

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032420\
 Data File : VD065518.D
 Acq On : 24 Mar 2020 13:45
 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: Mar 25 02:11:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	486098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	671735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	601818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	187266	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	
35) Dibromofluoromethane	7.92	113	204418	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.34	98	796646	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.64	95	258684	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	177511	42.490	ug/l	99
3) Chloromethane	2.21	50	218140	43.249	ug/l	100
4) Vinyl Chloride	2.36	62	238561	47.953	ug/l	98
5) Bromomethane	2.77	94	149167	53.883	ug/l	96
6) Chloroethane	2.93	64	148097	48.606	ug/l	98
7) Trichlorofluoromethane	3.27	101	357800	48.810	ug/l	99
8) Diethyl Ether	3.71	74	103001	47.249	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	240515	50.944	ug/l	100
10) Methyl Iodide	4.30	142	276672	56.408	ug/l	96
11) Tert butyl alcohol	5.24	59	49842	208.391	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	223155	49.362	ug/l	97
13) Acrolein	3.93	56	96295	233.450	ug/l	97
14) Allyl chloride	4.71	41	338758	48.779	ug/l	99
15) Acrylonitrile	5.43	53	226774	239.120	ug/l	100
16) Acetone	4.17	43	246797	292.659	ug/l	98
17) Carbon Disulfide	4.40	76	669656	44.481	ug/l	100
18) Methyl Acetate	4.72	43	101509	47.453	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	444531	51.132	ug/l	99
20) Methylene Chloride	4.97	84	242166	53.094	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	252024	50.114	ug/l	97
22) Diisopropyl ether	6.37	45	666070	51.594	ug/l	98
23) Vinyl Acetate	6.31	43	1837513	256.344	ug/l	100
24) 1,1-Dichloroethane	6.27	63	416927	50.350	ug/l	100
25) 2-Butanone	7.22	43	289750	251.782	ug/l	99
26) 2,2-Dichloropropane	7.21	77	380819	52.627	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	268816	52.295	ug/l	97
28) Bromochloromethane	7.55	49	165817	50.051	ug/l	99
29) Tetrahydrofuran	7.57	42	175126	238.295	ug/l	98
30) Chloroform	7.71	83	423533	51.173	ug/l	96
31) Cyclohexane	7.98	56	392975	47.461	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	398406	52.089	ug/l	100
36) 1,1-Dichloropropene	8.11	75	347866	54.025	ug/l	99
37) Ethyl Acetate	7.30	43	124249	49.924	ug/l	99
38) Carbon Tetrachloride	8.10	117	368322	55.162	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	427202	54.932	ug/l	98
40) Benzene	8.36	78	962814	53.480	ug/l	100
41) Methacrylonitrile	7.54	41	72277	54.914	ug/l	86
42) 1,2-Dichloroethane	8.43	62	246830	52.505	ug/l	100
43) Isopropyl Acetate	8.46	43	230018	50.054	ug/l	99
44) Trichloroethene	9.11	130	282119	55.489	ug/l	99
45) 1,2-Dichloropropane	9.39	63	234615	53.799	ug/l	94
46) Dibromomethane	9.48	93	120756	53.383	ug/l	97
47) Bromodichloromethane	9.67	83	318583	54.136	ug/l	98
48) Methyl methacrylate	9.46	41	122596	56.715	ug/l	92
49) 1,4-Dioxane	9.47	88	28291	1093.388	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	609091	263.392	ug/l	100
52) Toluene	10.41	92	629966	55.546	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	298704	54.315	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	365587	54.920	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	172825	53.943	ug/l	98
56) Ethyl methacrylate	10.67	69	197421	54.660	ug/l	98
57) 1,3-Dichloropropane	10.95	76	286805	52.908	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	260409	230.853	ug/l	99
59) 2-Hexanone	10.99	43	450426	281.376	ug/l	100
60) Dibromochloromethane	11.14	129	229772	55.949	ug/l	99
61) 1,2-Dibromoethane	11.25	107	165641	54.202	ug/l	97
64) Tetrachloroethene	10.88	164	246188	57.089	ug/l	97
65) Chlorobenzene	11.67	112	665236	55.858	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	245367	56.570	ug/l	98
67) Ethyl Benzene	11.75	91	1188756	57.769	ug/l	99
68) m/p-Xylenes	11.86	106	923743	116.420	ug/l	100
69) o-Xylene	12.18	106	411250	58.922	ug/l	98
70) Styrene	12.20	104	722673	58.832	ug/l	99
71) Bromoform	12.37	173	136175	55.894	ug/l	99
73) Isopropylbenzene	12.48	105	1145214	57.103	ug/l	100
74) N-amyl acetate	12.30	43	212128	51.665	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	178599	50.662	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	232731	96.730	ug/l #	100
77) Bromobenzene	12.77	156	271836	54.555	ug/l	98
78) n-propylbenzene	12.83	91	1369837	57.566	ug/l	99
79) 2-Chlorotoluene	12.91	91	748522	55.814	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	940167	57.022	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	59646	52.316	ug/l	97
82) 4-Chlorotoluene	13.01	91	776604	55.107	ug/l	99
83) tert-Butylbenzene	13.23	119	807304	57.876	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	939024	57.778	ug/l	100
85) sec-Butylbenzene	13.41	105	1149263	57.721	ug/l	99
86) p-Isopropyltoluene	13.53	119	1061966	58.451	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	525805	54.887	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	513086	53.843	ug/l	100
89) n-Butylbenzene	13.86	91	969510	57.720	ug/l	99
90) Hexachloroethane	14.12	117	210352	56.220	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	450730	55.289	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26875	50.057	ug/l	98

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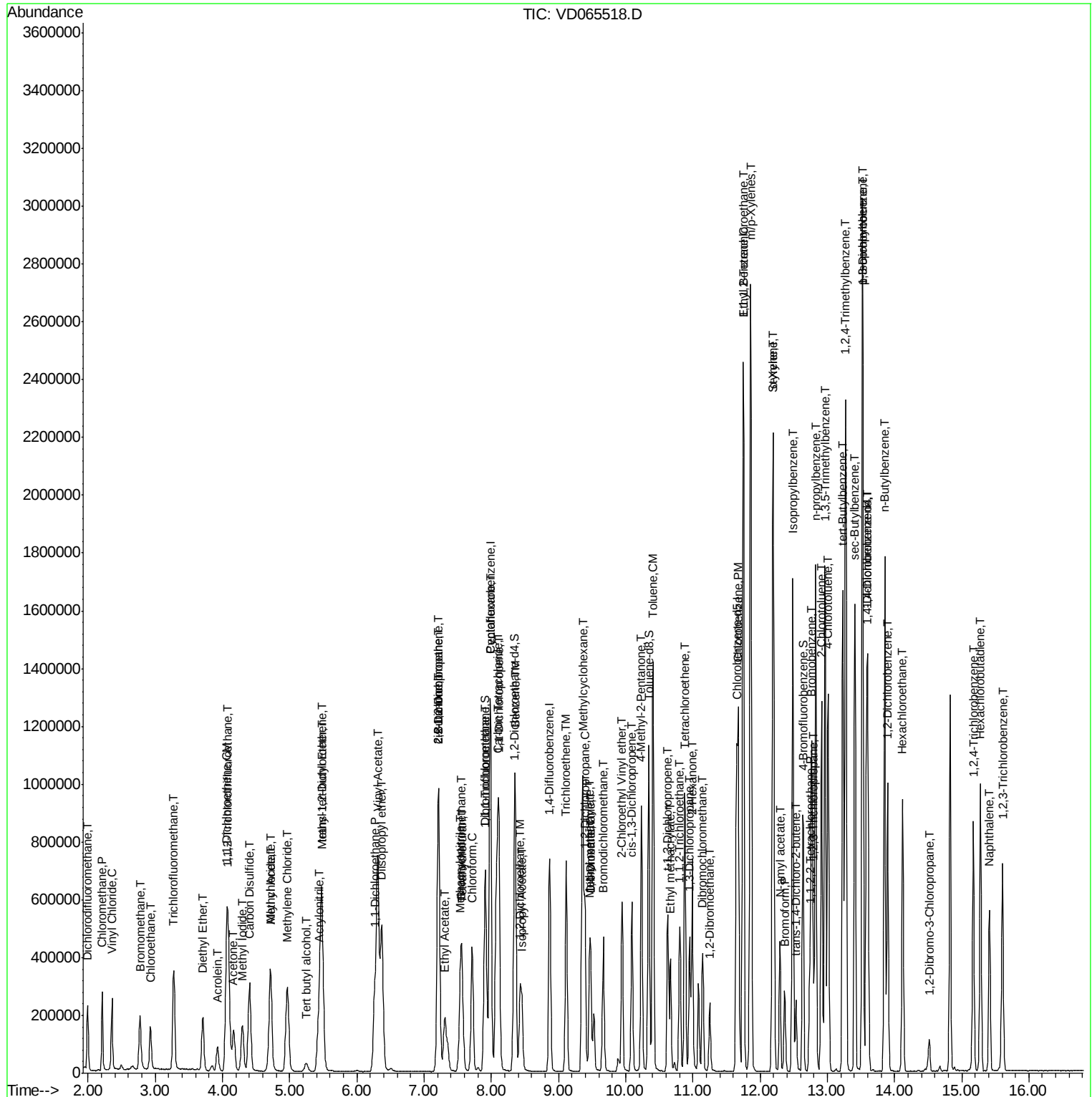
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	318367	57.619	ug/l	98
94) Hexachlorobutadiene	15.28	225	209968	57.834	ug/l	99
95) Naphthalene	15.41	128	499112	50.622	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	271523	56.868	ug/l	98

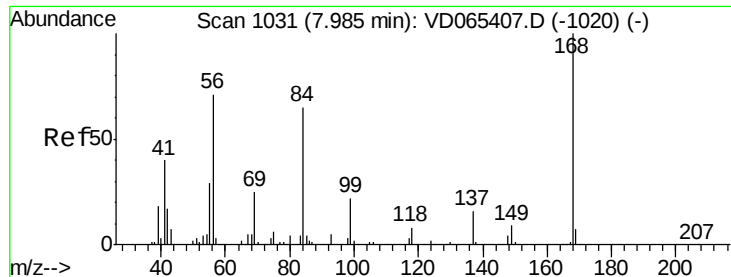
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

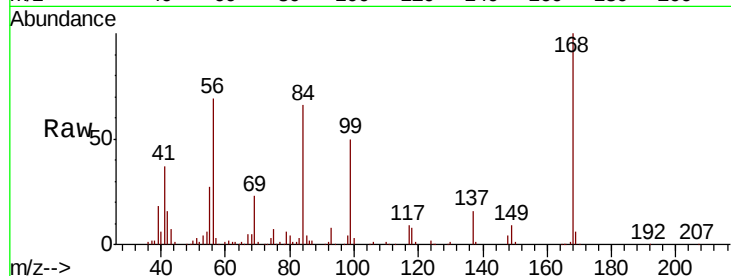
ClientSampleId :

Tot Ion:168 Resp: 486098

Ion Ratio Lower Upper

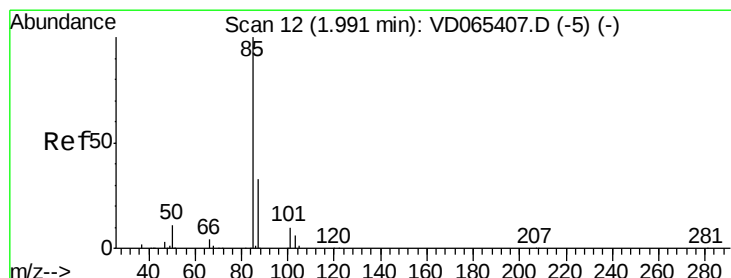
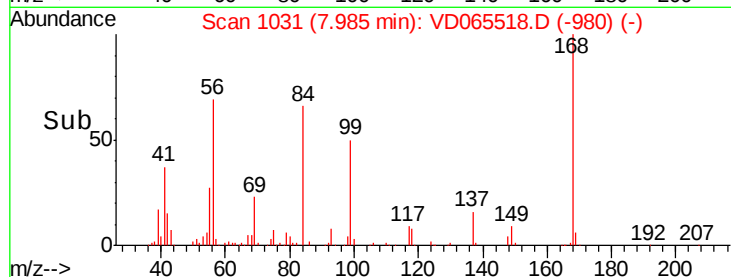
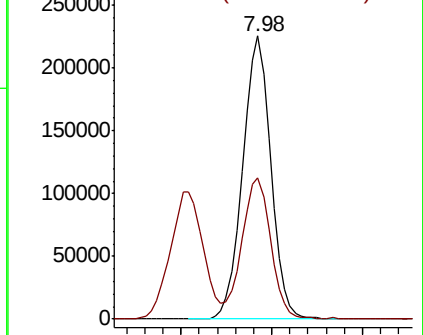
168 100

99 49.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 42.490 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065518.D

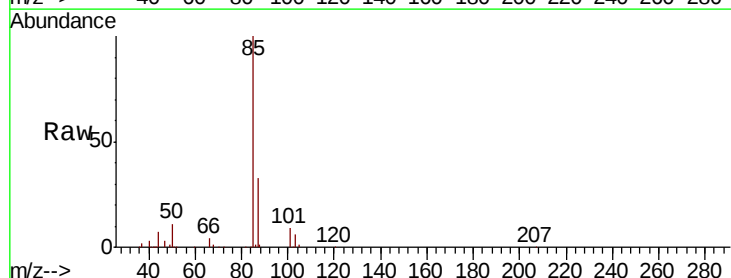
Acq: 24 Mar 2020 13:45

Tgt Ion: 85 Resp: 177511

Ion Ratio Lower Upper

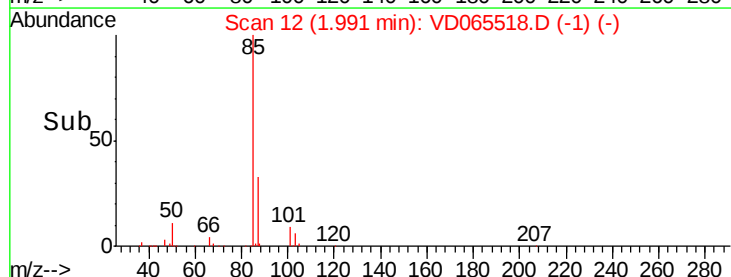
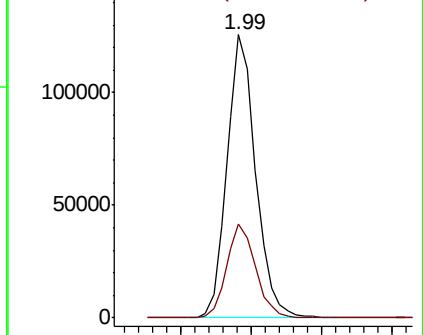
85 100

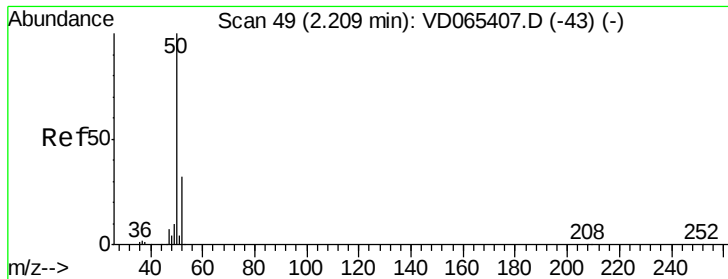
87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.249 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

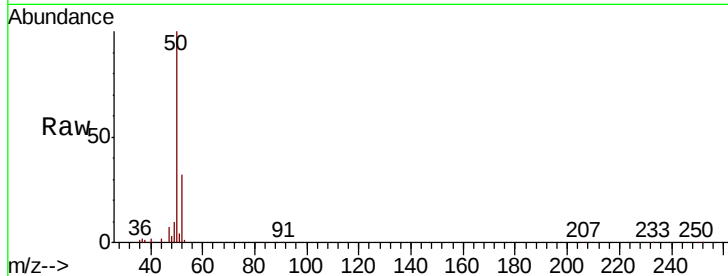
ClientSampleId :

Tot Ion: 50 Resp: 218140

Ion Ratio Lower Upper

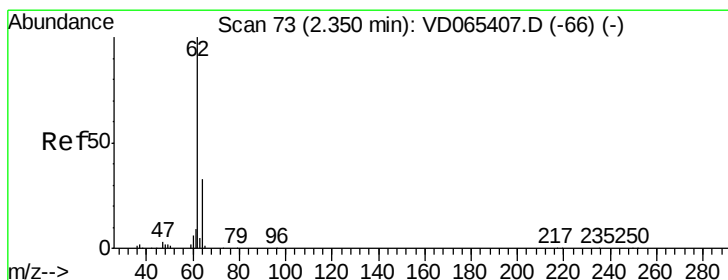
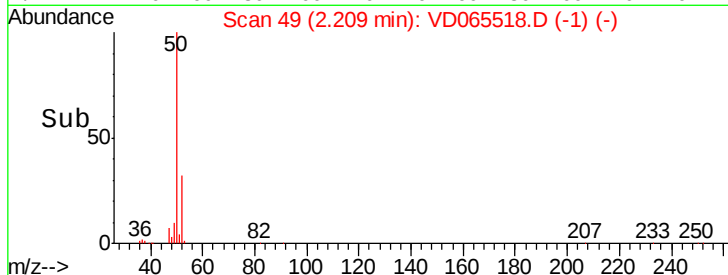
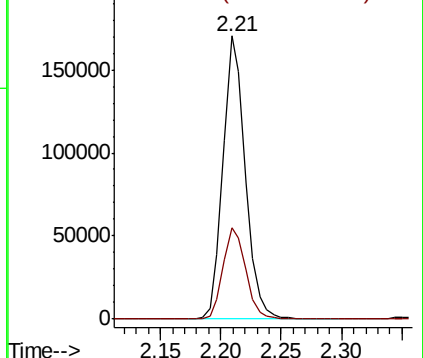
50 100

52 32.2 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.953 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065518.D

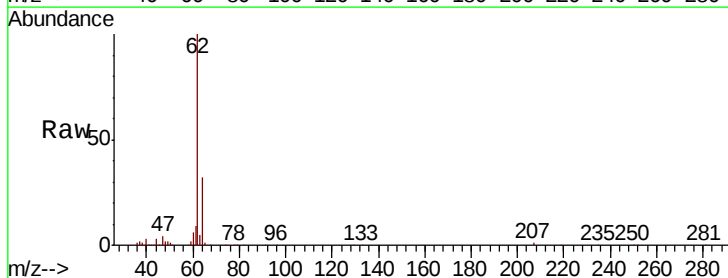
Acq: 24 Mar 2020 13:45

Tgt Ion: 62 Resp: 238561

Ion Ratio Lower Upper

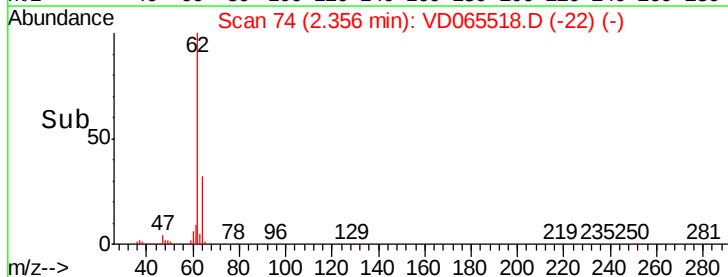
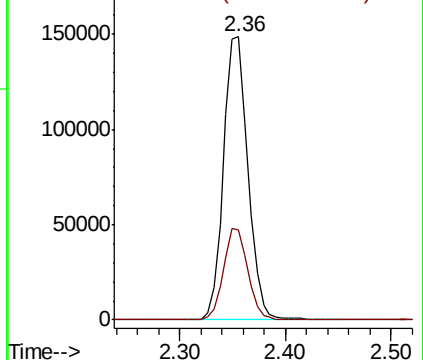
62 100

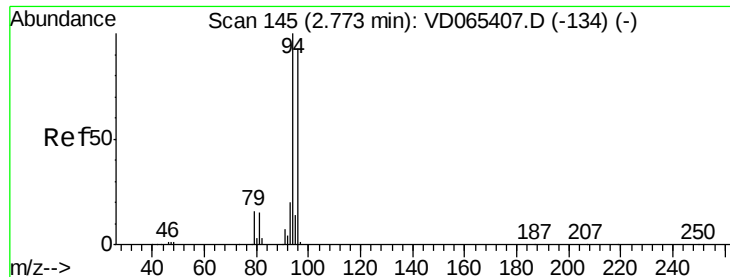
64 32.0 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 53.883 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

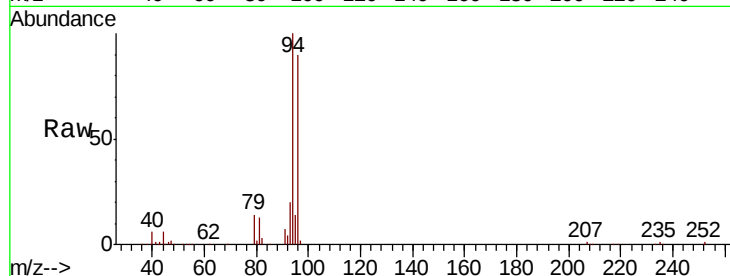
ClientSampleId :

Tot Ion: 94 Resp: 149167

Ion Ratio Lower Upper

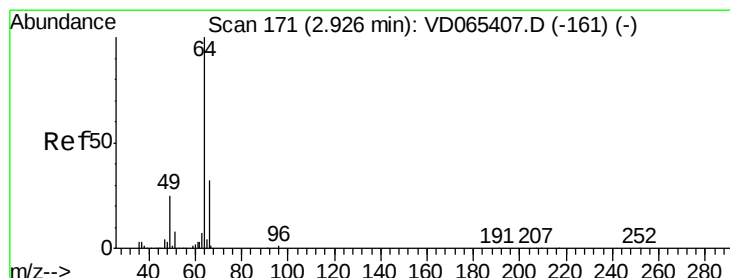
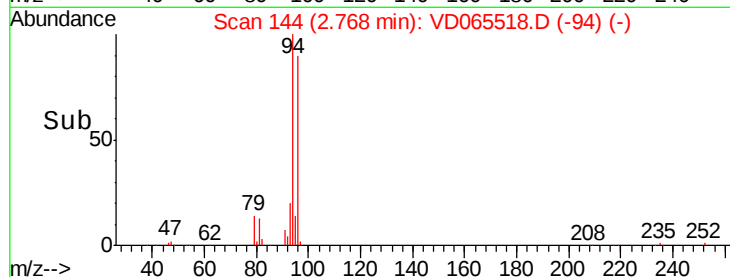
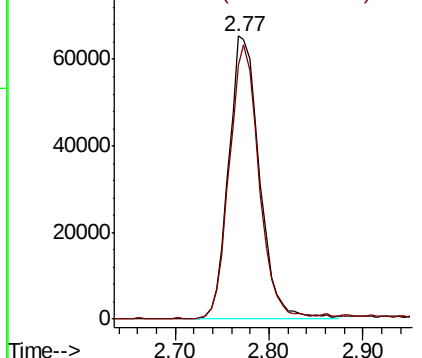
94 100

96 89.3 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.606 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065518.D

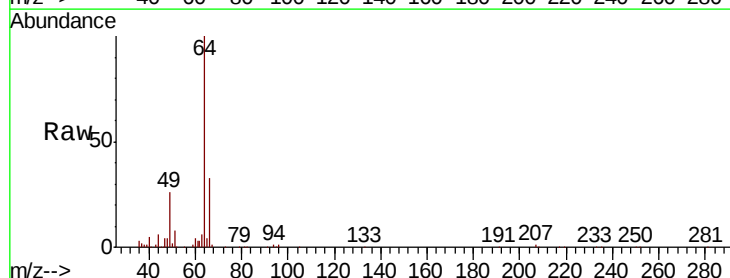
Acq: 24 Mar 2020 13:45

Tgt Ion: 64 Resp: 148097

Ion Ratio Lower Upper

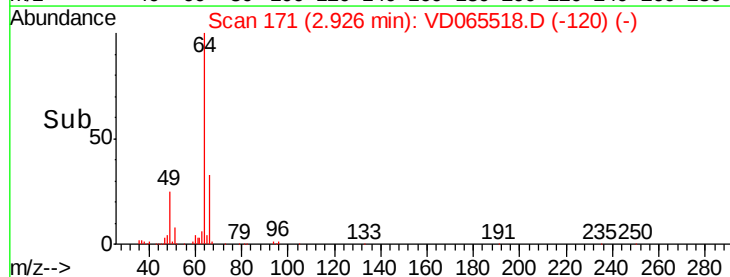
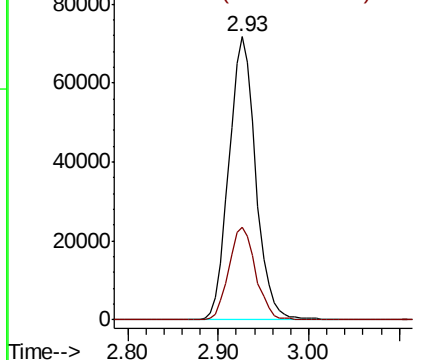
64 100

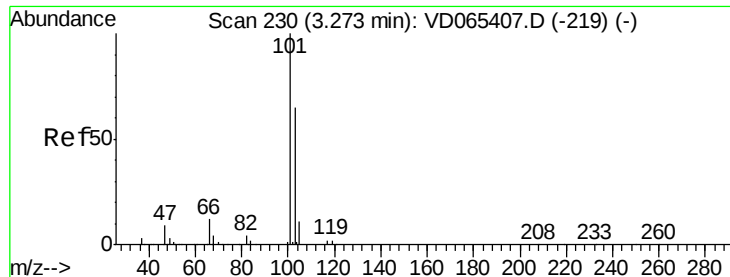
66 32.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



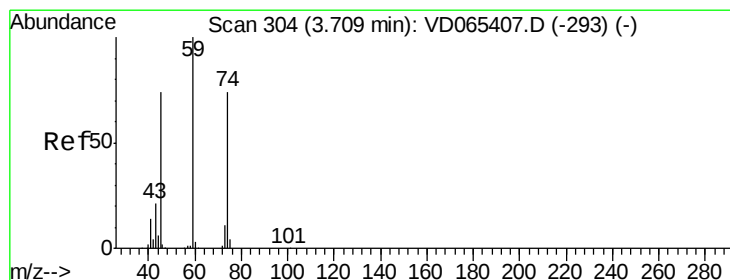
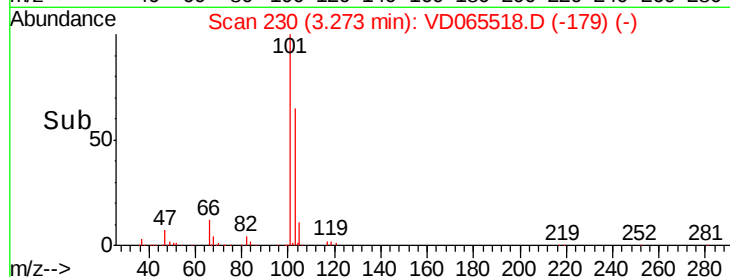
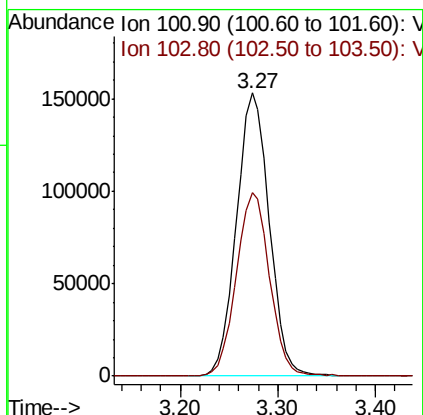
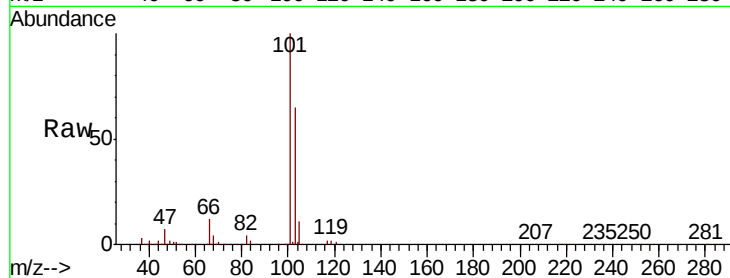


#7

Trichlorofluoromethane
 Concen: 48.810 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Instrument :
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 ClientSampleId :

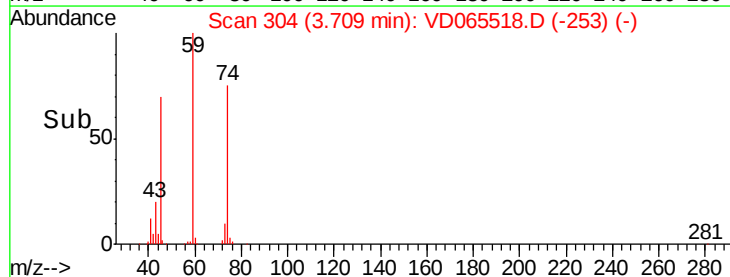
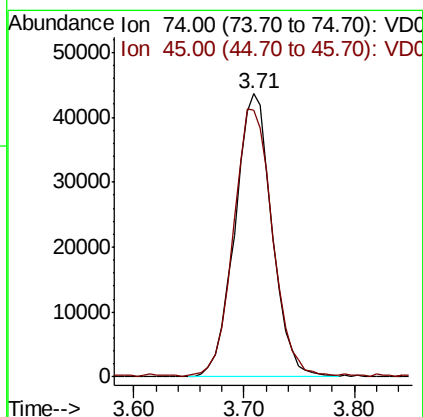
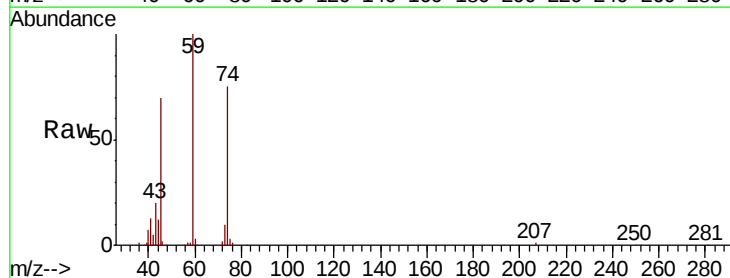
Tot Ion:101 Resp: 357800
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.1 78.1

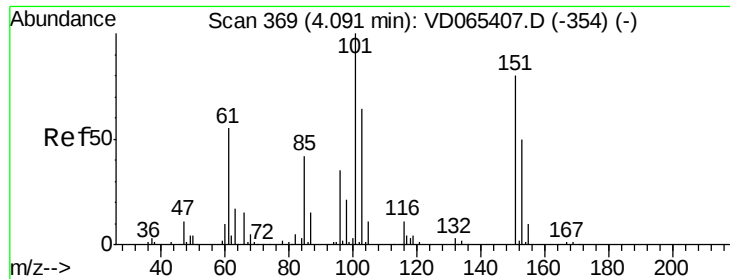


#8

Diethyl Ether
 Concen: 47.249 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Tgt Ion: 74 Resp: 103001
 Ion Ratio Lower Upper
 74 100
 45 99.7 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.944 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

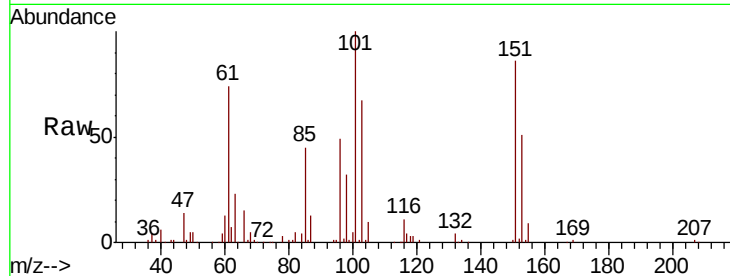
Tot Ion:101 Resp: 240515

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.2

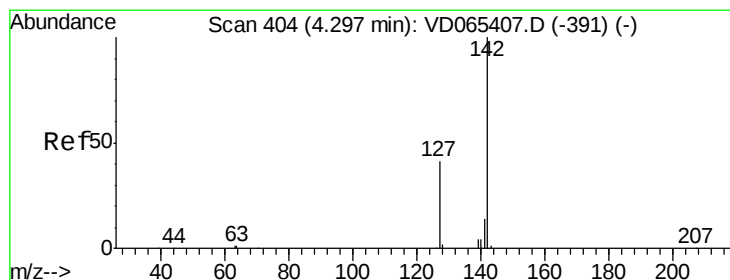
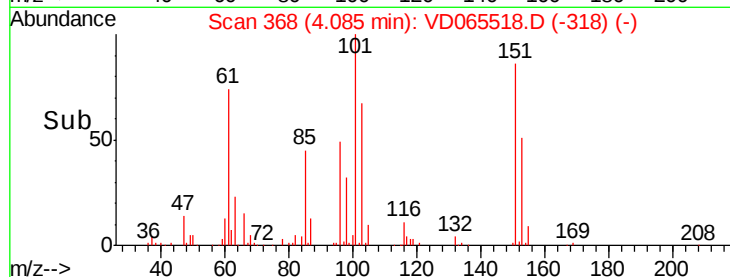
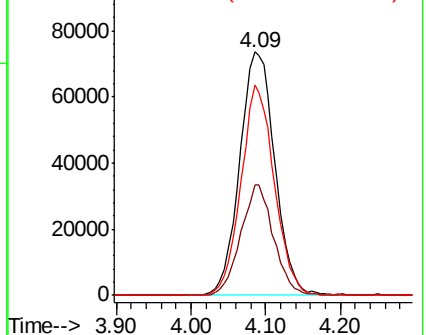
151 81.6 65.1 97.7



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: 56.408 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

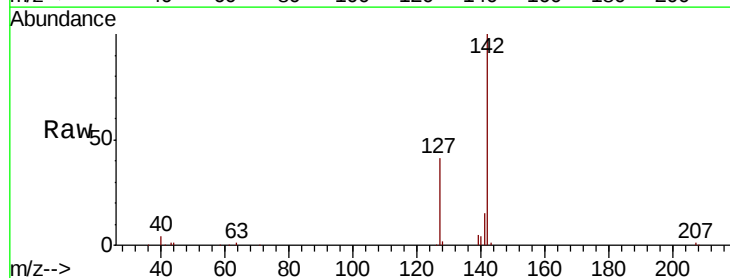
Tgt Ion:142 Resp: 276672

Ion Ratio Lower Upper

142 100

127 40.9 35.0 52.6

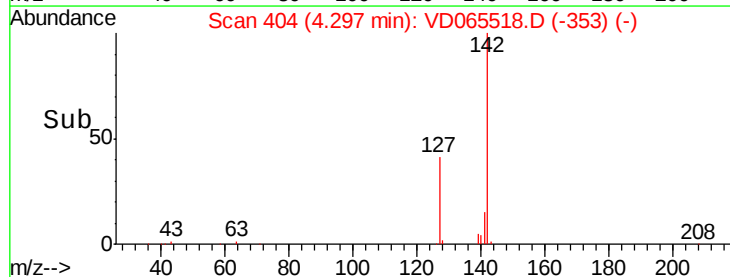
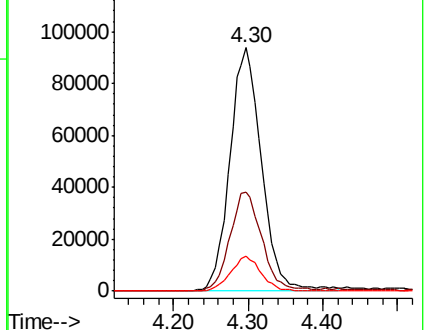
141 13.7 12.4 18.6

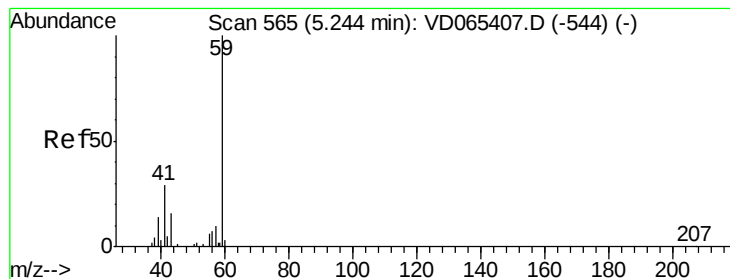


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 208.391 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

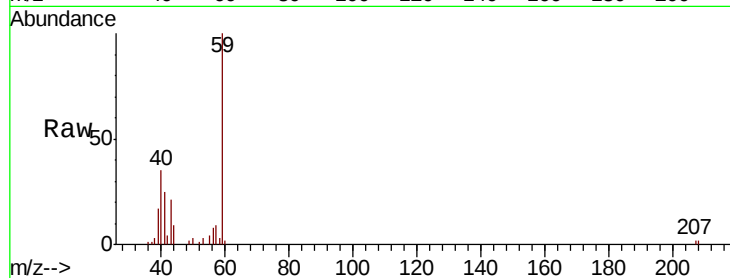
ClientSampleId :

Tot Ion: 59 Resp: 49842

Ion Ratio Lower Upper

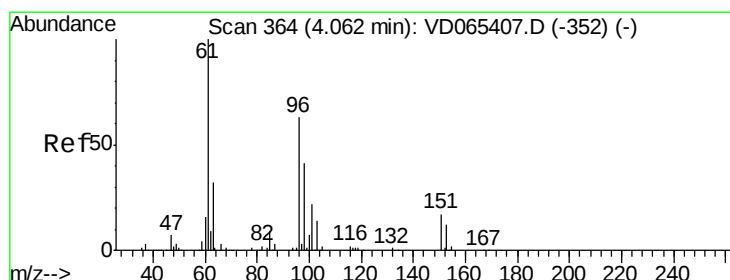
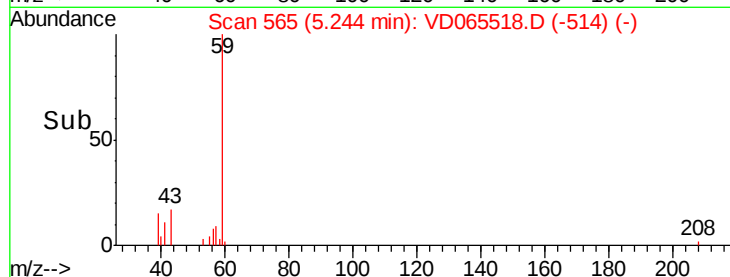
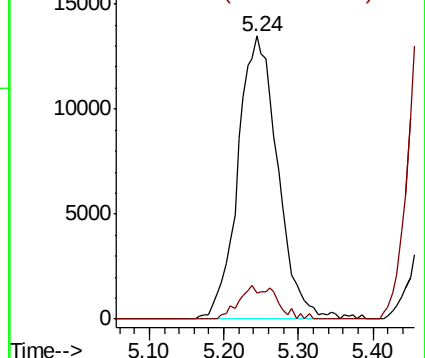
59 100

57 6.5 6.9 10.3#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 49.362 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

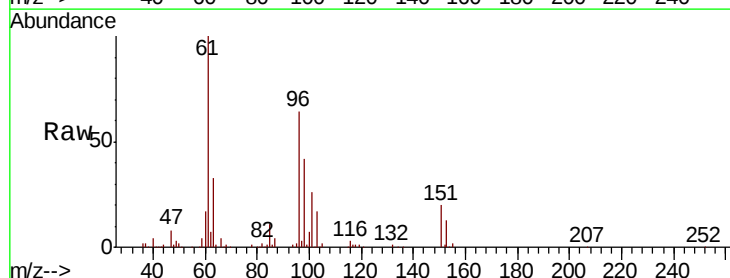
Tgt Ion: 96 Resp: 223155

Ion Ratio Lower Upper

96 100

61 155.4 128.0 192.0

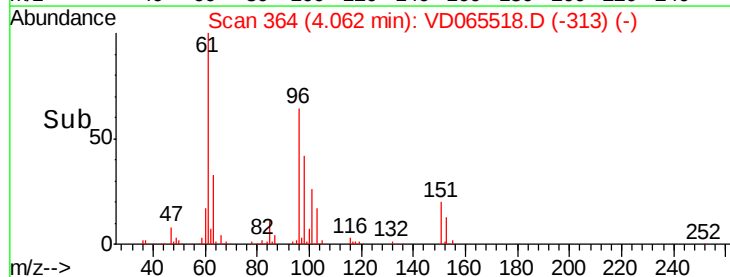
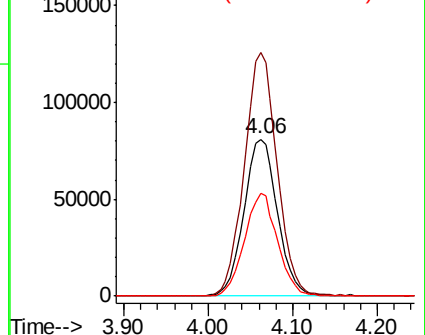
98 65.8 51.9 77.9

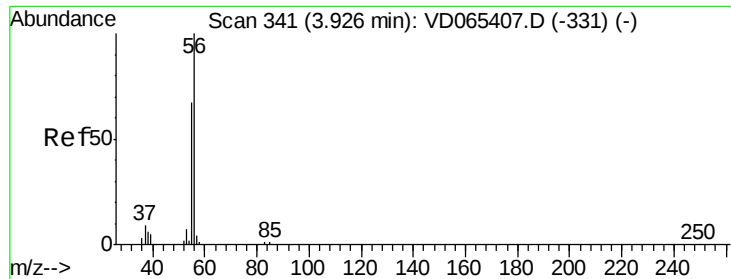


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

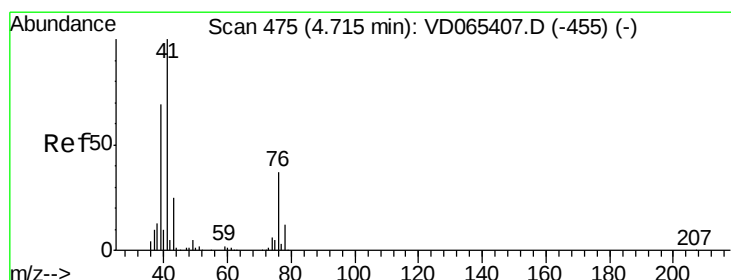
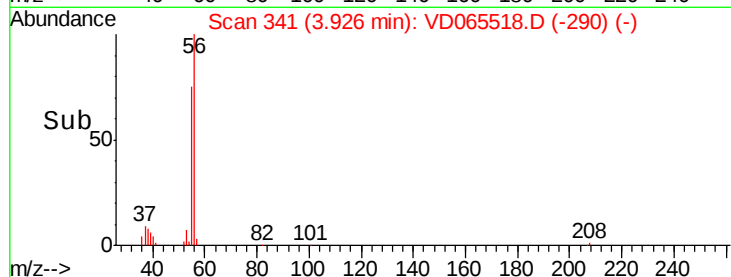
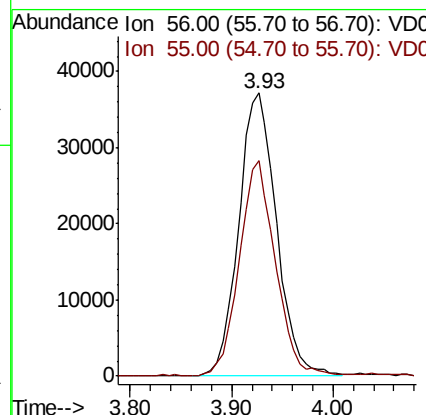
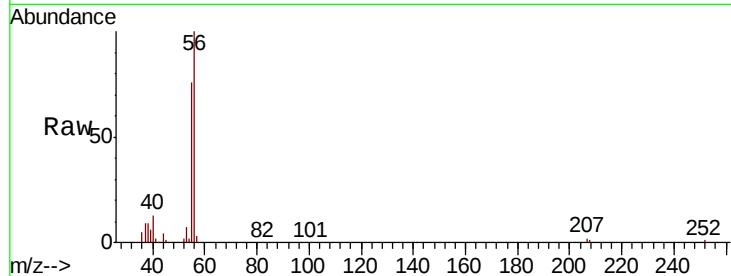




#13
Acrolein
Concen: 233.450 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

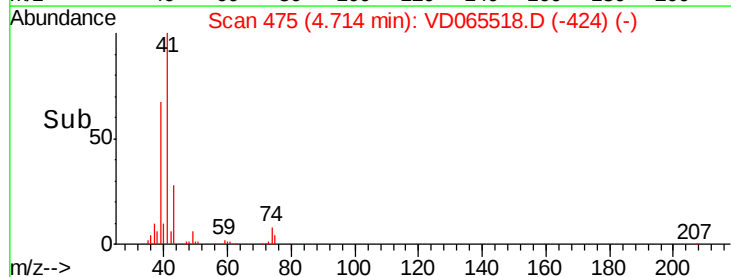
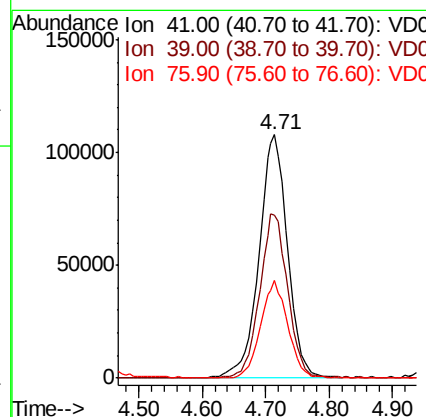
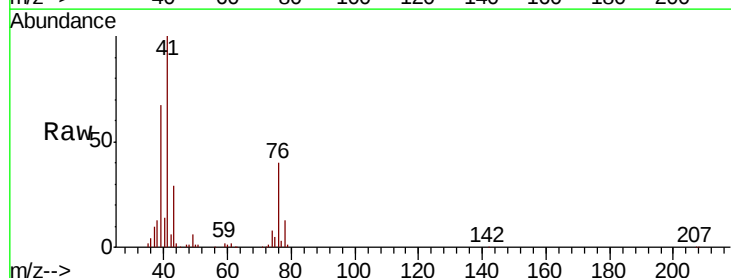
Instrument :
MSVOA_D
ClientSampled :

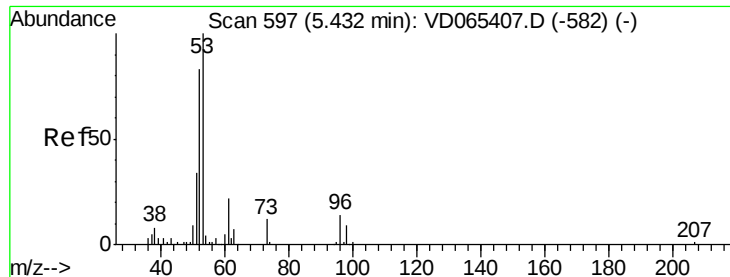
Tot Ion: 56 Resp: 96295
Ion Ratio Lower Upper
56 100
55 73.1 56.6 85.0



#14
Allyl chloride
Concen: 48.779 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion: 41 Resp: 338758
Ion Ratio Lower Upper
41 100
39 66.3 52.6 79.0
76 37.5 29.2 43.8





#15

Acrylonitrile

Concen: 239.120 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

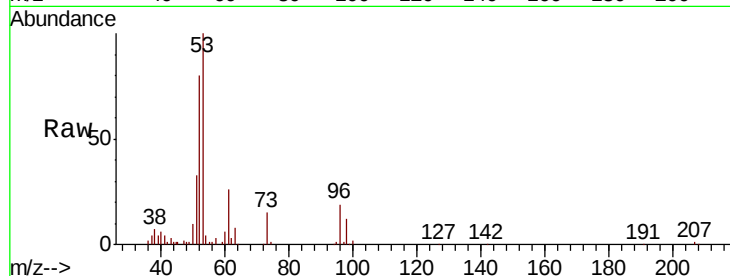
Tot Ion: 53 Resp: 226774

Ion Ratio Lower Upper

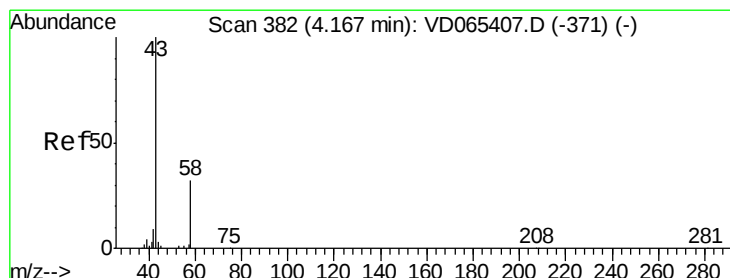
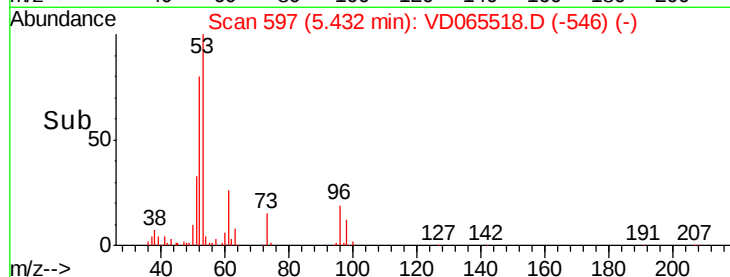
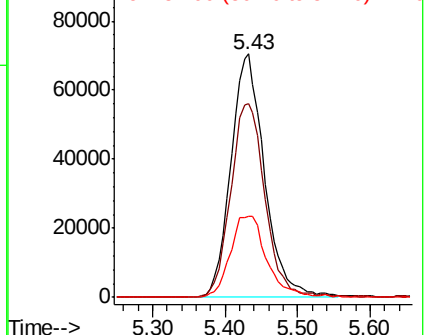
53 100

52 81.5 65.1 97.7

51 36.1 28.5 42.7



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: 292.659 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065518.D

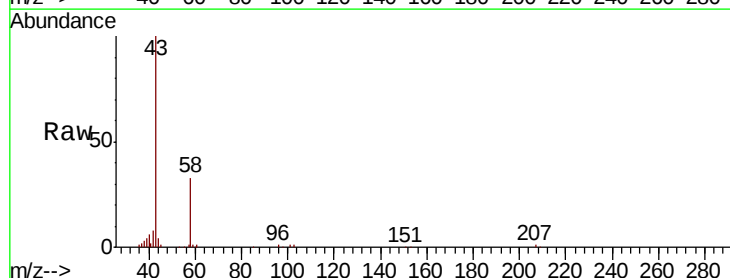
Acq: 24 Mar 2020 13:45

Tgt Ion: 43 Resp: 246797

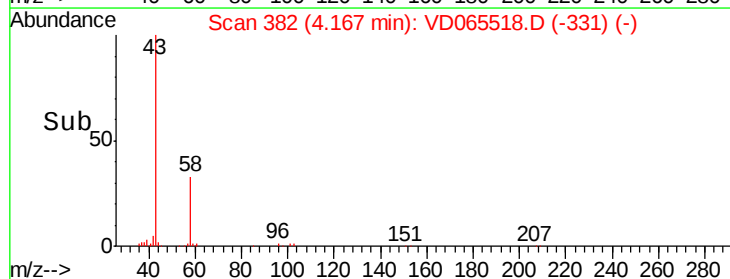
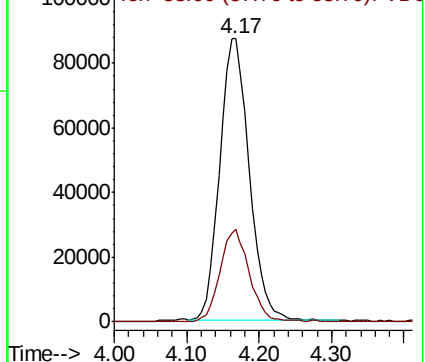
Ion Ratio Lower Upper

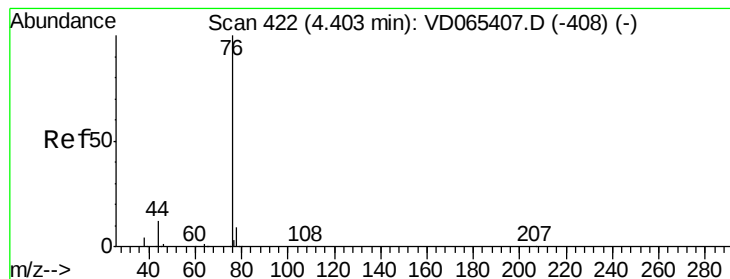
43 100

58 32.8 25.1 37.7



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





#17

Carbon Disulfide

Concen: 44.481 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

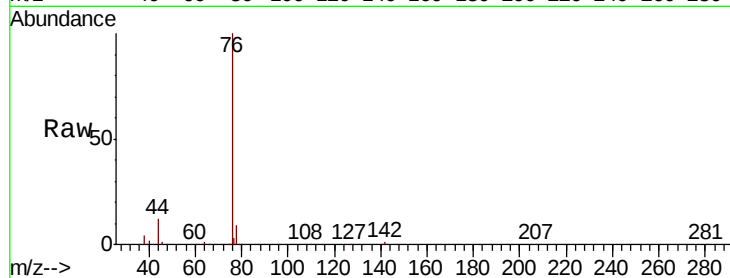
ClientSampleId :

Tot Ion: 76 Resp: 669656

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

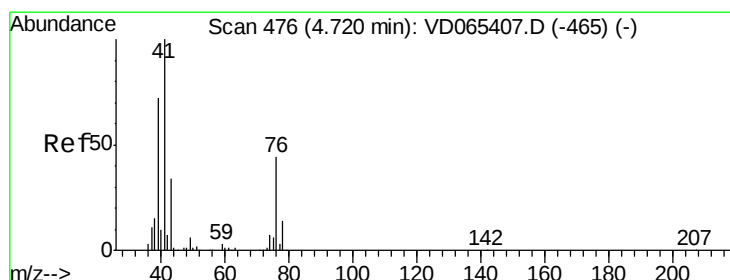
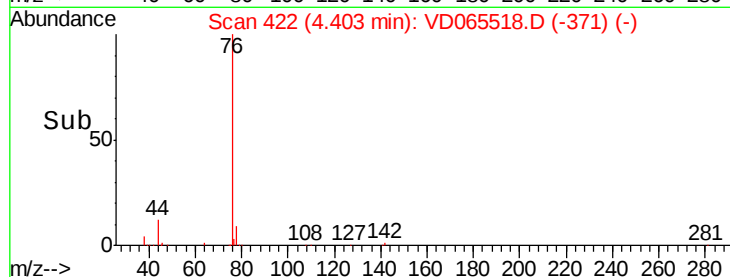
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.453 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065518.D

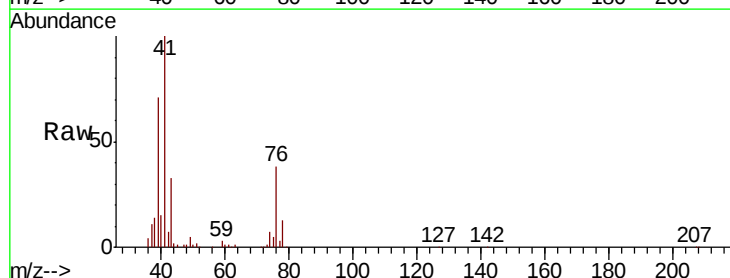
Acq: 24 Mar 2020 13:45

Tgt Ion: 43 Resp: 101509

Ion Ratio Lower Upper

43 100

74 24.2 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

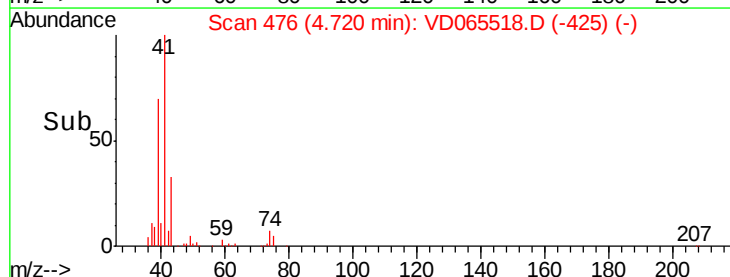
30000

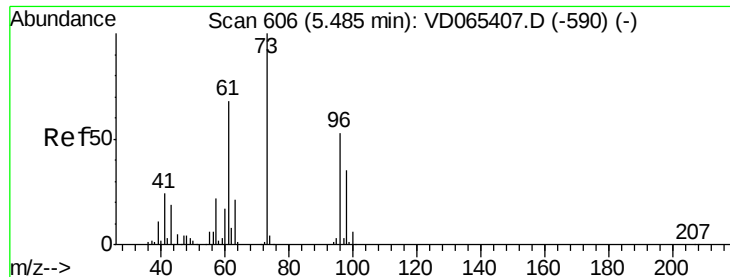
20000

10000

0

Time-->

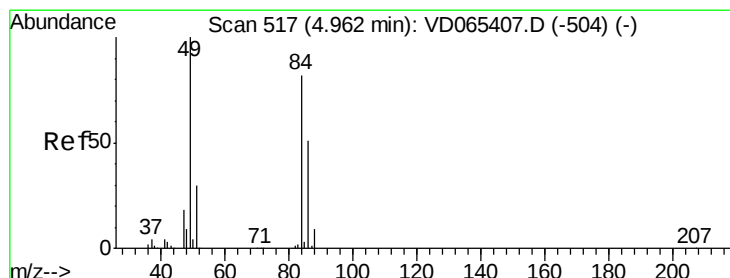
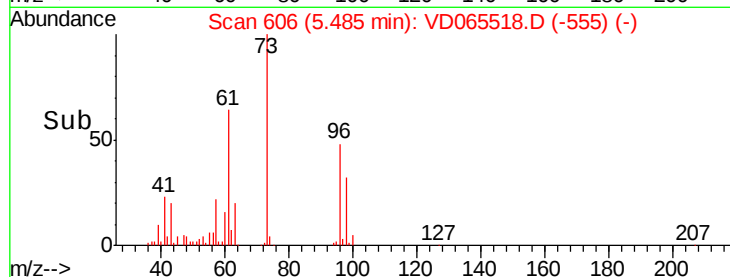
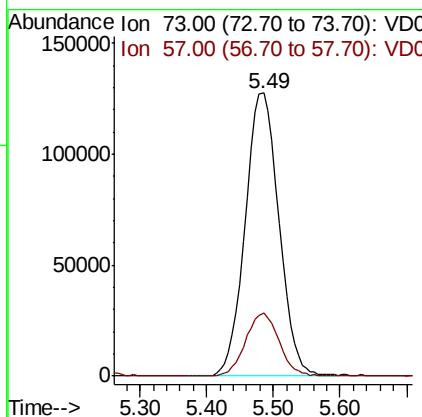
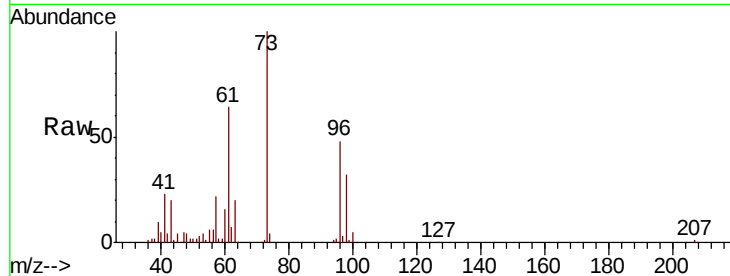




#19
Methvl tert-butvl Ether
Concen: 51.132 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

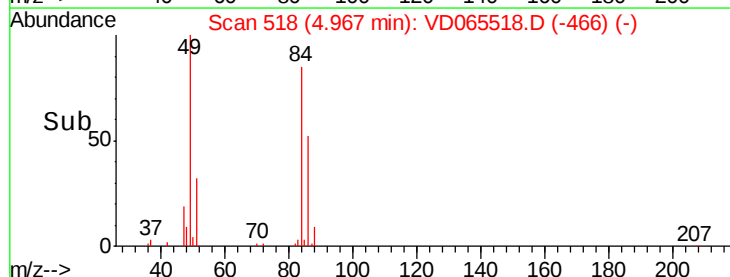
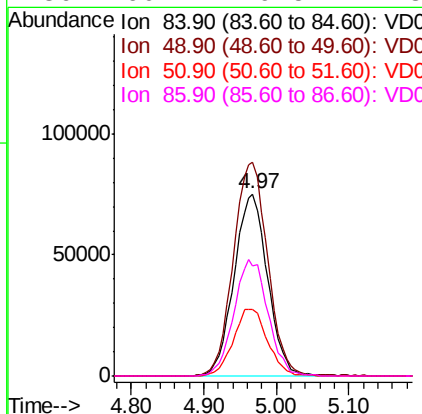
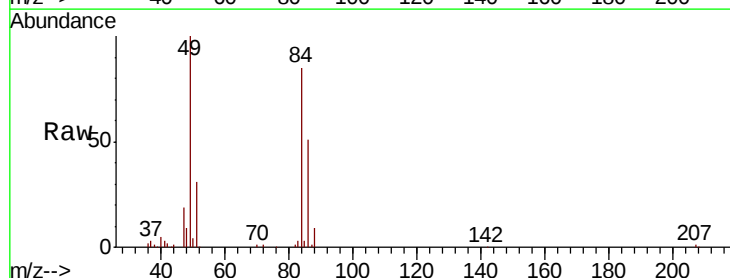
Instrument :
MSVOA_D
ClientSampleId :

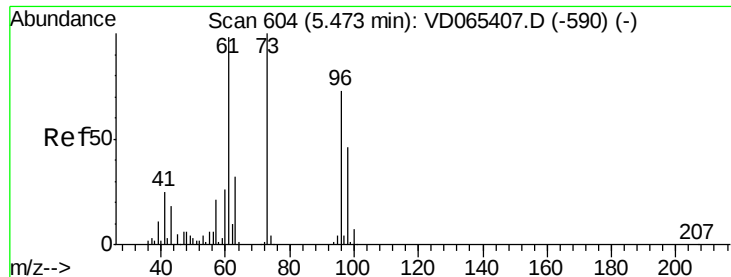
Tot Ion: 73 Resp: 444531
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9



#20
Methylene Chloride
Concen: 53.094 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion: 84 Resp: 242166
Ion Ratio Lower Upper
84 100
49 117.5 97.7 146.5
51 37.0 28.8 43.2
86 60.4 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 50.114 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampled :

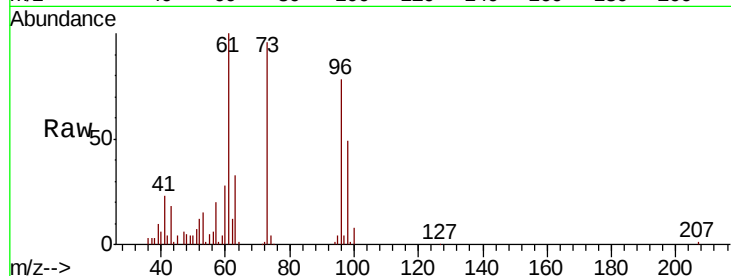
Tot Ion: 96 Resp: 252024

Ion Ratio Lower Upper

96 100

61 127.8 106.3 159.5

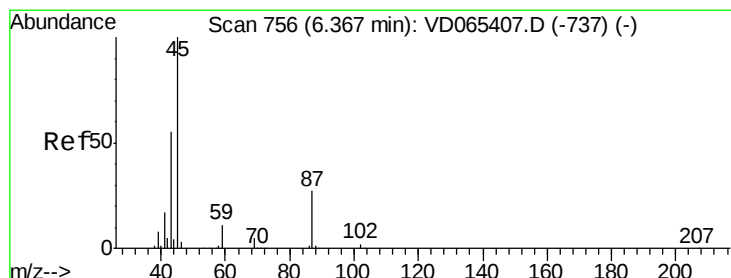
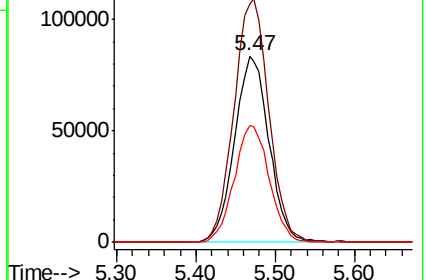
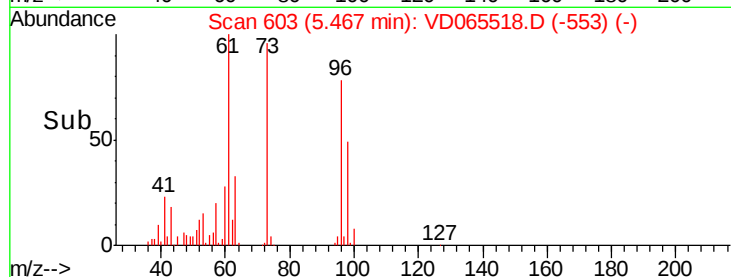
98 62.9 50.2 75.4



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: 51.594 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Tgt Ion: 45 Resp: 666070

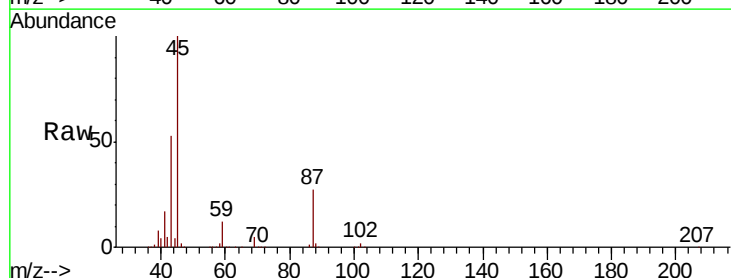
Ion Ratio Lower Upper

45 100

43 52.5 44.4 66.6

87 27.3 21.9 32.9

59 11.5 9.2 13.8

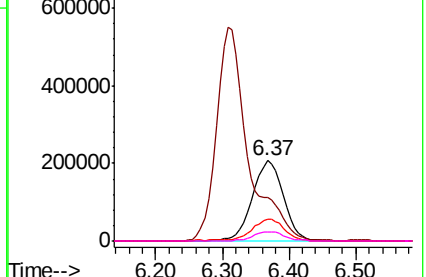
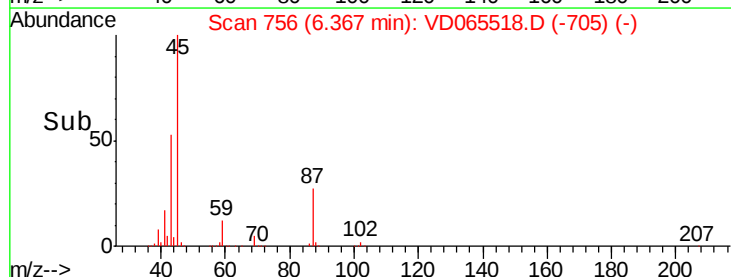


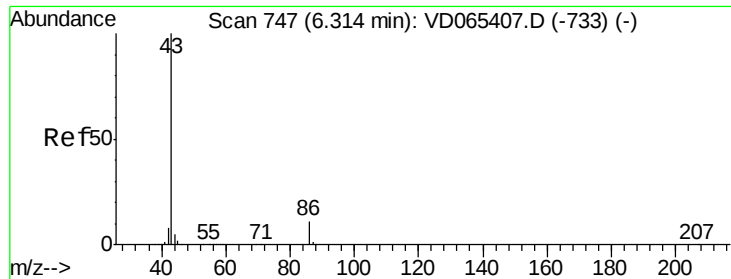
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 256.344 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

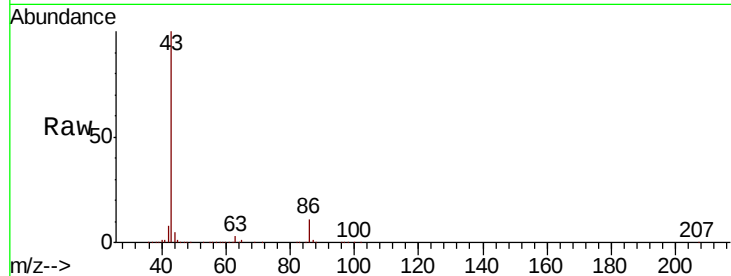
ClientSampleId :

Tot Ion: 43 Resp: 1837513

Ion Ratio Lower Upper

43 100

86 11.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

500000

400000

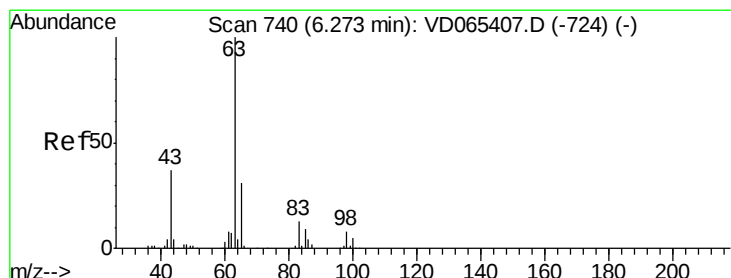
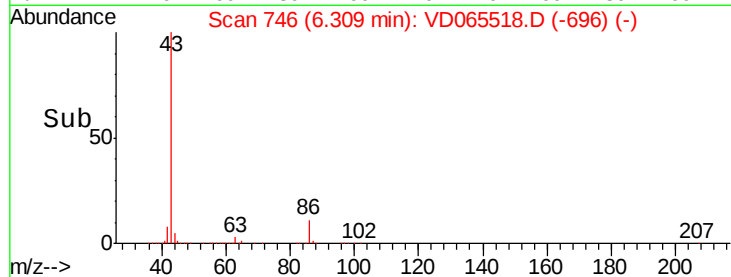
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 50.350 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

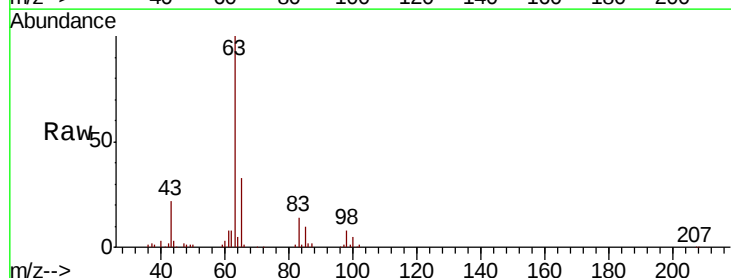
Tgt Ion: 63 Resp: 416927

Ion Ratio Lower Upper

63 100

98 8.3 4.2 12.6

100 4.8 2.4 7.2



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

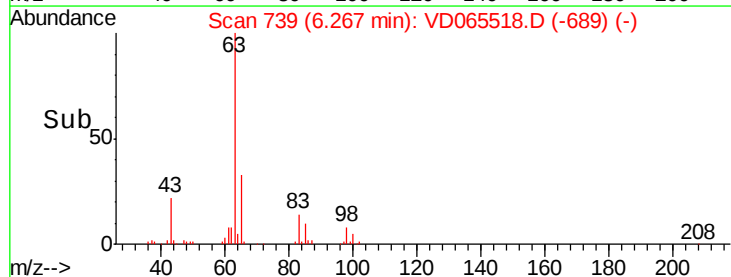
150000

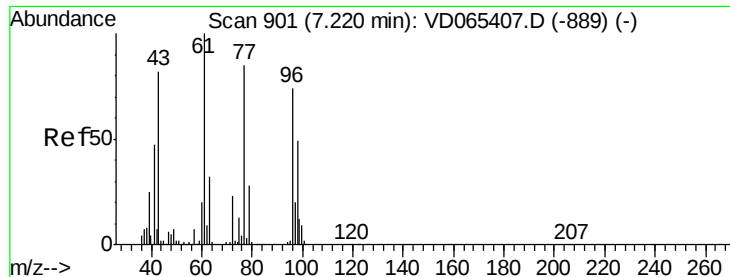
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 251.782 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

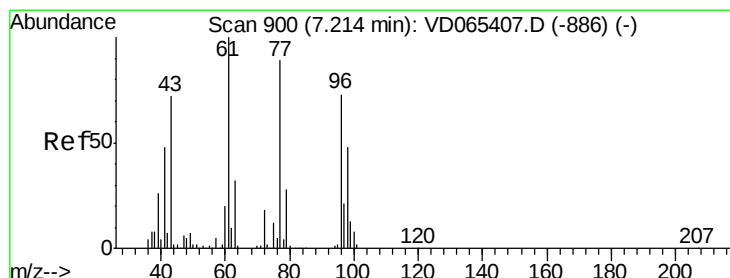
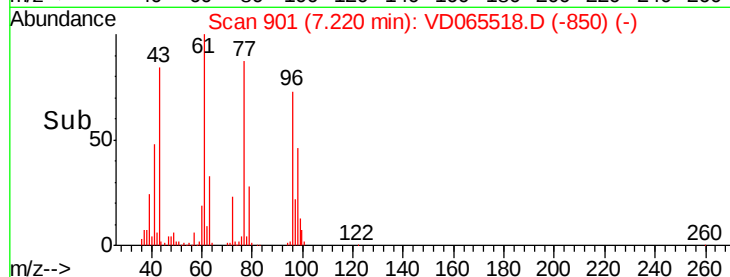
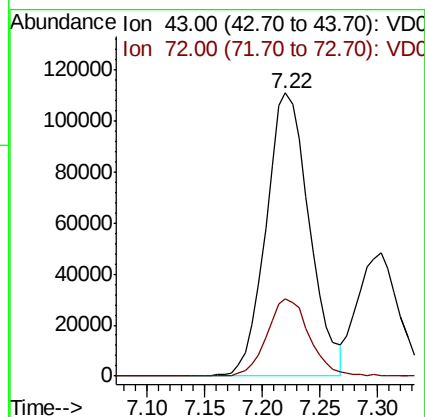
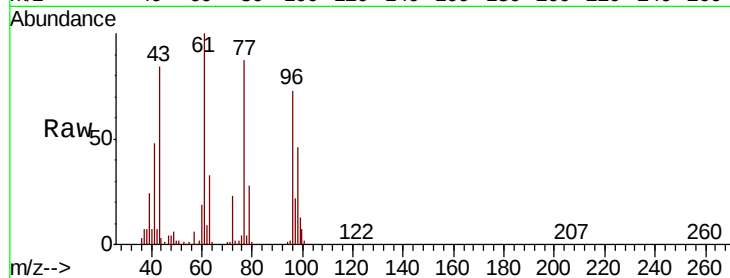
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 289750

Ion Ratio Lower Upper

43 100

72 27.2 22.3 33.5



#26

2,2-Dichloropropane

Concen: 52.627 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065518.D

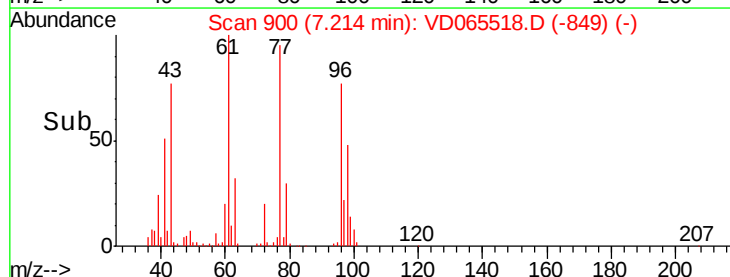
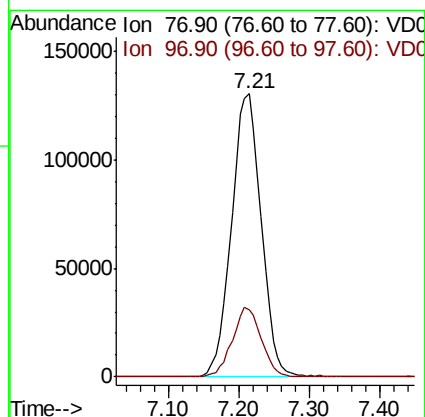
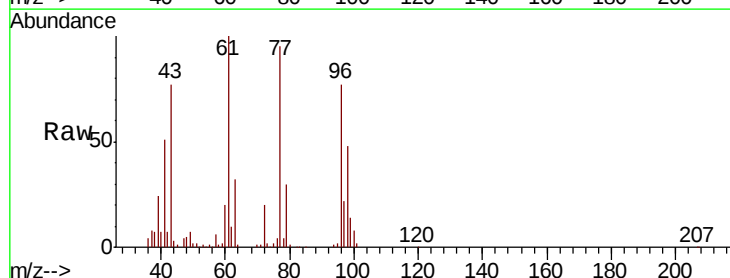
Acq: 24 Mar 2020 13:45

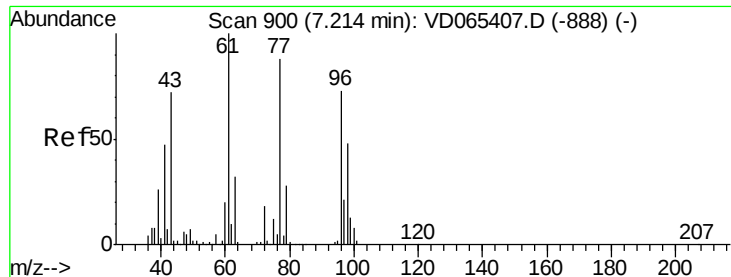
Tgt Ion: 77 Resp: 380819

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 52.295 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :

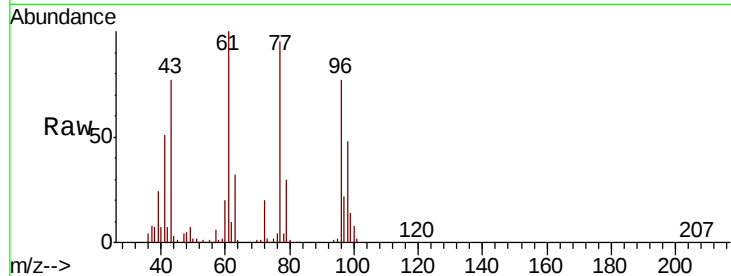
Tot Ion: 96 Resp: 268816

Ion Ratio Lower Upper

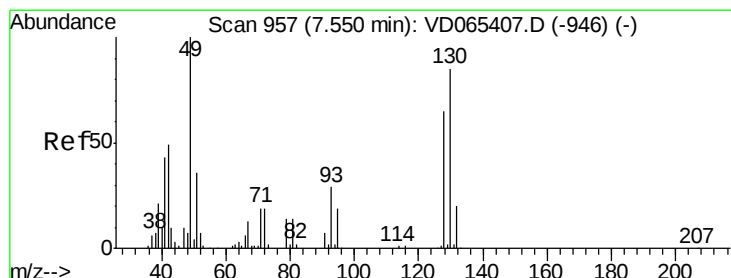
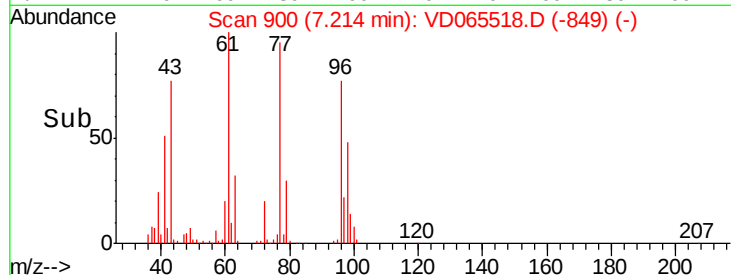
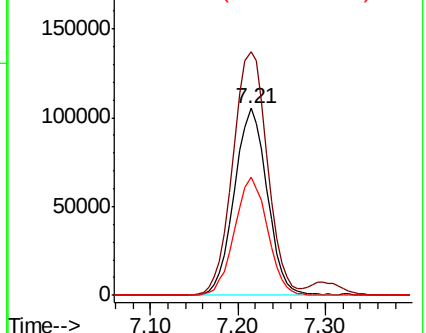
96 100

61 136.6 0.0 280.4

98 63.4 0.0 132.6



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: 50.051 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

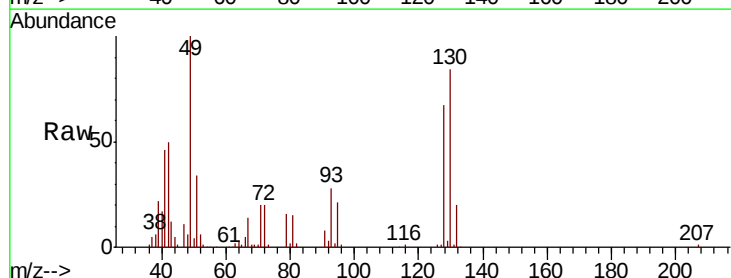
Tgt Ion: 49 Resp: 165817

Ion Ratio Lower Upper

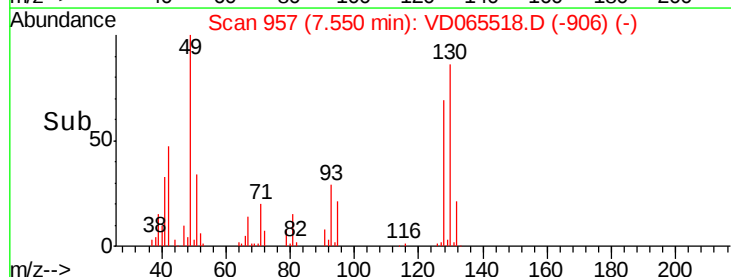
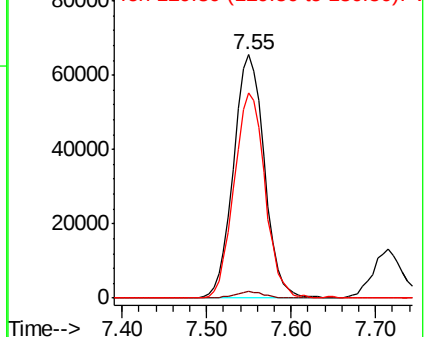
49 100

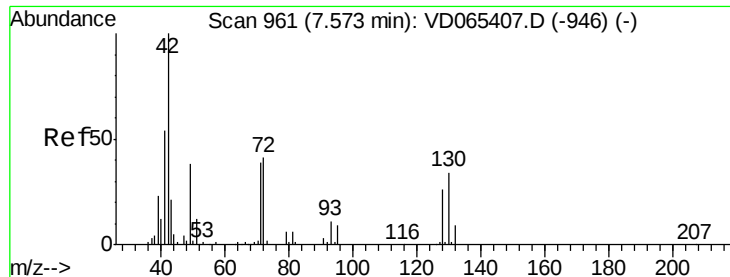
129 2.4 0.0 4.6

130 84.3 66.6 100.0



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: 238.295 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampled :

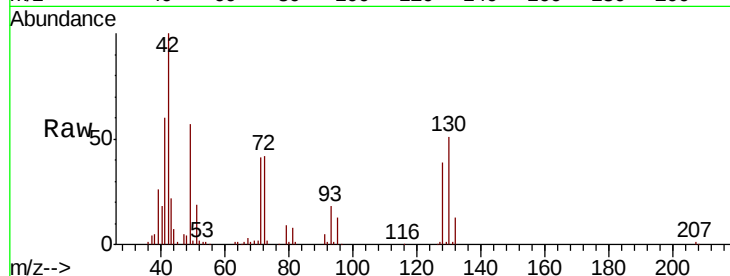
Tot Ion: 42 Resp: 175126

Ion Ratio Lower Upper

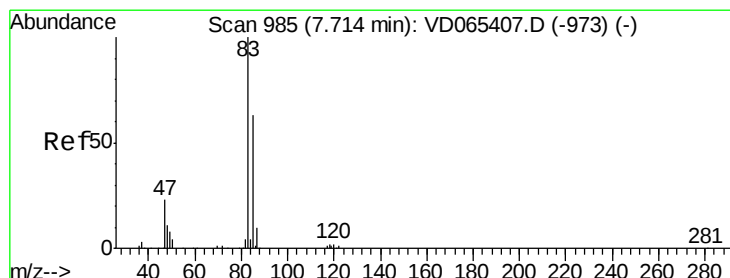
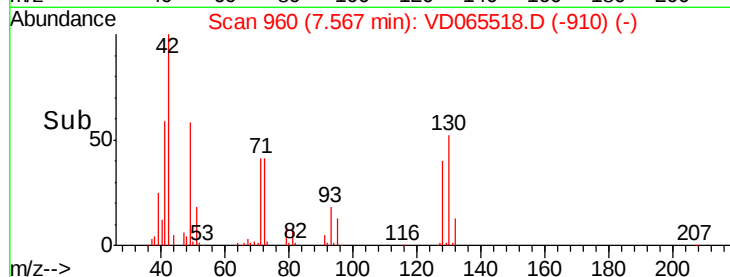
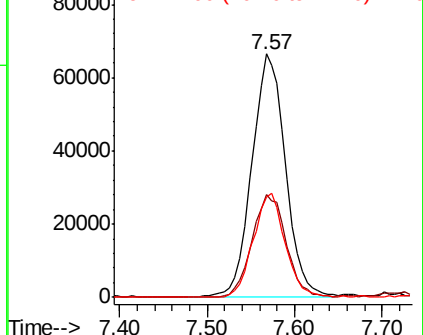
42 100

72 42.5 33.0 49.6

71 40.6 32.0 48.0



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: 51.173 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065518.D

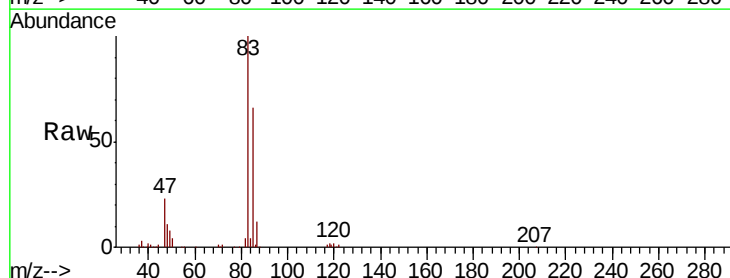
Acq: 24 Mar 2020 13:45

Tgt Ion: 83 Resp: 423533

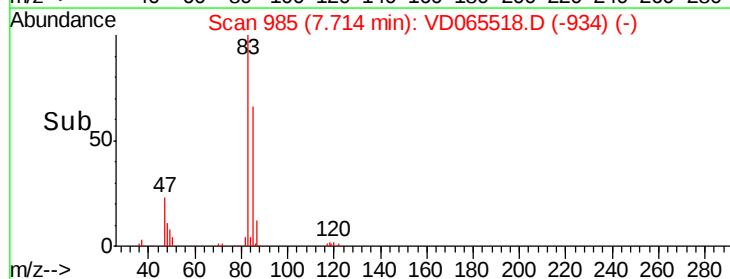
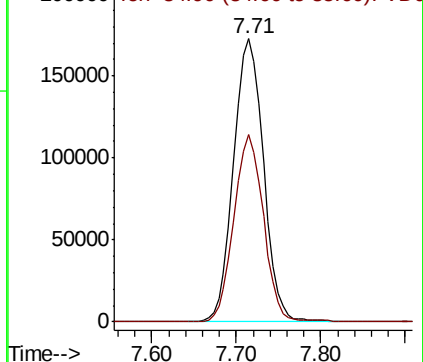
Ion Ratio Lower Upper

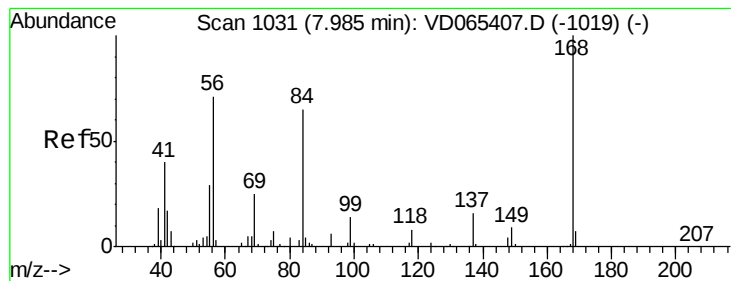
83 100

85 66.4 50.3 75.5



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





#31

Cyclohexane

Concen: 47.461 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :

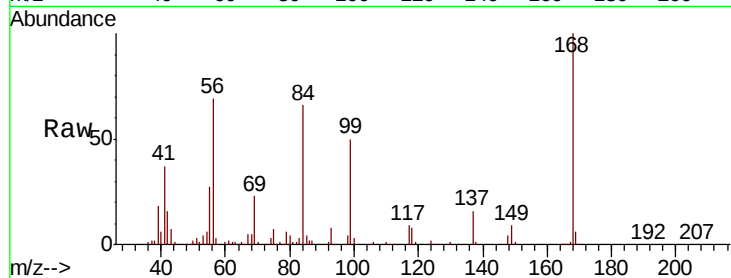
Tot Ion: 56 Resp: 392975

Ion Ratio Lower Upper

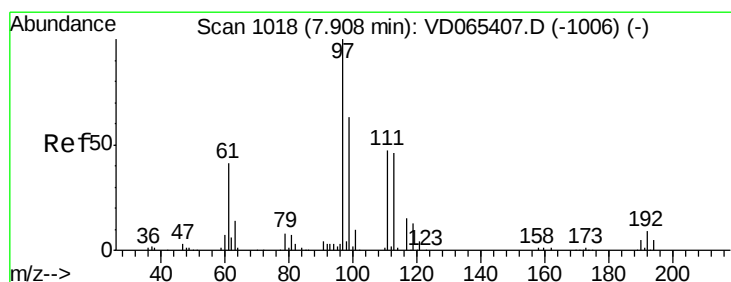
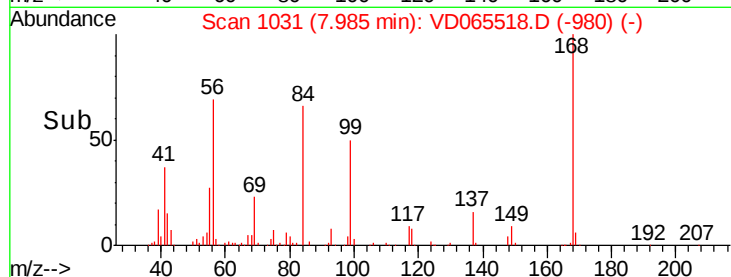
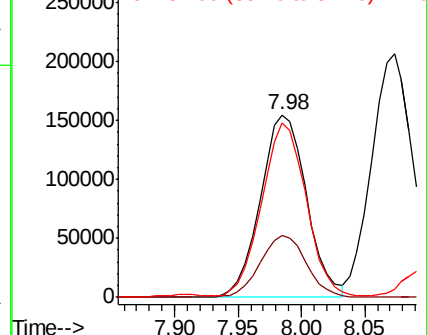
56 100

69 33.5 28.3 42.5

84 94.2 73.1 109.7



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 52.089 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

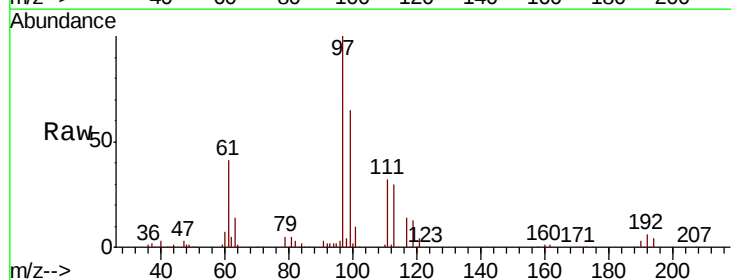
Tgt Ion: 97 Resp: 398406

Ion Ratio Lower Upper

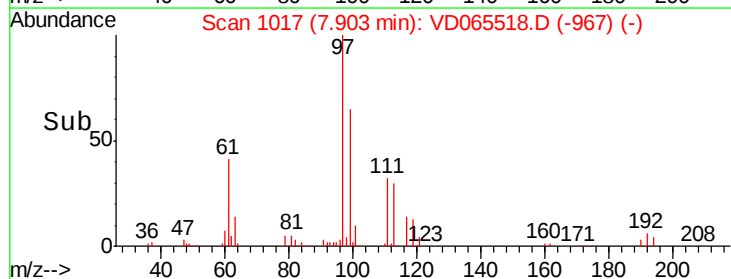
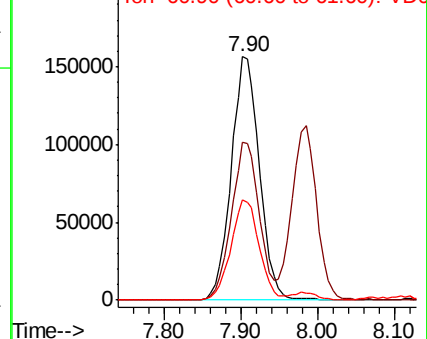
97 100

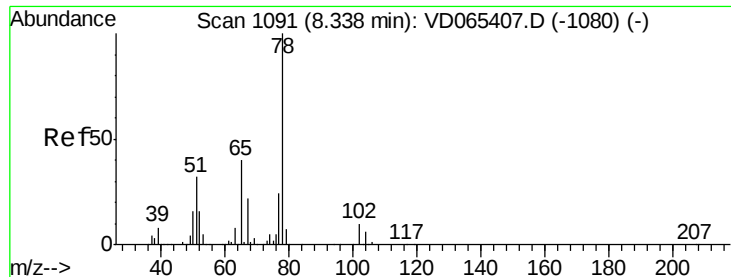
99 64.0 50.9 76.3

61 41.7 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 44.911 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

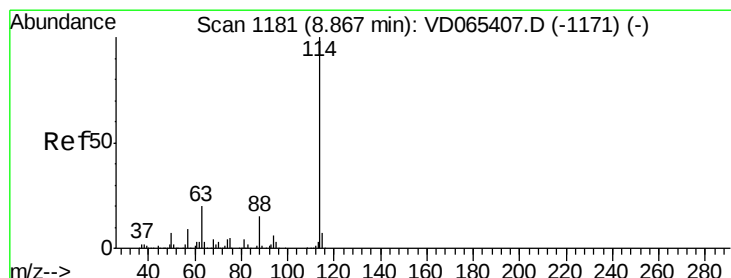
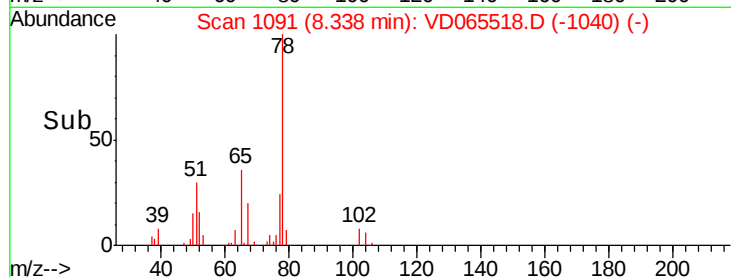
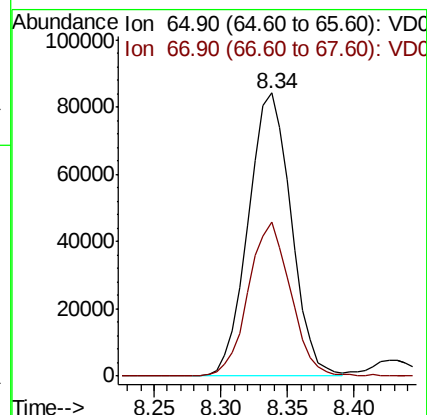
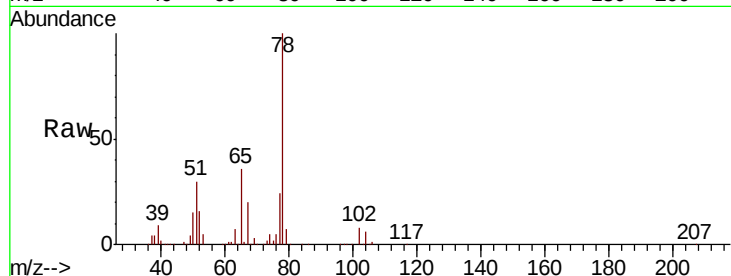
ClientSampleId :

Tot Ion: 65 Resp: 187266

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

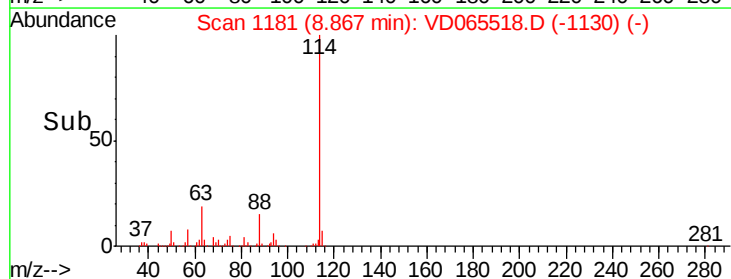
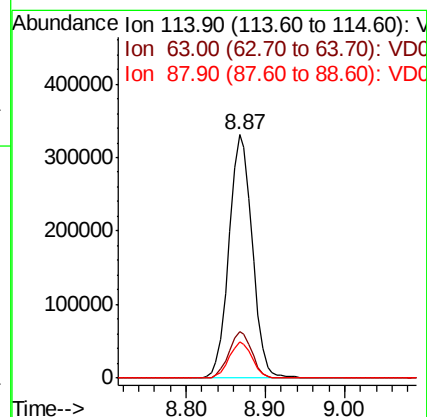
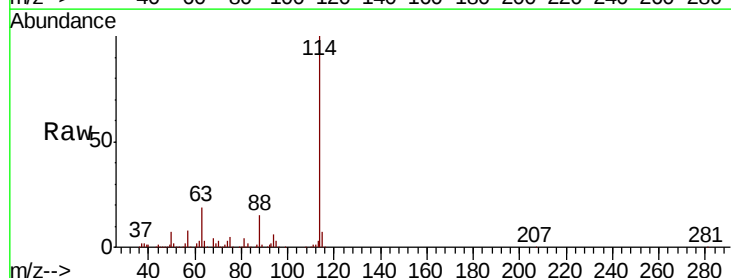
Tgt Ion: 114 Resp: 671735

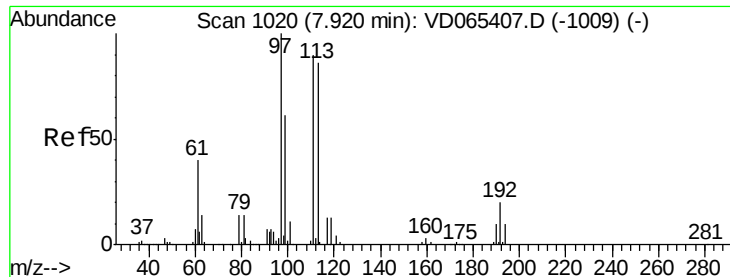
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.0 0.0 30.4

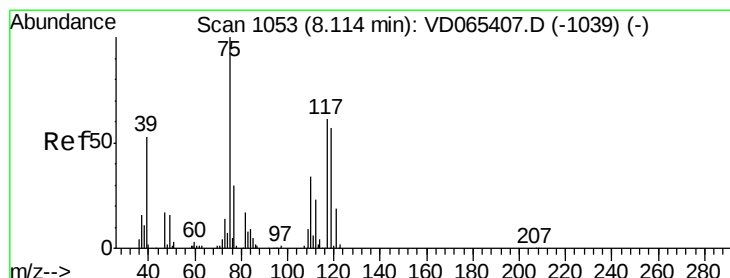
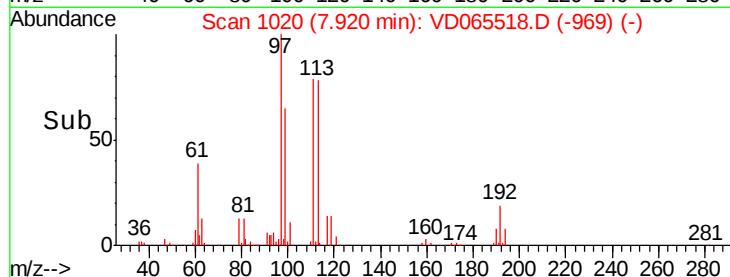
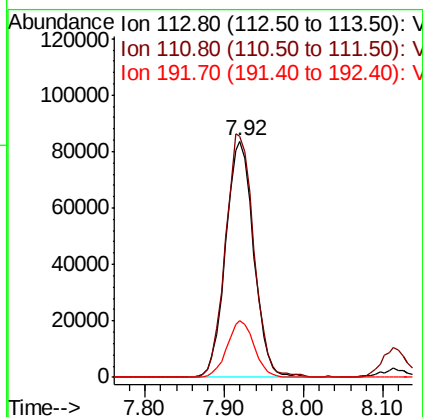
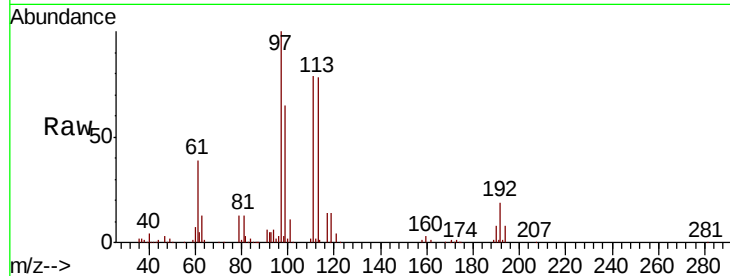




#35
 Dibromofluoromethane
 Concen: 49.209 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

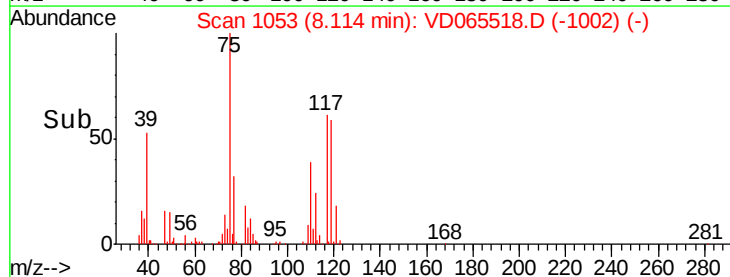
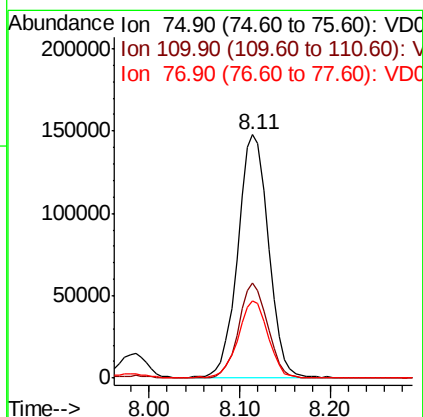
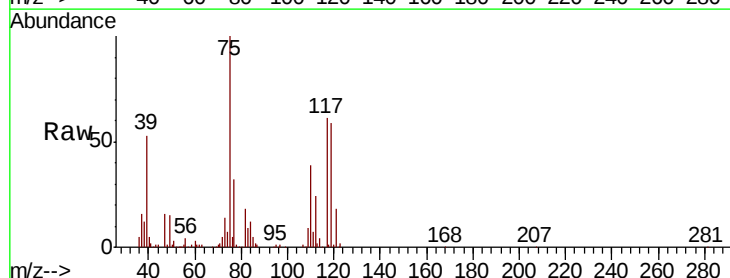
Instrument :
 MSVOA_D
 ClientSampleId :

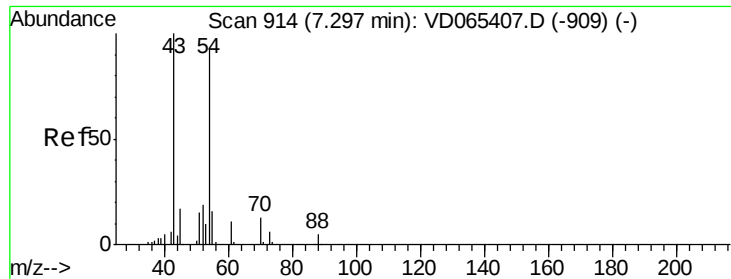
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.1	123.1
192	23.0	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 54.025 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.1	54.1
77	31.2	25.2	37.8

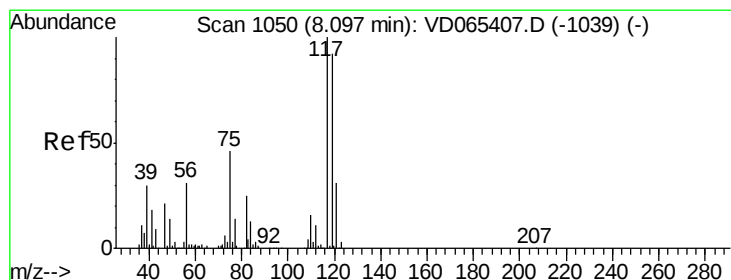
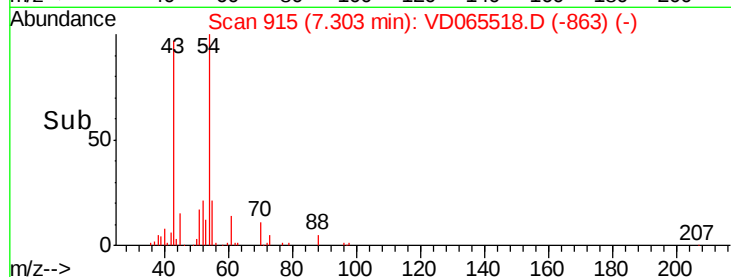
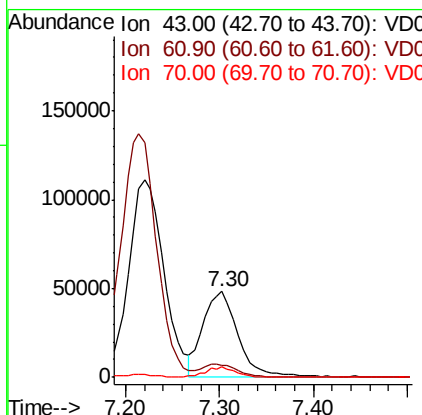
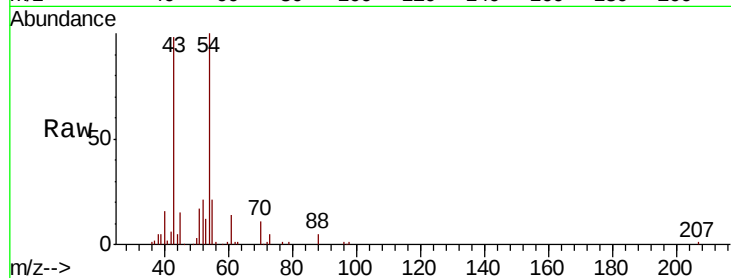




#37
Ethyl Acetate
Concen: 49.924 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

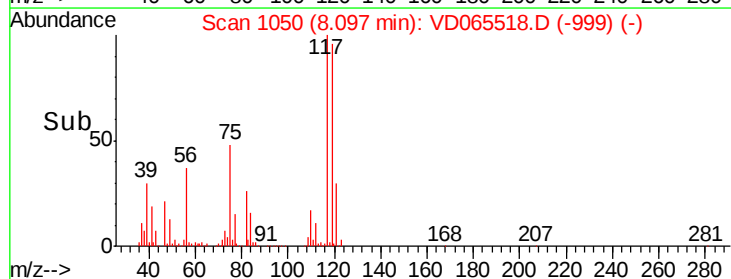
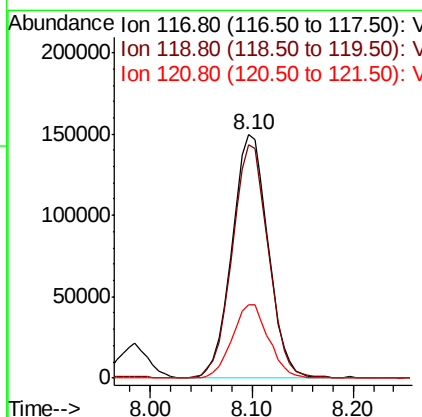
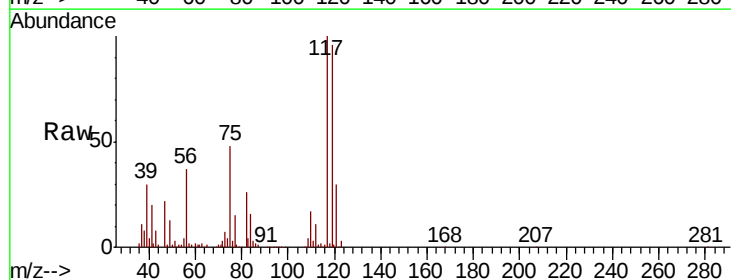
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 124249
Ion Ratio Lower Upper
43 100
61 14.7 11.4 17.0
70 10.6 9.0 13.4



#38
Carbon Tetrachloride
Concen: 55.162 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion: 117 Resp: 368322
Ion Ratio Lower Upper
117 100
119 95.6 73.3 109.9
121 30.3 25.0 37.4

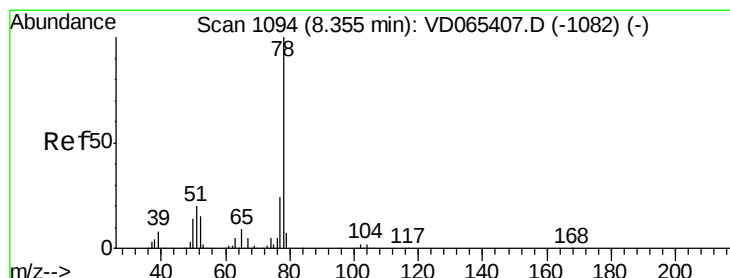
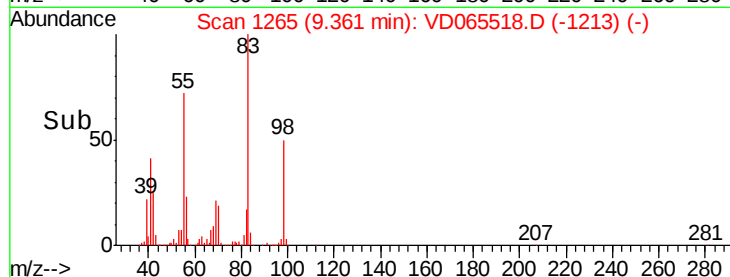
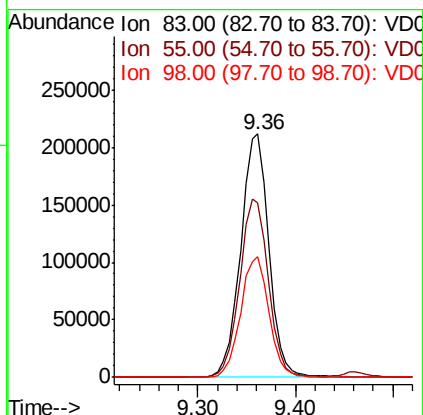
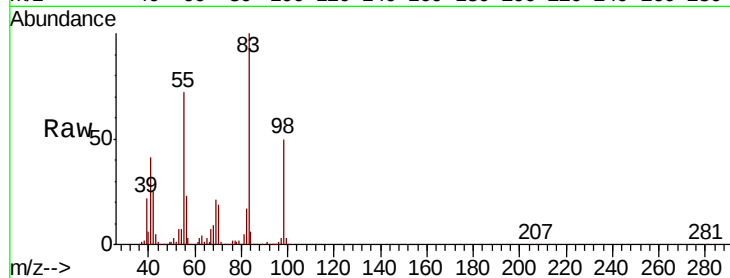




#39
Methylvlcvclohexane
Concen: 54.932 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

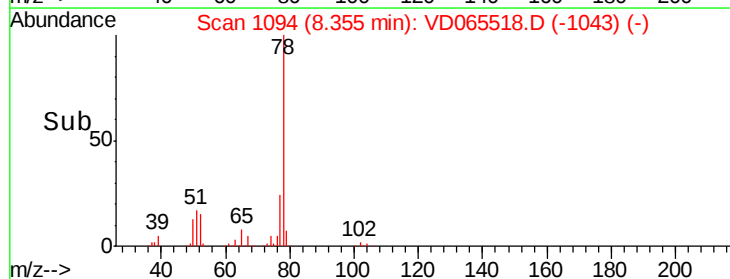
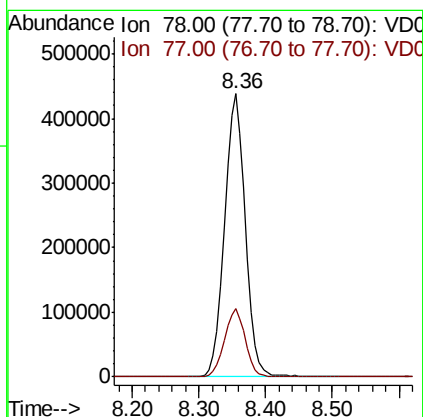
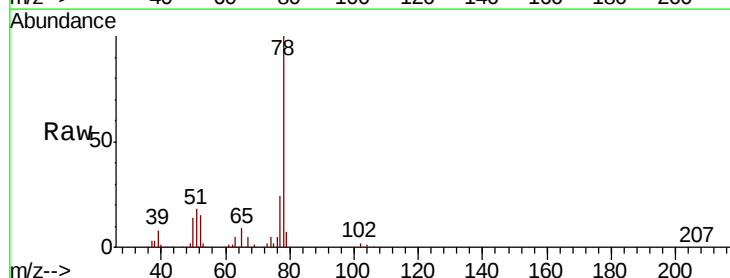
Instrument :
MSVOA_D
ClientSampleId :

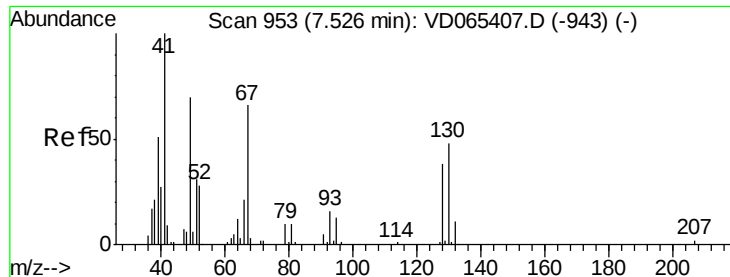
Tot Ion: 83 Resp: 427202
Ion Ratio Lower Upper
83 100
55 71.9 57.1 85.7
98 49.5 37.8 56.8



#40
Benzene
Concen: 53.480 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion: 78 Resp: 962814
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.0

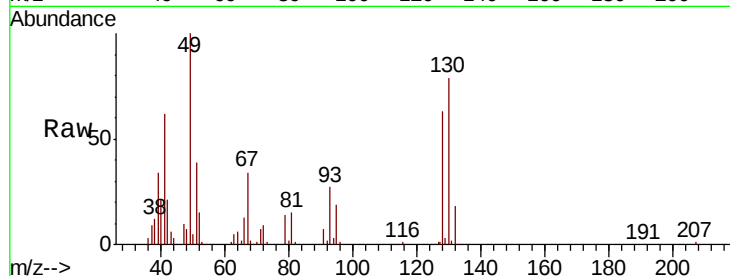




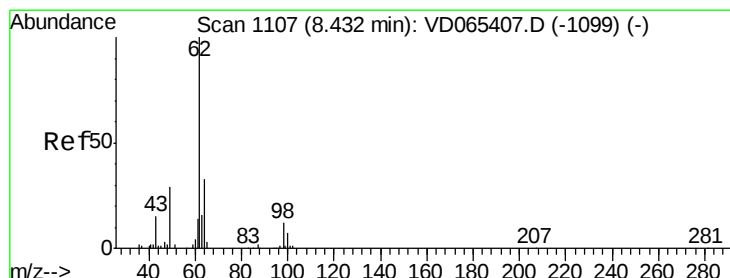
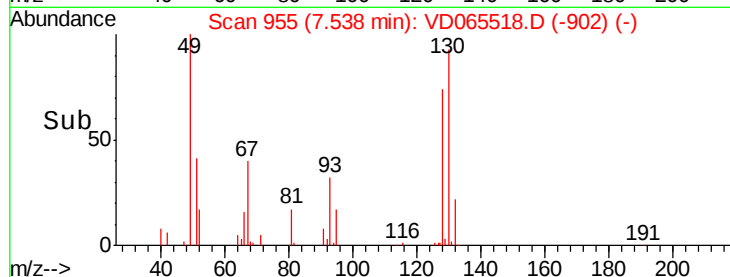
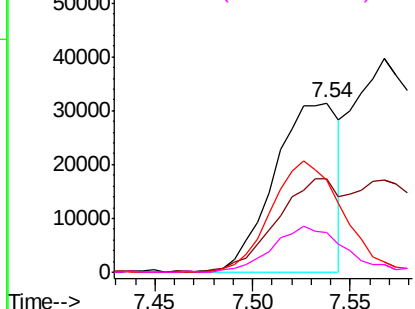
#41
Methacrylonitrile
Concen: 54.914 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 72277
Ion Ratio Lower Upper
41 100
39 59.6 55.0 82.6
67 72.8 70.3 105.5
52 31.2 30.7 46.1

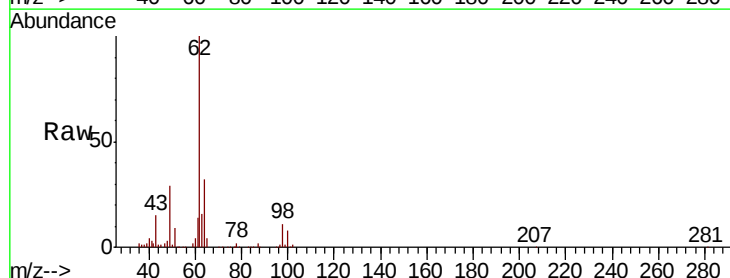


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

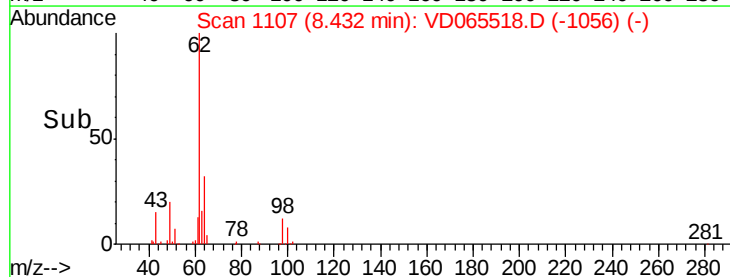
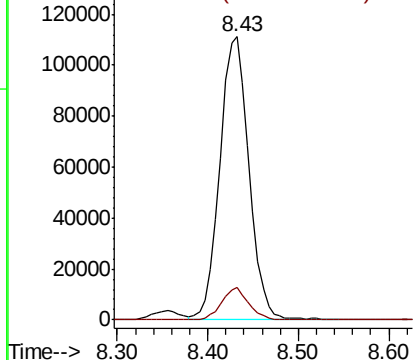


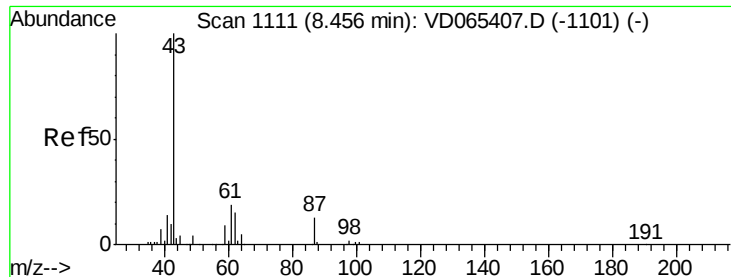
#42
1,2-Dichloroethane
Concen: 52.505 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion: 62 Resp: 246830
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC

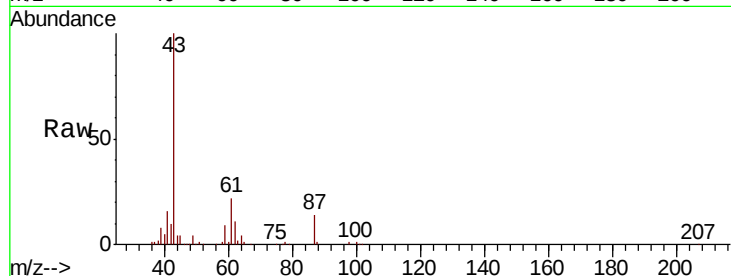




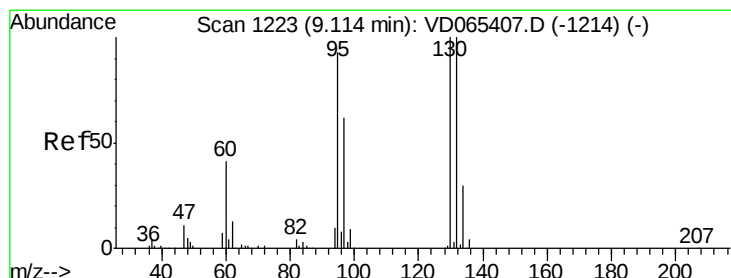
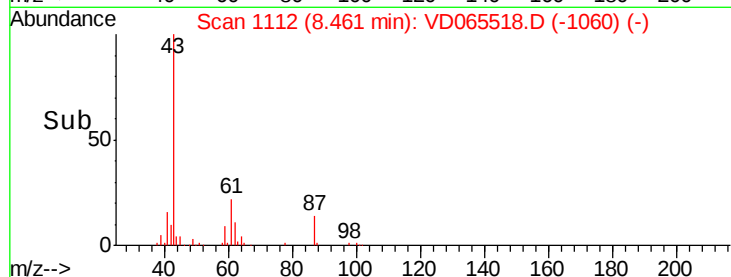
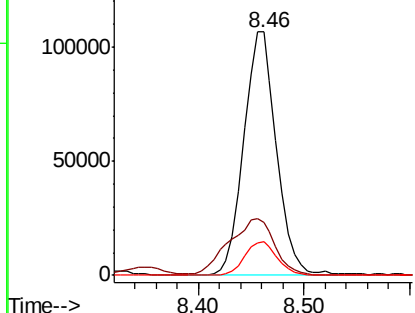
#43
Isopropyl Acetate
Concen: 50.054 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 230018
Ion Ratio Lower Upper
43 100
61 31.7 25.0 37.6
87 13.8 11.0 16.4

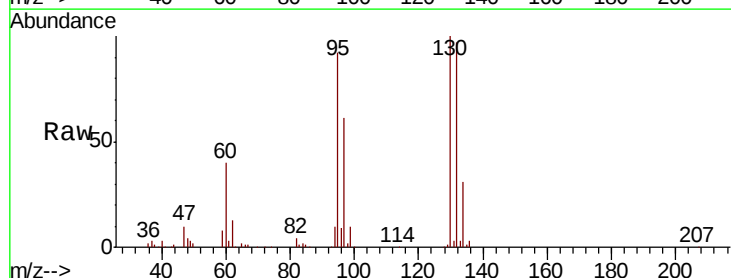


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

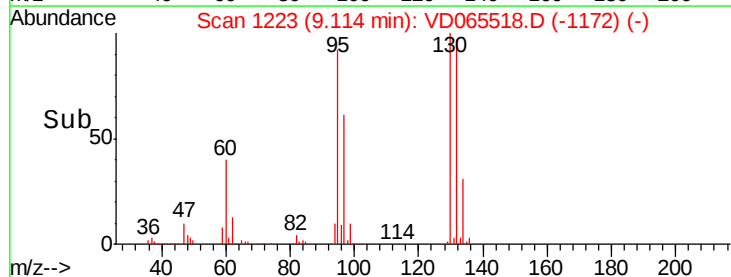
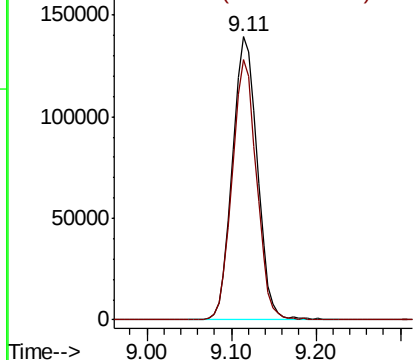


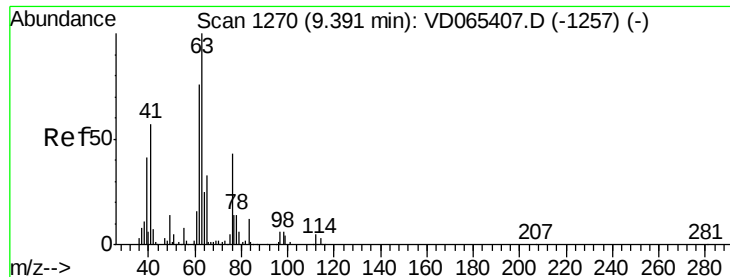
#44
Trichloroethene
Concen: 55.489 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion:130 Resp: 282119
Ion Ratio Lower Upper
130 100
95 92.1 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.799 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

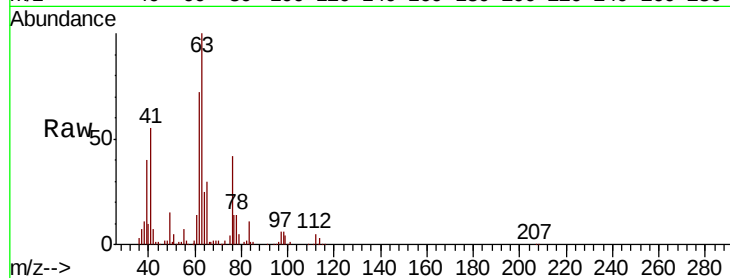
ClientSampleId :

Tot Ion: 63 Resp: 234615

Ion Ratio Lower Upper

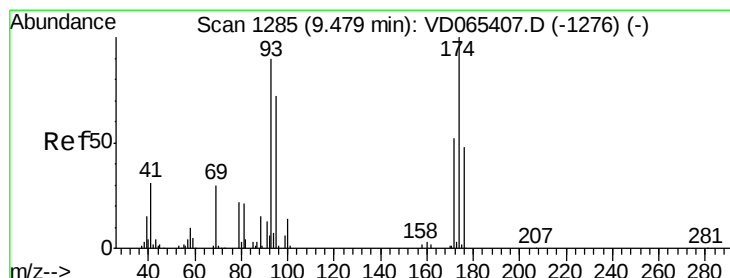
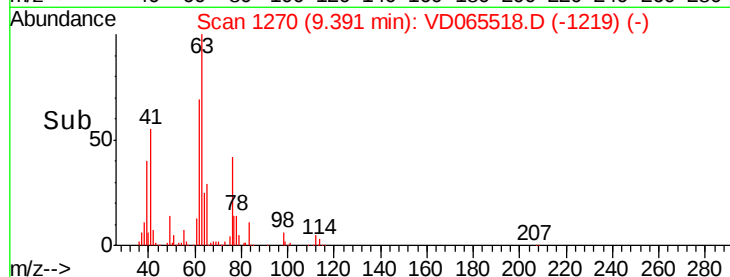
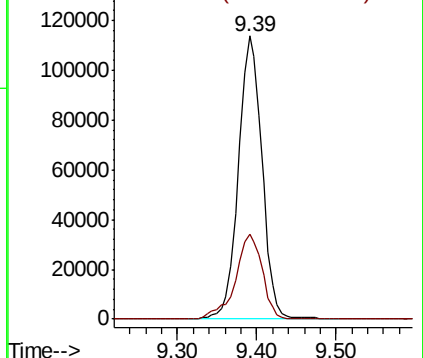
63 100

65 29.8 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 53.383 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

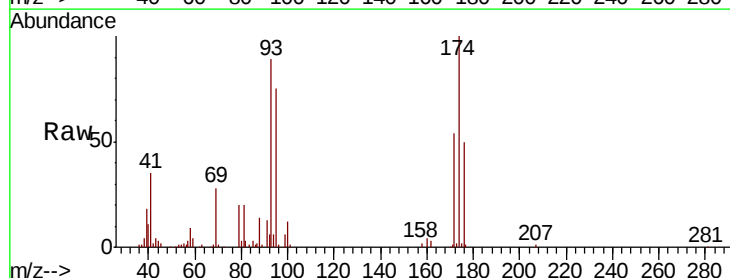
Tgt Ion: 93 Resp: 120756

Ion Ratio Lower Upper

93 100

95 81.9 65.0 97.6

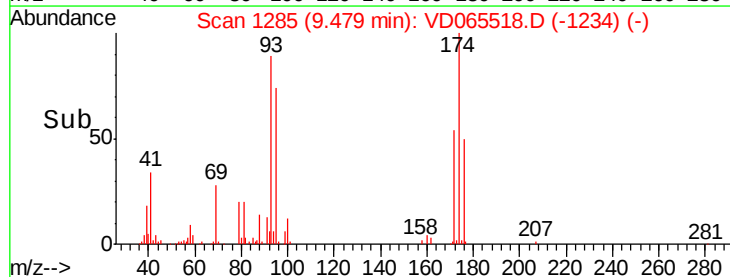
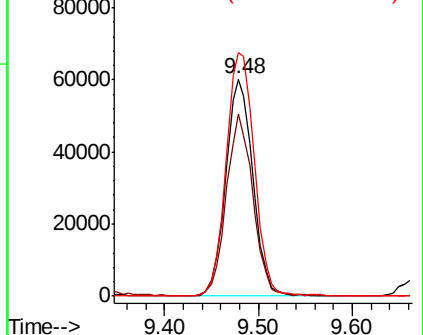
174 116.2 88.3 132.5

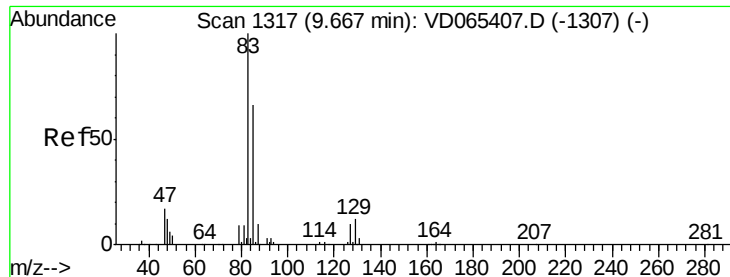


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.136 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

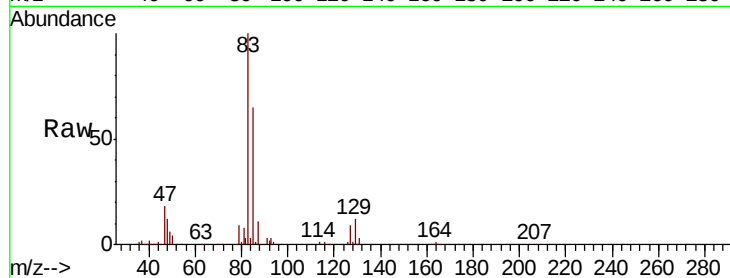
Tot Ion: 83 Resp: 318583

Ion Ratio Lower Upper

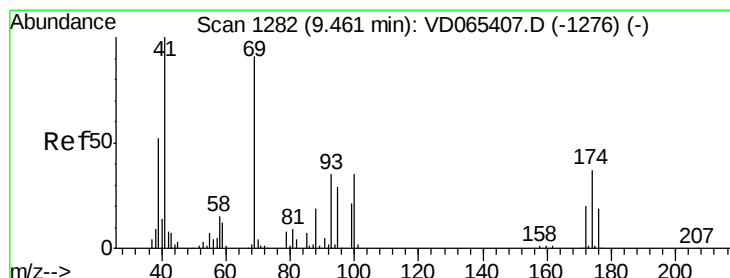
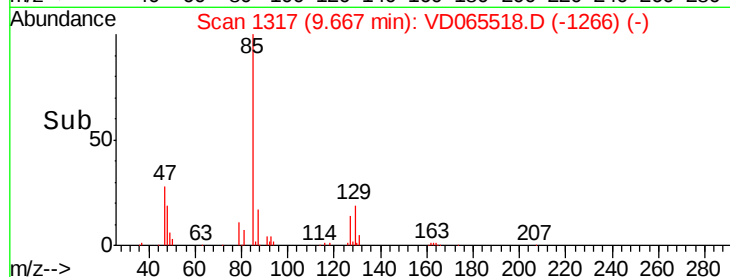
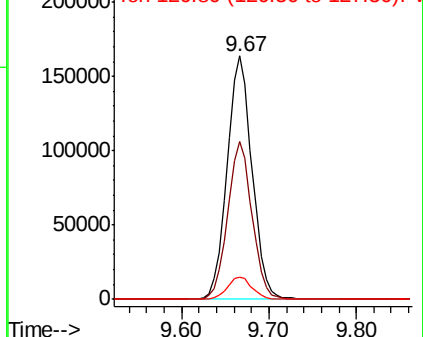
83 100

85 64.6 52.8 79.2

127 9.3 8.0 12.0



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: 56.715 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

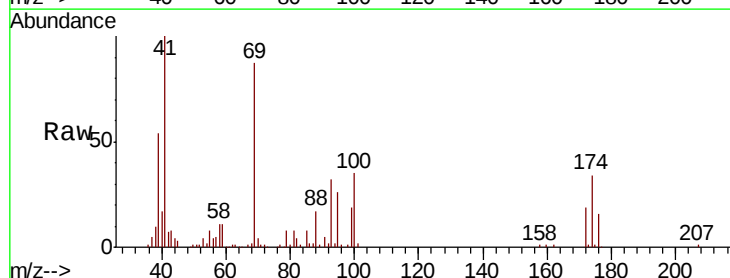
Tgt Ion: 41 Resp: 122596

Ion Ratio Lower Upper

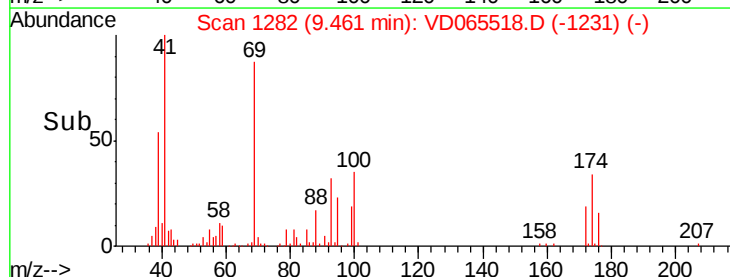
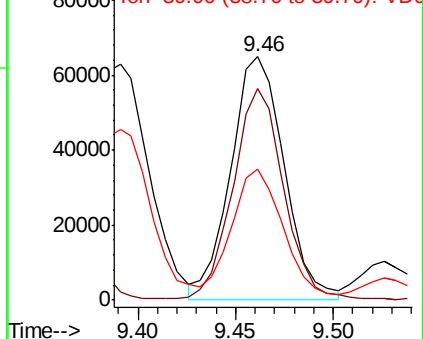
41 100

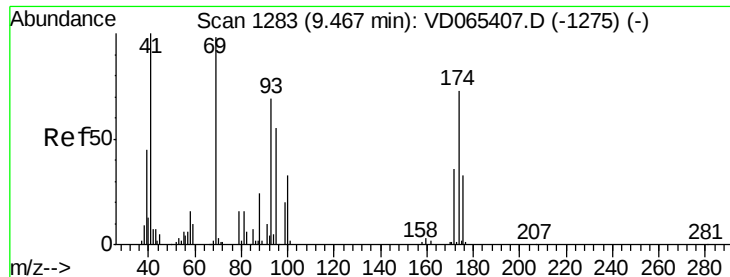
69 82.3 72.5 108.7

39 48.0 41.6 62.4



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

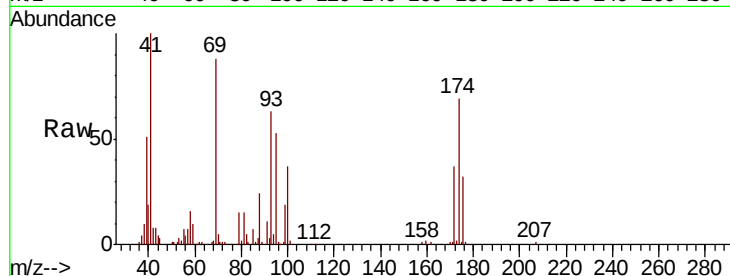




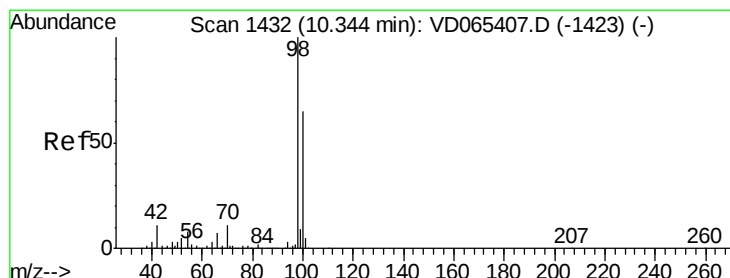
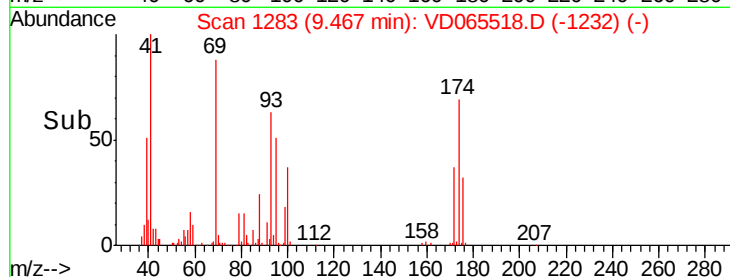
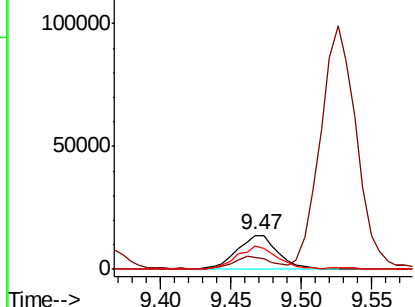
#49
1,4-Dioxane
Concen: 1093.388 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 28291
Ion Ratio Lower Upper
88 100
43 34.4 24.5 36.7
58 67.5 54.5 81.7

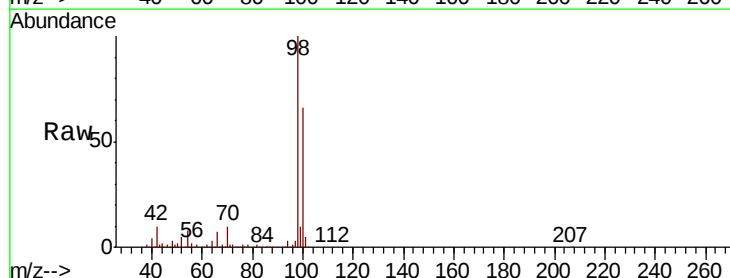


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

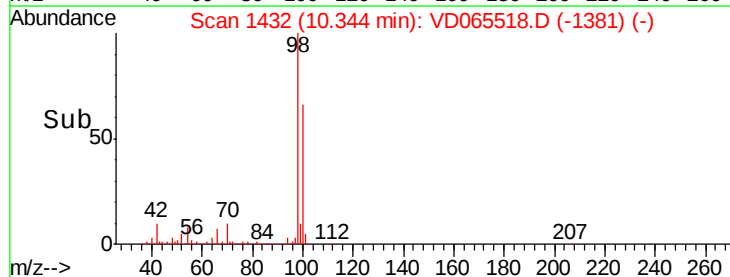
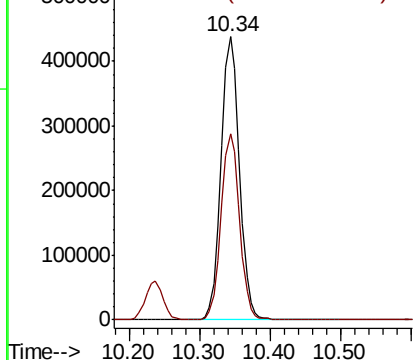


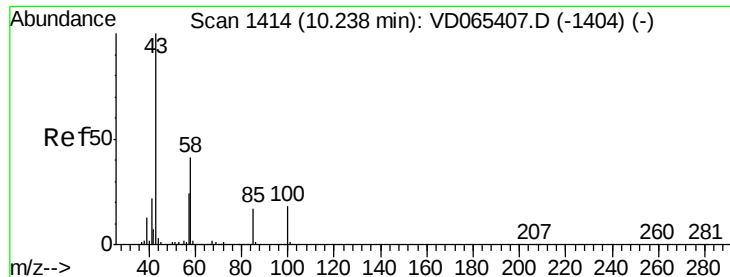
#50
Toluene-d8
Concen: 49.989 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion: 98 Resp: 796646
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



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

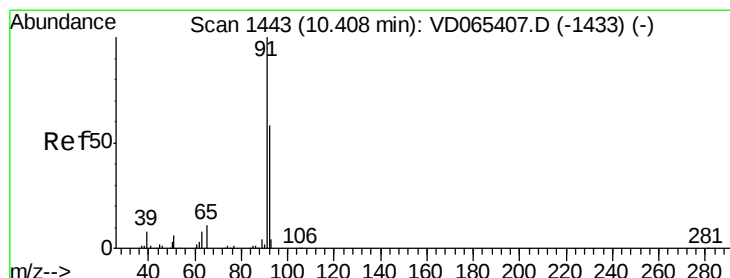
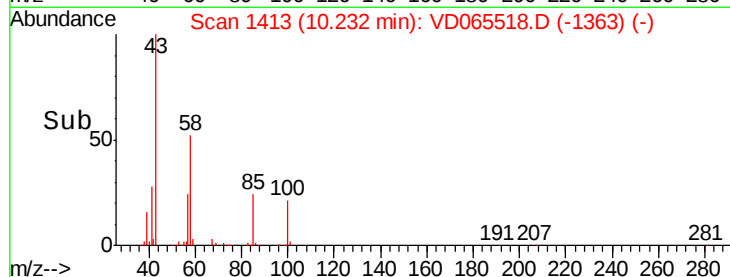
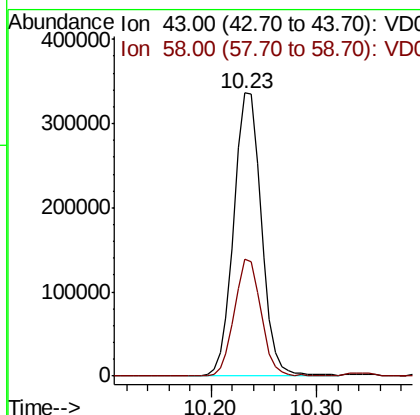
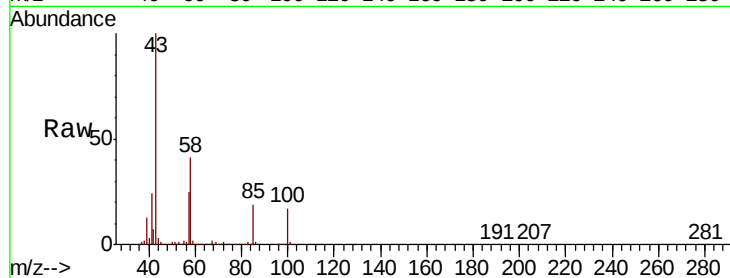




#51
 4-Methyl-2-Pentanone
 Concen: 263.392 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

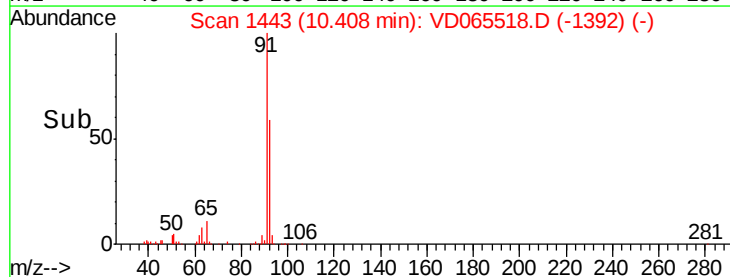
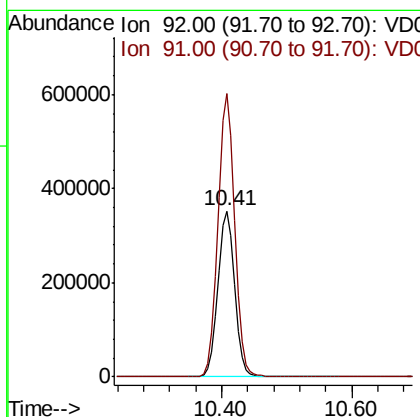
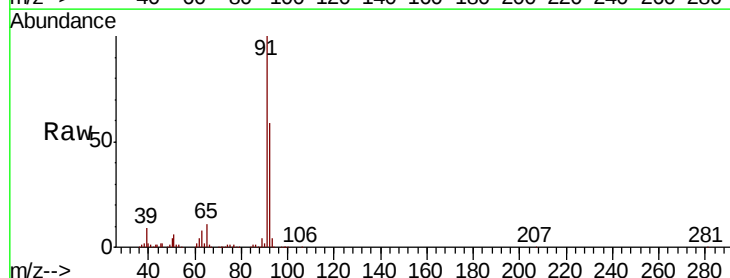
Instrument :
 MSVOA_D
 ClientSampleID :

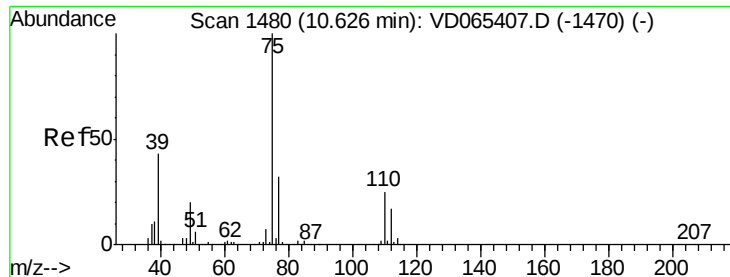
Tot Ion: 43 Resp: 609091
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.8 47.6



#52
 Toluene
 Concen: 55.546 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Tgt Ion: 92 Resp: 629966
 Ion Ratio Lower Upper
 92 100
 91 169.9 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 54.315 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

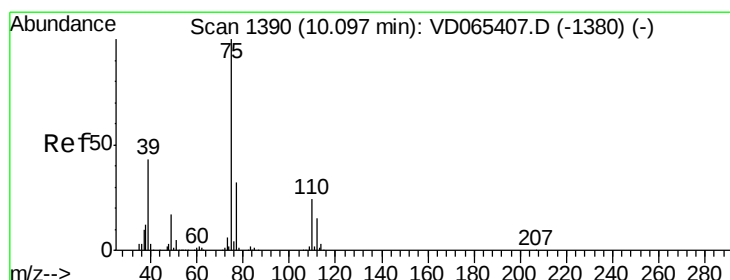
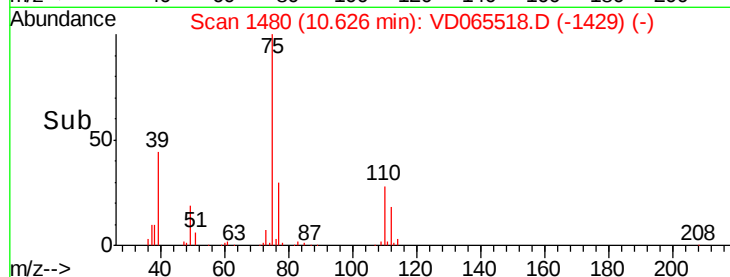
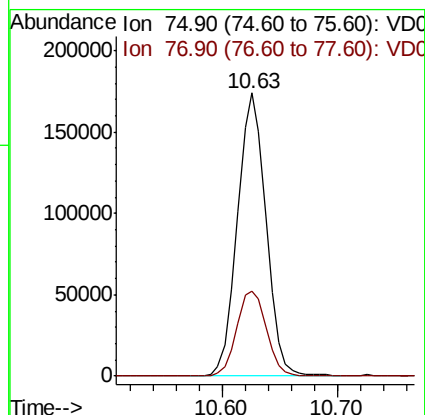
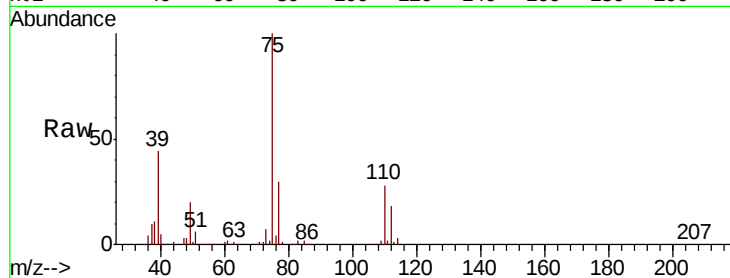
ClientSampleId :

Tot Ion: 75 Resp: 298704

Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 54.920 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

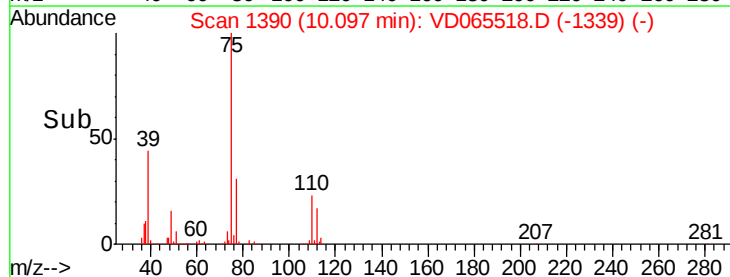
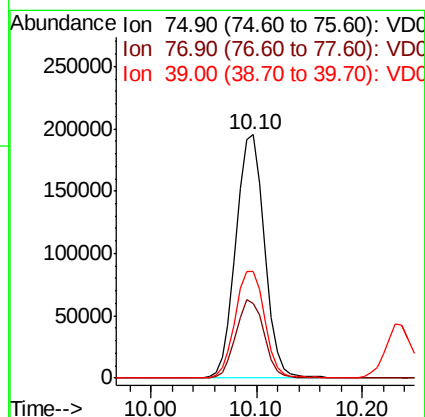
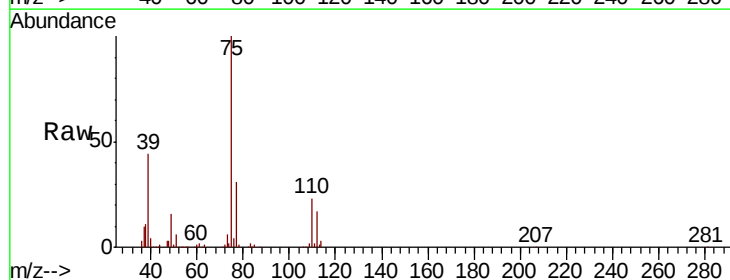
Tgt Ion: 75 Resp: 365587

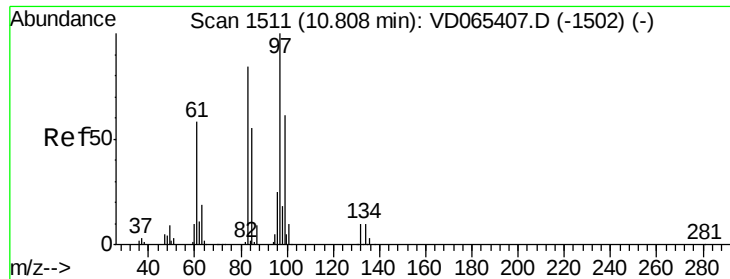
Ion Ratio Lower Upper

75 100

77 30.7 25.3 37.9

39 43.9 34.6 52.0

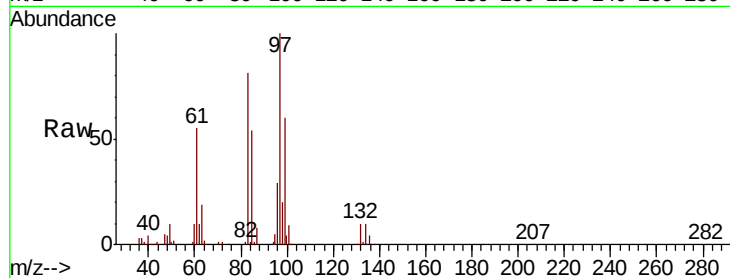




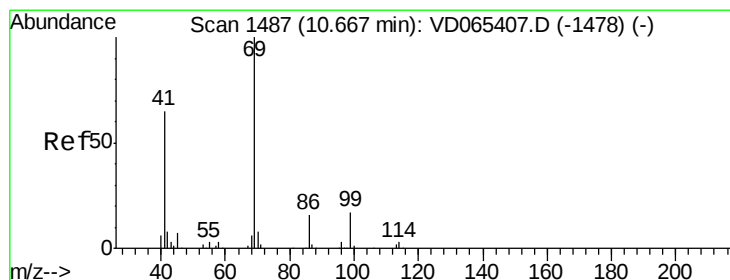
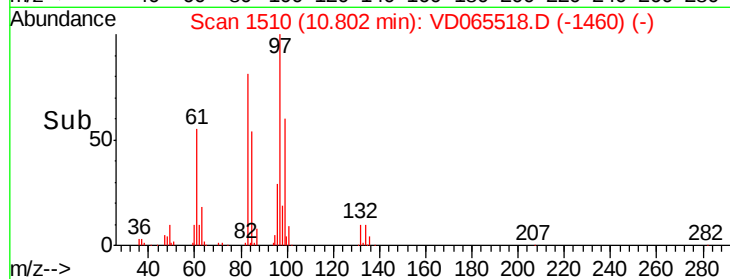
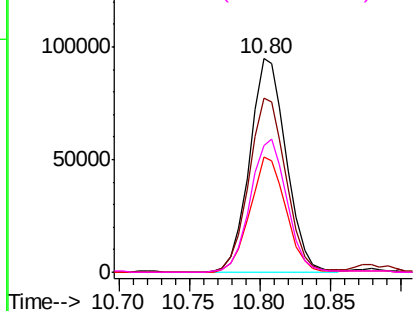
#55
 1,1,2-Trichloroethane
 Concen: 53.943 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:	97	Resp:	172825
Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.4	101.0
85	53.9	43.8	65.8
99	59.6	48.8	73.2

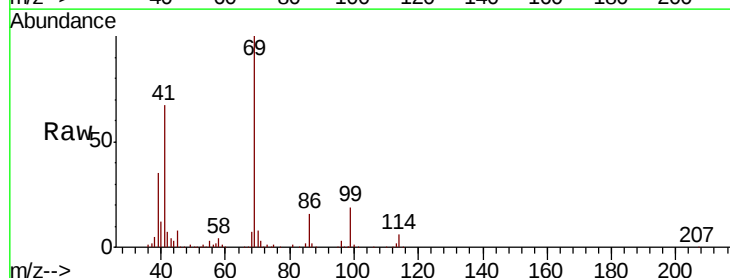


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

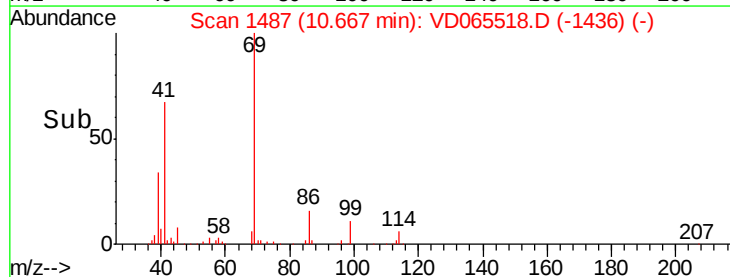
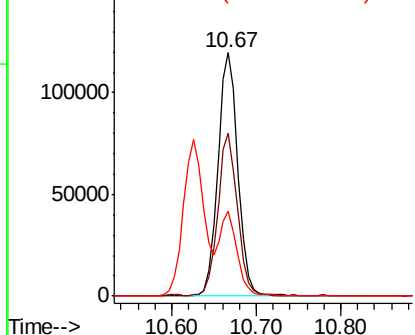


#56
 Ethyl methacrylate
 Concen: 54.660 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Tgt Ion:	69	Resp:	197421
Ion	Ratio	Lower	Upper
69	100		
41	64.9	53.0	79.6
39	31.0	26.0	39.0



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: 52.908 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

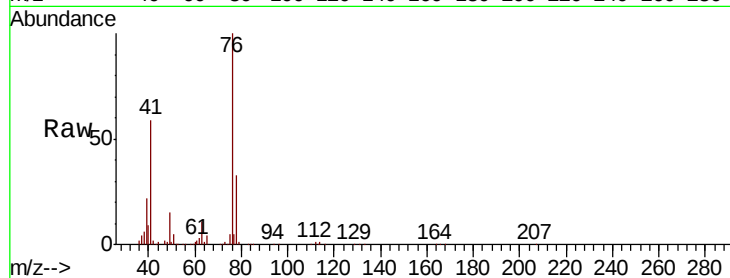
ClientSampleId :

Tot Ion: 76 Resp: 286805

Ion Ratio Lower Upper

76 100

78 32.6 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

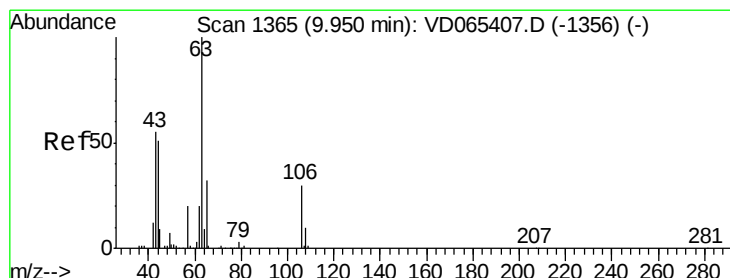
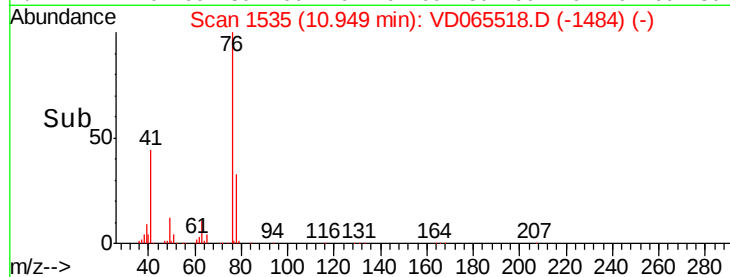
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 230.853 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065518.D

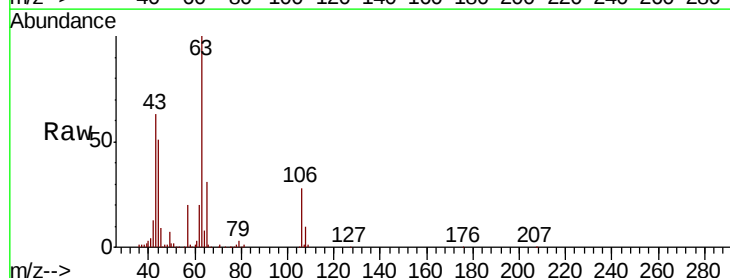
Acq: 24 Mar 2020 13:45

Tgt Ion: 63 Resp: 260409

Ion Ratio Lower Upper

63 100

106 29.8 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

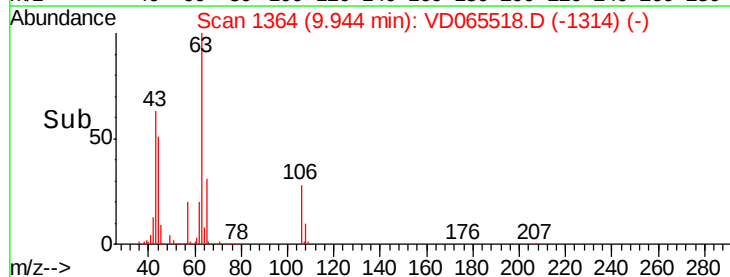
150000

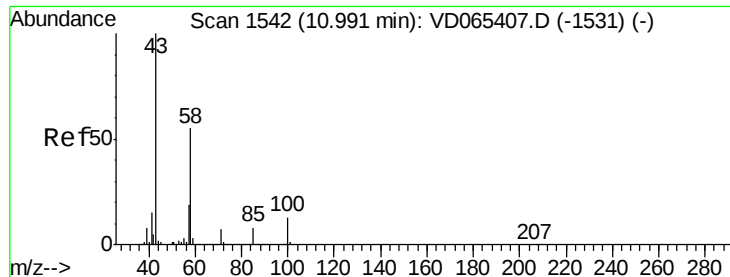
100000

50000

0

Time-->

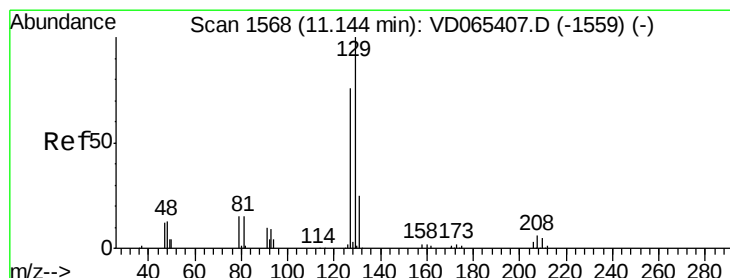
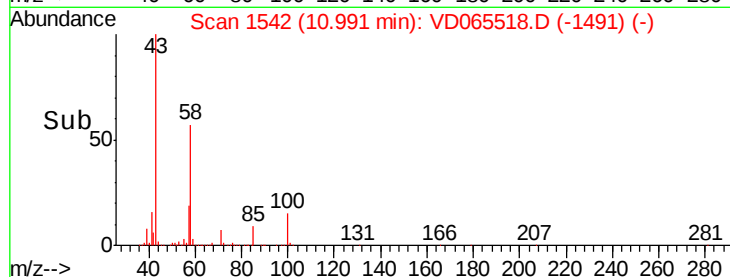
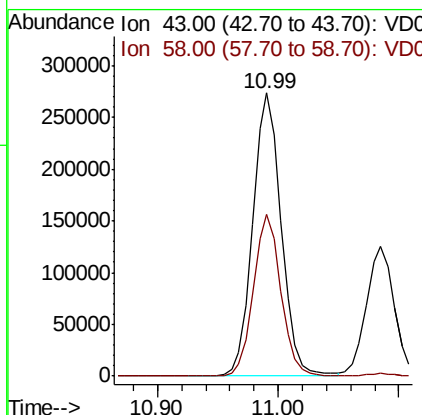
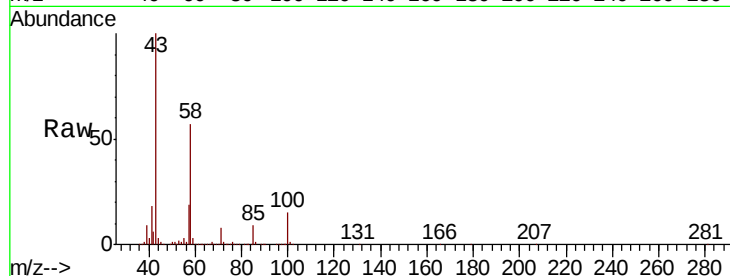




#59
2-Hexanone
Concen: 281.376 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

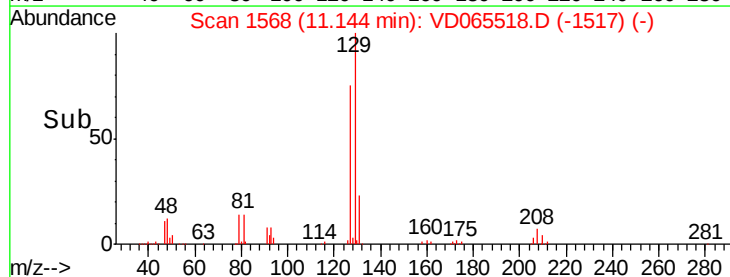
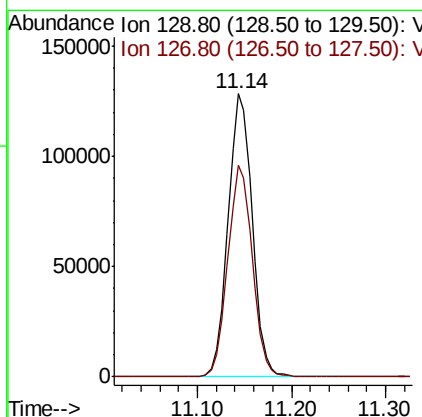
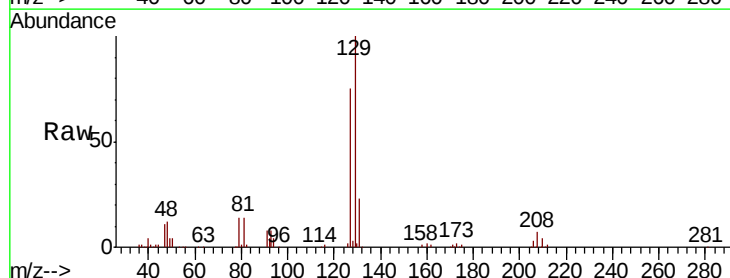
Instrument :
MSVOA_D
ClientSampleId :

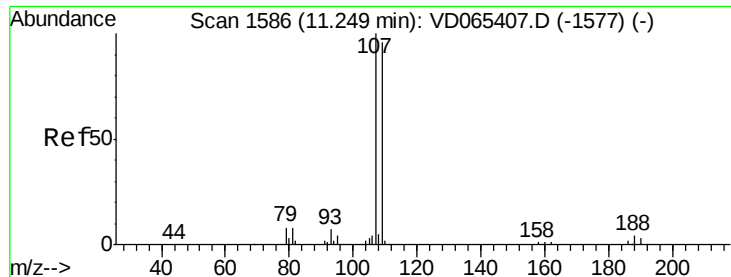
Tot Ion: 43 Resp: 450426
Ion Ratio Lower Upper
43 100
58 55.0 27.4 82.2



#60
Dibromochloromethane
Concen: 55.949 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion: 129 Resp: 229772
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5

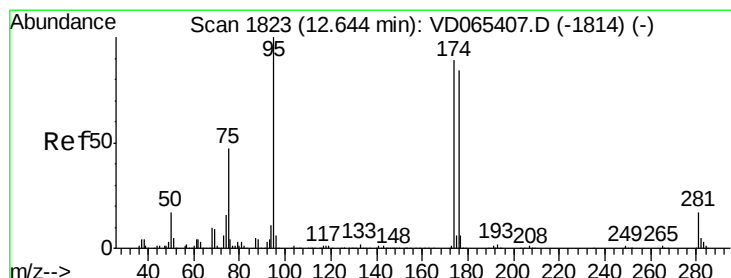
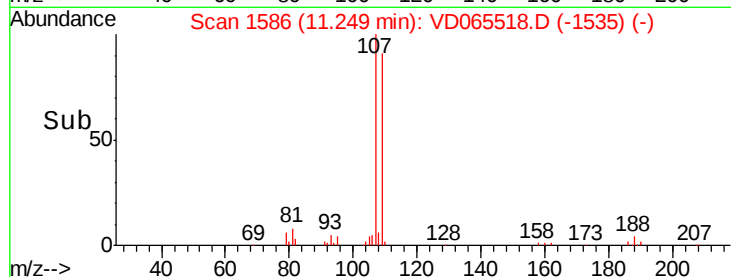
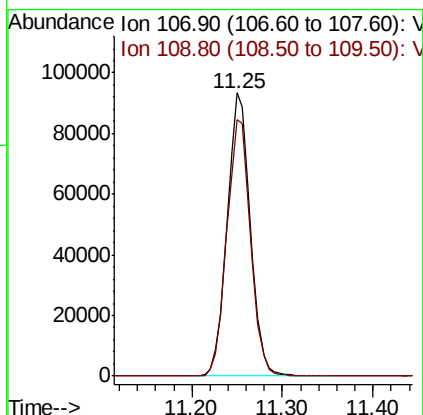
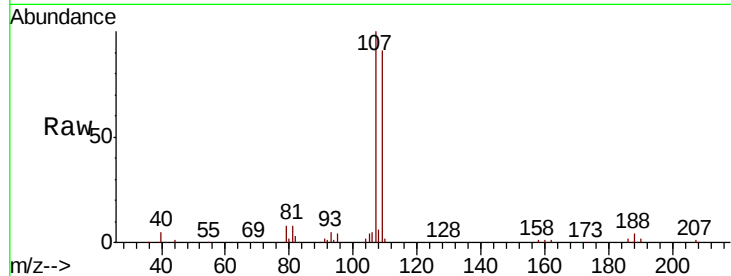




#61
 1,2-Dibromoethane
 Concen: 54.202 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

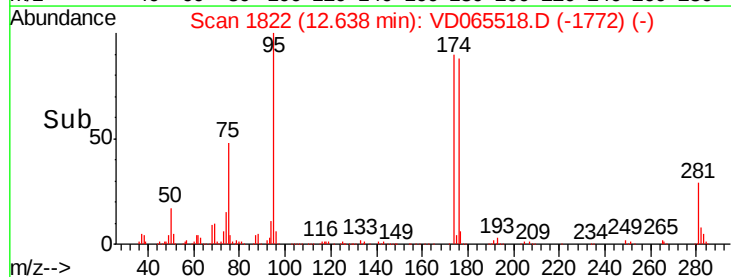
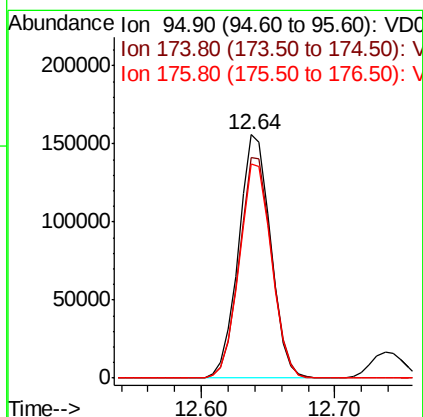
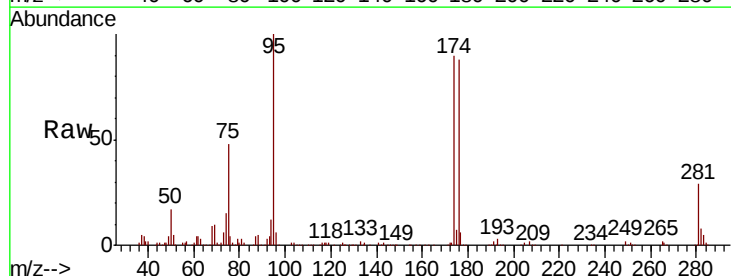
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:107 Resp: 165641
 Ion Ratio Lower Upper
 107 100
 109 93.0 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 52.581 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Tgt Ion: 95 Resp: 258684
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 176.8
 176 88.4 0.0 171.4

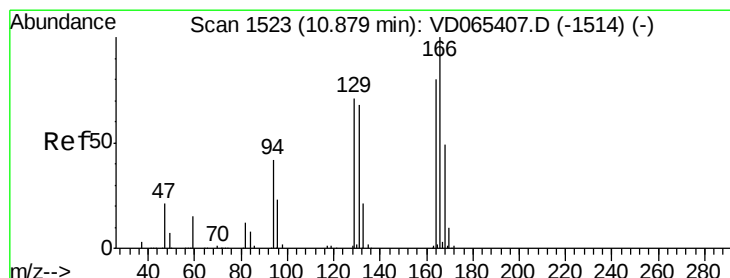
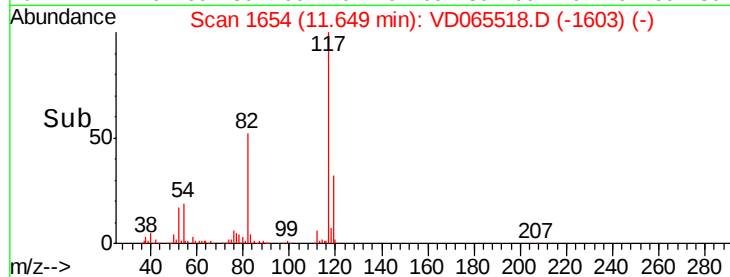
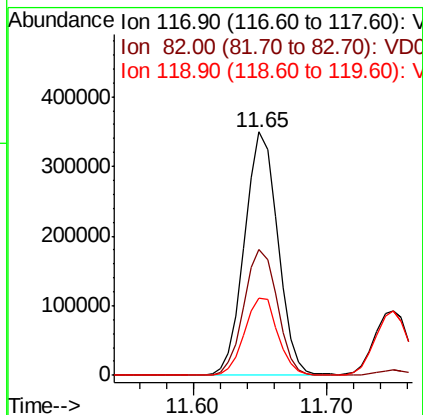
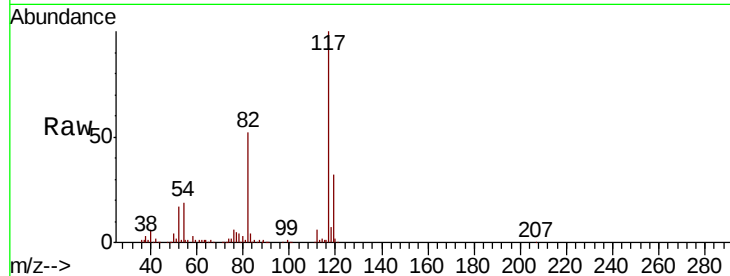




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

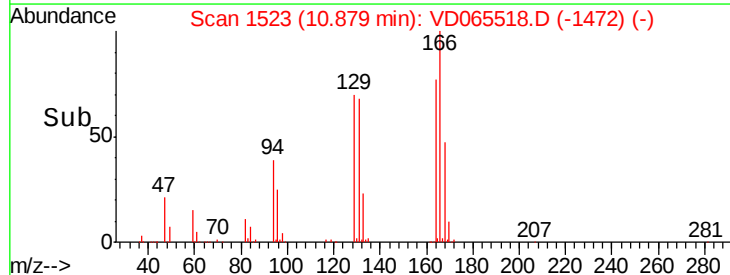
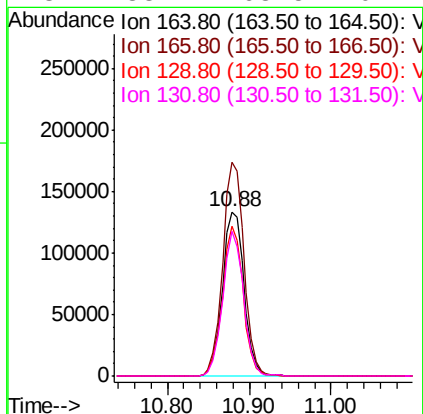
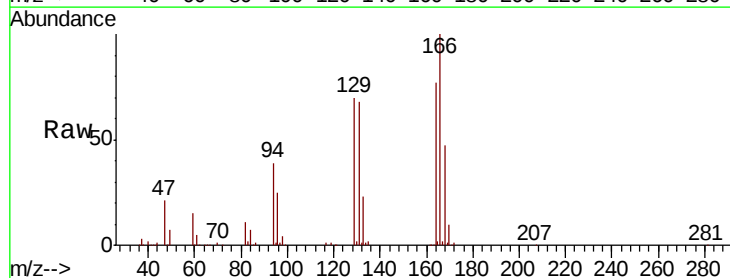
Instrument :
MSVOA_D
ClientSampled :

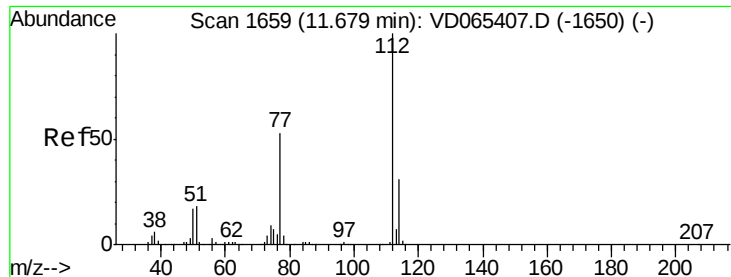
Tot Ion:117 Resp: 601818
Ion Ratio Lower Upper
117 100
82 51.6 40.6 60.8
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 57.089 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion:164 Resp: 246188
Ion Ratio Lower Upper
164 100
166 130.2 100.5 150.7
129 91.3 71.5 107.3
131 88.4 68.5 102.7

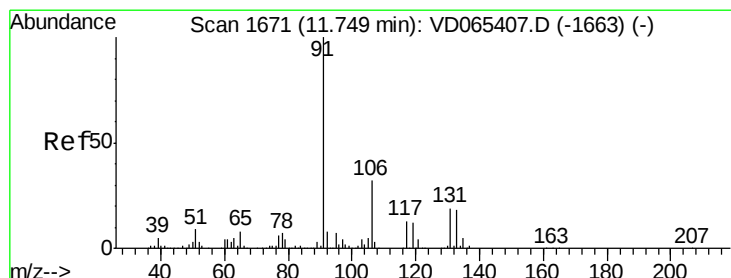
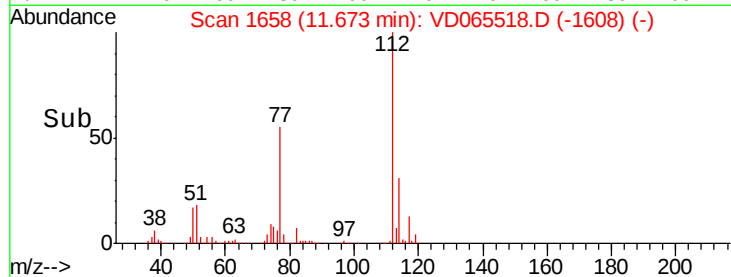
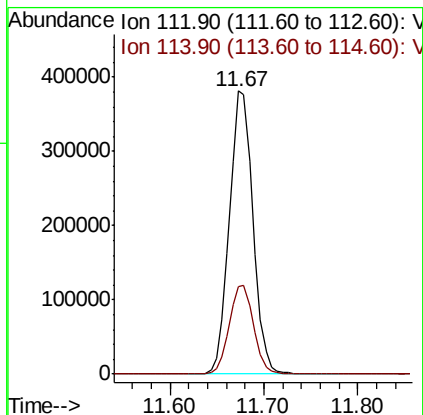
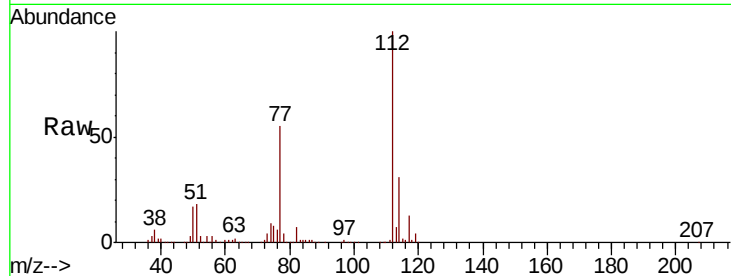




#65
Chlorobenzene
Concen: 55.858 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

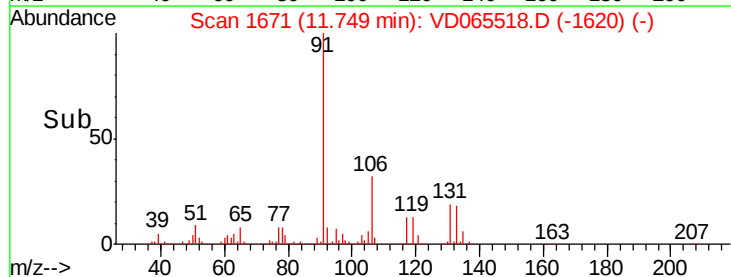
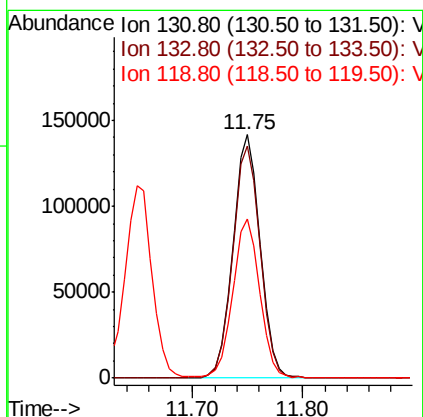
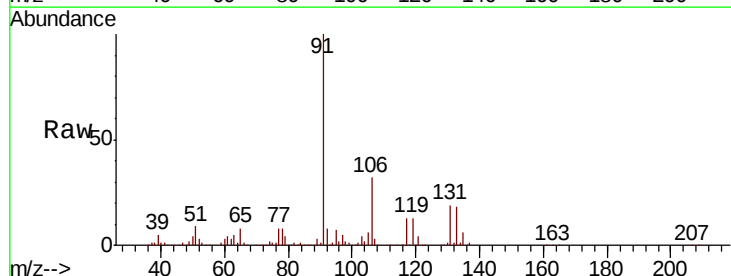
Instrument :
MSVOA_D
ClientSampled :

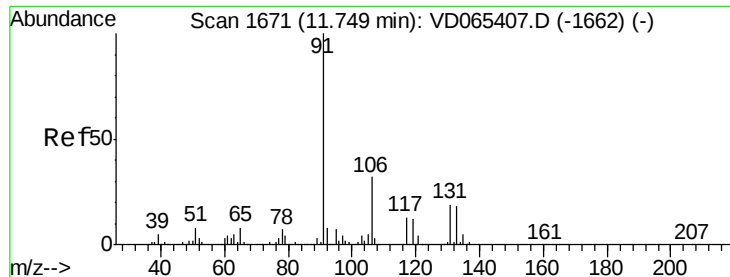
Tot Ion:112 Resp: 665236
Ion Ratio Lower Upper
112 100
114 31.0 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 56.570 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion:131 Resp: 245367
Ion Ratio Lower Upper
131 100
133 96.4 49.2 147.6
119 65.1 33.3 99.8





#67

Ethyl Benzene

Concen: 57.769 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

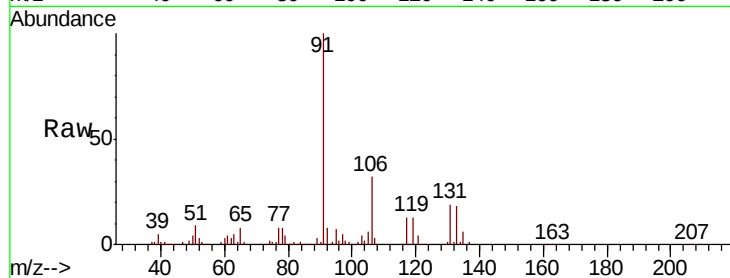
ClientSampleId :

Tot Ion: 91 Resp: 1188756

Ion Ratio Lower Upper

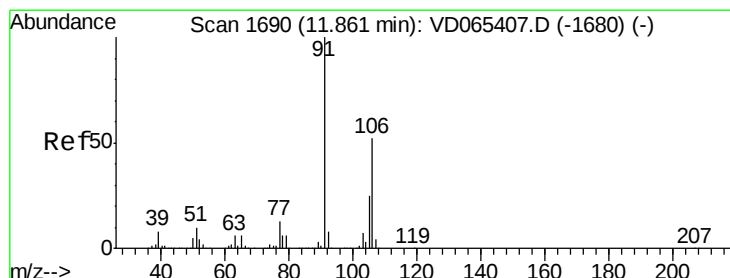
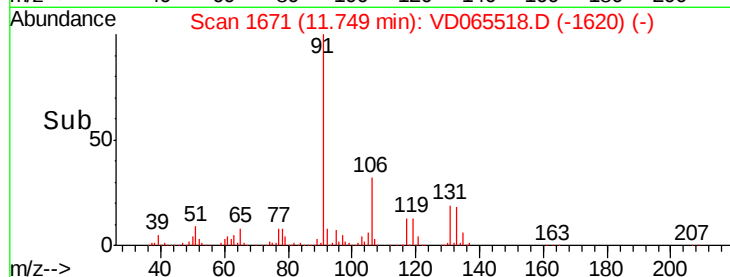
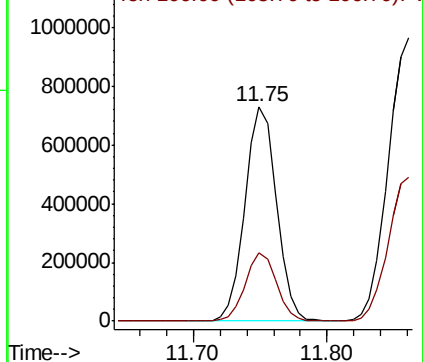
91 100

106 32.0 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 116.420 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065518.D

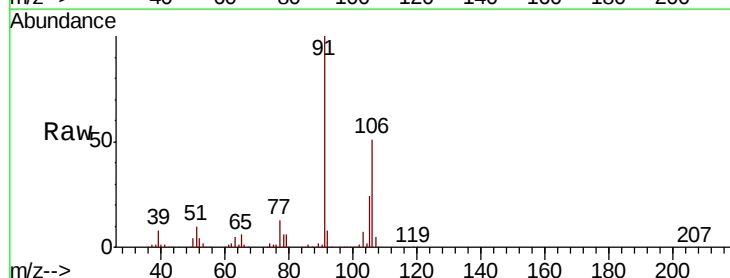
Acq: 24 Mar 2020 13:45

Tgt Ion: 106 Resp: 923743

Ion Ratio Lower Upper

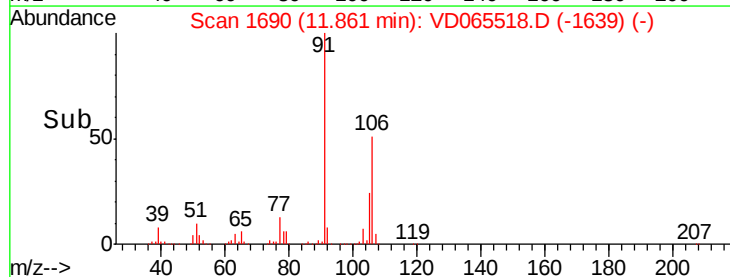
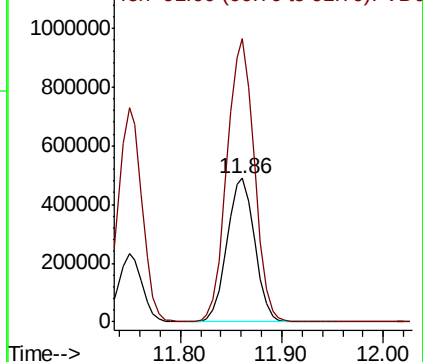
106 100

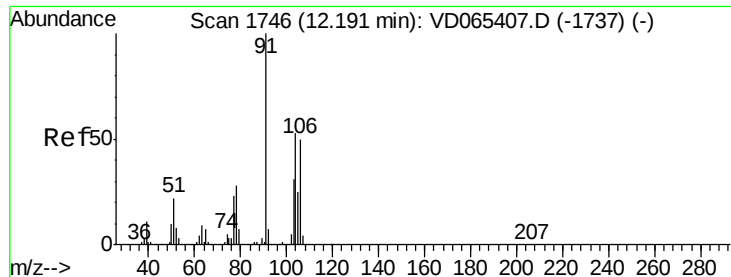
91 195.3 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

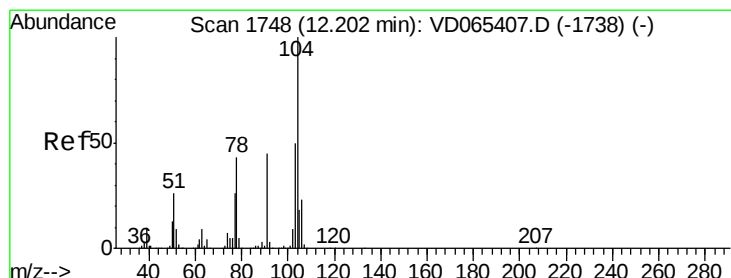
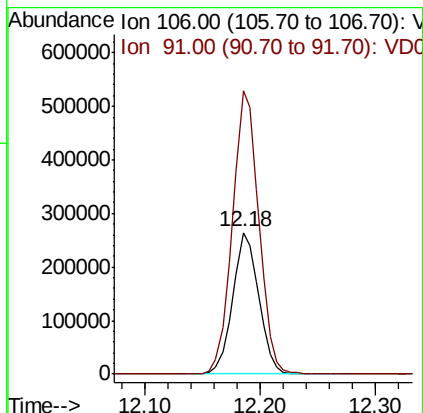
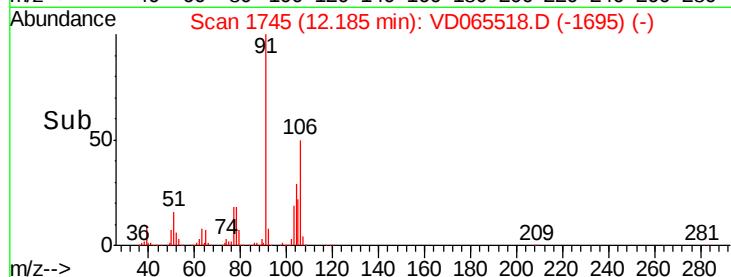
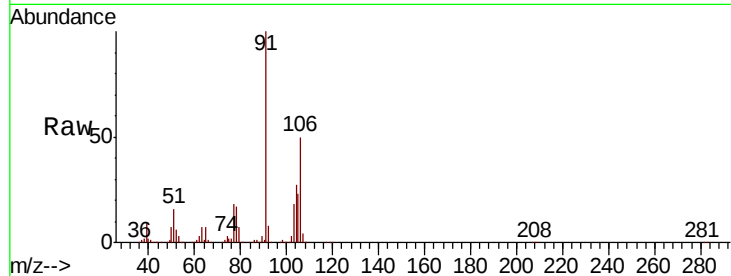




#69
o-Xylene
Concen: 58.922 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

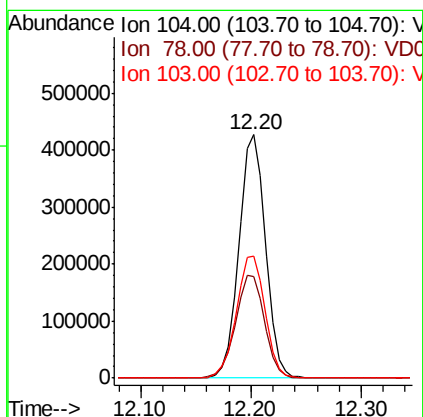
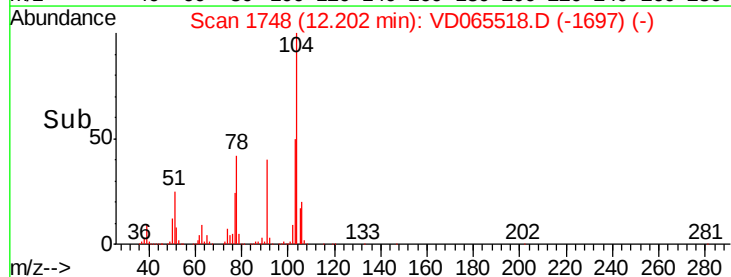
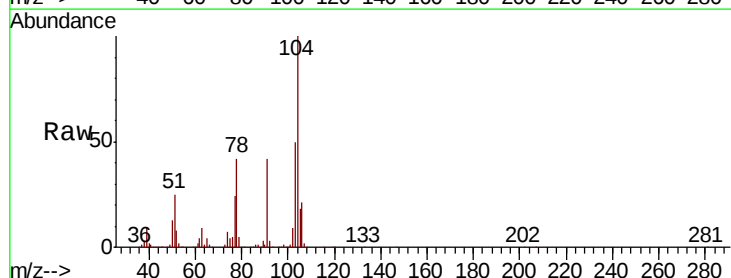
Instrument :
MSVOA_D
ClientSampleId :

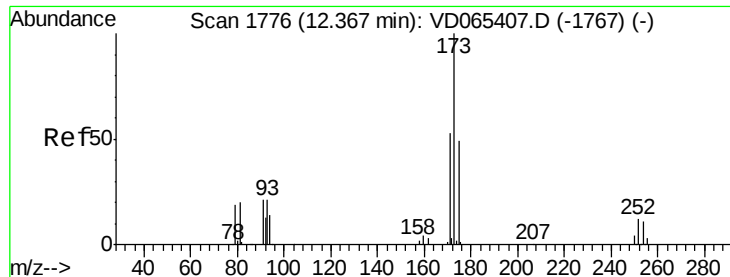
Tot Ion:106 Resp: 411250
Ion Ratio Lower Upper
106 100
91 203.5 103.5 310.3



#70
Styrene
Concen: 58.832 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion:104 Resp: 722673
Ion Ratio Lower Upper
104 100
78 46.0 37.7 56.5
103 54.3 43.6 65.4





#71

Bromoform

Concen: 55.894 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampled :

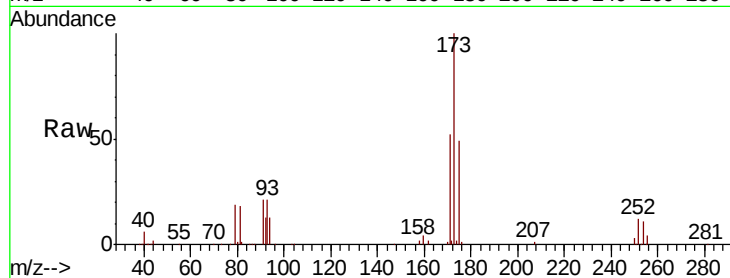
Tot Ion:173 Resp: 136175

Ion Ratio Lower Upper

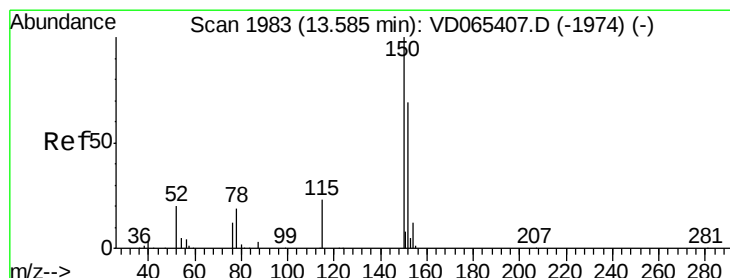
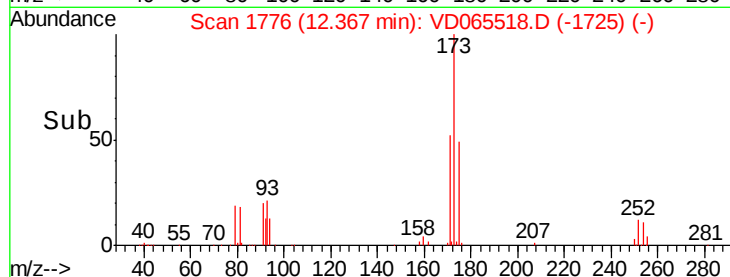
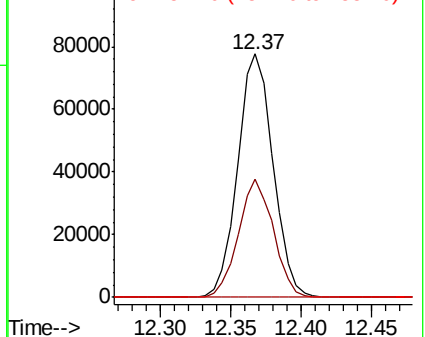
173 100

175 48.1 24.3 73.0

254 0.1 0.1 0.1



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: VD065518.D

Acq: 24 Mar 2020 13:45

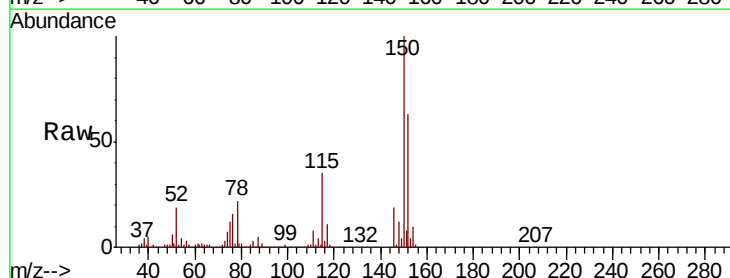
Tgt Ion:152 Resp: 304910

Ion Ratio Lower Upper

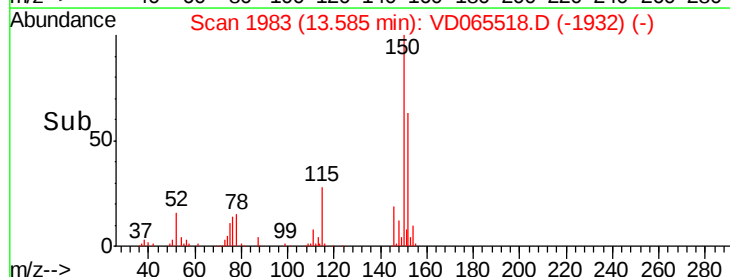
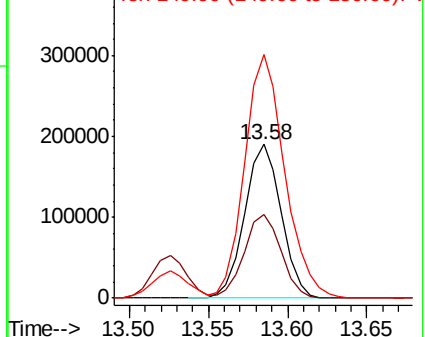
152 100

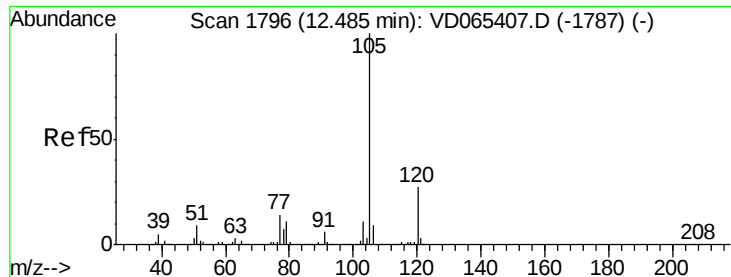
115 54.7 27.6 82.8

150 173.5 0.0 345.0



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: 57.103 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

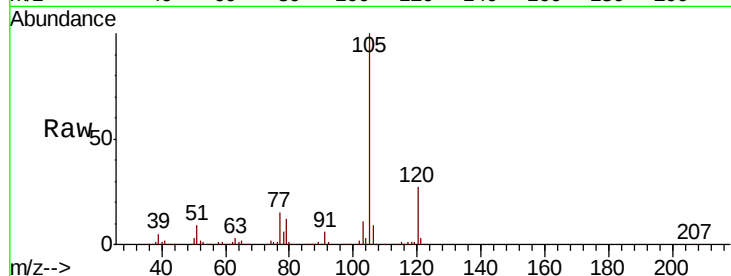
ClientSampleId :

Tot Ion:105 Resp: 1145214

Ion Ratio Lower Upper

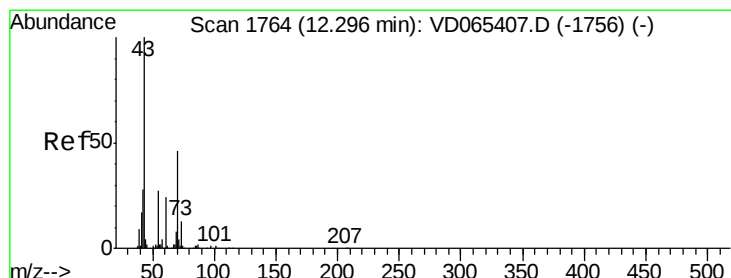
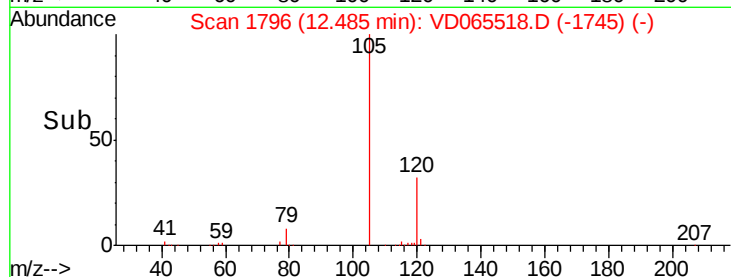
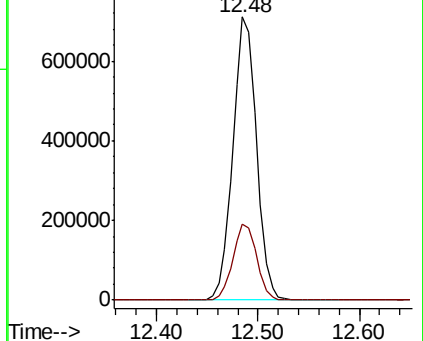
105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.665 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Tgt Ion: 43 Resp: 212128

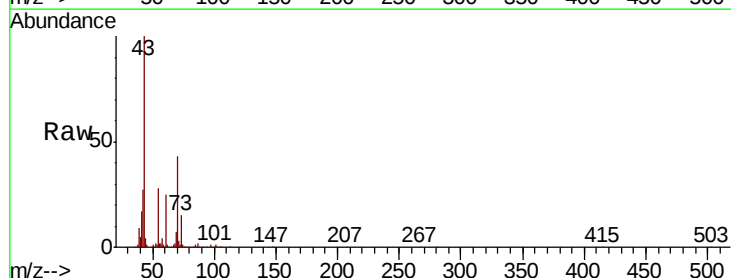
Ion Ratio Lower Upper

43 100

70 44.9 36.1 54.1

55 28.4 21.6 32.4

61 24.7 19.6 29.4

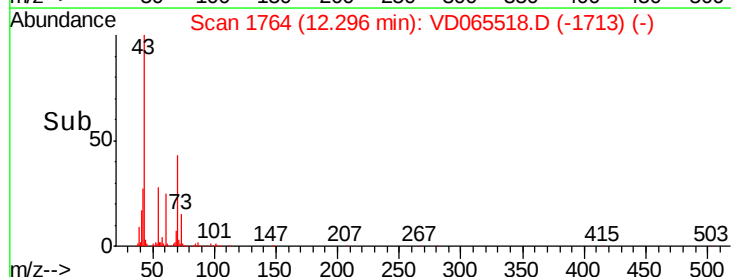
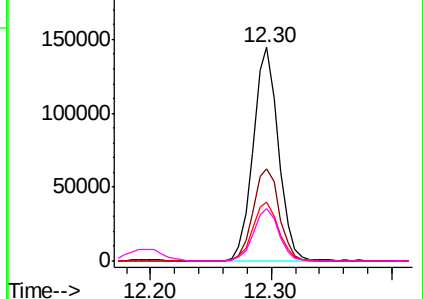


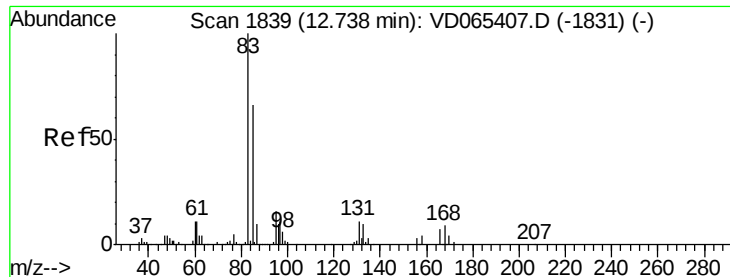
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.662 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

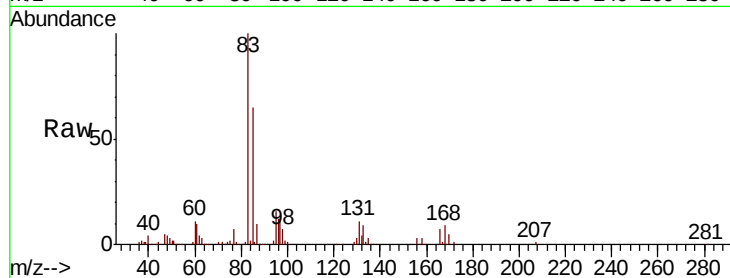
Tot Ion: 83 Resp: 178599

Ion Ratio Lower Upper

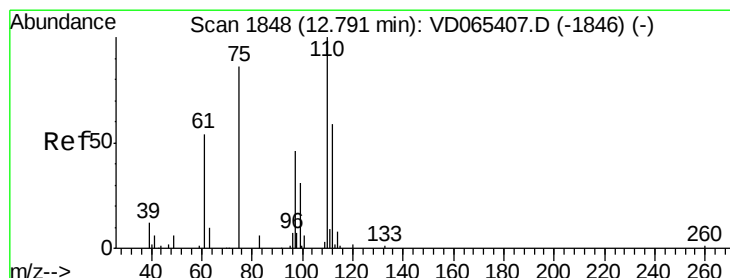
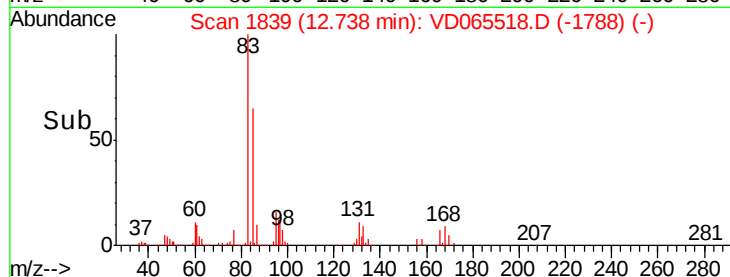
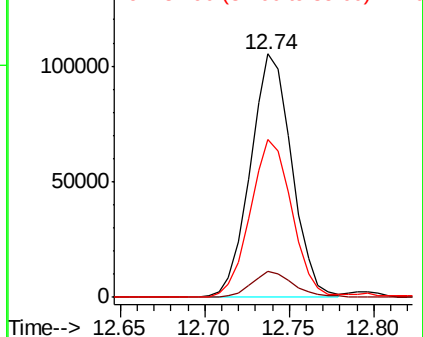
83 100

131 10.9 5.4 16.2

85 65.3 33.0 98.9



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: 96.730 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065518.D

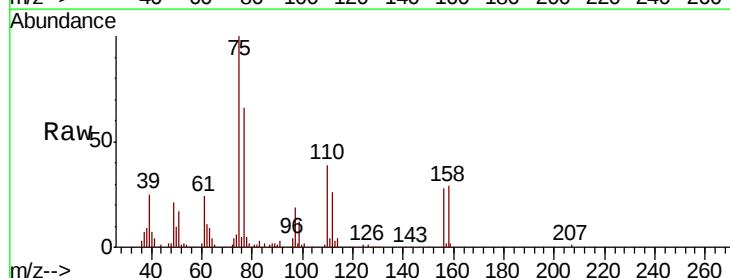
Acq: 24 Mar 2020 13:45

Tgt Ion: 75 Resp: 232731

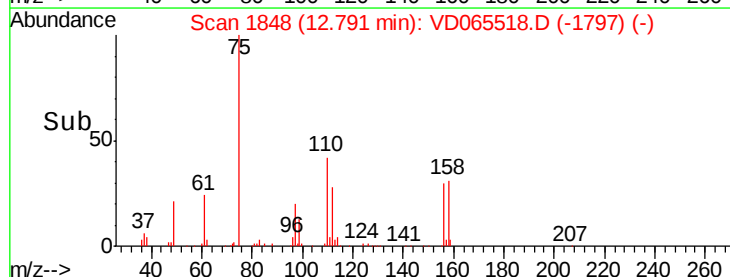
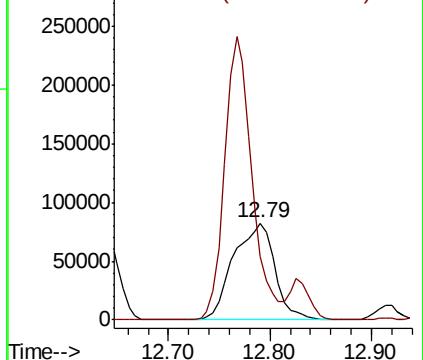
Ion Ratio Lower Upper

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: 54.555 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

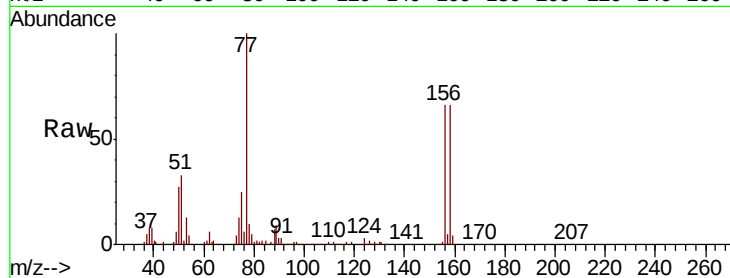
Tot Ion:156 Resp: 271836

Ion Ratio Lower Upper

156 100

77 165.0 84.9 254.6

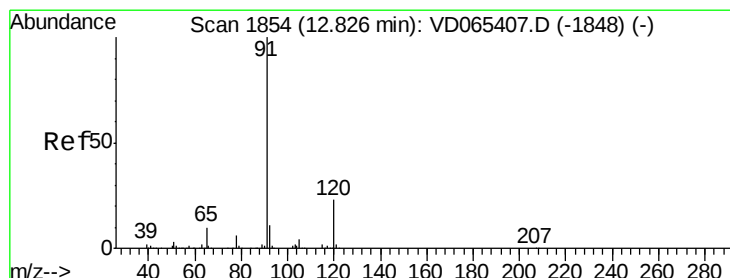
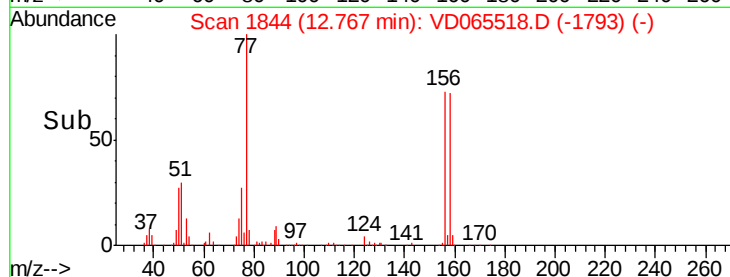
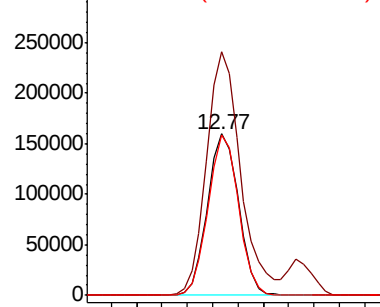
158 97.6 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.566 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065518.D

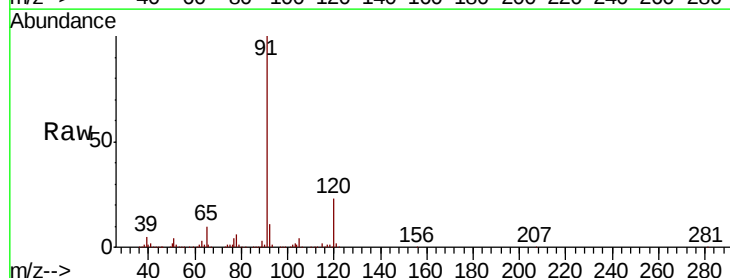
Acq: 24 Mar 2020 13:45

Tgt Ion: 91 Resp: 1369837

Ion Ratio Lower Upper

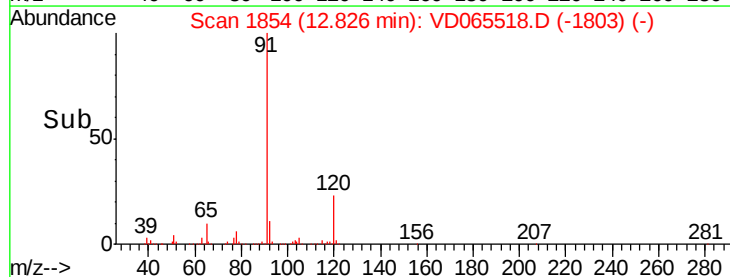
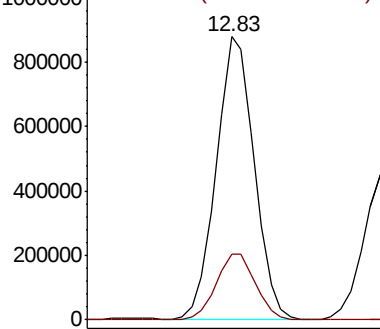
91 100

120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

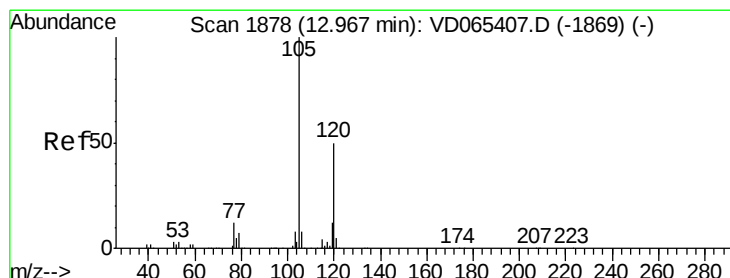
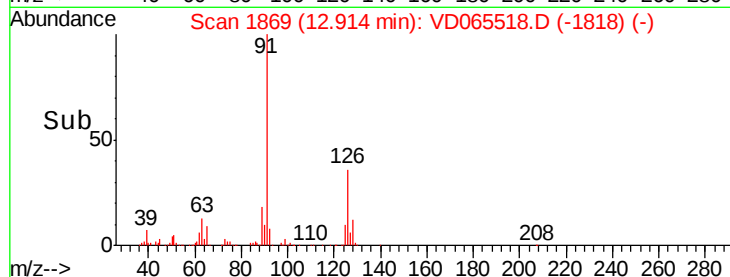
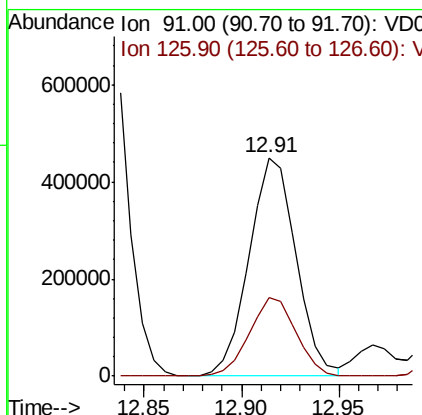
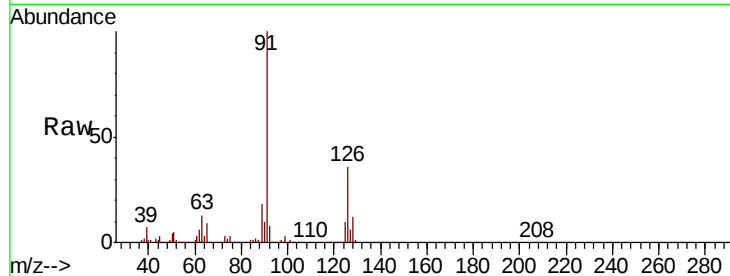




#79
2-Chlorotoluene
Concen: 55.814 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

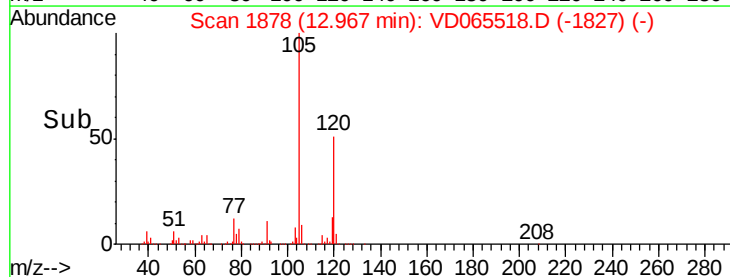
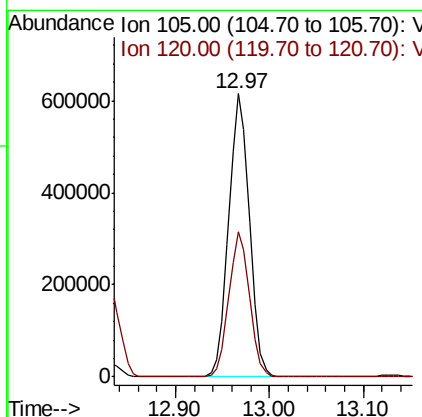
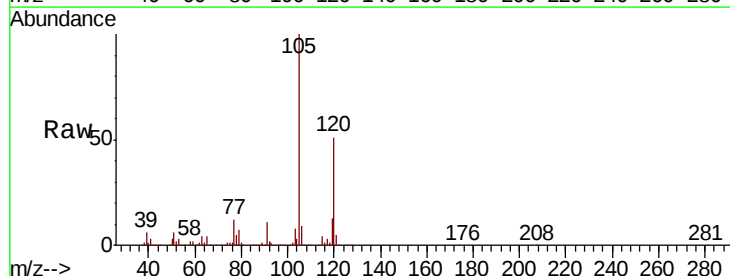
Instrument :
MSVOA_D
ClientSampleId :

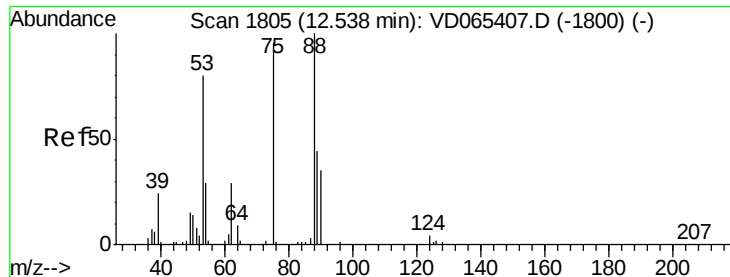
Tot Ion: 91 Resp: 748522
Ion Ratio Lower Upper
91 100
126 35.9 17.9 53.8



#80
1,3,5-Trimethylbenzene
Concen: 57.022 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion:105 Resp: 940167
Ion Ratio Lower Upper
105 100
120 51.3 25.4 76.0

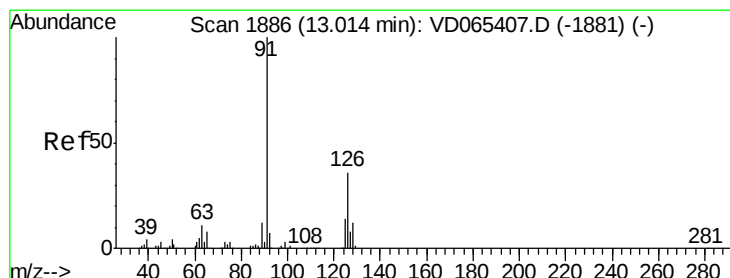
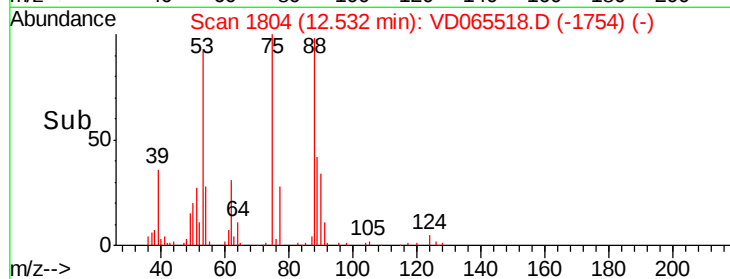
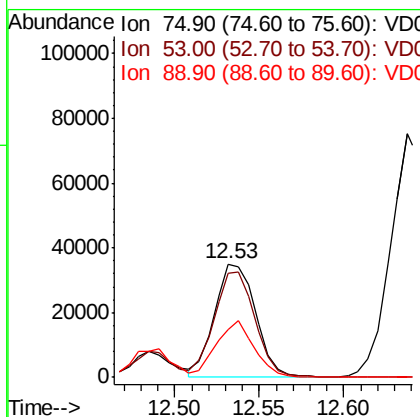
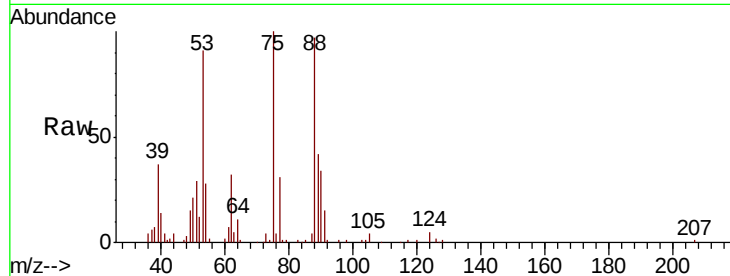




#81
trans-1,4-Dichloro-2-butene
Concen: 52.316 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

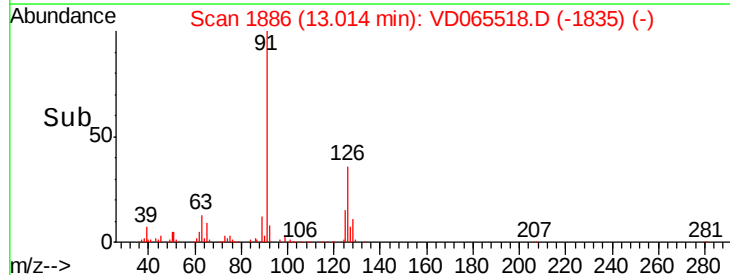
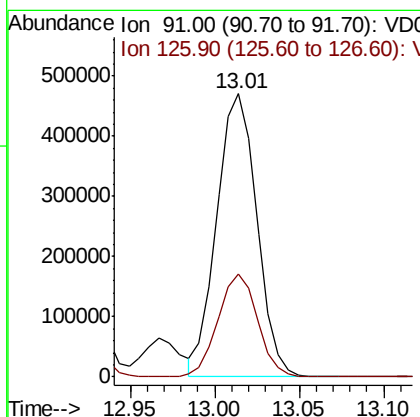
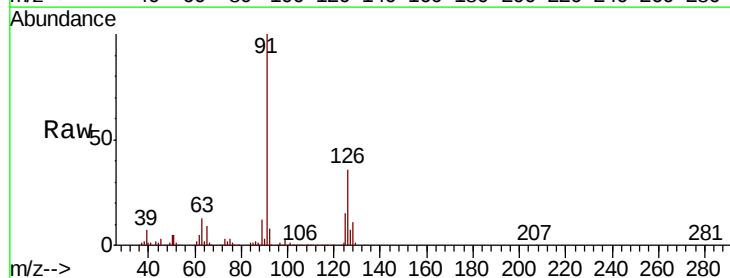
Instrument :
MSVOA_D
ClientSampleId :

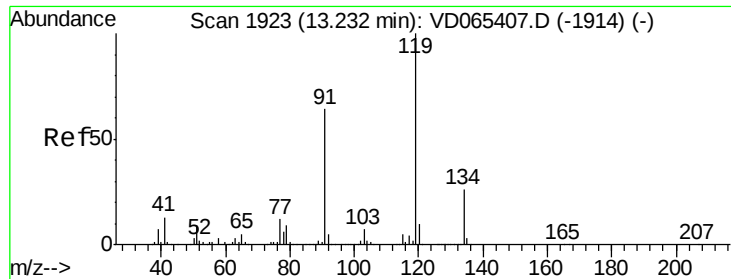
Tot Ion: 75 Resp: 59646
Ion Ratio Lower Upper
75 100
53 92.1 71.3 106.9
89 45.6 37.0 55.6



#82
4-Chlorotoluene
Concen: 55.107 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion: 91 Resp: 776604
Ion Ratio Lower Upper
91 100
126 35.8 17.6 52.8

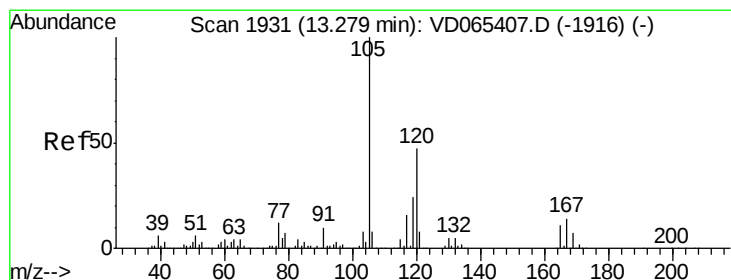
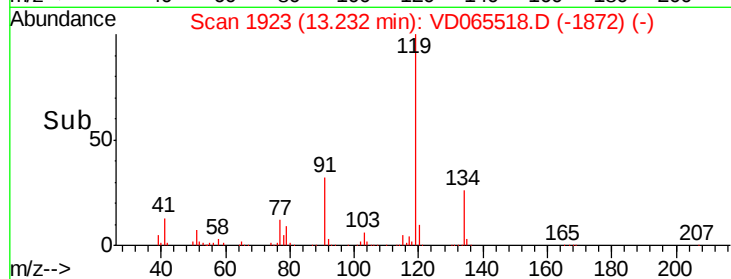
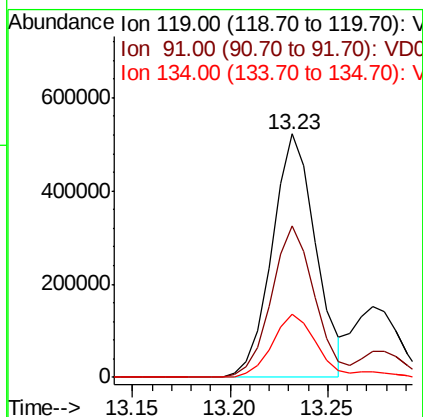
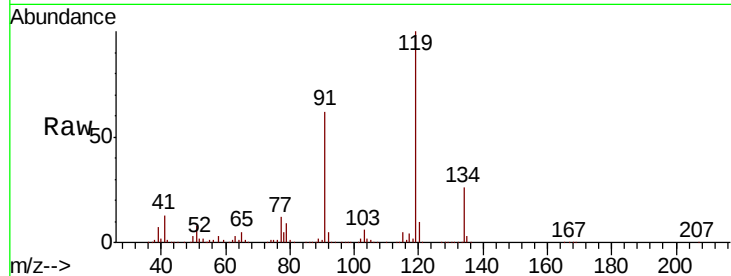




#83
tert-Butylbenzene
Concen: 57.876 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

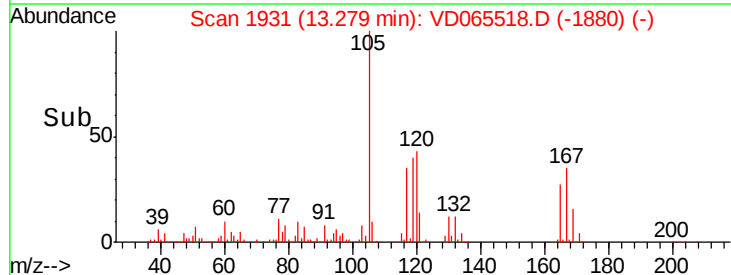
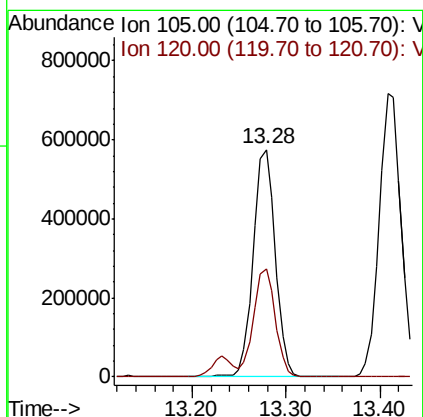
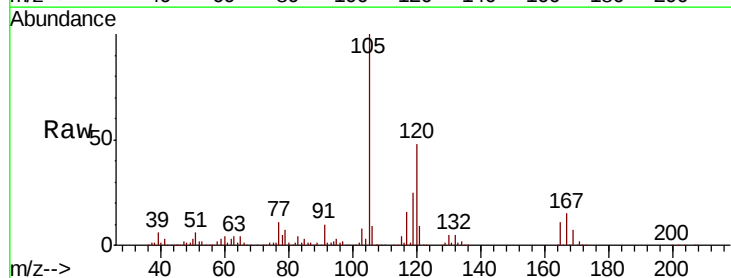
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 807304
Ion Ratio Lower Upper
119 100
91 62.2 31.6 95.0
134 27.9 14.2 42.8



#84
1,2,4-Trimethylbenzene
Concen: 57.778 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion:105 Resp: 939024
Ion Ratio Lower Upper
105 100
120 46.7 23.4 70.3





#85

sec-Butylbenzene

Concen: 57.721 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

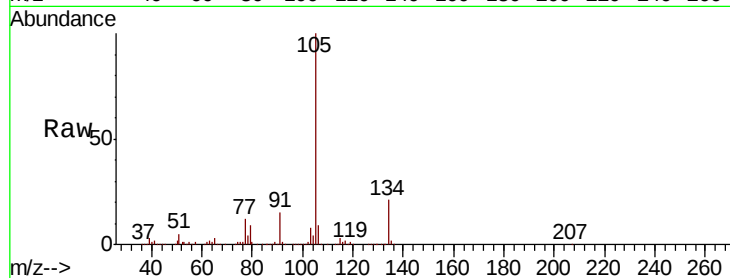
ClientSampleId :

Tot Ion:105 Resp: 1149263

Ion Ratio Lower Upper

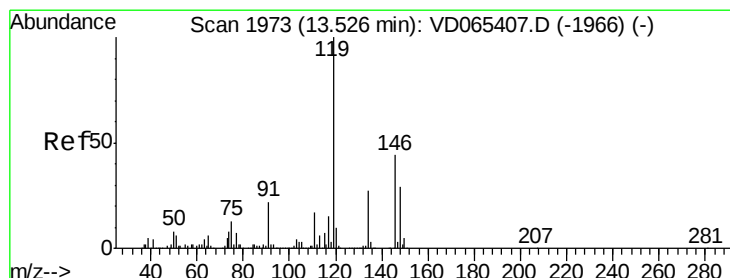
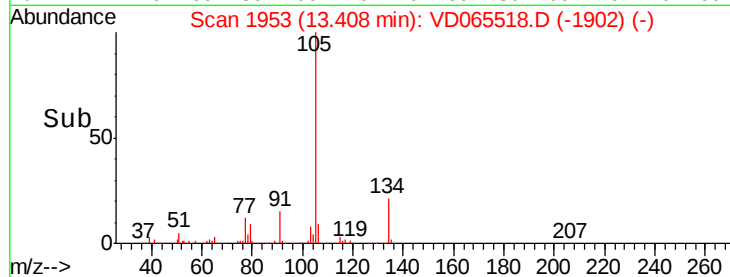
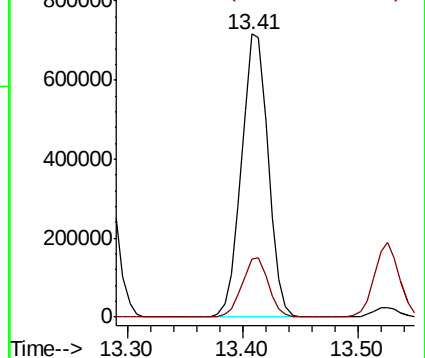
105 100

134 20.9 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.451 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

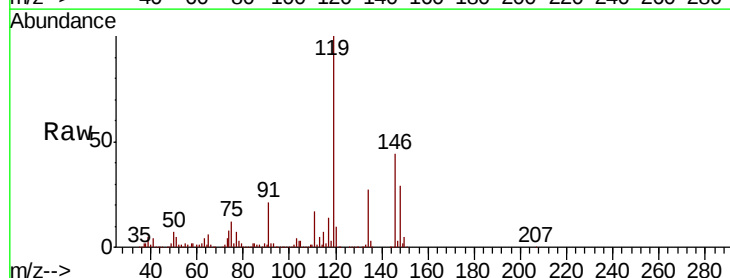
Tgt Ion:119 Resp: 1061966

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

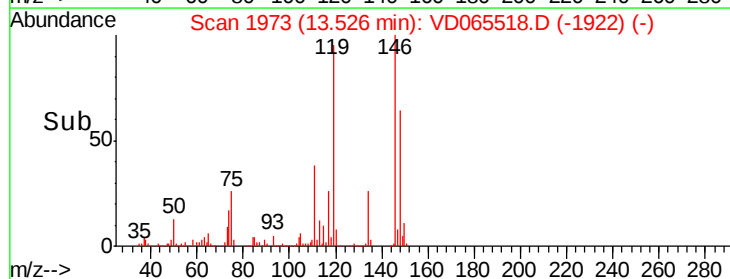
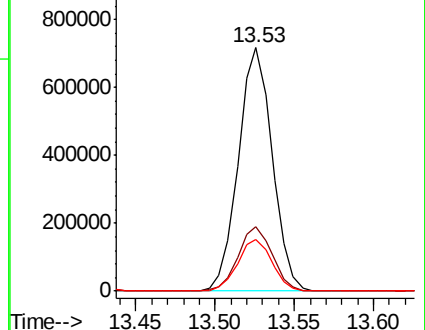
91 21.8 10.9 32.6

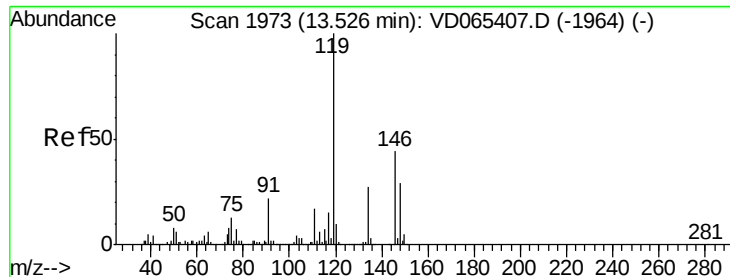


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 54.887 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

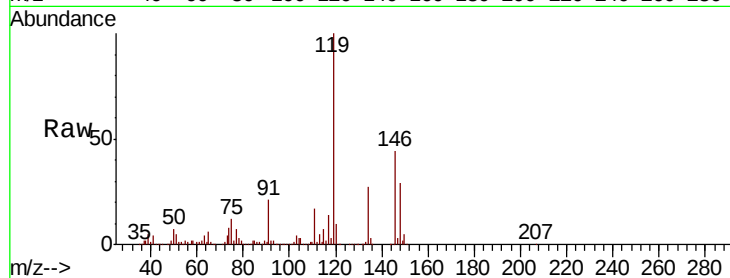
Tot Ion:146 Resp: 525805

Ion Ratio Lower Upper

146 100

111 37.4 19.1 57.1

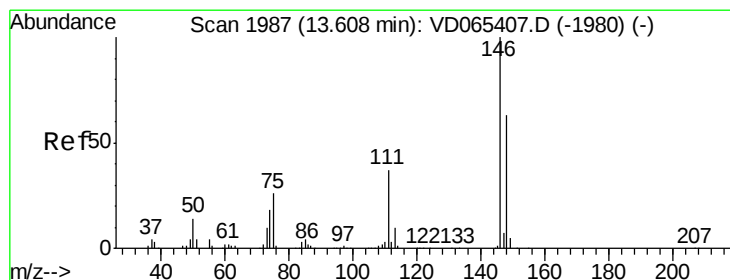
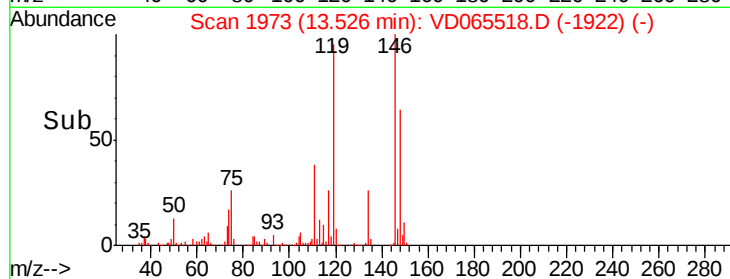
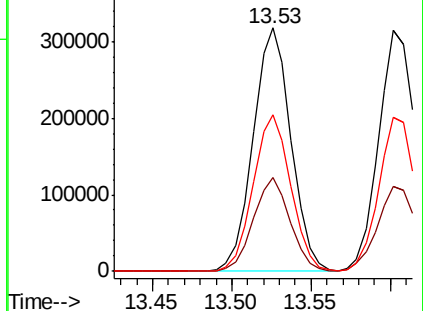
148 64.2 32.3 96.8



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



#88

1,4-Dichlorobenzene

Concen: 53.843 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.01 min

Lab File: VD065518.D

Acq: 24 Mar 2020 13:45

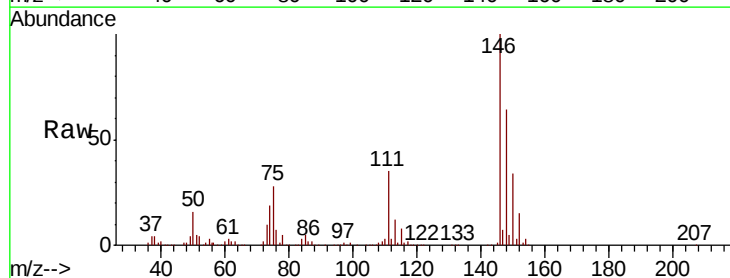
Tgt Ion:146 Resp: 513086

Ion Ratio Lower Upper

146 100

111 36.3 18.5 55.5

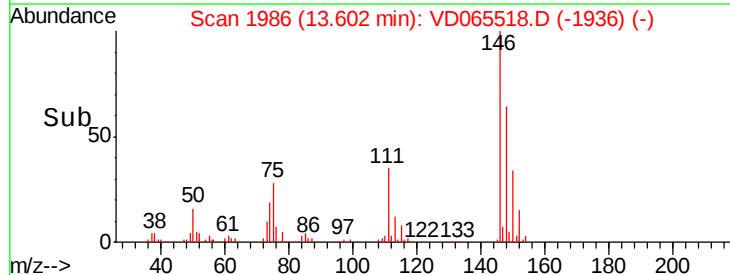
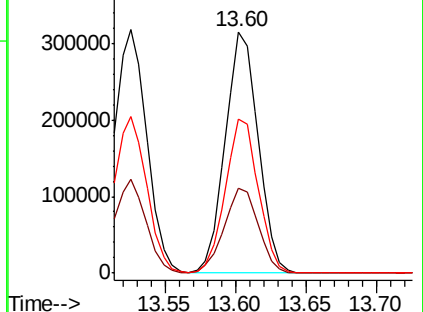
148 64.0 32.0 96.0

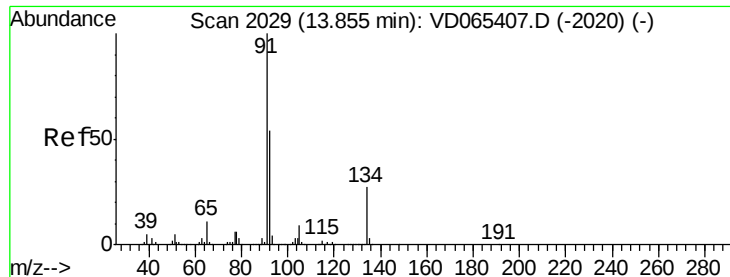


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

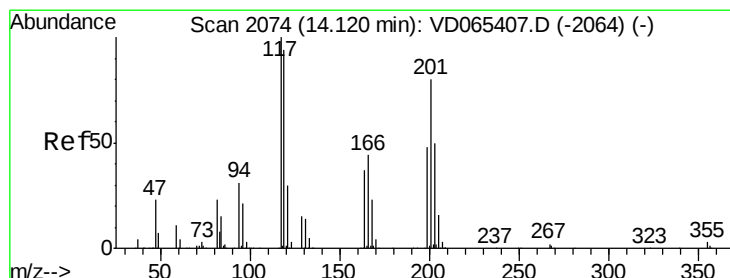
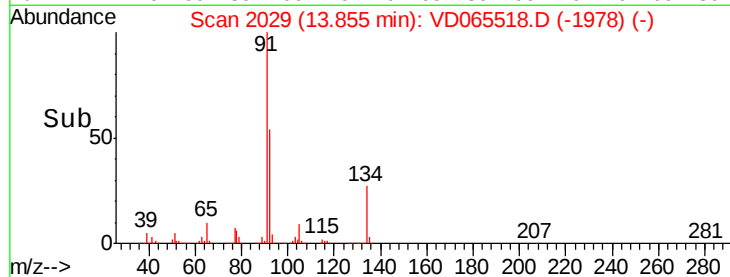
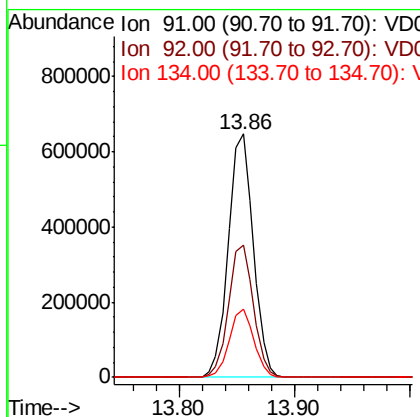
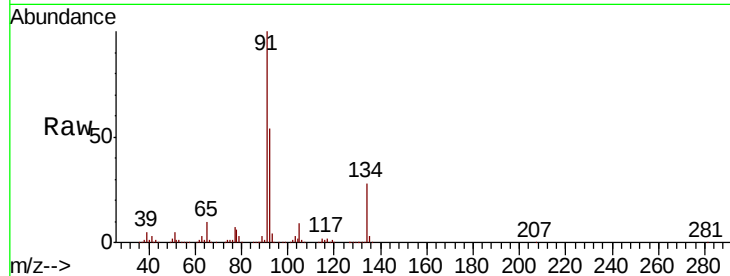




#89
n-Butylbenzene
Concen: 57.720 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

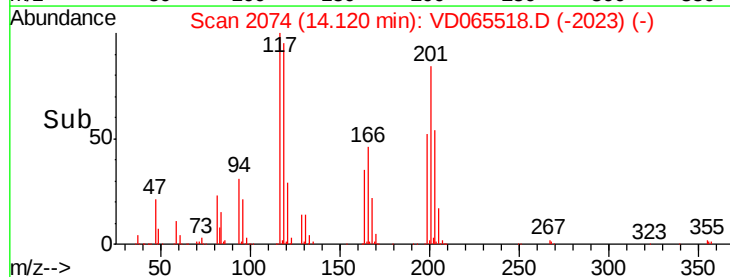
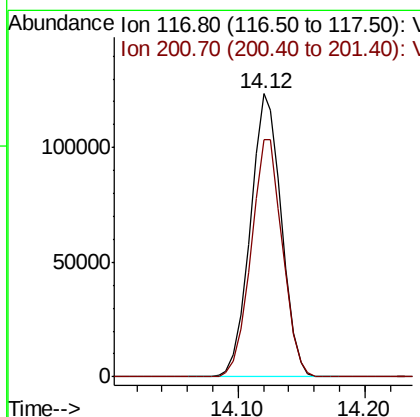
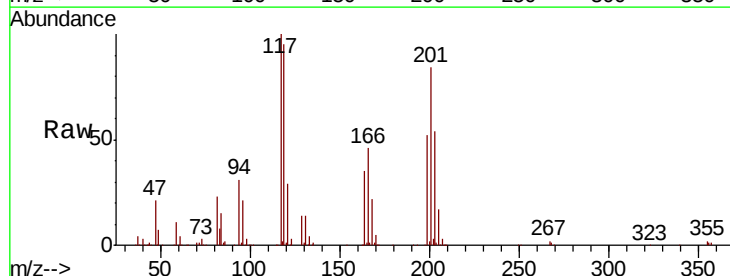
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 969510
Ion Ratio Lower Upper
91 100
92 54.2 26.8 80.4
134 27.4 13.4 40.2



#90
Hexachloroethane
Concen: 56.220 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion: 117 Resp: 210352
Ion Ratio Lower Upper
117 100
201 85.0 41.9 125.6

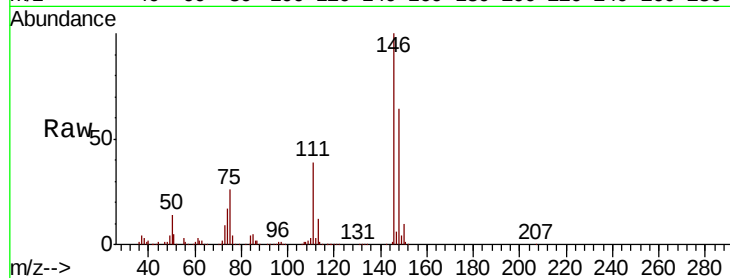




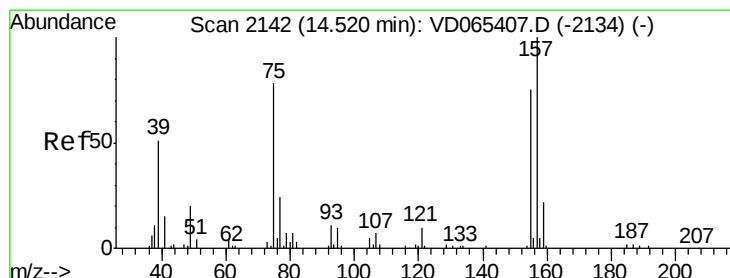
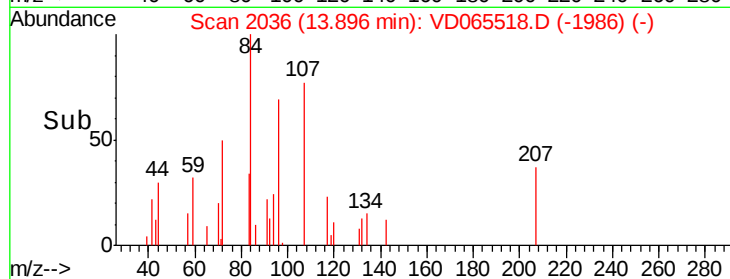
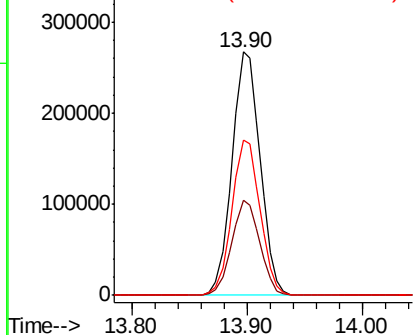
#91
 1,2-Dichlorobenzene
 Concen: 55.289 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	63.8	32.6	97.8

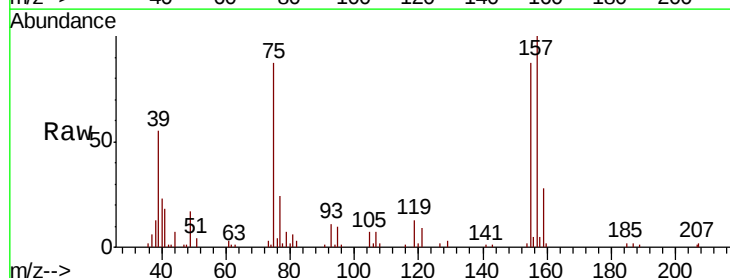


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

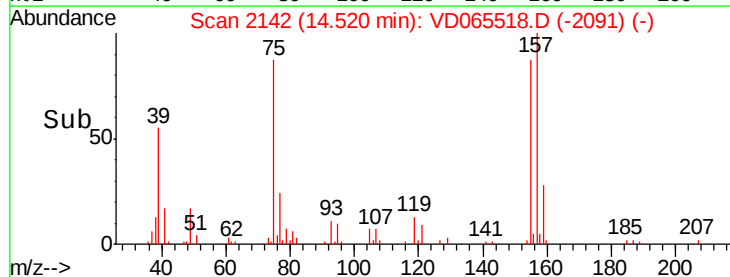
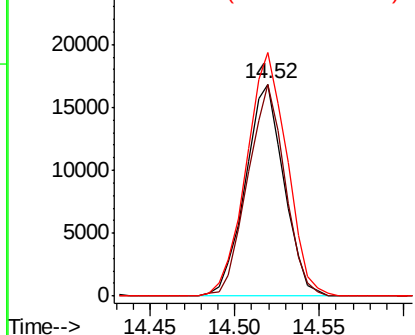


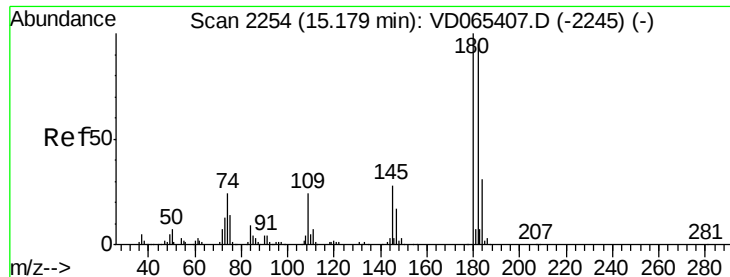
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.057 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	46.4	139.1
157	120.5	60.2	180.4



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

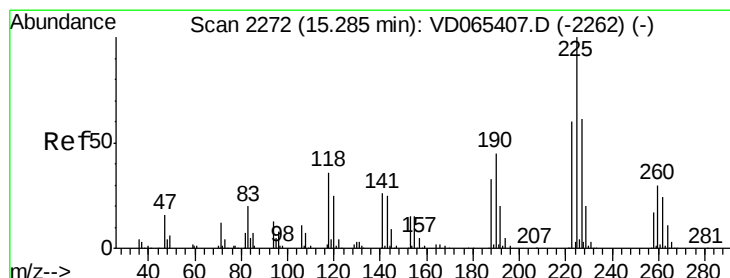
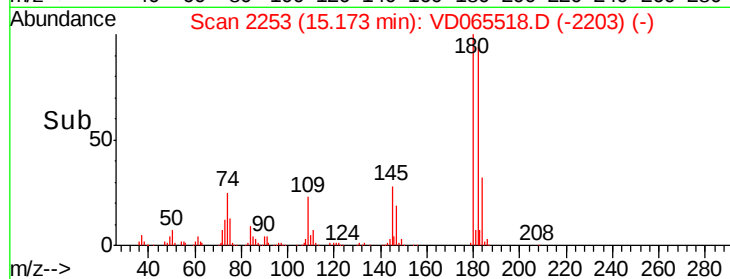
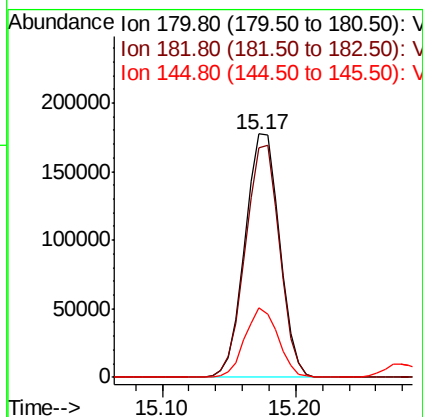
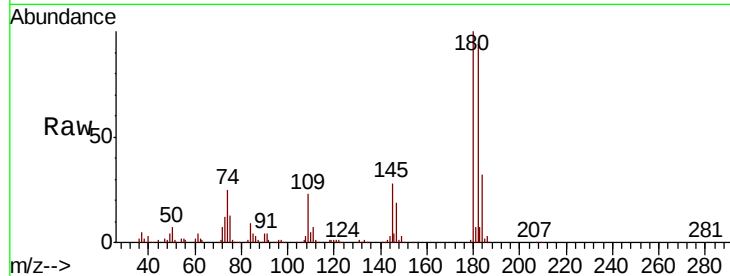




#93
 1,2,4-Trichlorobenzene
 Concen: 57.619 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

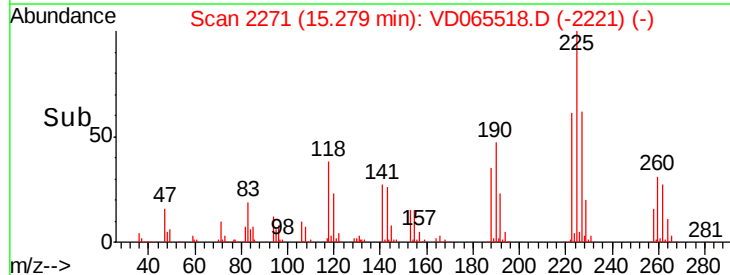
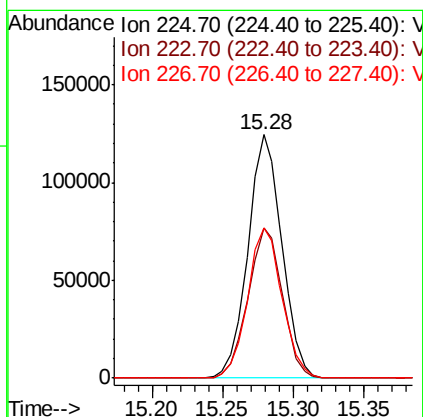
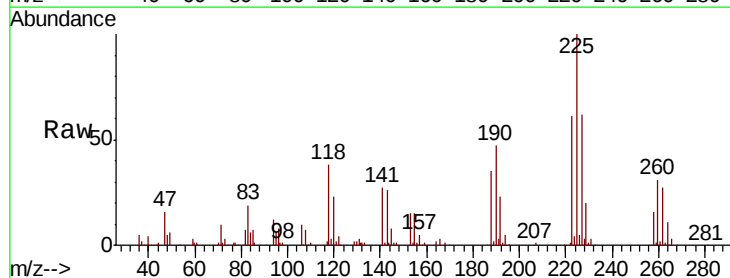
Instrument :
 MSVOA_D
 ClientSampleId :

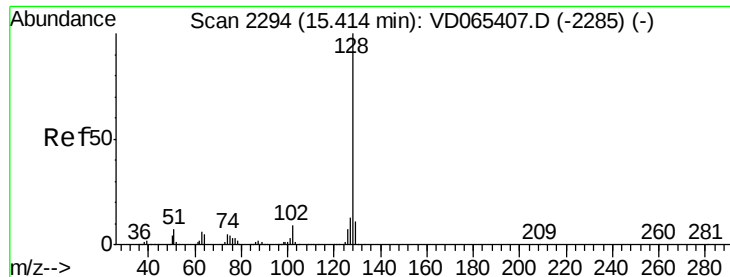
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.3	144.9
145	27.4	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 57.834 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065518.D
 Acq: 24 Mar 2020 13:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.9	92.5
227	62.5	31.6	94.7

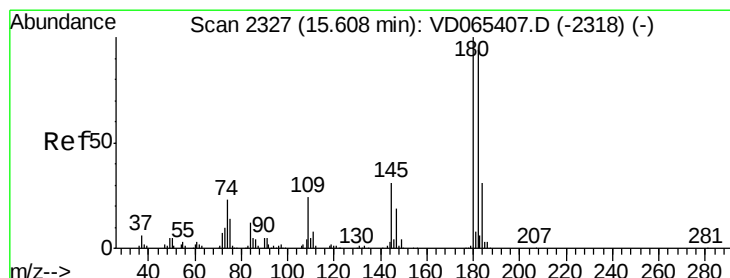
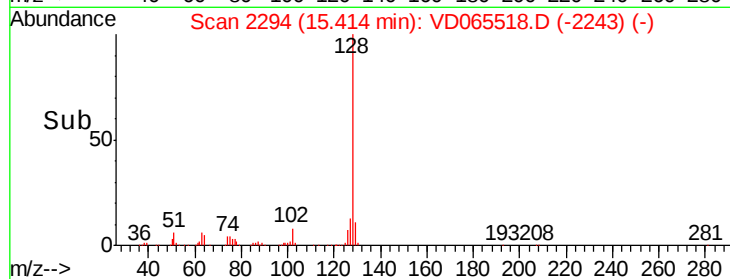
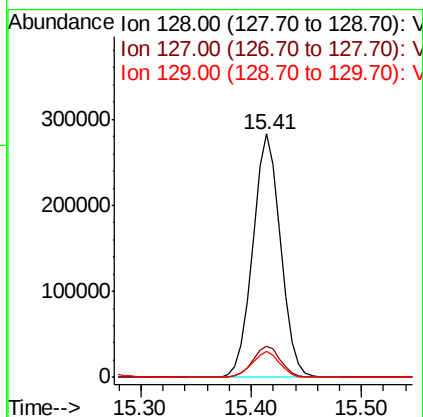
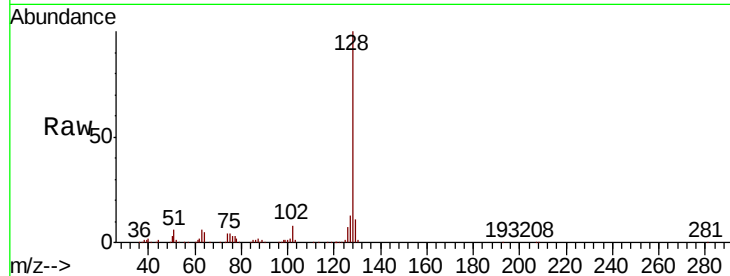




#95
Naphthalene
Concen: 50.622 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 499112
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 56.868 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065518.D
Acq: 24 Mar 2020 13:45

Tgt Ion:180 Resp: 271523
Ion Ratio Lower Upper
180 100
182 95.7 46.9 140.6
145 30.3 15.0 45.1

