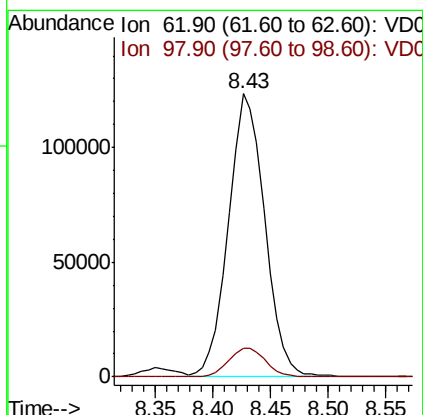
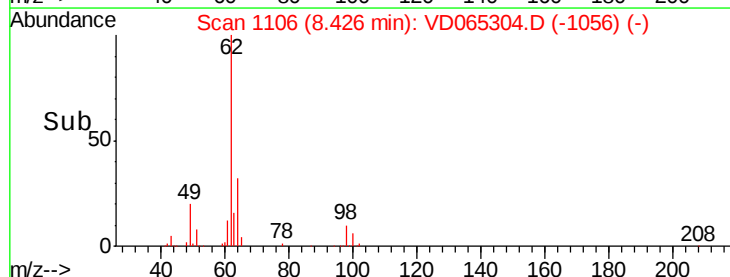
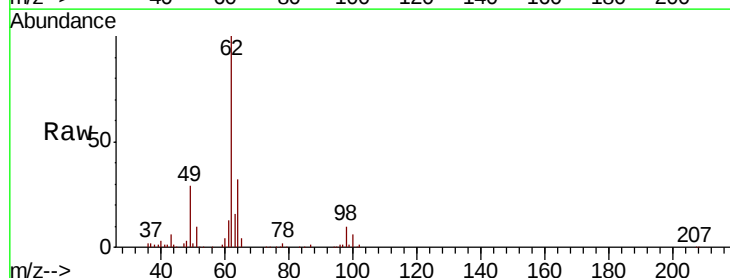
Instrument :
MSVOA_D
ClientSampleId :

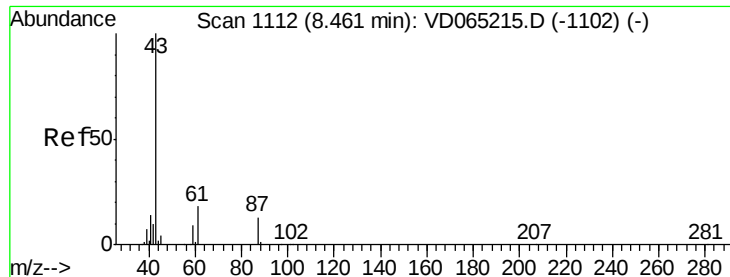
Tot Ion:	41	Resp:	82431
Ion	Ratio	Lower	Upper
41	100		
39	66.6	48.1	72.1
67	71.1	58.9	88.3
52	29.7	24.2	36.2



#42
1,2-Dichloroethane
Concen: 46.121 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion:	62	Resp:	268037
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 46.402 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

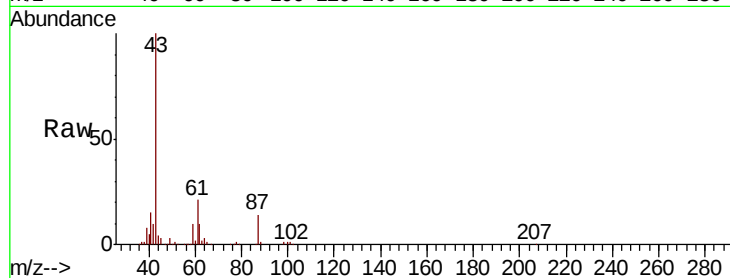
Tot Ion: 43 Resp: 264194

Ion Ratio Lower Upper

43 100

61 31.4 24.6 36.8

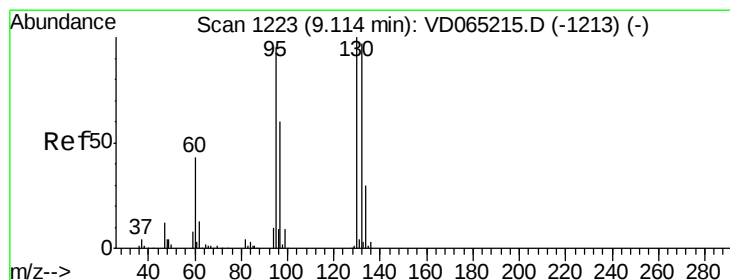
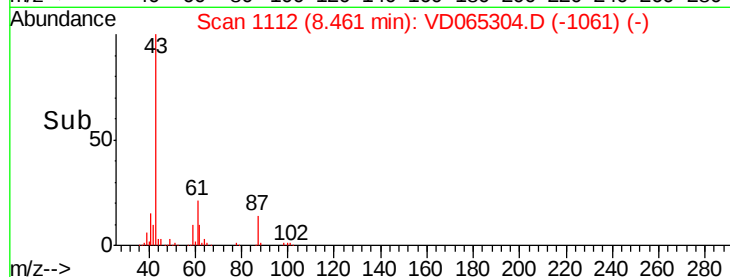
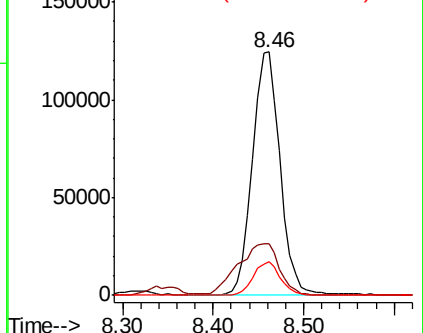
87 13.3 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.416 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065304.D

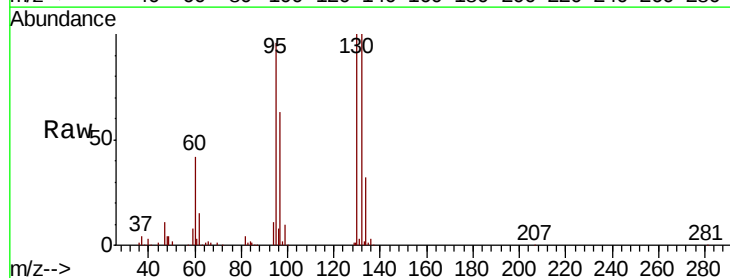
Acq: 25 Feb 2020 11:31

Tgt Ion: 130 Resp: 295434

Ion Ratio Lower Upper

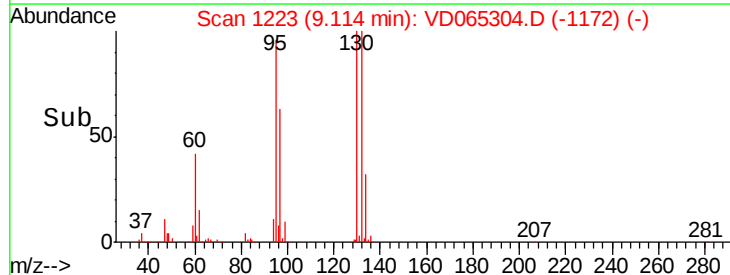
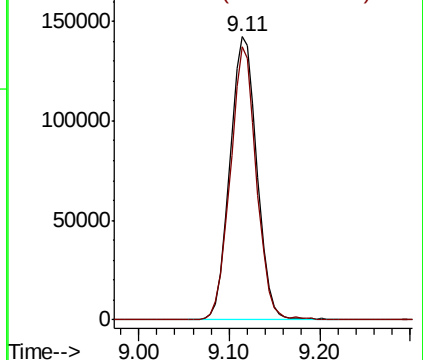
130 100

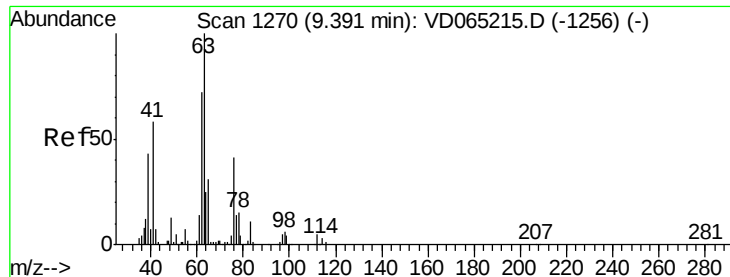
95 96.4 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.186 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

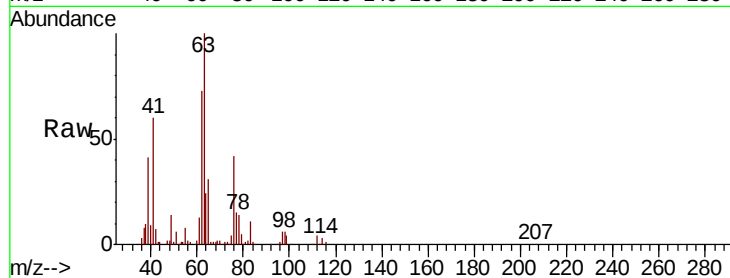
ClientSampled :

Tot Ion: 63 Resp: 258552

Ion Ratio Lower Upper

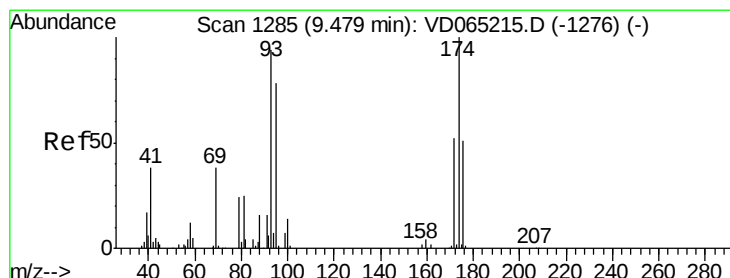
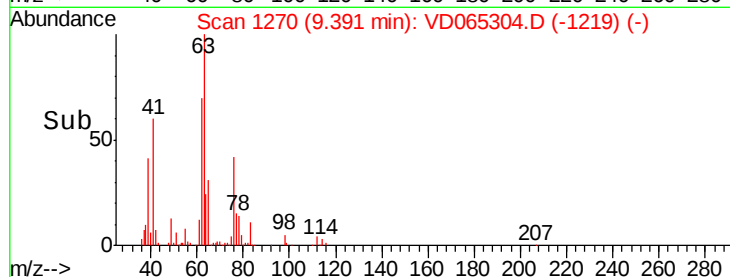
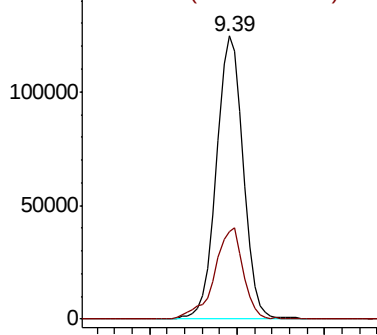
63 100

65 31.0 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 47.728 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

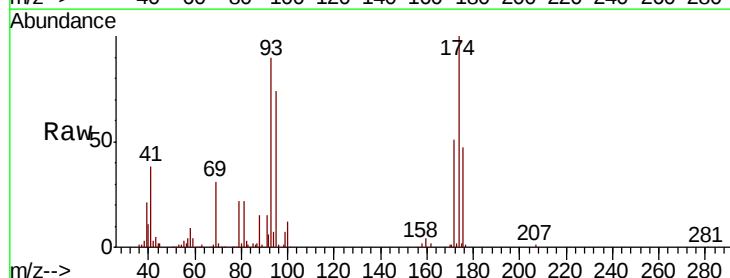
Tgt Ion: 93 Resp: 129088

Ion Ratio Lower Upper

93 100

95 82.9 65.8 98.6

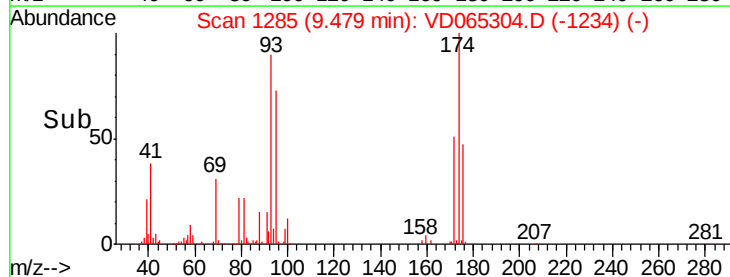
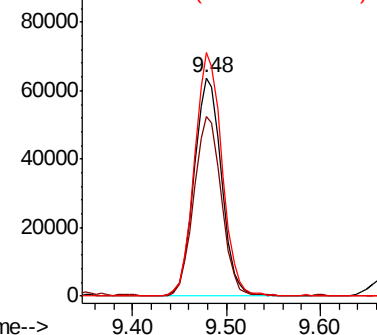
174 112.0 86.8 130.2

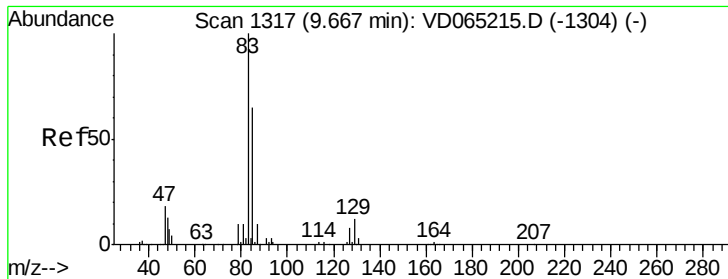


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

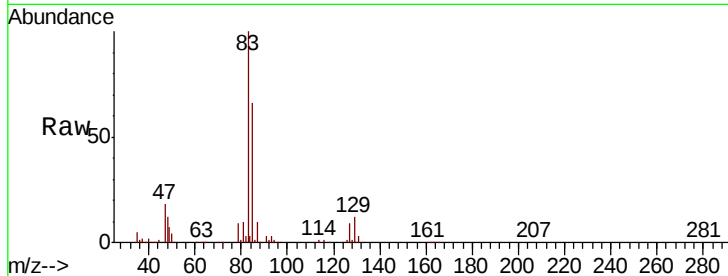




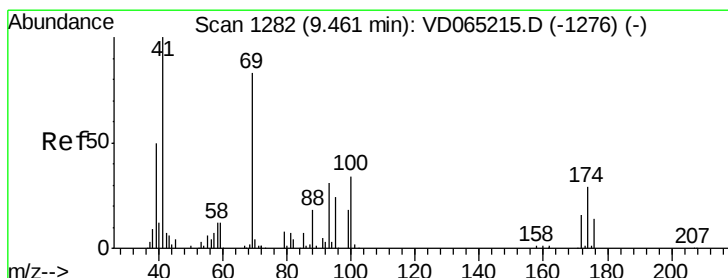
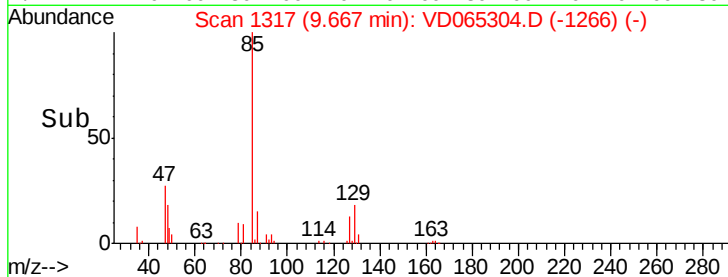
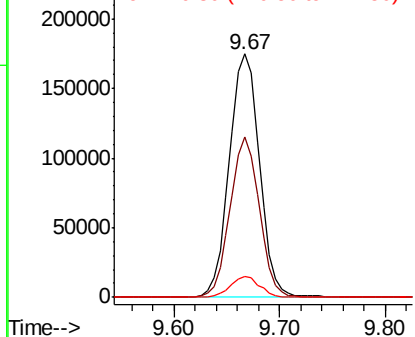
#47
Bromodichloromethane
Concen: 48.501 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 345697
Ion Ratio Lower Upper
83 100
85 66.1 52.0 78.0
127 8.6 6.7 10.1

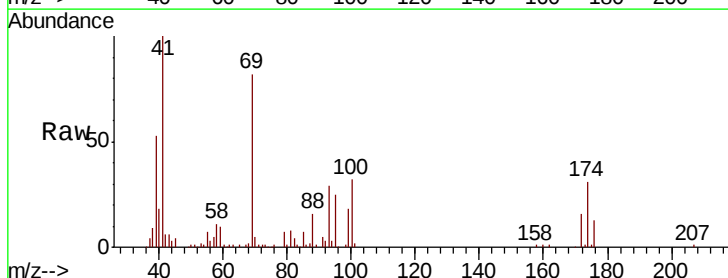


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

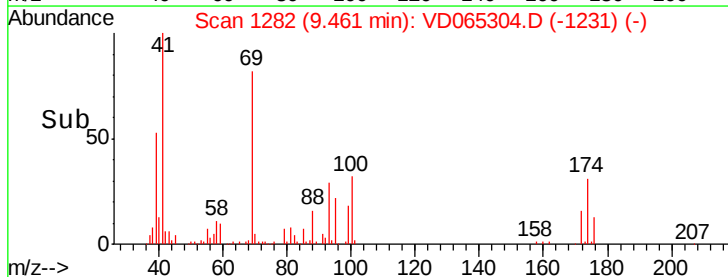
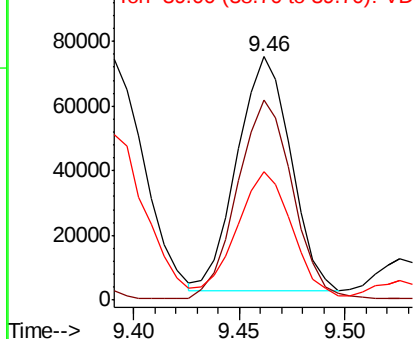


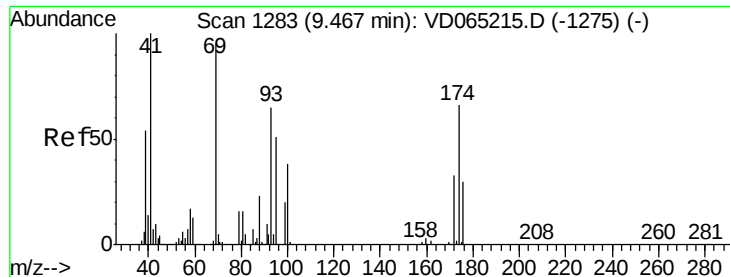
#48
Methyl methacrylate
Concen: 48.523 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion: 41 Resp: 127699
Ion Ratio Lower Upper
41 100
69 89.1 68.2 102.2
39 53.6 42.0 63.0



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

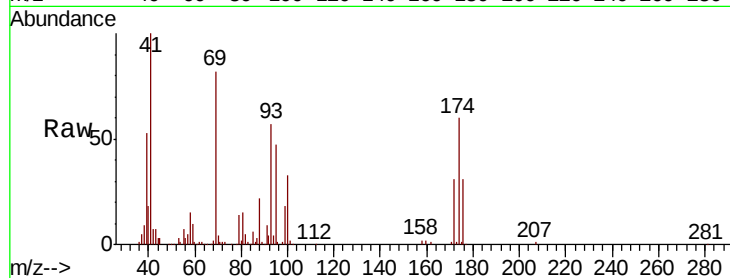




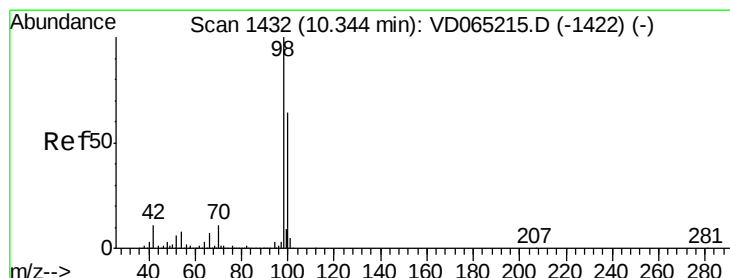
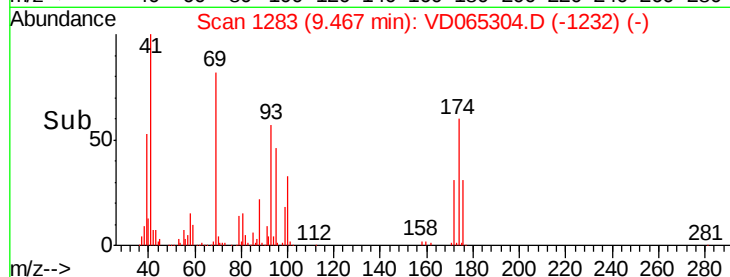
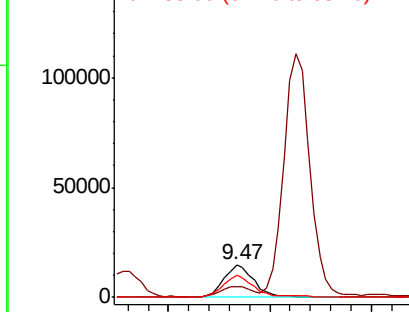
#49
1,4-Dioxane
Concen: 956.801 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 30351
Ion Ratio Lower Upper
88 100
43 32.7 28.5 42.7
58 66.7 58.6 87.8

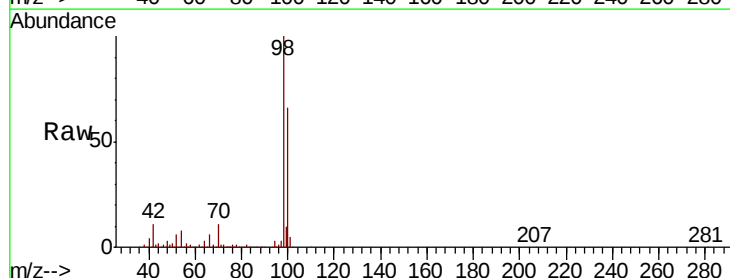


Abundance Ion 88.00 (87.70 to 88.70): VDC
150000 Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

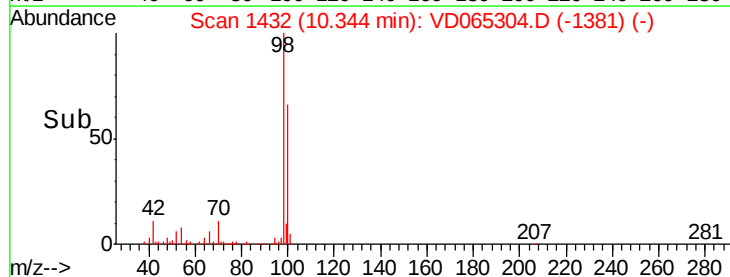
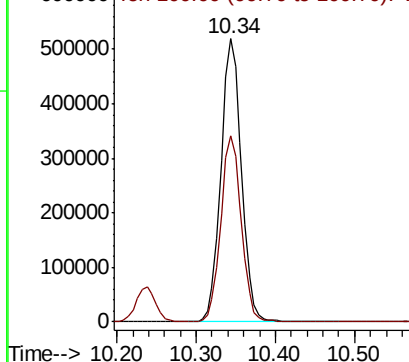


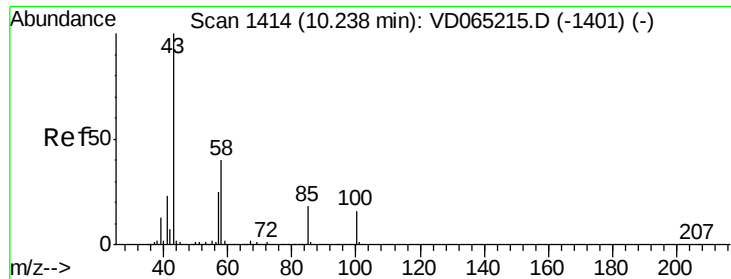
#50
Toluene-d8
Concen: 51.877 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion: 98 Resp: 930799
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
600000 Ion 100.00 (99.70 to 100.70): VDC

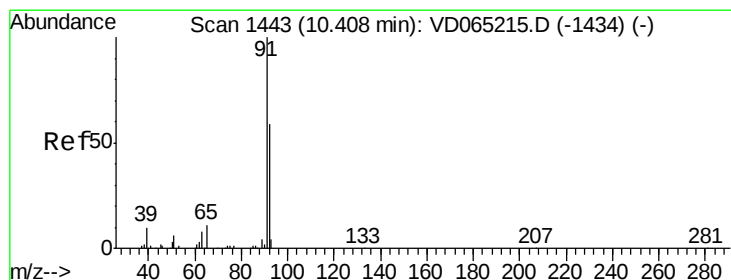
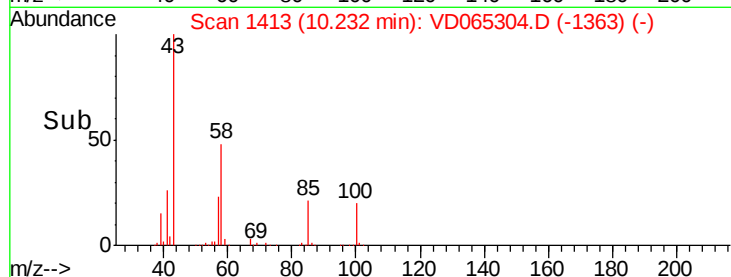
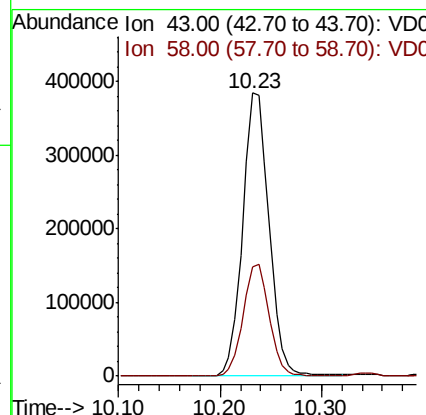
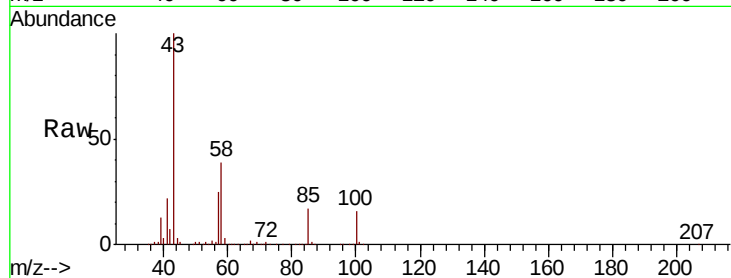




#51
 4-Methyl-2-Pentanone
 Concen: 240.404 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

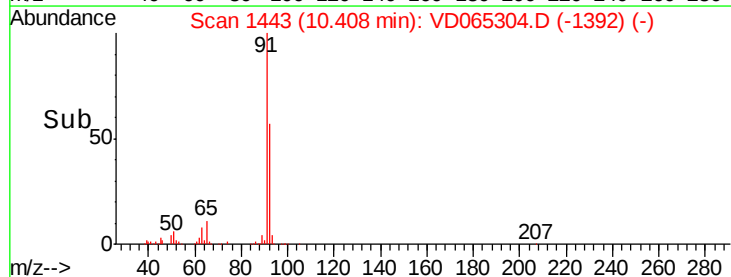
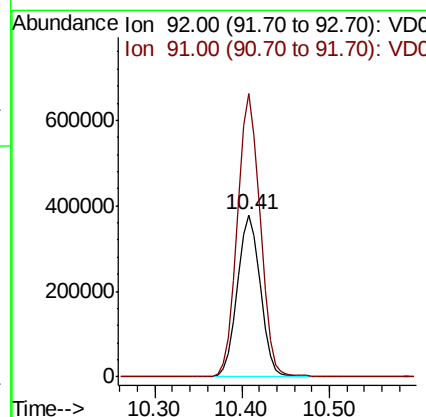
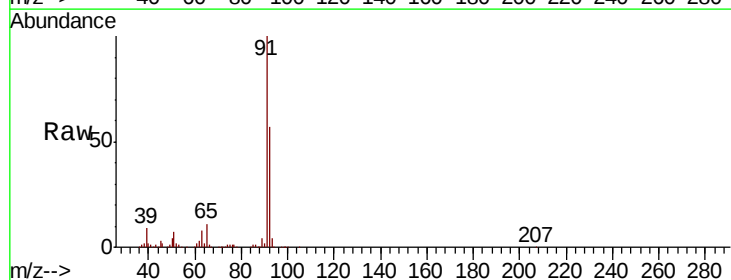
Instrument :
 MSVOA_D
 ClientSampled :

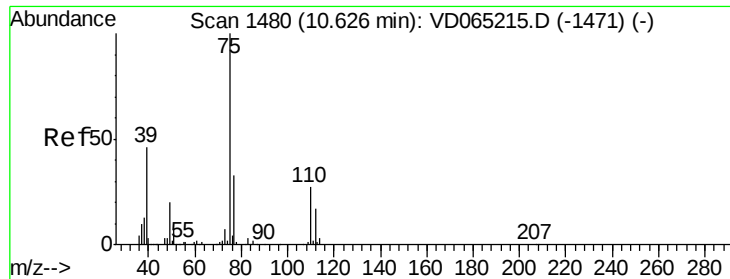
Tot Ion: 43 Resp: 695209
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.1 46.7



#52
 Toluene
 Concen: 51.609 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion: 92 Resp: 675312
 Ion Ratio Lower Upper
 92 100
 91 173.0 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 49.237 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

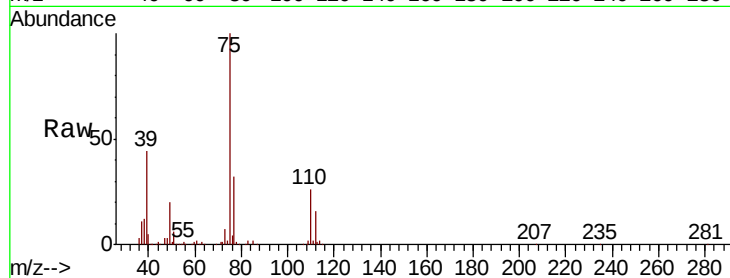
ClientSampleId :

Tot Ion: 75 Resp: 325295

Ion Ratio Lower Upper

75 100

77 31.7 26.6 40.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

200000

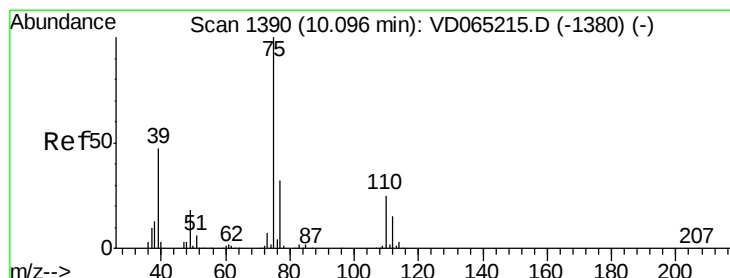
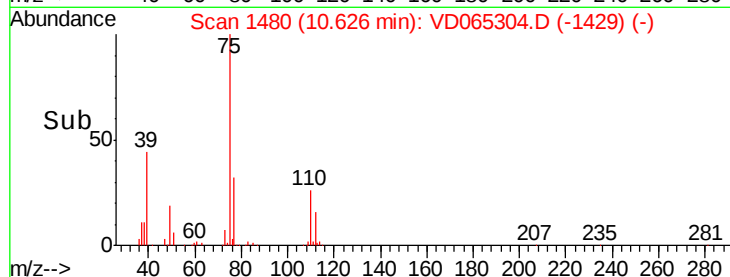
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.962 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

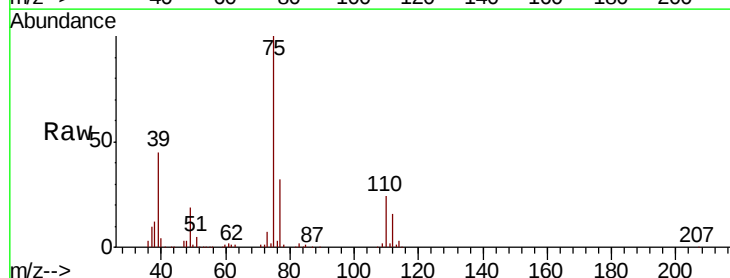
Tgt Ion: 75 Resp: 398588

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

39 45.1 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.10

250000

200000

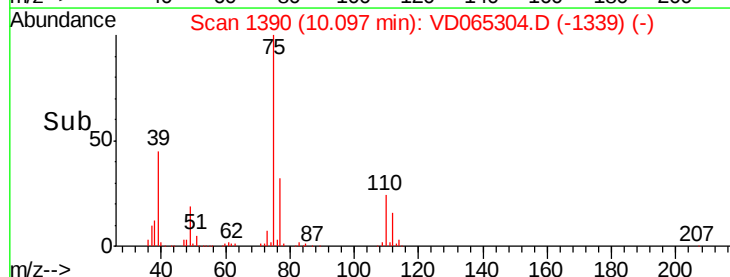
150000

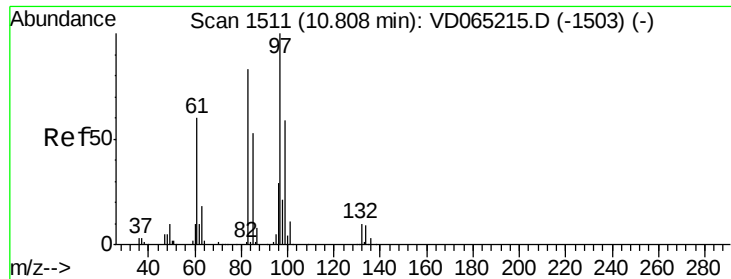
100000

50000

0

Time-->

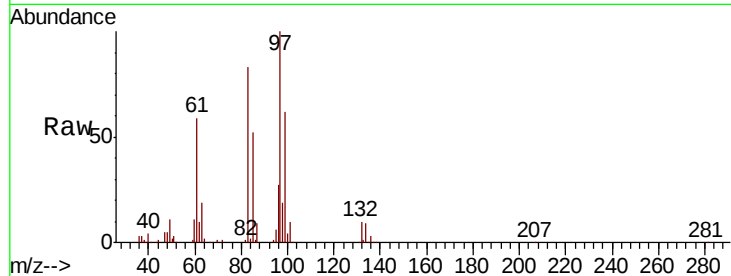




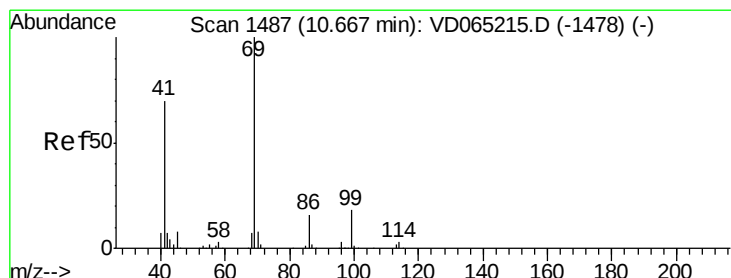
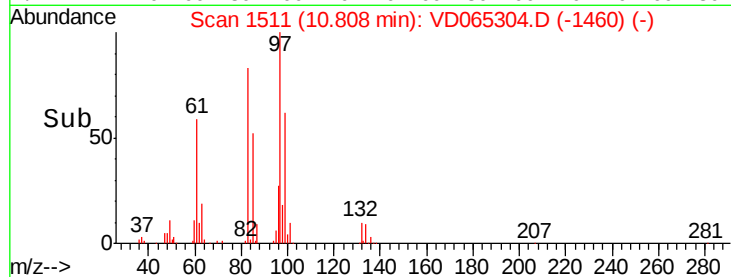
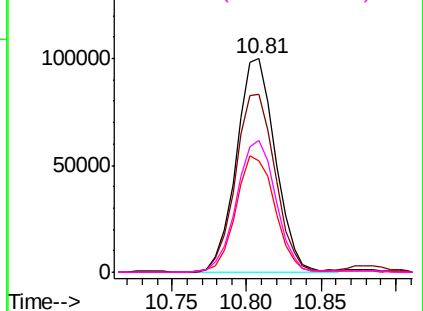
#55
 1,1,2-Trichloroethane
 Concen: 47.767 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	181837
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.7	100.1
85	52.2	42.4	63.6
99	61.5	47.5	71.3

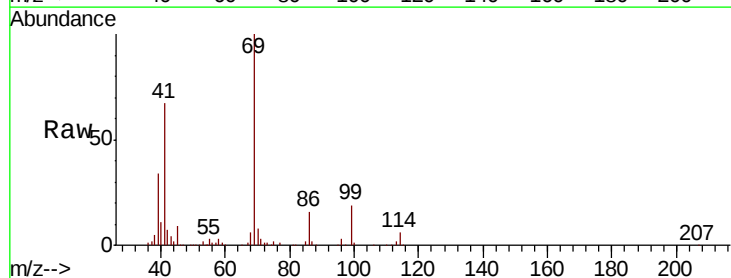


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

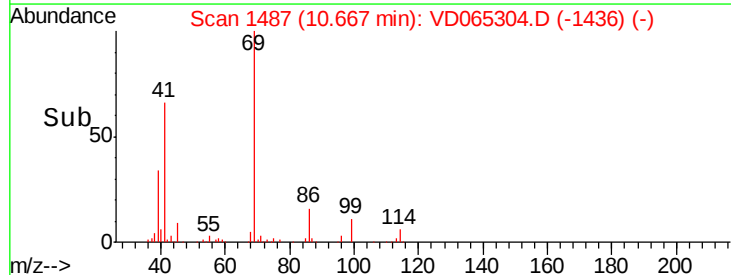
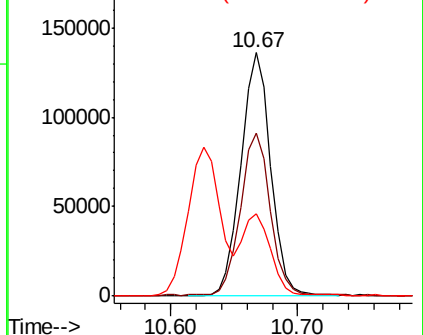


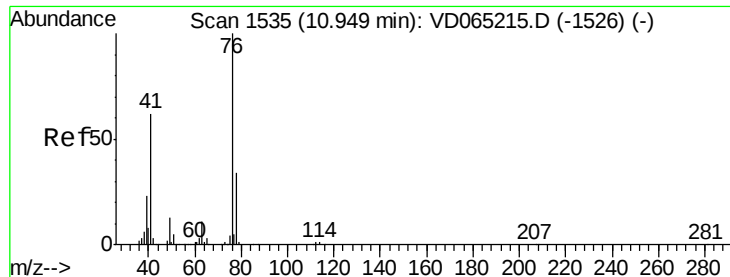
#56
 Ethyl methacrylate
 Concen: 50.450 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion:	69	Resp:	221670
Ion	Ratio	Lower	Upper
69	100		
41	67.1	54.6	81.8
39	31.7	26.5	39.7



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

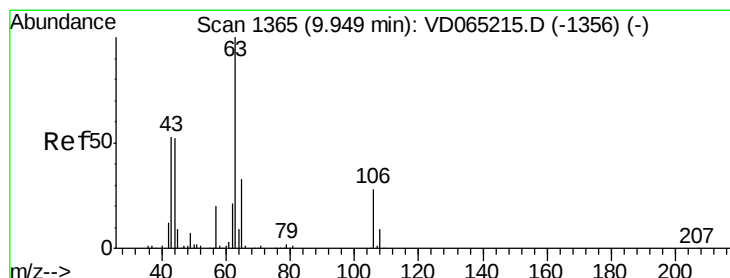
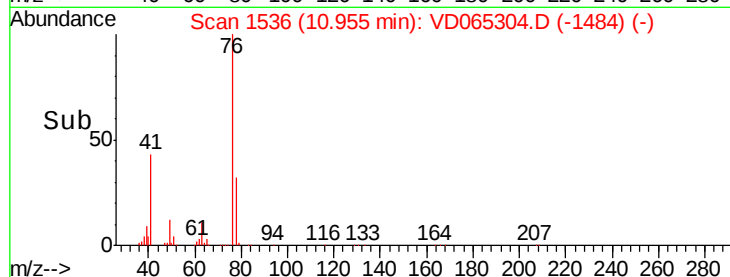
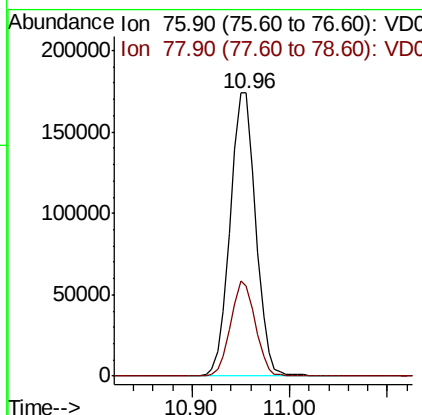
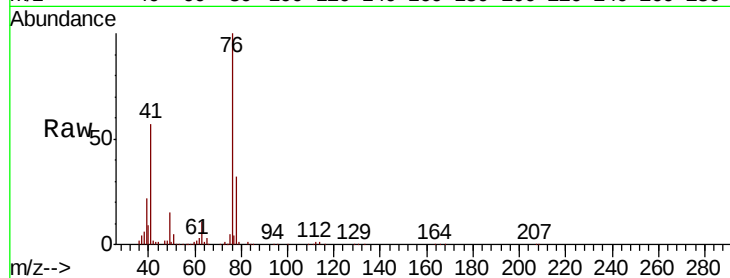




#57
 1,3-Dichloropropane
 Concen: 49.112 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

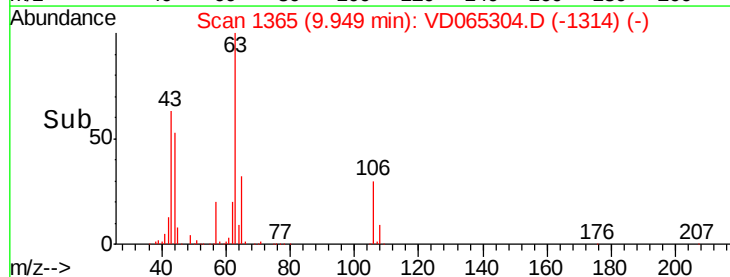
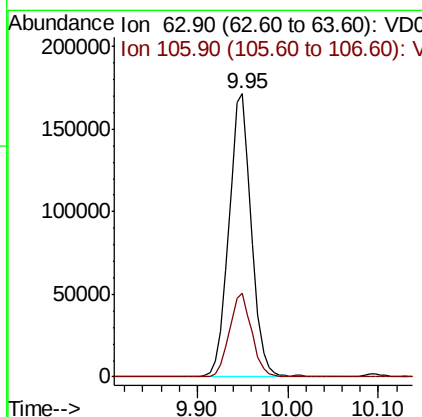
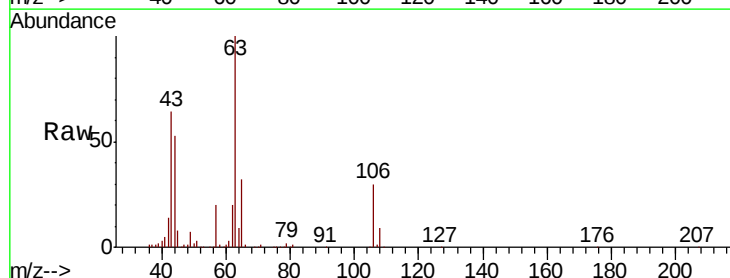
Instrument :
 MSVOA_D
 ClientSampleId :

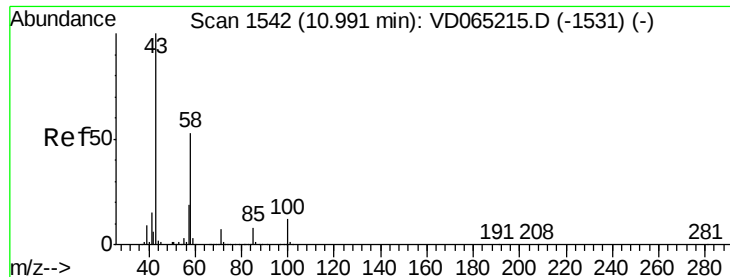
Tot Ion: 76 Resp: 318203
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 213.436 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion: 63 Resp: 295665
 Ion Ratio Lower Upper
 63 100
 106 29.5 22.8 34.2

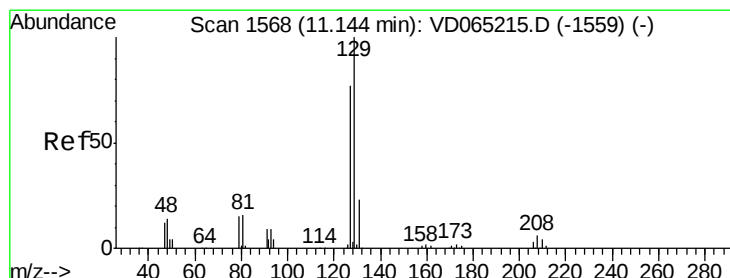
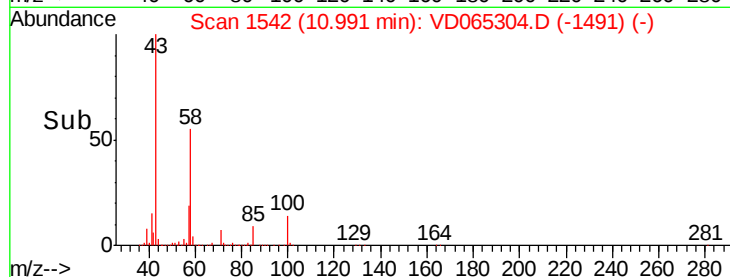
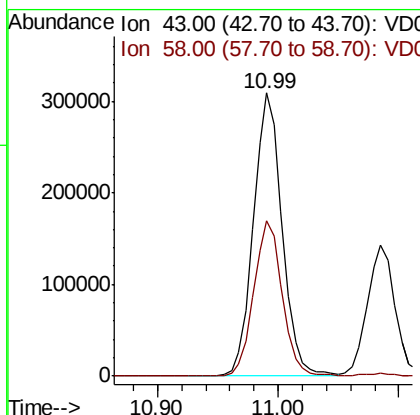
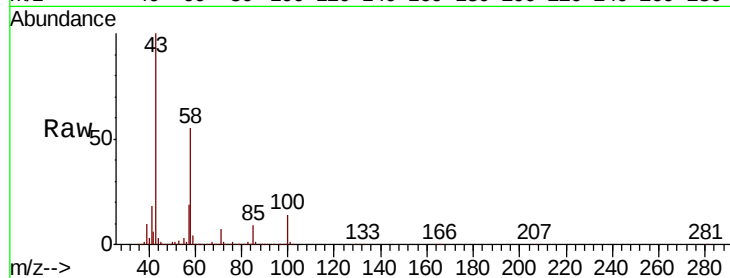




#59
2-Hexanone
Concen: 245.979 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

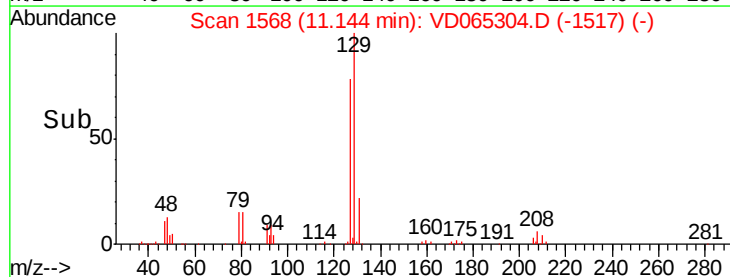
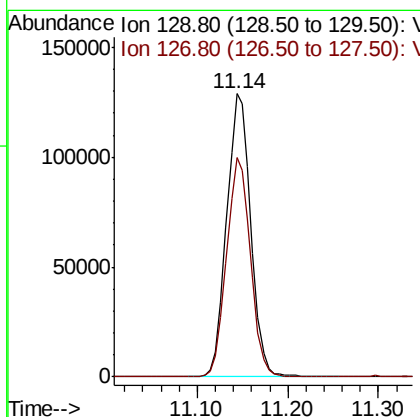
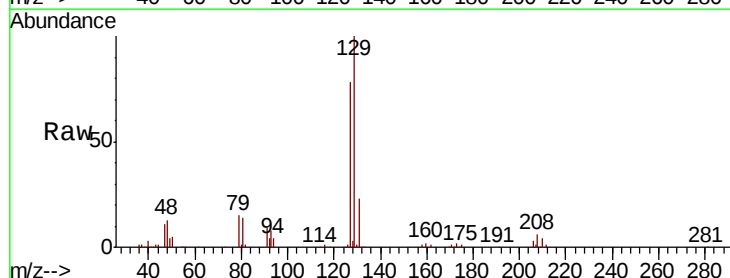
Instrument :
MSVOA_D
ClientSampleId :

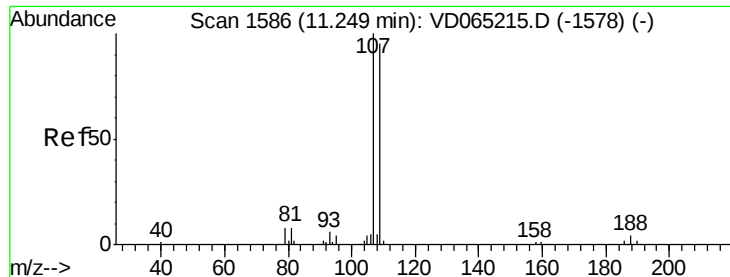
Tot Ion: 43 Resp: 509201
Ion Ratio Lower Upper
43 100
58 54.6 26.3 78.8



#60
Dibromochloromethane
Concen: 48.738 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion: 129 Resp: 237471
Ion Ratio Lower Upper
129 100
127 77.3 38.7 116.1

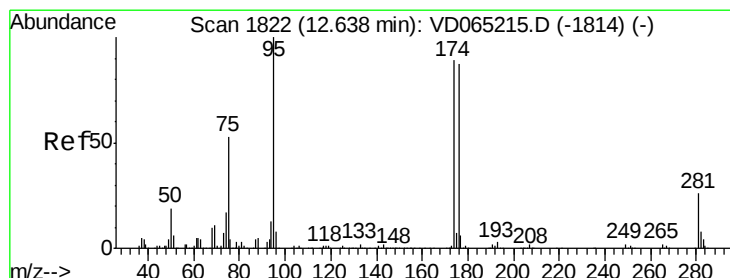
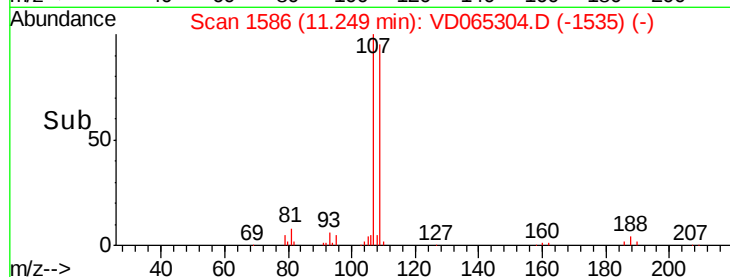
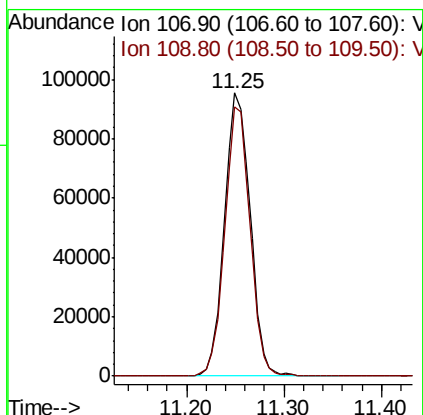
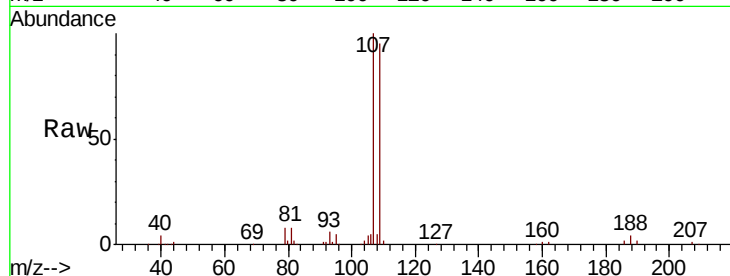




#61
 1,2-Dibromoethane
 Concen: 48.457 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

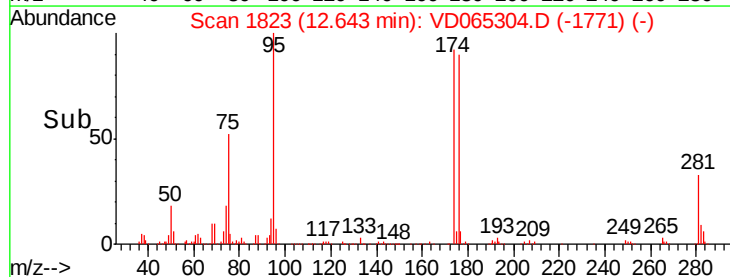
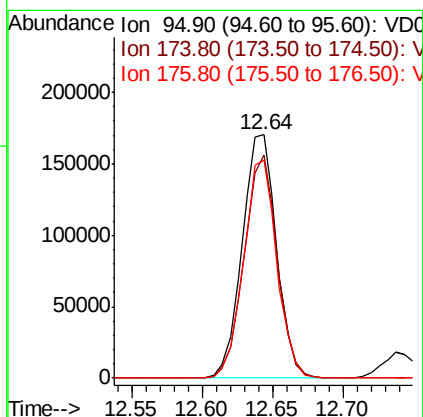
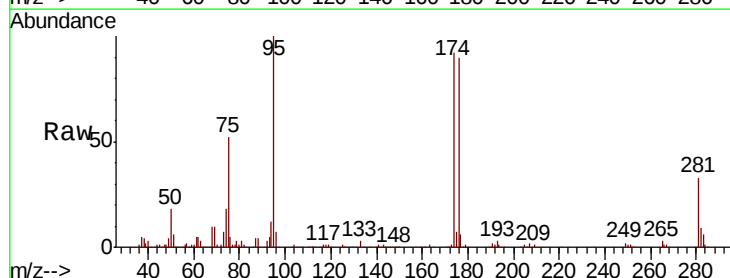
Instrument :
 MSVOA_D
 ClientSampled :

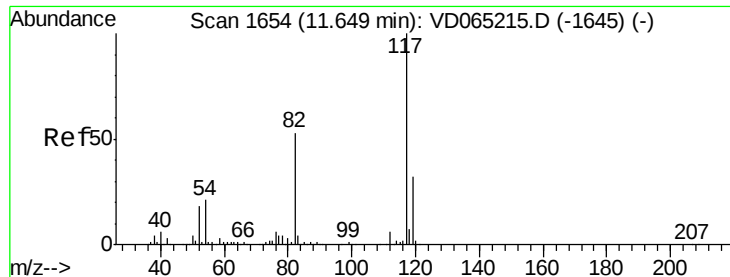
Tot Ion: 107 Resp: 174654
 Ion Ratio Lower Upper
 107 100
 109 93.4 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 50.977 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion: 95 Resp: 289755
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 178.0
 176 86.7 0.0 174.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

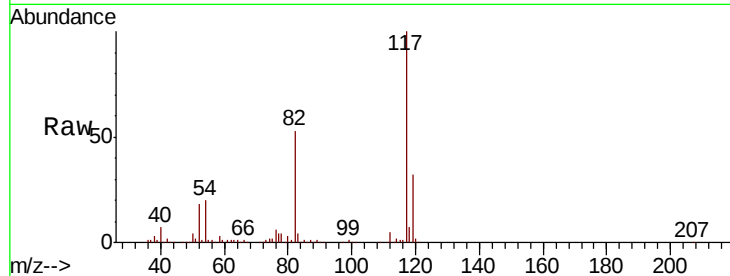
Tot Ion:117 Resp: 690737

Ion Ratio Lower Upper

117 100

82 52.8 42.7 64.1

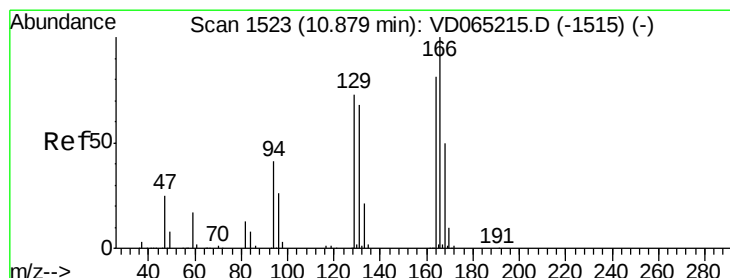
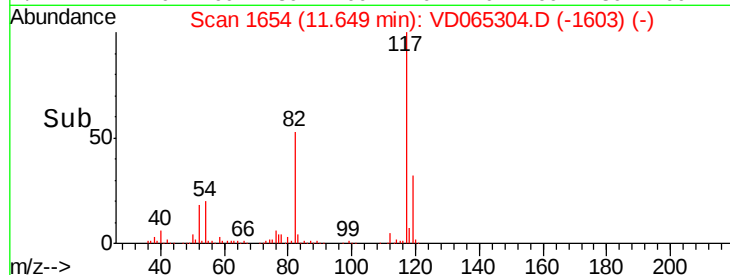
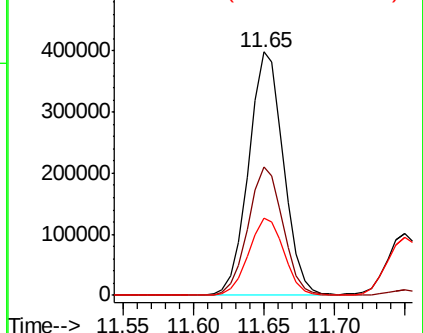
119 31.5 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VD

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.029 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Tgt Ion:164 Resp: 249987

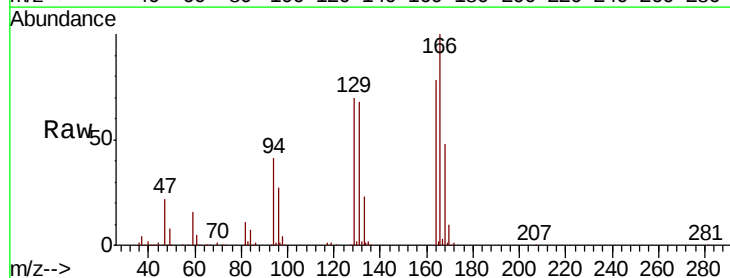
Ion Ratio Lower Upper

164 100

166 127.6 98.4 147.6

129 88.9 71.6 107.4

131 86.3 67.3 100.9

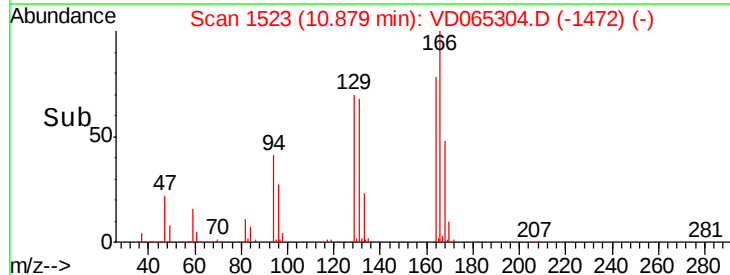
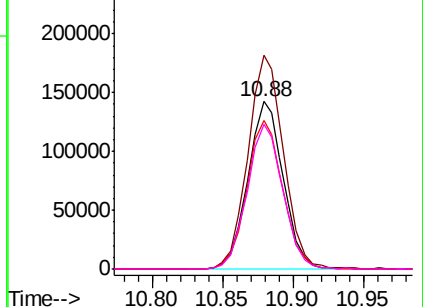


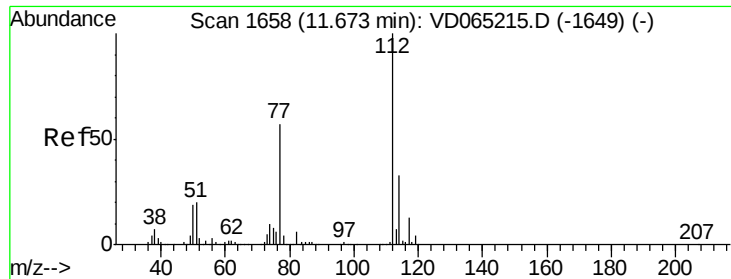
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

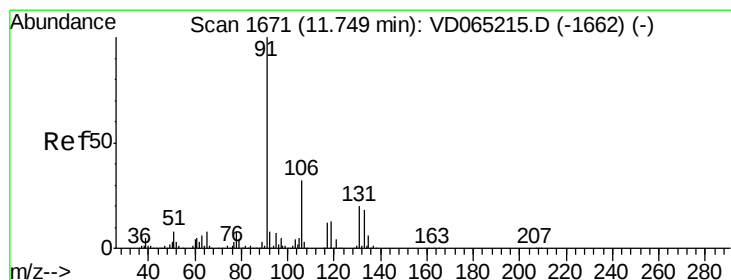
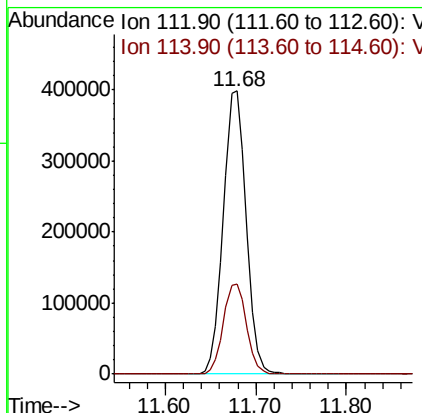
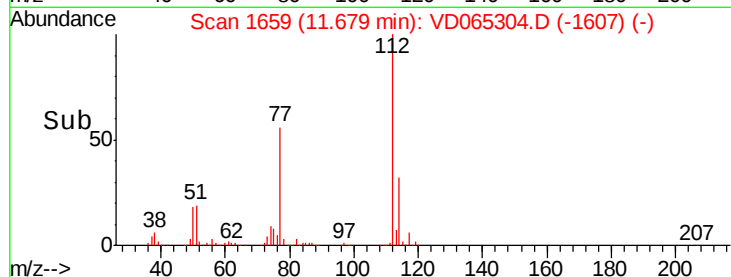
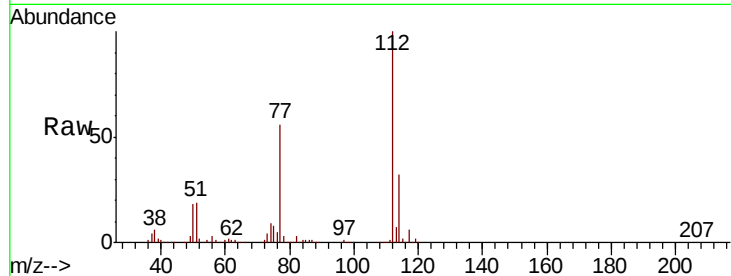




#65
Chlorobenzene
Concen: 50.427 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

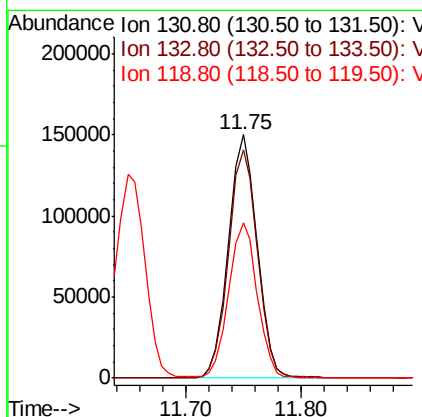
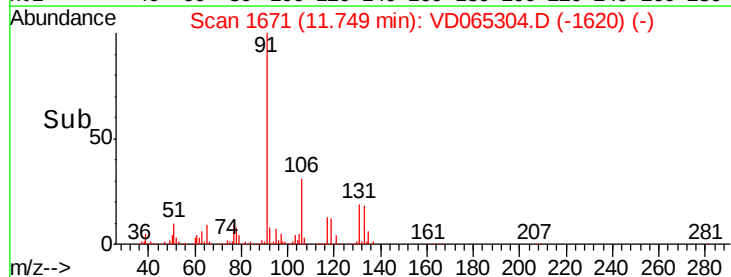
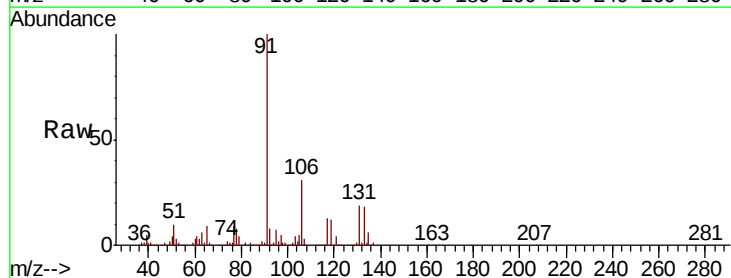
Instrument :
MSVOA_D
ClientSampled :

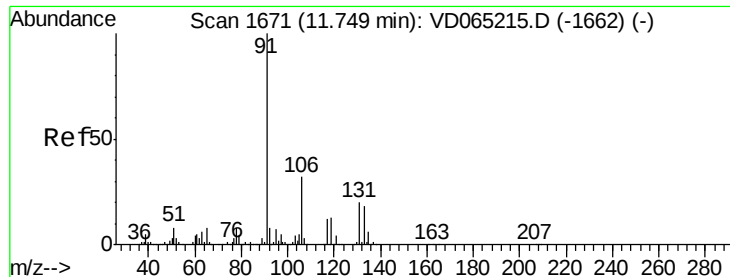
Tot Ion:112 Resp: 698990
Ion Ratio Lower Upper
112 100
114 31.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.926 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion:131 Resp: 258250
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 63.7 32.7 98.1





#67

Ethyl Benzene

Concen: 52.543 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

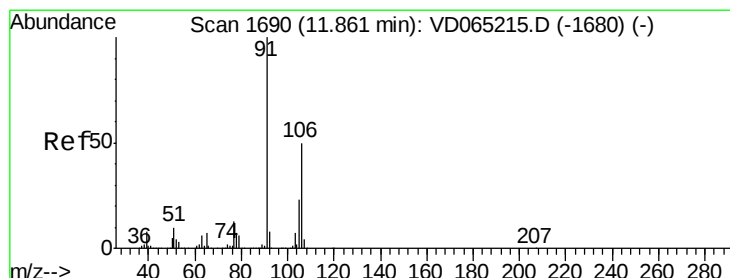
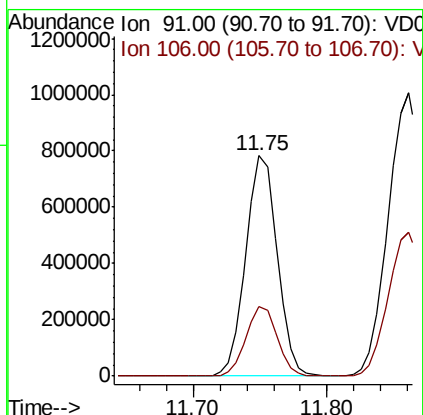
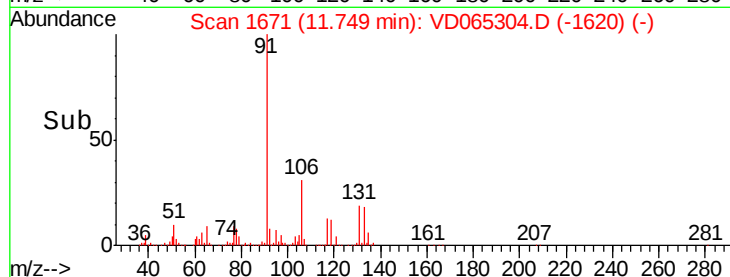
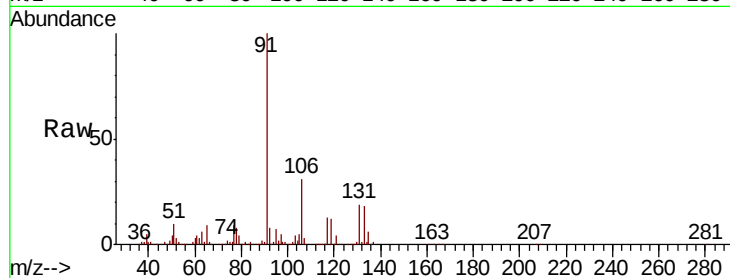
ClientSampleId :

Tot Ion: 91 Resp: 1275562

Ion Ratio Lower Upper

91 100

106 31.4 25.2 37.8



#68

m/p-Xylenes

Concen: 105.639 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065304.D

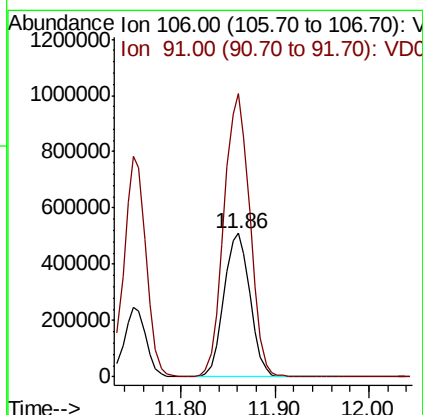
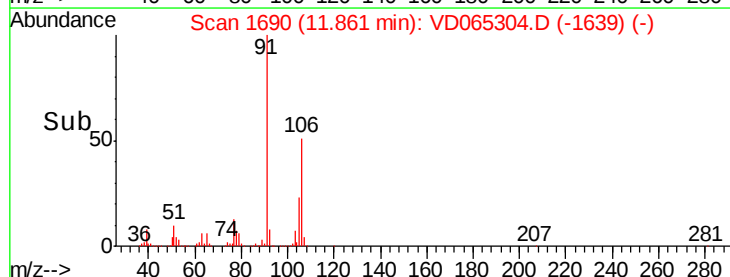
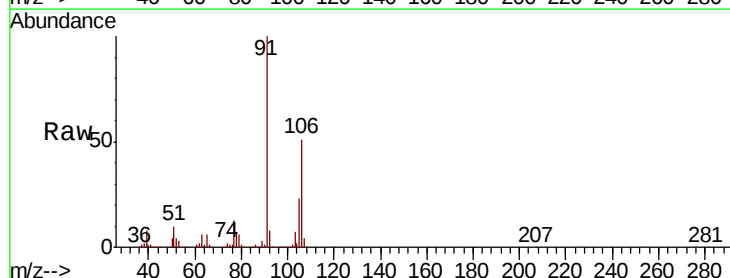
Acq: 25 Feb 2020 11:31

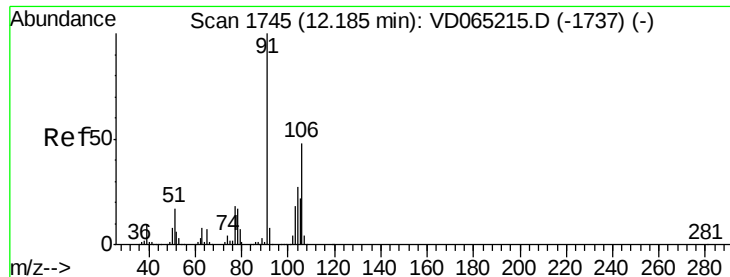
Tgt Ion: 106 Resp: 981179

Ion Ratio Lower Upper

106 100

91 196.8 158.2 237.4

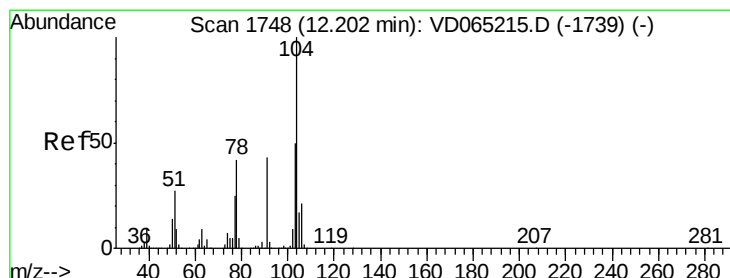
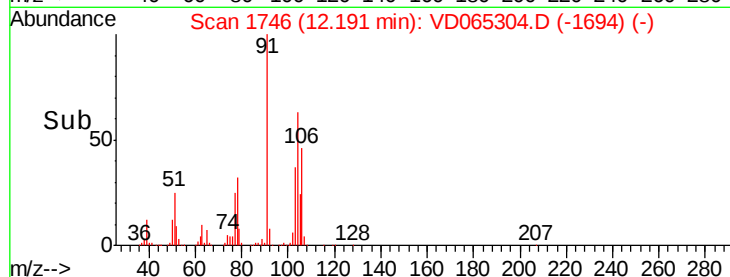
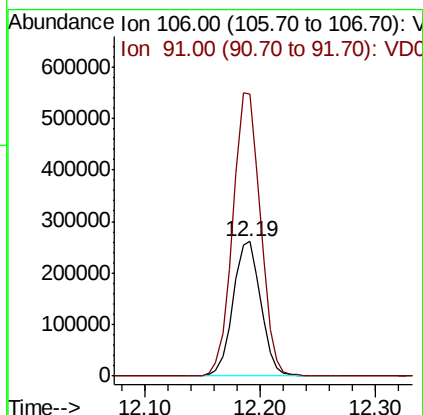
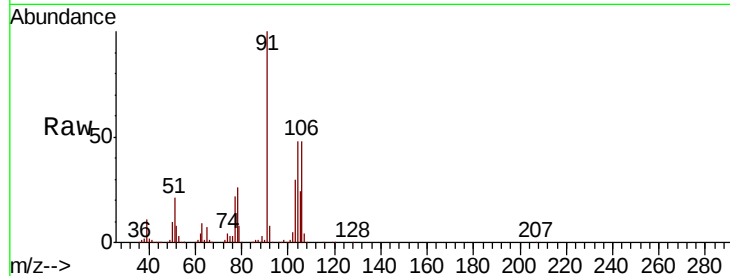




#69
o-Xylene
Concen: 52.842 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

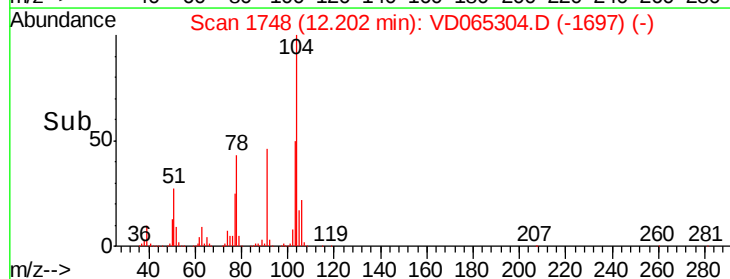
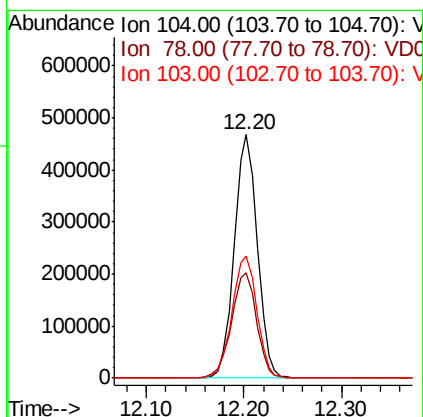
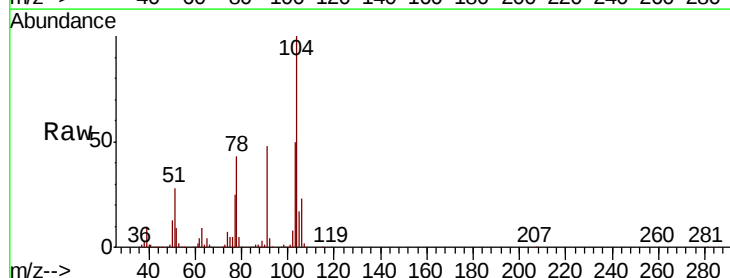
Instrument :
MSVOA_D
ClientSampled :

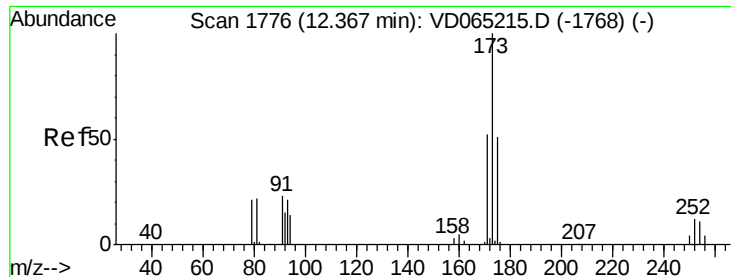
Tot Ion:106 Resp: 434822
Ion Ratio Lower Upper
106 100
91 210.1 104.7 313.9



#70
Styrene
Concen: 52.423 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion:104 Resp: 765889
Ion Ratio Lower Upper
104 100
78 47.1 37.8 56.6
103 54.6 43.4 65.2





#71

Bromoform

Concen: 47.439 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampled :

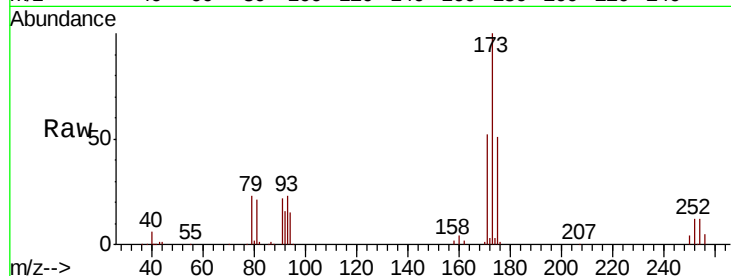
Tot Ion:173 Resp: 136166

Ion Ratio Lower Upper

173 100

175 49.8 24.4 73.4

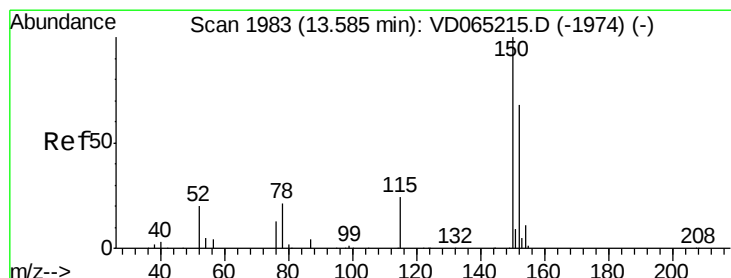
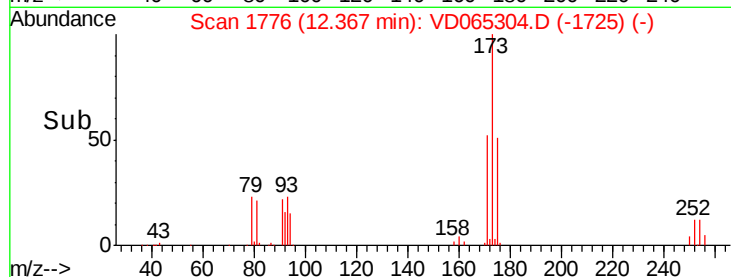
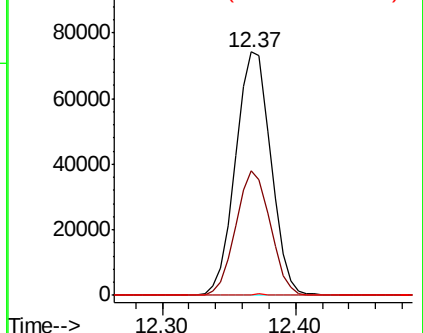
254 0.1 0.0 0.0#



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: VD065304.D

Acq: 25 Feb 2020 11:31

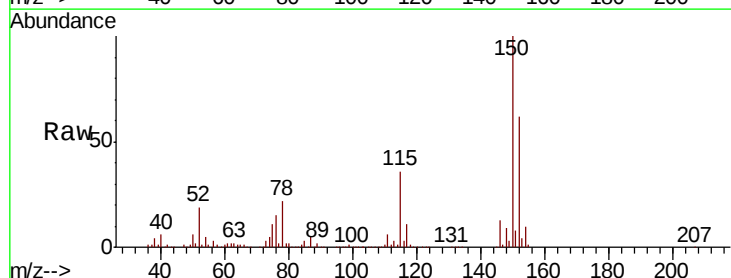
Tgt Ion:152 Resp: 334978

Ion Ratio Lower Upper

152 100

115 55.3 27.6 82.8

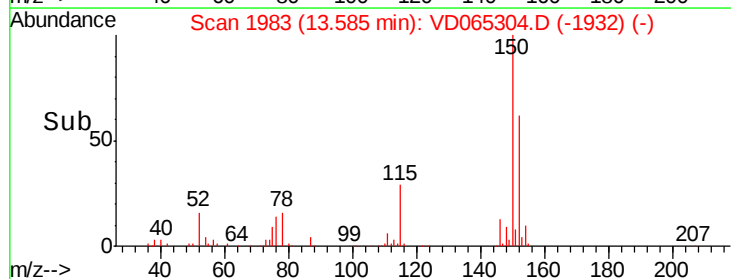
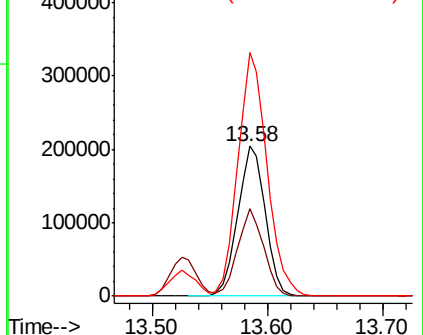
150 173.0 0.0 347.4

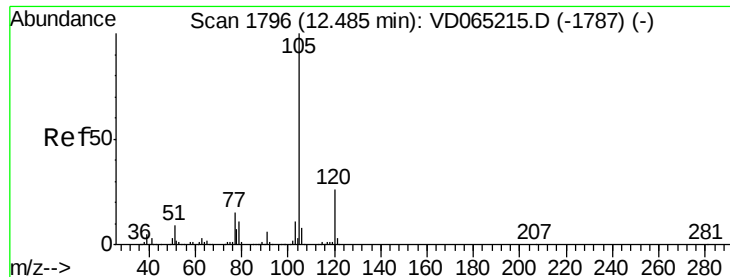


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.559 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

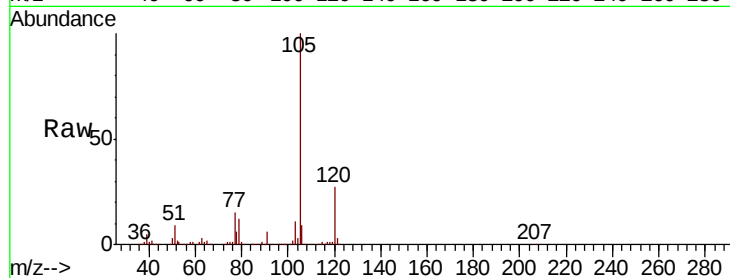
ClientSampleId :

Tot Ion: 105 Resp: 1209961

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

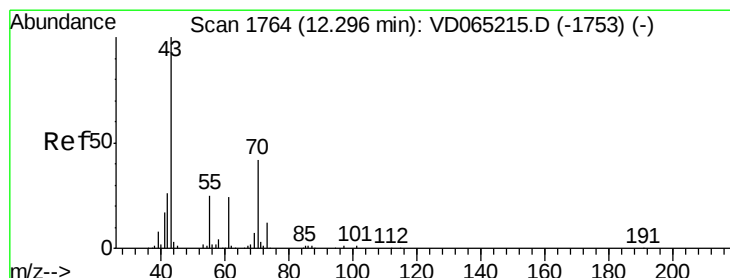
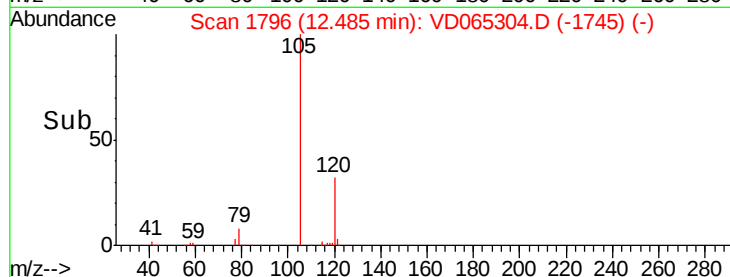
0

12.40

12.50

12.60

Time-->



#74

N-ethyl acetate

Concen: 48.395 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Tgt Ion: 43 Resp: 238486

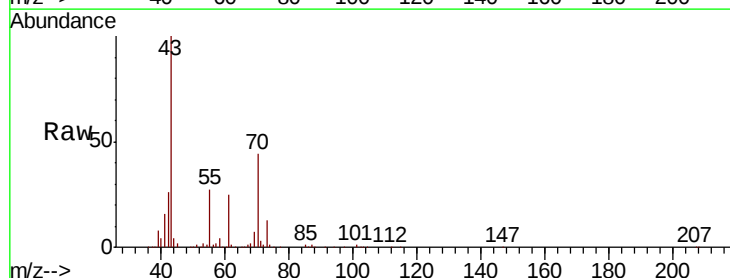
Ion Ratio Lower Upper

43 100

70 44.2 33.7 50.5

55 27.4 20.7 31.1

61 24.8 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

150000

100000

50000

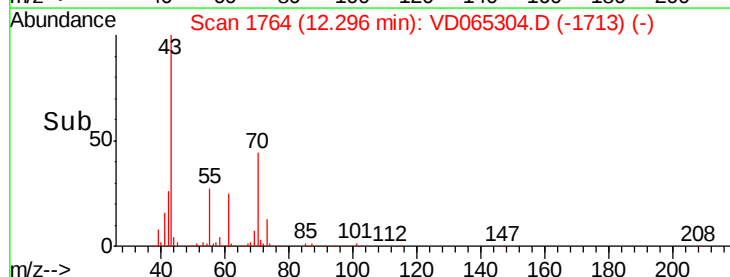
0

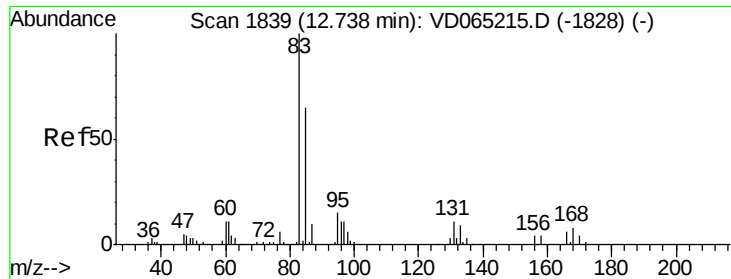
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.030 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

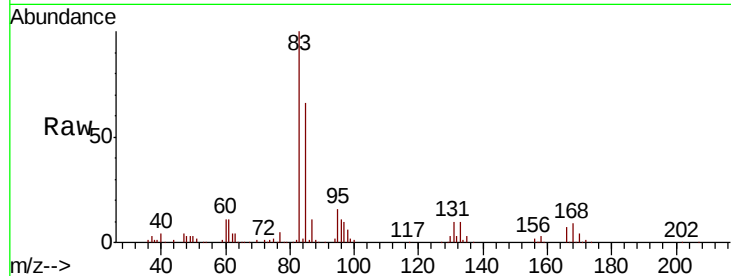
Tot Ion: 83 Resp: 188238

Ion Ratio Lower Upper

83 100

131 11.1 5.4 16.2

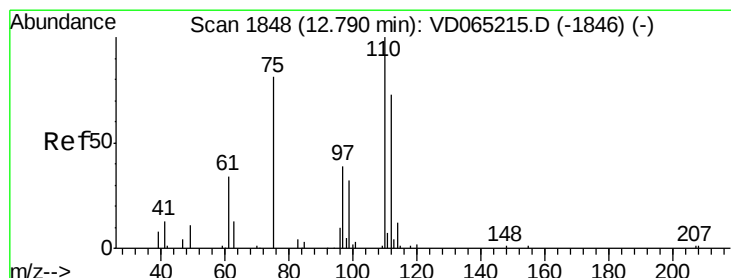
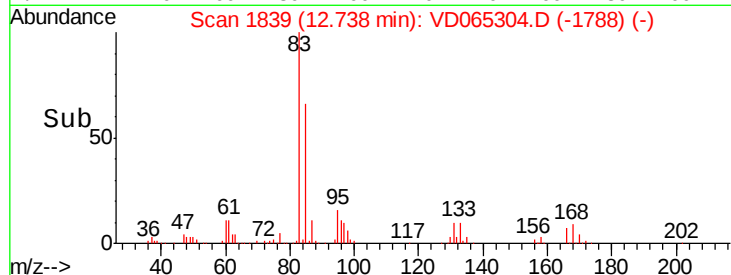
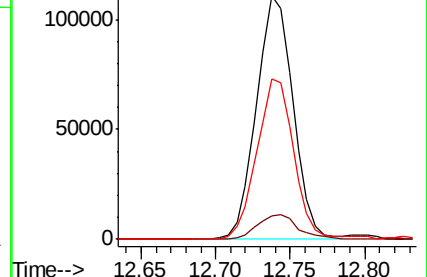
85 65.8 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 88.289 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065304.D

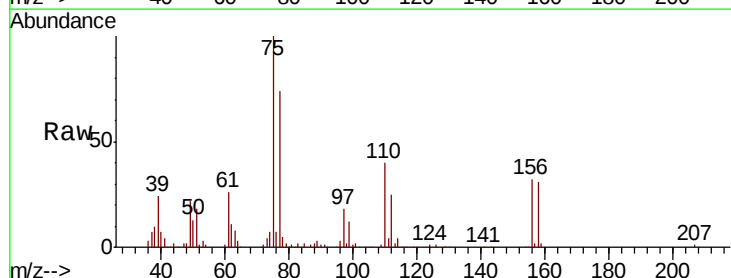
Acq: 25 Feb 2020 11:31

Tgt Ion: 75 Resp: 251633

Ion Ratio Lower Upper

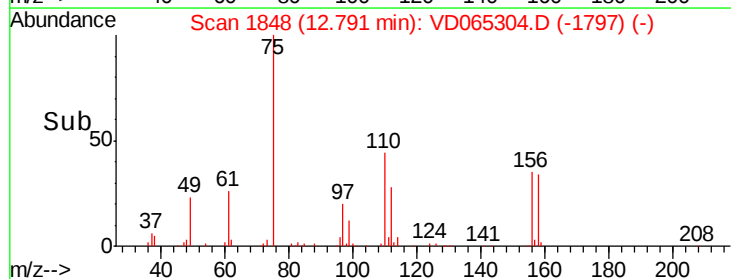
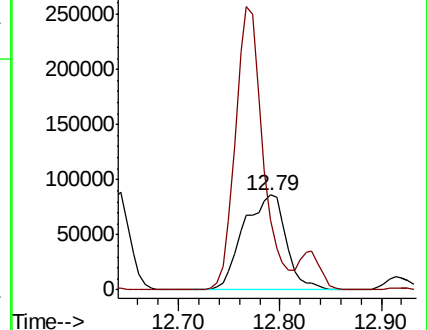
75 100

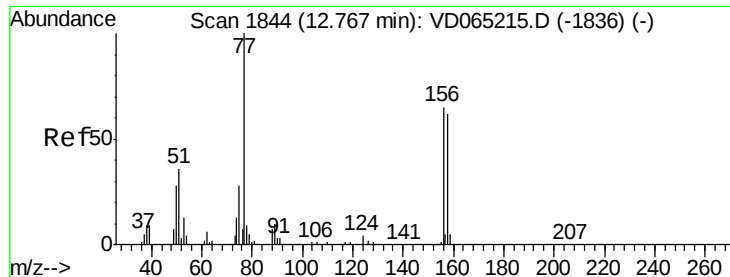
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.527 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

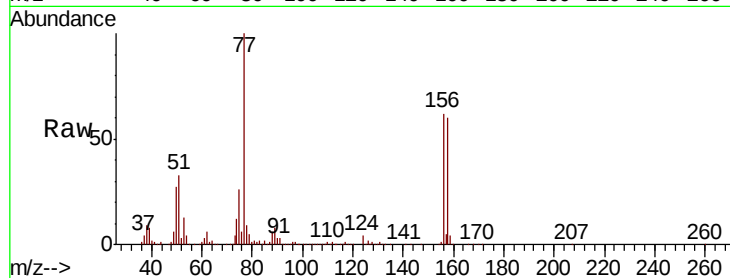
Tot Ion:156 Resp: 278250

Ion Ratio Lower Upper

156 100

77 173.8 86.6 259.7

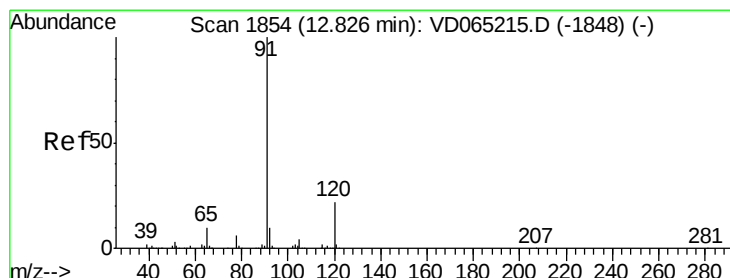
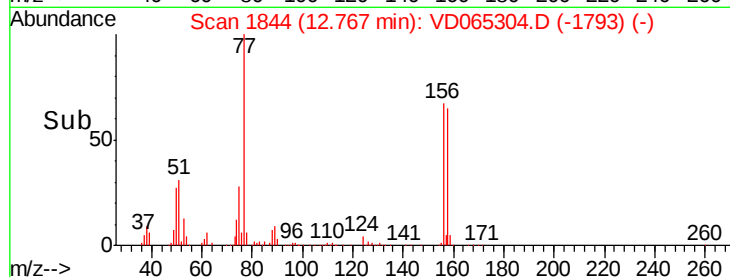
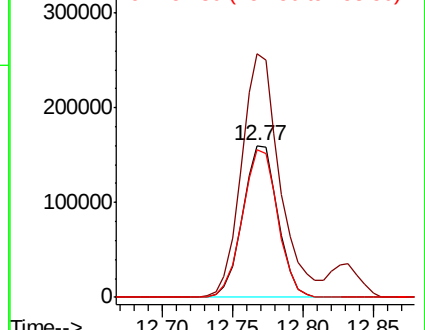
158 97.8 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.363 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065304.D

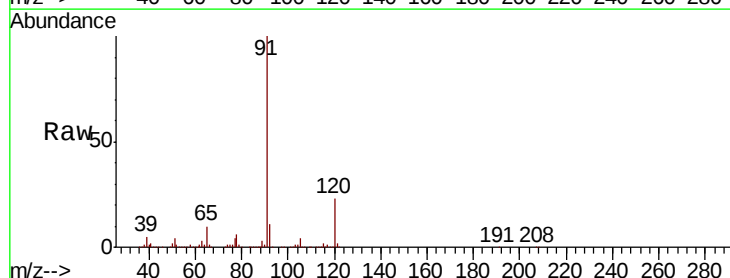
Acq: 25 Feb 2020 11:31

Tgt Ion: 91 Resp: 1448808

Ion Ratio Lower Upper

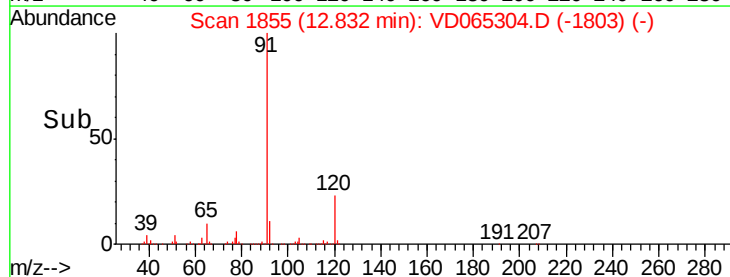
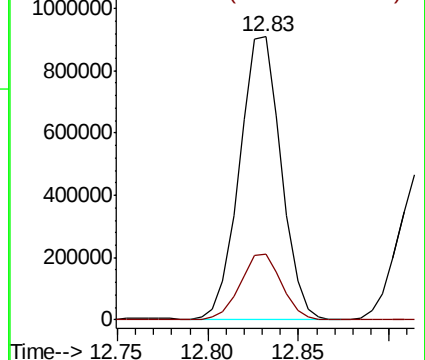
91 100

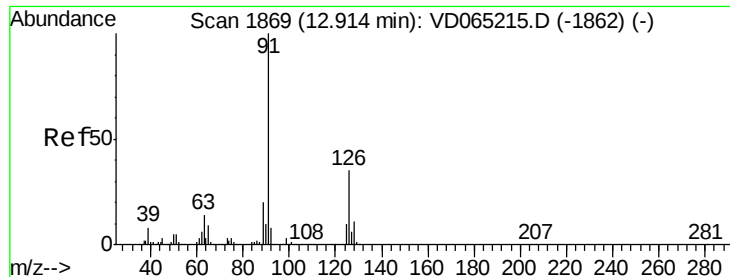
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

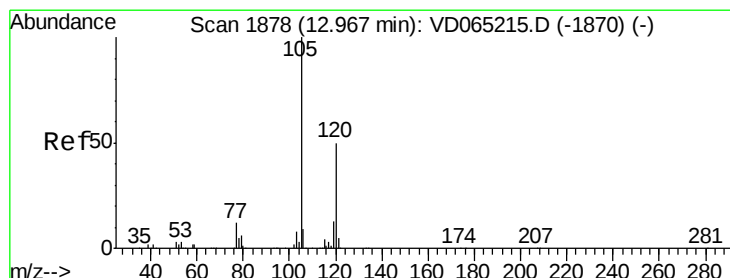
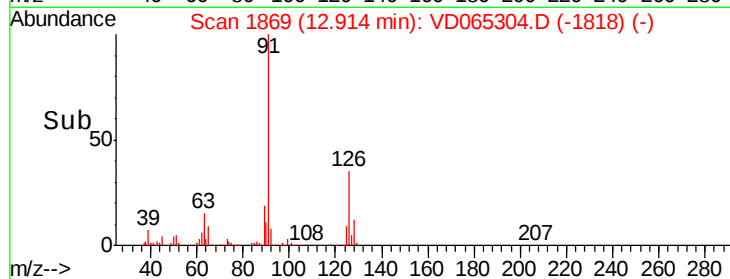
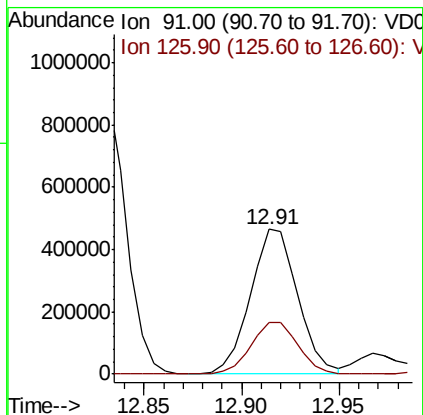
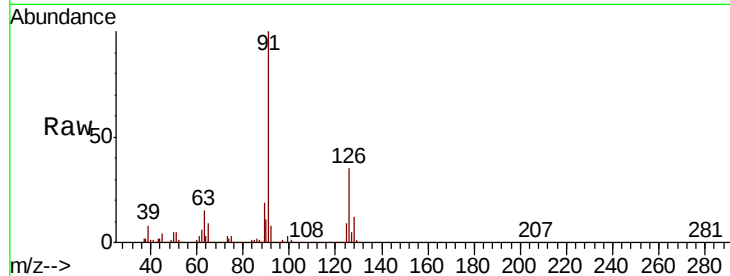




#79
 2-Chlorotoluene
 Concen: 52.285 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

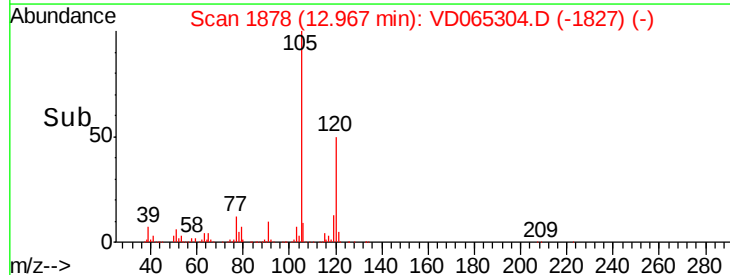
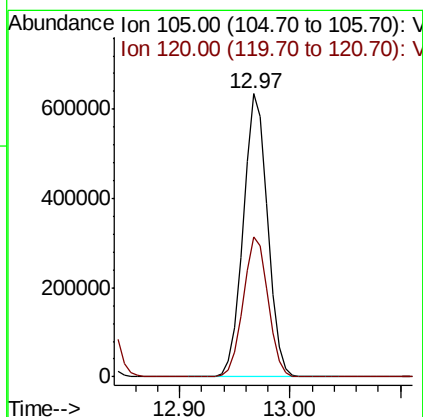
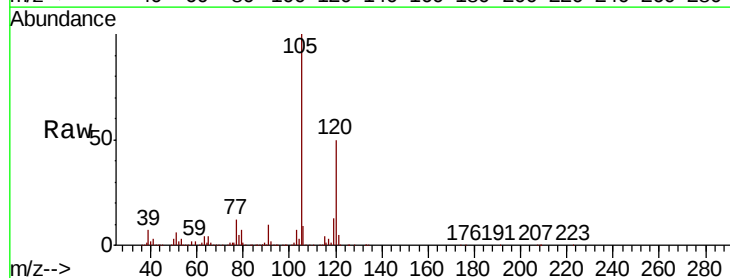
Instrument :
 MSVOA_D
 ClientSampleId :

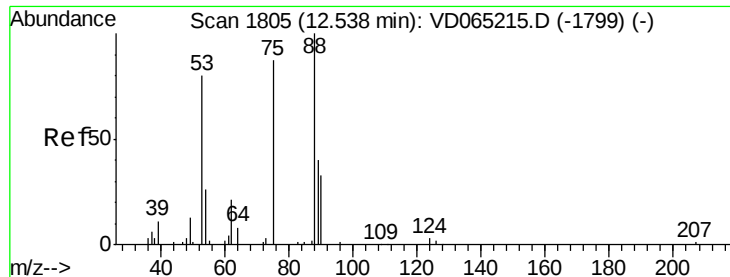
Tot Ion: 91 Resp: 780615
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 53.993 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion: 105 Resp: 986228
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 48.433 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

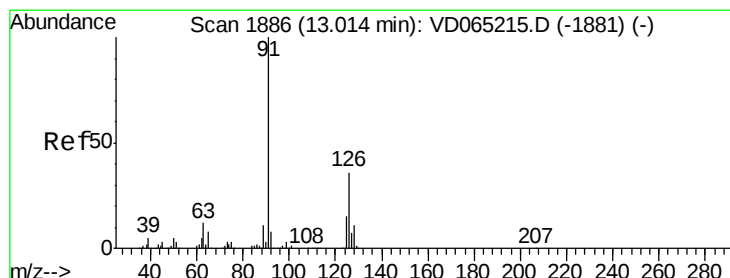
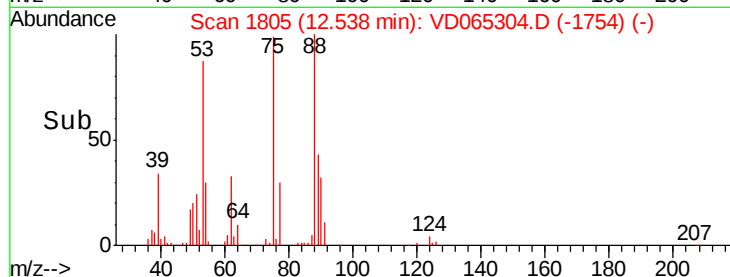
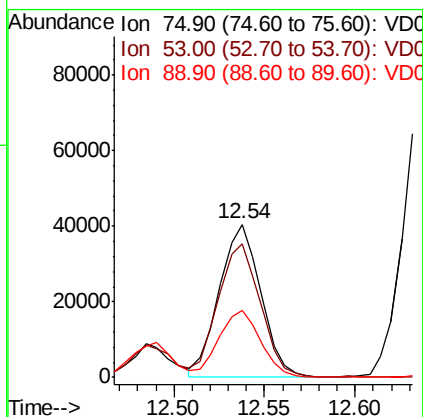
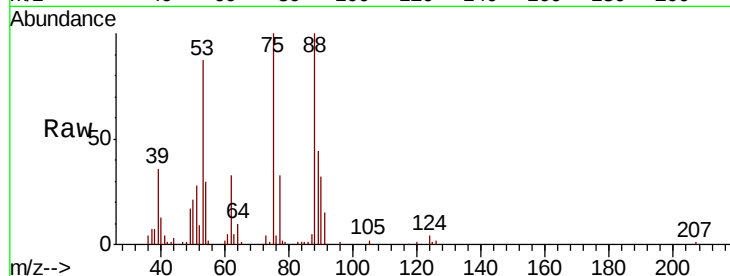
Tot Ion: 75 Resp: 63931

Ion Ratio Lower Upper

75 100

53 89.9 77.6 116.4

89 44.7 37.2 55.8



#82

4-Chlorotoluene

Concen: 51.957 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065304.D

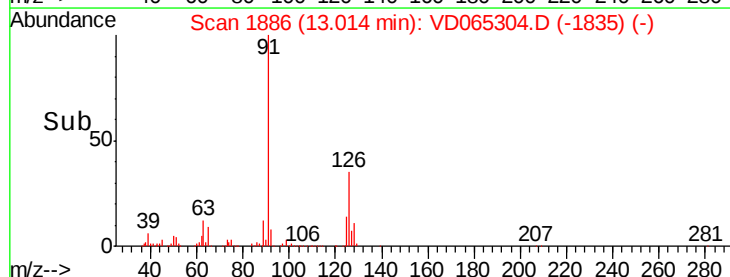
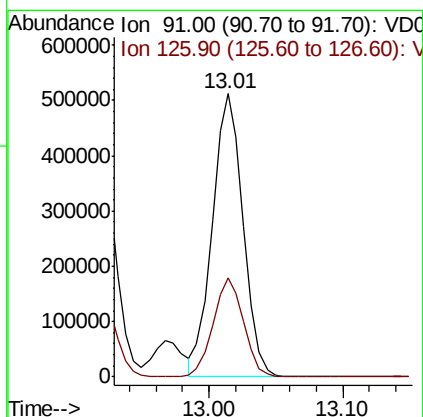
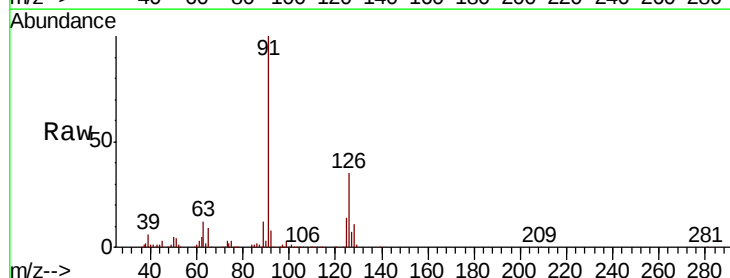
Acq: 25 Feb 2020 11:31

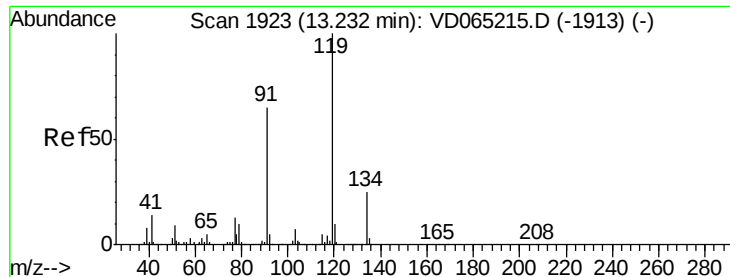
Tgt Ion: 91 Resp: 823525

Ion Ratio Lower Upper

91 100

126 34.6 17.4 52.3

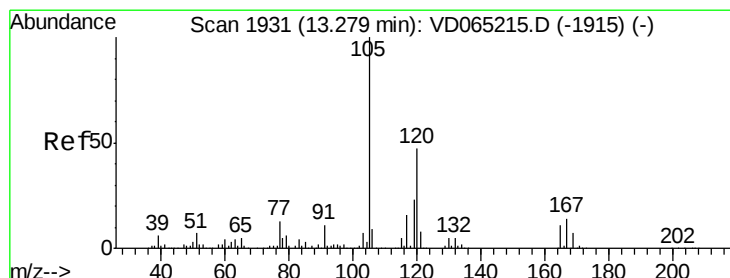
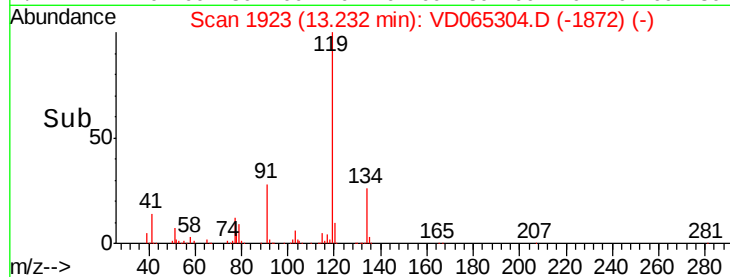
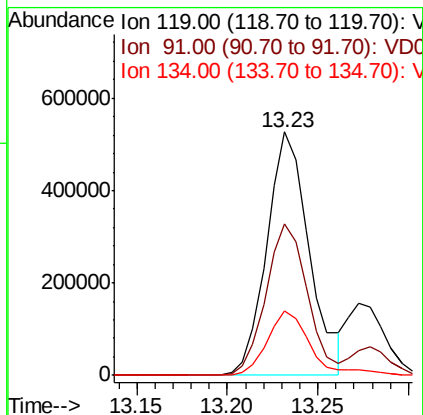
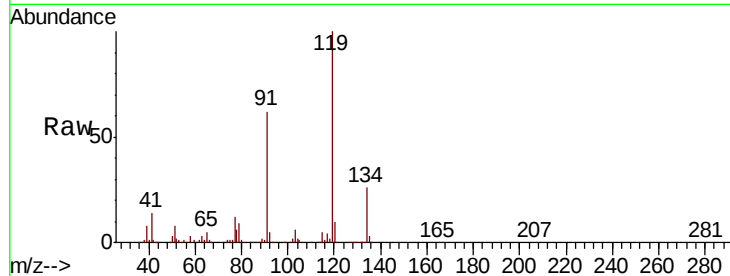




#83
 tert-Butylbenzene
 Concen: 56.094 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

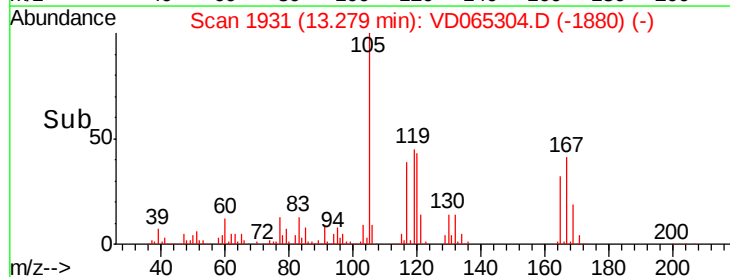
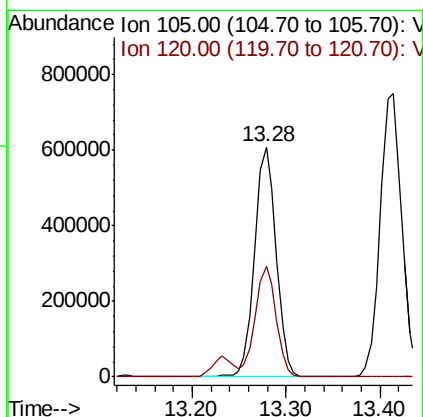
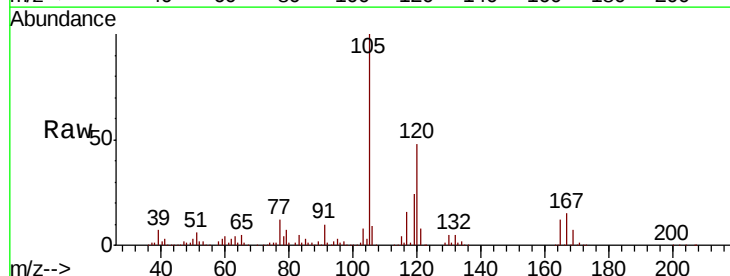
Instrument :
 MSVOA_D
 ClientSampleId :

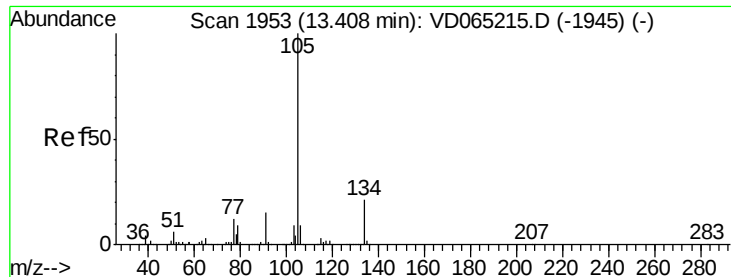
Tot Ion:119 Resp: 858741
 Ion Ratio Lower Upper
 119 100
 91 61.0 31.9 95.5
 134 27.0 13.8 41.3



#84
 1,2,4-Trimethylbenzene
 Concen: 52.897 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion:105 Resp: 967088
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.3 69.9

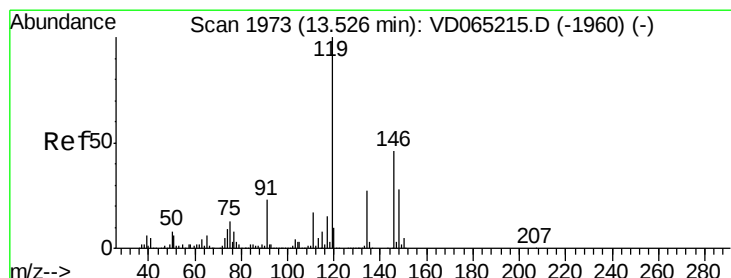
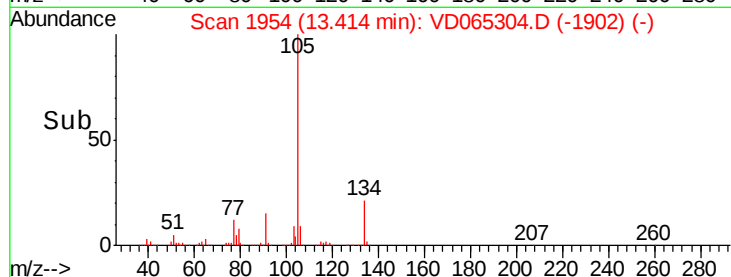
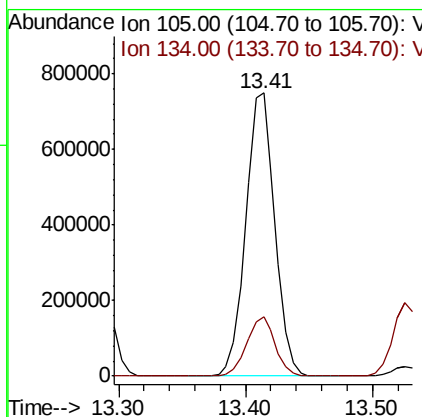
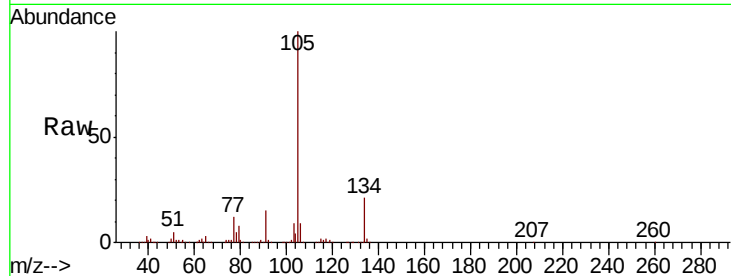




#85
 sec-Butylbenzene
 Concen: 53.852 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

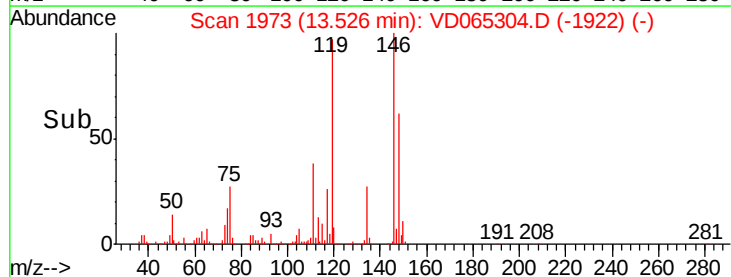
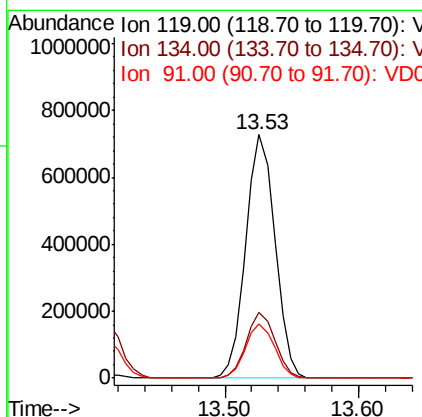
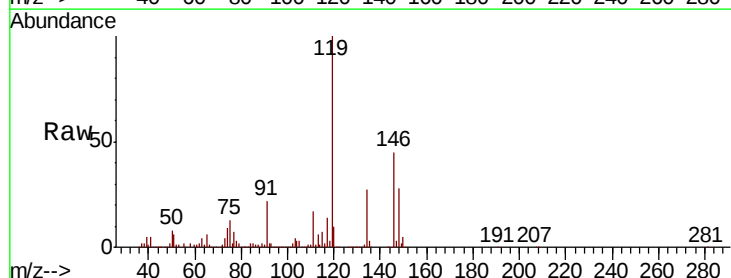
Instrument :
 MSVOA_D
 ClientSampleID :

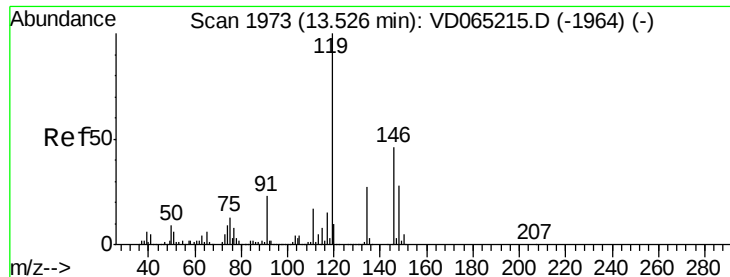
Tot Ion:105 Resp: 1187956
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 54.485 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion:119 Resp: 1099139
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.8
 91 21.9 11.1 33.1

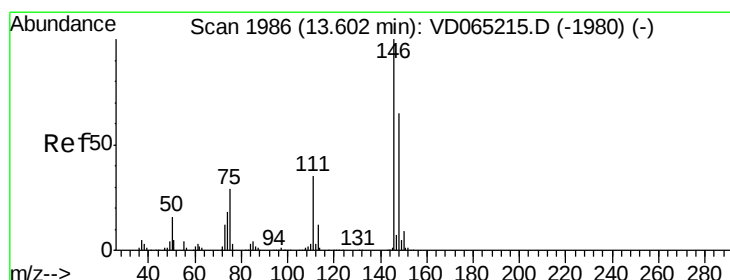
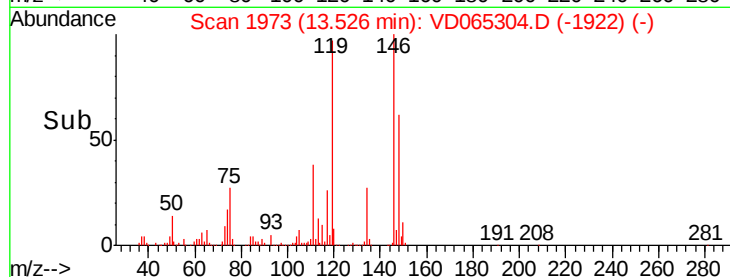
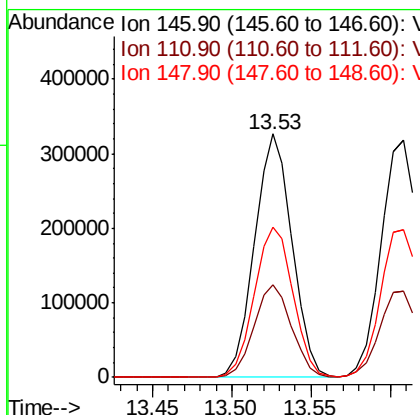
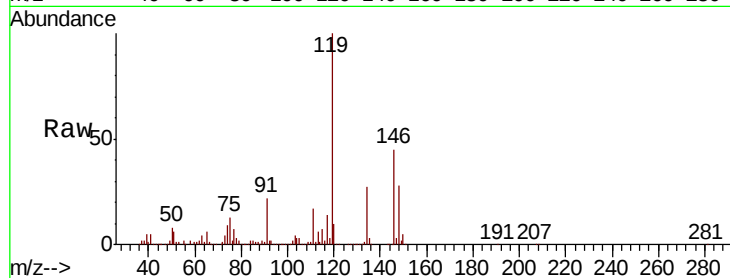




#87
 1,3-Dichlorobenzene
 Concen: 50.504 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

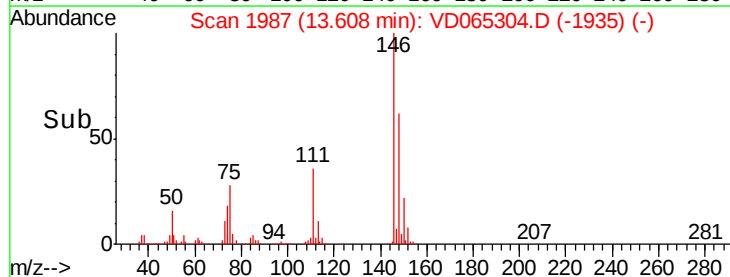
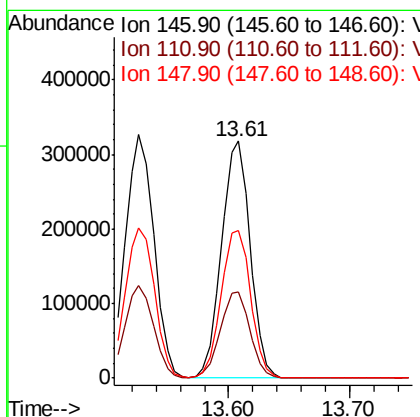
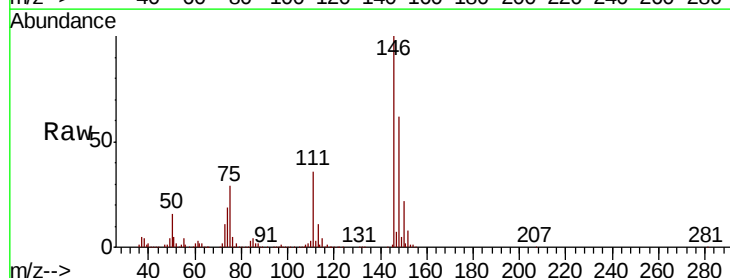
Instrument :
 MSVOA_D
 ClientSampleId :

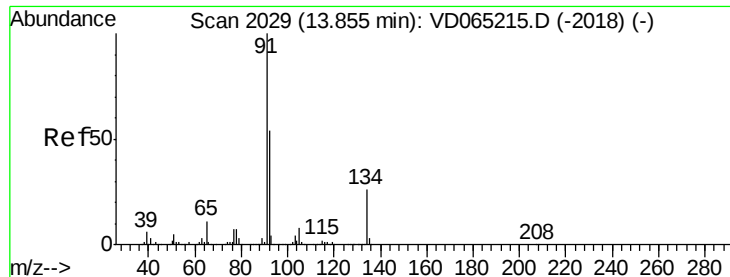
Tot Ion:146 Resp: 537673
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.8
 148 63.3 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 49.677 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion:146 Resp: 521966
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.4 55.2
 148 64.1 32.1 96.5

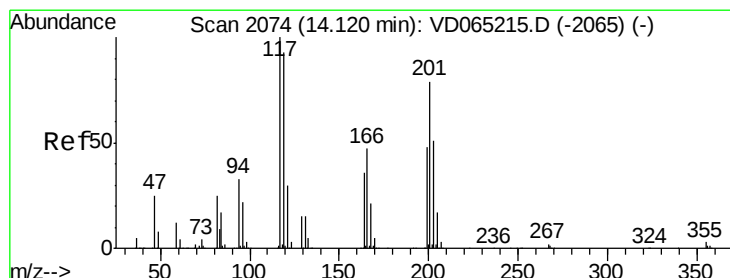
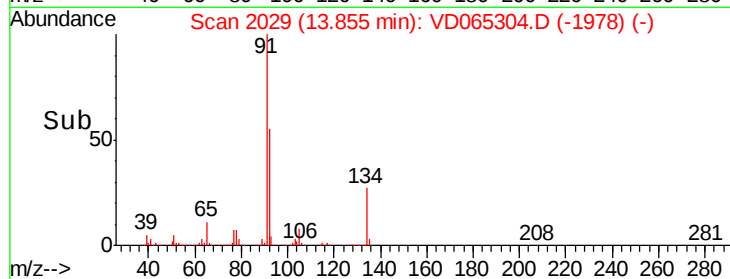
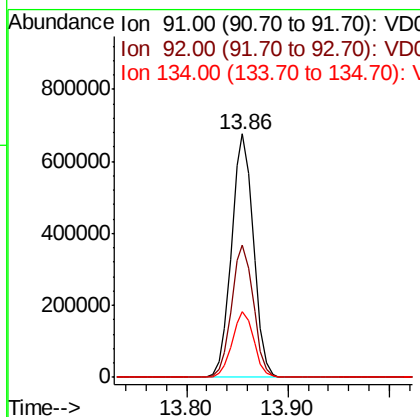
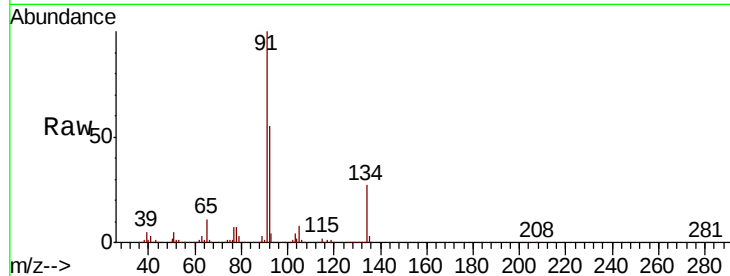




#89
n-Butylbenzene
Concen: 54.348 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

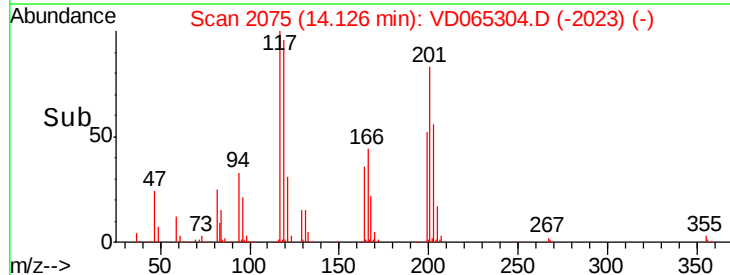
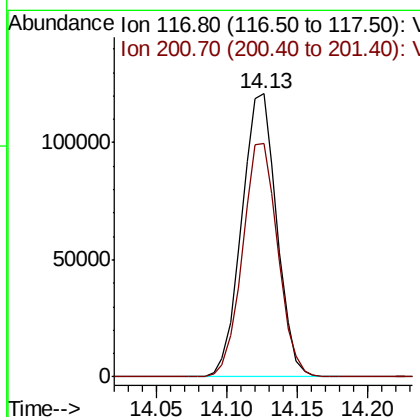
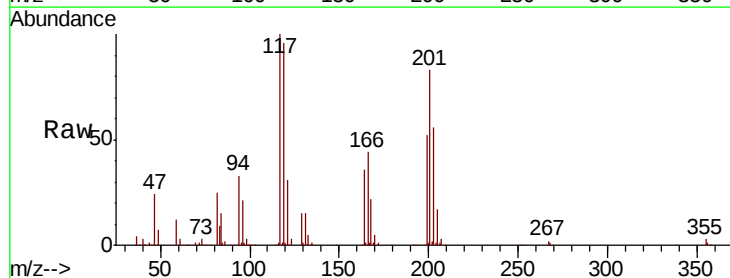
Instrument :
MSVOA_D
ClientSampled :

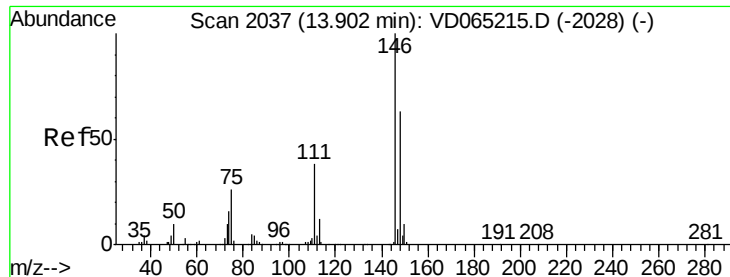
Tot Ion: 91 Resp: 1010298
Ion Ratio Lower Upper
91 100
92 54.5 27.0 80.8
134 26.7 13.5 40.4



#90
Hexachloroethane
Concen: 51.432 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion: 117 Resp: 210670
Ion Ratio Lower Upper
117 100
201 83.1 41.3 124.1

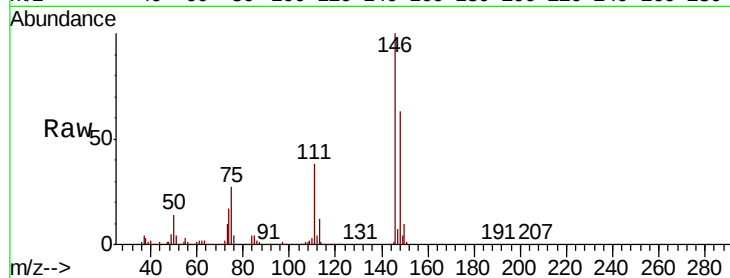




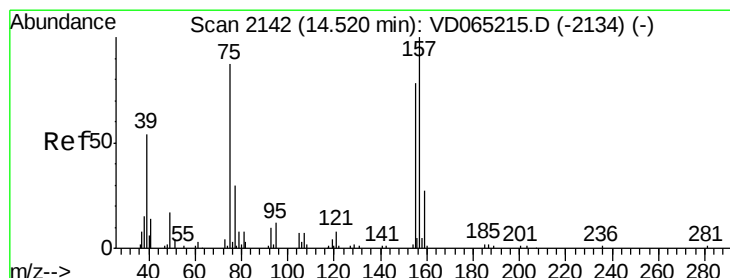
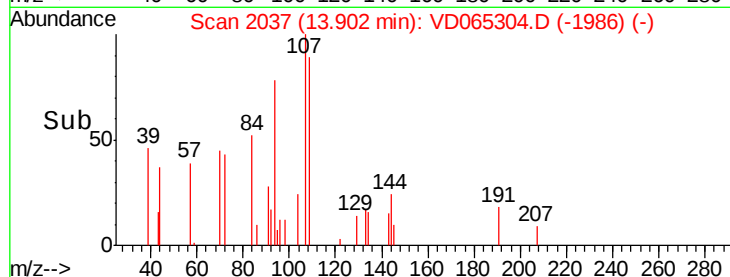
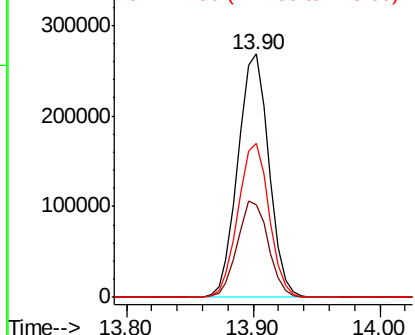
#91
 1,2-Dichlorobenzene
 Concen: 49.899 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	63.4	32.0	96.2

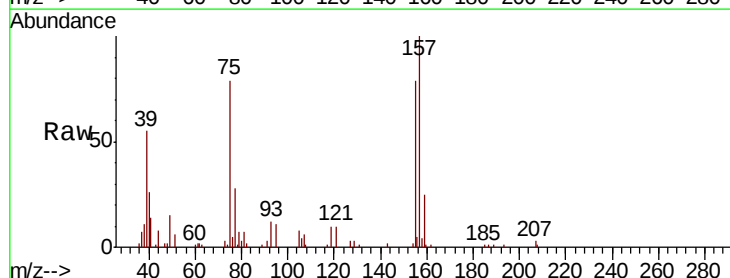


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

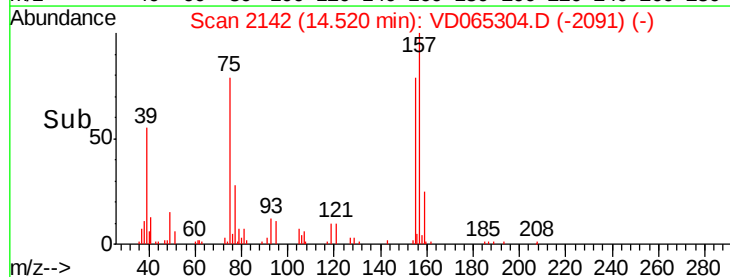
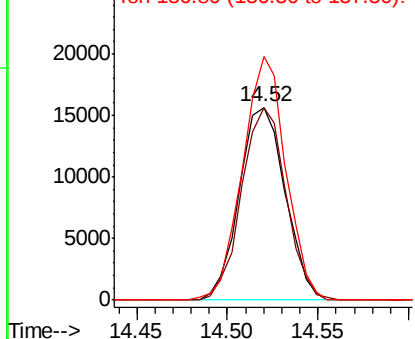


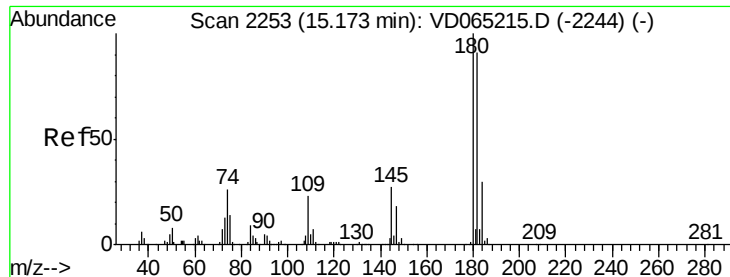
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.828 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.2	42.3	126.9
157	118.8	56.7	170.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

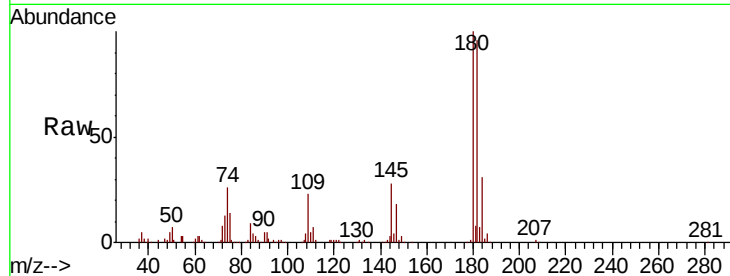




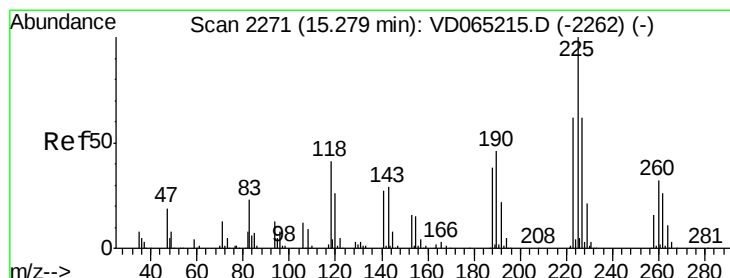
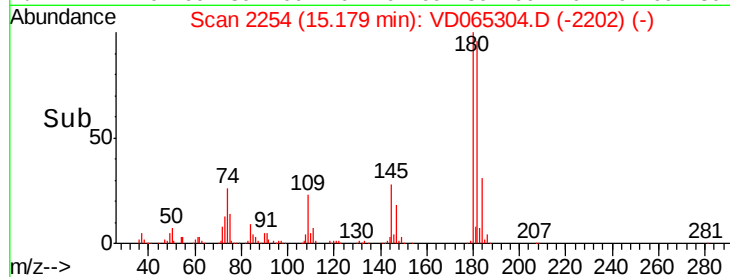
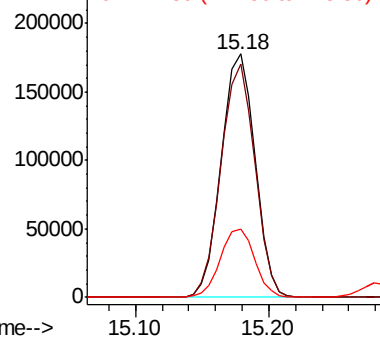
#93
 1,2,4-Trichlorobenzene
 Concen: 52.175 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.9	140.6
145	28.6	13.9	41.7

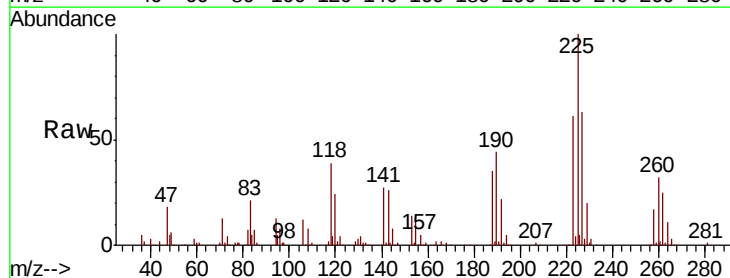


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

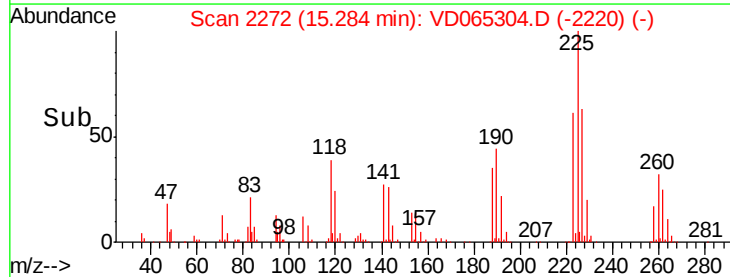
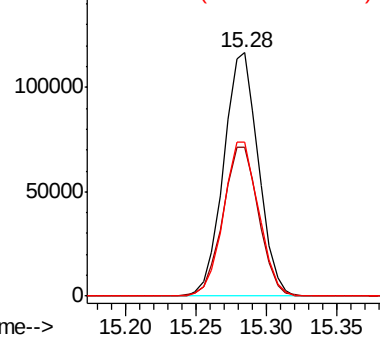


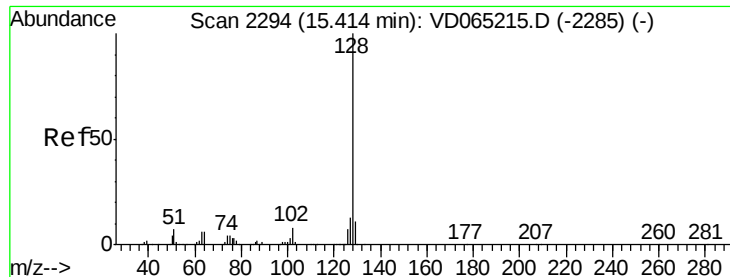
#94
 Hexachlorobutadiene
 Concen: 52.560 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.2
227	64.2	31.7	95.1



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

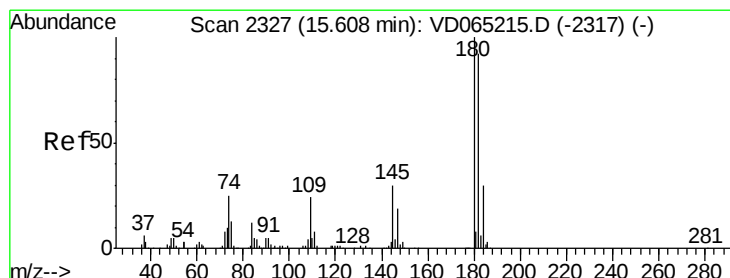
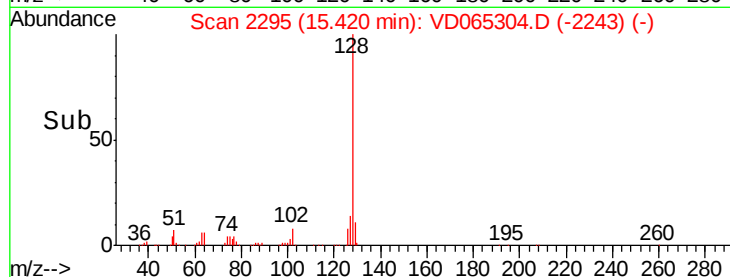
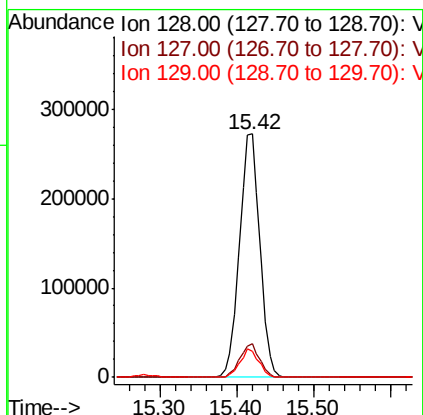
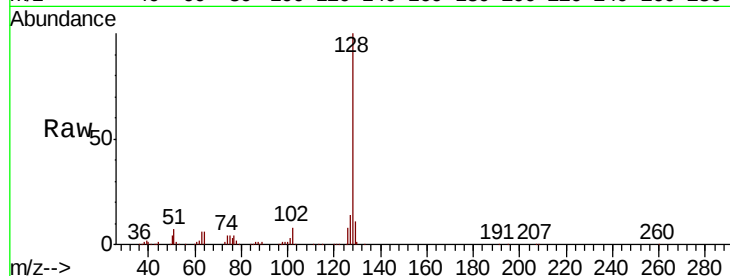




#95
Naphthalene
Concen: 52.009 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 505551
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.338 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion:180 Resp: 268097
Ion Ratio Lower Upper
180 100
182 95.5 46.9 140.6
145 29.9 15.4 46.1

