

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050820\
 Data File : VD065717.D
 Acq On : 08 May 2020 11:14
 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: May 09 03:46:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 17:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	393300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	591406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	524958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	254363	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	173504	44.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.08%	
35) Dibromofluoromethane	7.92	113	180785	48.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.82%	
50) Toluene-d8	10.34	98	697039	49.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.64	95	233177	46.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	145364	47.123	ug/l	98
3) Chloromethane	2.21	50	200120	51.438	ug/l	99
4) Vinyl Chloride	2.35	62	215745	54.730	ug/l	97
5) Bromomethane	2.77	94	135537	54.480	ug/l	95
6) Chloroethane	2.92	64	137355	54.245	ug/l	94
7) Trichlorofluoromethane	3.27	101	301623	47.968	ug/l	100
8) Diethyl Ether	3.71	74	89100	45.229	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	185360	48.562	ug/l	98
10) Methyl Iodide	4.30	142	189831	50.700	ug/l	98
11) Tert butyl alcohol	5.22	59	62616	207.435	ug/l	100
12) 1,1-Dichloroethene	4.07	96	179218	47.773	ug/l	95
13) Acrolein	3.93	56	66789	206.327	ug/l	99
14) Allyl chloride	4.71	41	314356	42.035	ug/l	96
15) Acrylonitrile	5.43	53	198594	214.425	ug/l	100
16) Acetone	4.16	43	201645	239.739	ug/l	96
17) Carbon Disulfide	4.41	76	571018	46.288	ug/l	99
18) Methyl Acetate	4.72	43	87136	41.666	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	422050	46.399	ug/l	96
20) Methylene Chloride	4.97	84	193665	45.708	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	200181	46.613	ug/l	98
22) Diisopropyl ether	6.37	45	606008	43.575	ug/l	99
23) Vinyl Acetate	6.31	43	1832376	218.145	ug/l	98
24) 1,1-Dichloroethane	6.27	63	350745	46.038	ug/l	99
25) 2-Butanone	7.21	43	274893	220.333	ug/l	98
26) 2,2-Dichloropropane	7.21	77	318329	46.408	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	222704	47.791	ug/l	95
28) Bromochloromethane	7.55	49	147141	46.307	ug/l	91
29) Tetrahydrofuran	7.56	42	167393	208.163	ug/l	94
30) Chloroform	7.71	83	344981	47.055	ug/l	99
31) Cyclohexane	7.98	56	331890	42.101	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	322087	47.394	ug/l	99
36) 1,1-Dichloropropene	8.11	75	276280	47.039	ug/l	97
37) Ethyl Acetate	7.30	43	120212	42.506	ug/l	98
38) Carbon Tetrachloride	8.10	117	288957	49.621	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	348202	47.222	ug/l	97
40) Benzene	8.36	78	775070	48.320	ug/l	99
41) Methacrylonitrile	7.53	41	67321	41.270	ug/l #	67
42) 1,2-Dichloroethane	8.43	62	215749	46.743	ug/l	100
43) Isopropyl Acetate	8.46	43	247939	43.841	ug/l	98
44) Trichloroethene	9.11	130	228624	51.720	ug/l	98
45) 1,2-Dichloropropane	9.39	63	193677	46.690	ug/l	99
46) Dibromomethane	9.48	93	99850	47.987	ug/l	93
47) Bromodichloromethane	9.67	83	267828	48.133	ug/l	100
48) Methyl methacrylate	9.46	41	122529	43.270	ug/l	96
49) 1,4-Dioxane	9.47	88	24204	948.950	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	594627	218.164	ug/l	97
52) Toluene	10.41	92	500326	49.323	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	269711	47.854	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	318334	47.944	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	138411	49.342	ug/l	99
56) Ethyl methacrylate	10.67	69	188927	46.645	ug/l	95
57) 1,3-Dichloropropane	10.95	76	241945	47.976	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	416647	224.077	ug/l	96
59) 2-Hexanone	10.99	43	421052	224.601	ug/l	99
60) Dibromochloromethane	11.14	129	186353	49.454	ug/l	99
61) 1,2-Dibromoethane	11.25	107	139230	49.330	ug/l	100
64) Tetrachloroethene	10.88	164	190571	51.011	ug/l	100
65) Chlorobenzene	11.67	112	526854	49.813	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	201395	51.070	ug/l	99
67) Ethyl Benzene	11.75	91	963752	48.844	ug/l	100
68) m/p-Xylenes	11.86	106	731840	99.492	ug/l	97
69) o-Xylene	12.18	106	336952	49.091	ug/l	98
70) Styrene	12.20	104	587198	49.758	ug/l	98
71) Bromoform	12.37	173	112039	50.493	ug/l #	98
73) Isopropylbenzene	12.48	105	934896	48.509	ug/l	100
74) N-amyl acetate	12.29	43	232050	42.176	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	149314	46.201	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	199746	92.977	ug/l #	100
77) Bromobenzene	12.77	156	223040	50.469	ug/l	93
78) n-propylbenzene	12.83	91	1083671	47.753	ug/l	98
79) 2-Chlorotoluene	12.91	91	597832	46.628	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	763910	48.279	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	54670	45.047	ug/l	97
82) 4-Chlorotoluene	13.01	91	626614	46.704	ug/l	98
83) tert-Butylbenzene	13.23	119	663733	49.281	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	758151	48.102	ug/l	99
85) sec-Butylbenzene	13.41	105	920109	48.703	ug/l	99
86) p-Isopropyltoluene	13.53	119	855893	49.715	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	414737	49.930	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	412472	50.331	ug/l	99
89) n-Butylbenzene	13.85	91	801497	48.052	ug/l	99
90) Hexachloroethane	14.12	117	166031	48.420	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	358205	49.976	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25173	46.340	ug/l	90

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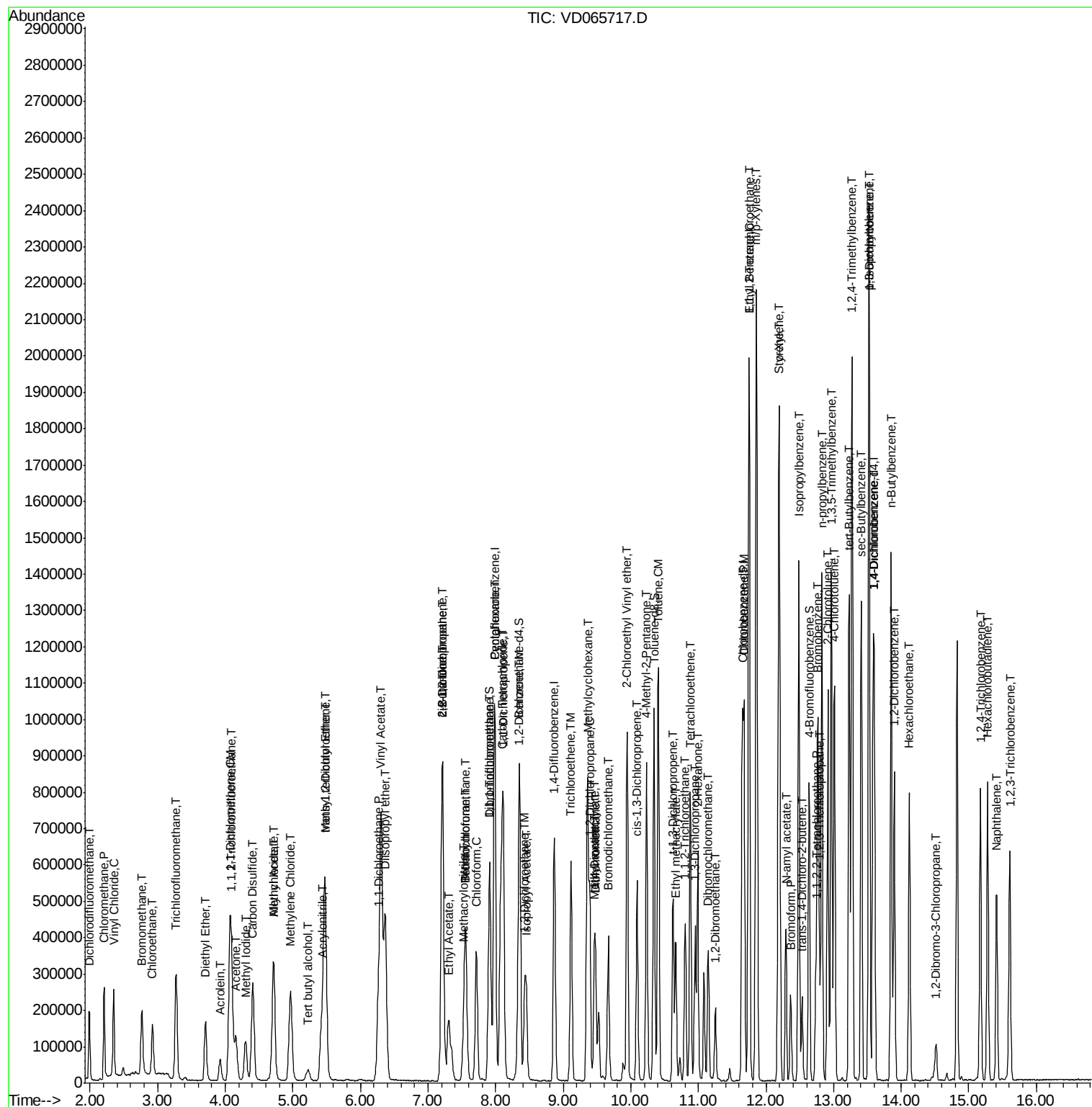
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	274005	50.952	ug/l	99
94) Hexachlorobutadiene	15.28	225	164327	52.727	ug/l	99
95) Naphthalene	15.41	128	463074	48.986	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	233857	51.122	ug/l	98

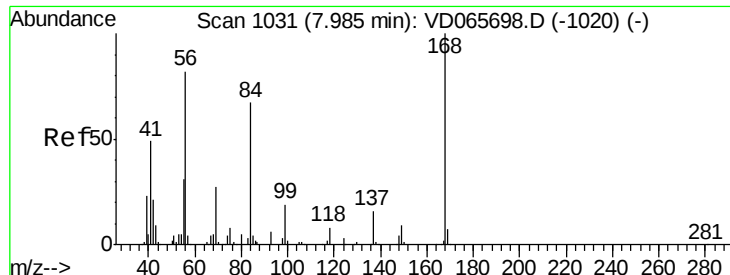
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

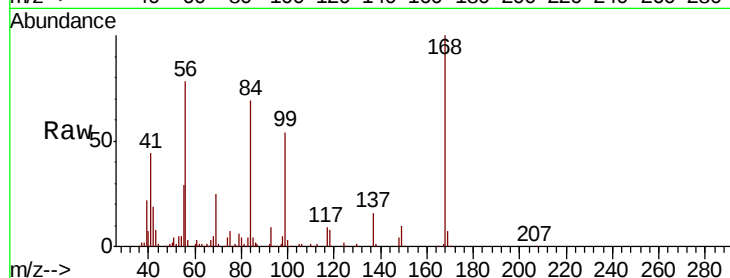
ClientSampleId :

Tot Ion:168 Resp: 393300

Ion Ratio Lower Upper

168 100

99 53.3 44.2 66.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

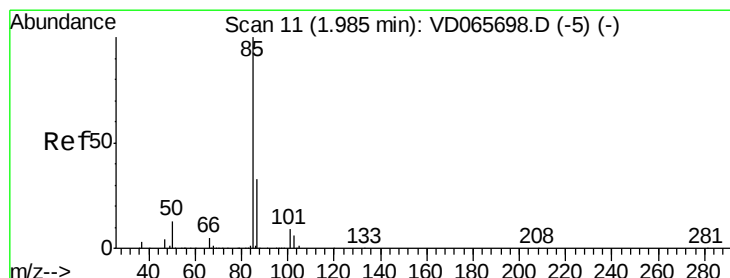
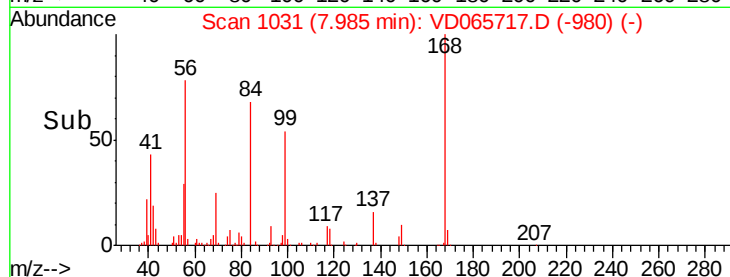
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.123 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065717.D

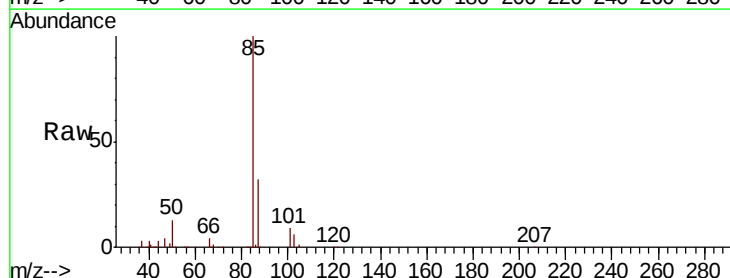
Acq: 08 May 2020 11:14

Tgt Ion: 85 Resp: 145364

Ion Ratio Lower Upper

85 100

87 32.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

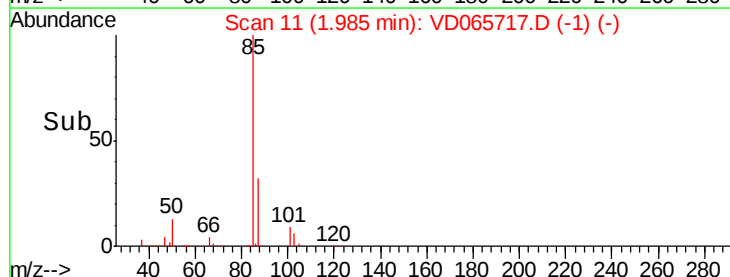
40000

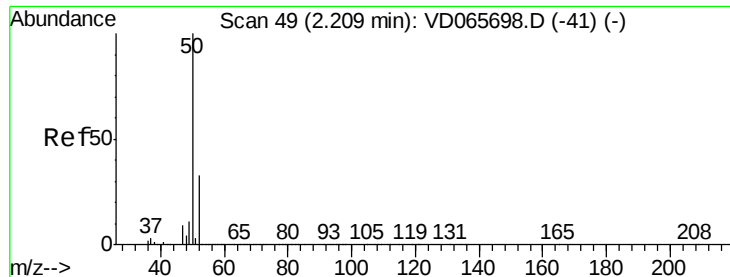
20000

0

1.90 2.00 2.10

Time-->

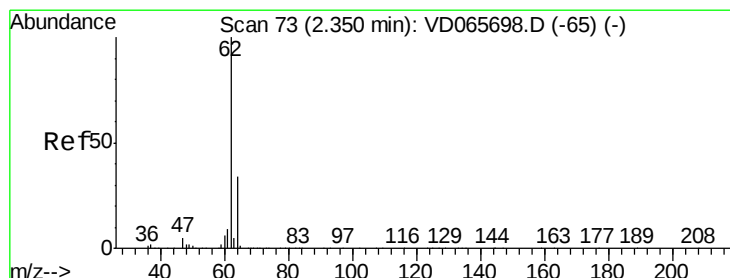
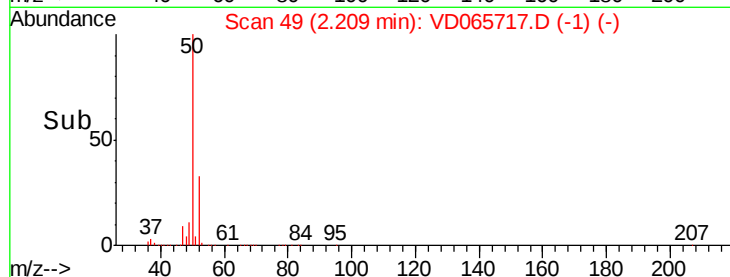
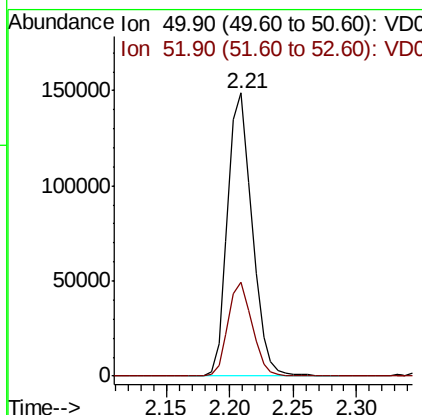
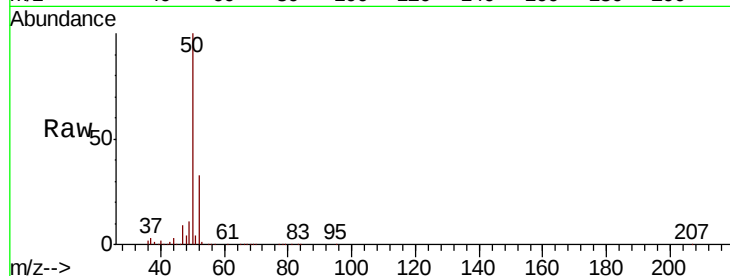




#3
Chloromethane
Concen: 51.438 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

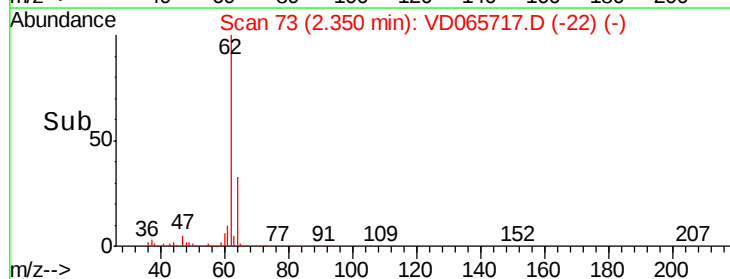
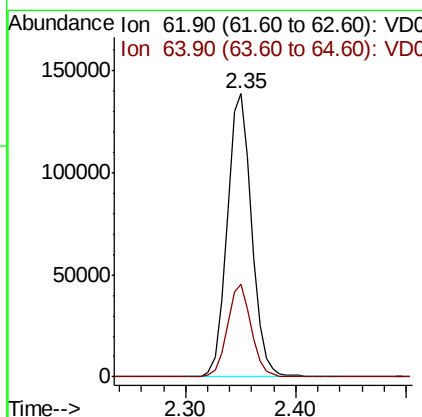
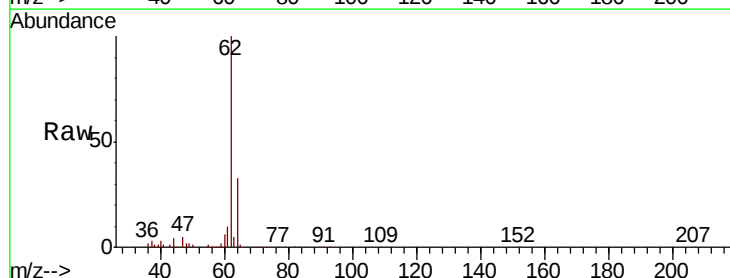
Instrument :
MSVOA_D
ClientSampleId :

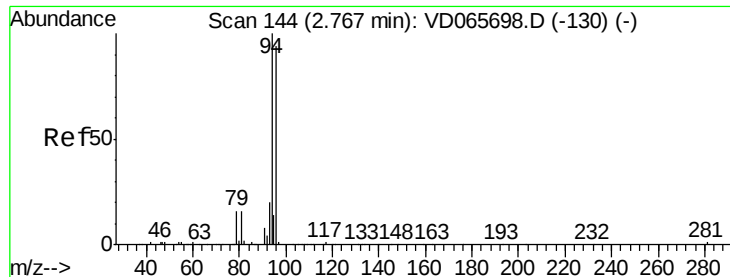
Tot Ion: 50 Resp: 200120
Ion Ratio Lower Upper
50 100
52 33.2 26.1 39.1



#4
Vinyl Chloride
Concen: 54.730 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion: 62 Resp: 215745
Ion Ratio Lower Upper
62 100
64 32.5 27.2 40.8





#5

Bromomethane

Concen: 54.480 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

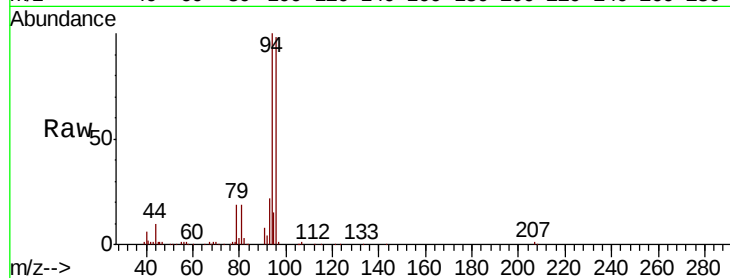
ClientSampleId :

Tot Ion: 94 Resp: 135537

Ion Ratio Lower Upper

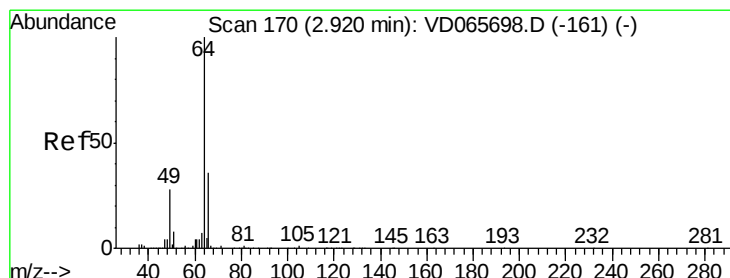
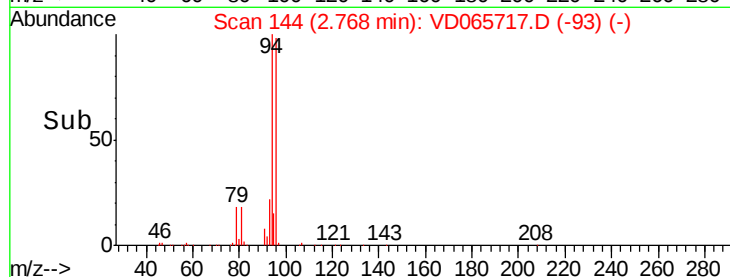
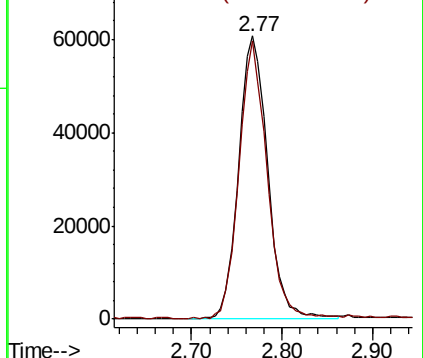
94 100

96 98.1 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 54.245 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065717.D

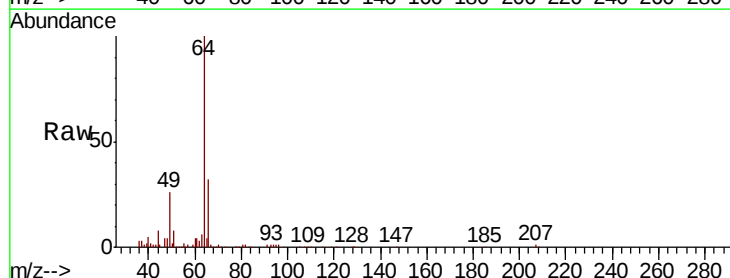
Acq: 08 May 2020 11:14

Tgt Ion: 64 Resp: 137355

Ion Ratio Lower Upper

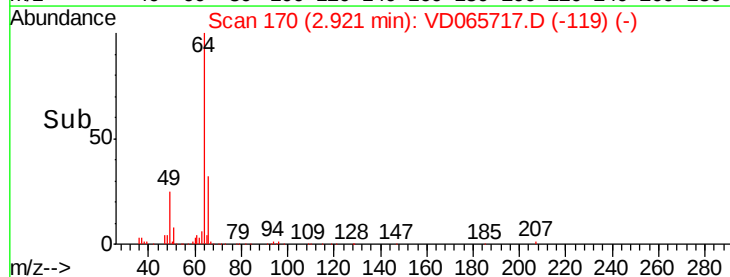
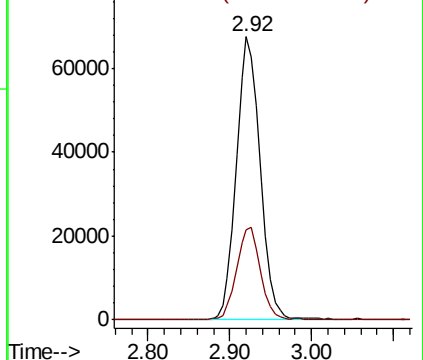
64 100

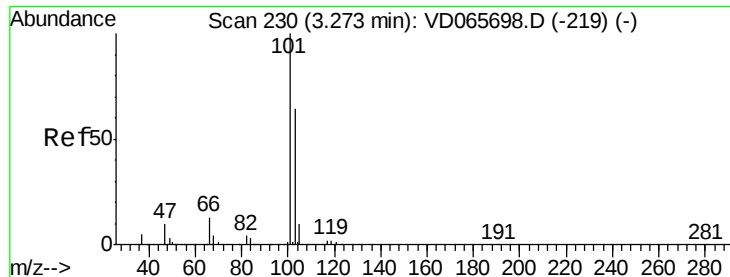
66 31.8 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



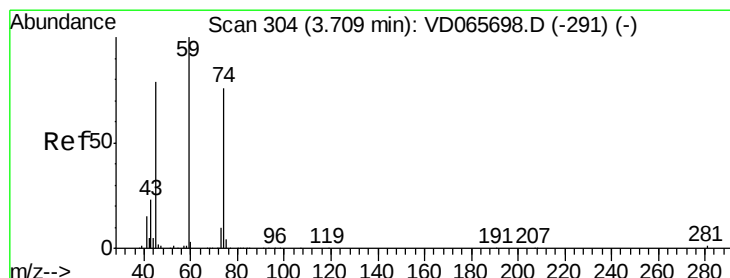
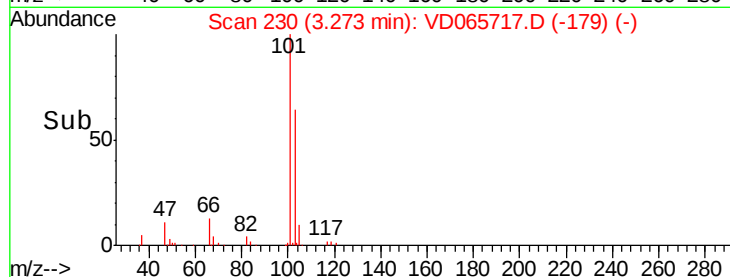
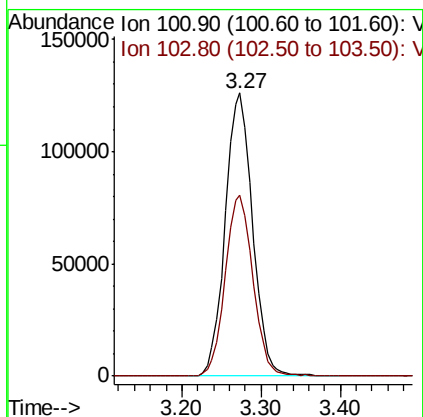
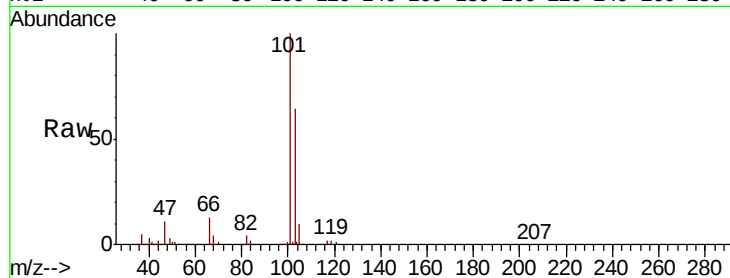


#7

Trichlorofluoromethane
Concen: 47.968 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :

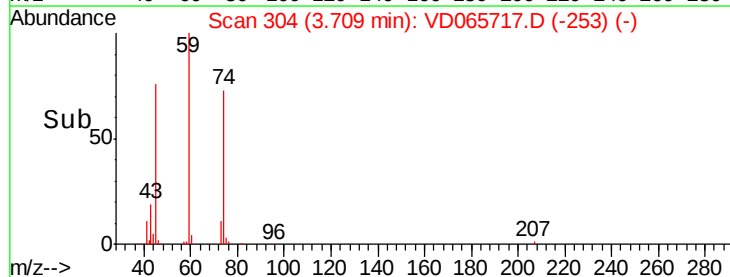
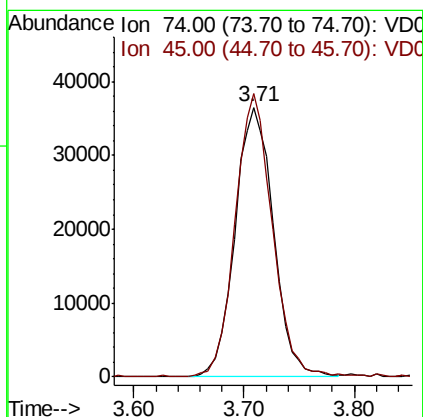
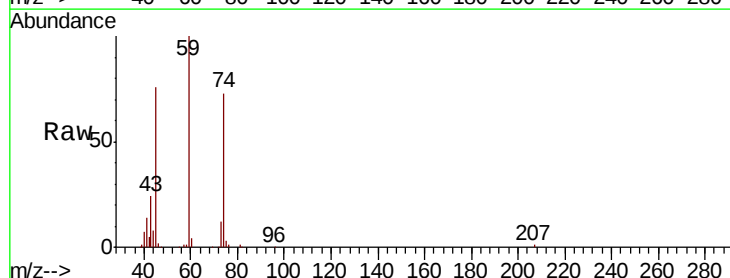
Tot Ion:101 Resp: 301623
Ion Ratio Lower Upper
101 100
103 64.0 51.1 76.7

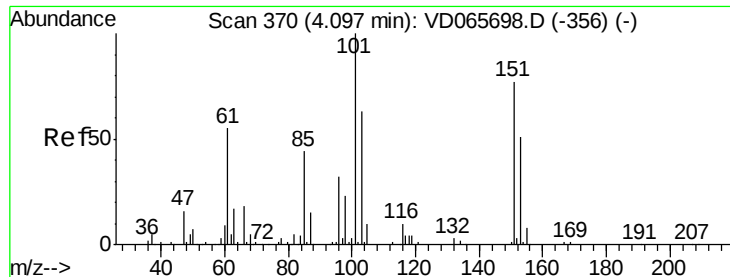


#8

Diethyl Ether
Concen: 45.229 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion: 74 Resp: 89100
Ion Ratio Lower Upper
74 100
45 102.0 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.562 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

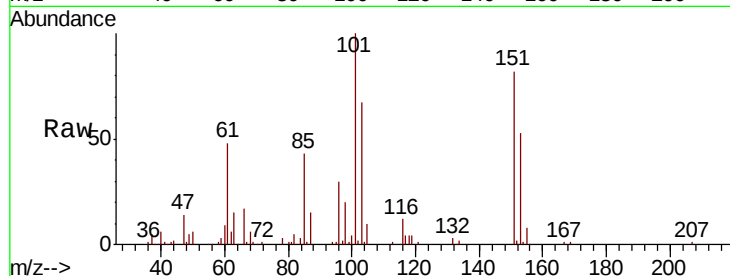
Tot Ion:101 Resp: 185360

Ion Ratio Lower Upper

101 100

85 43.4 34.4 51.6

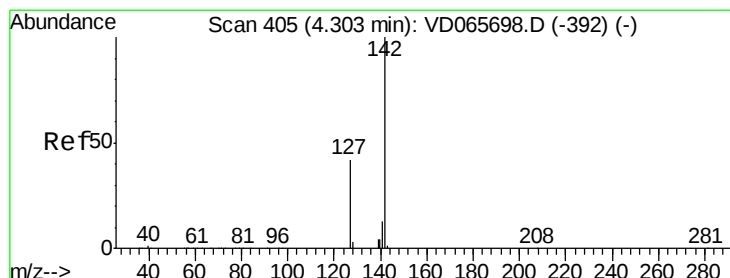
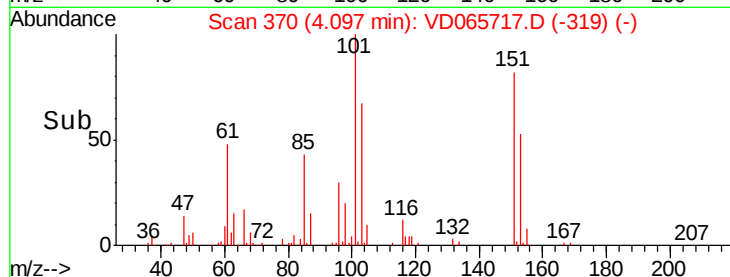
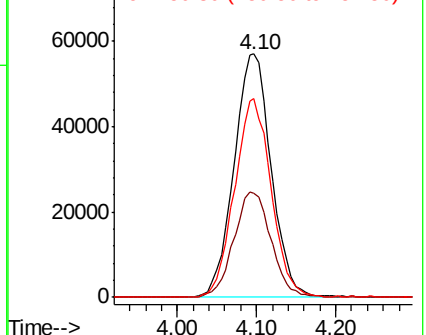
151 80.6 63.0 94.4



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: 50.700 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

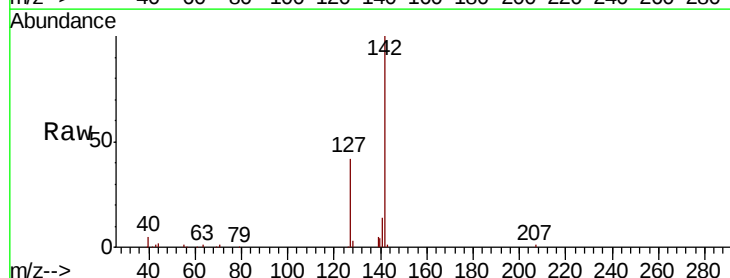
Tgt Ion:142 Resp: 189831

Ion Ratio Lower Upper

142 100

127 41.5 34.5 51.7

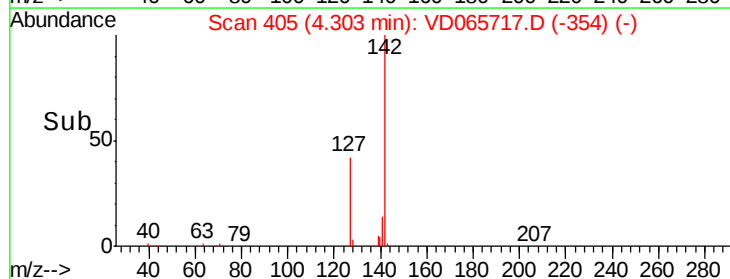
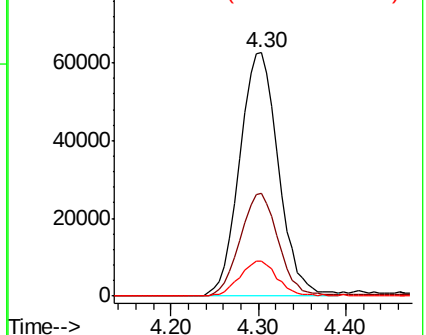
141 14.0 11.6 17.4

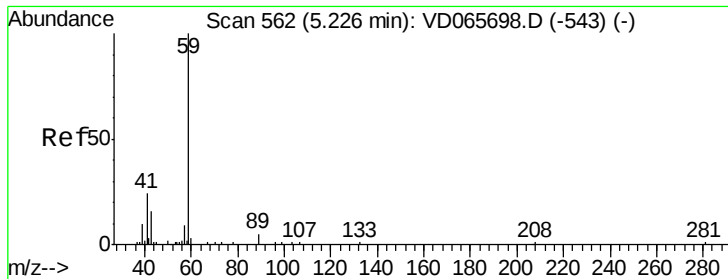


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

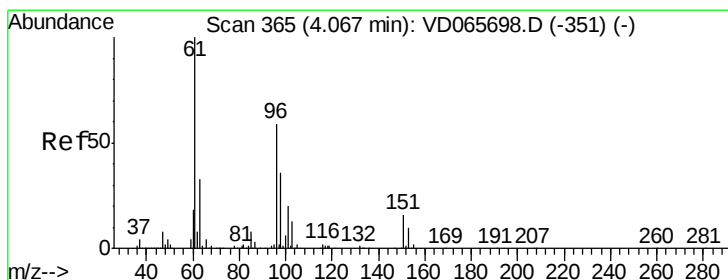
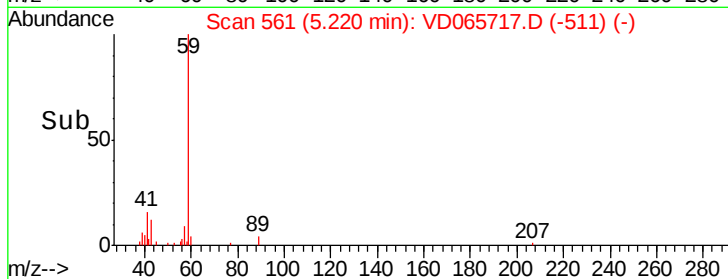
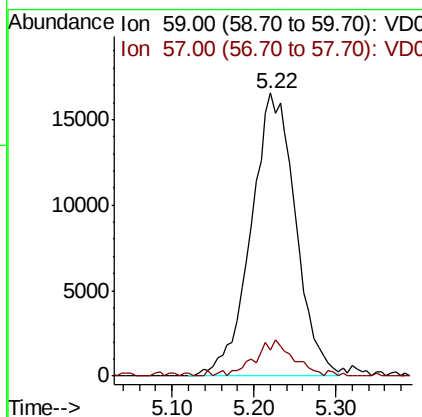
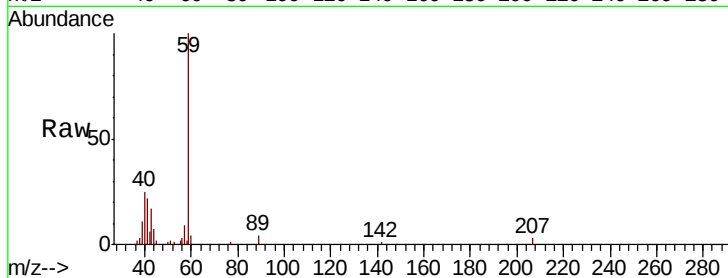




#11
Tert butyl alcohol
Concen: 207.435 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

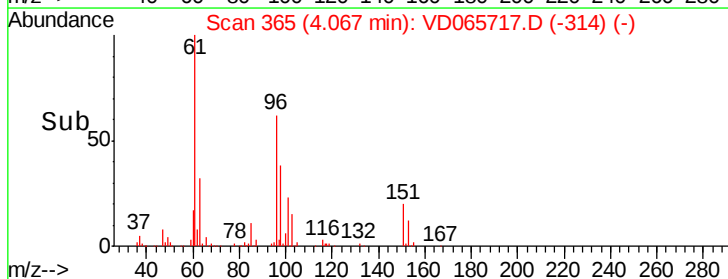
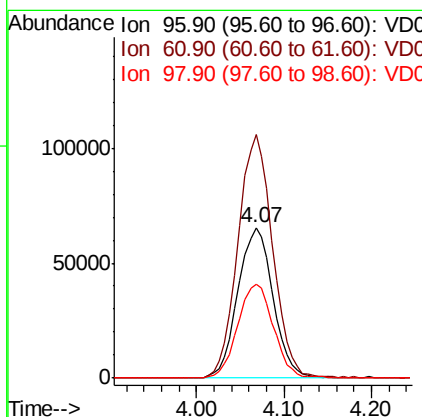
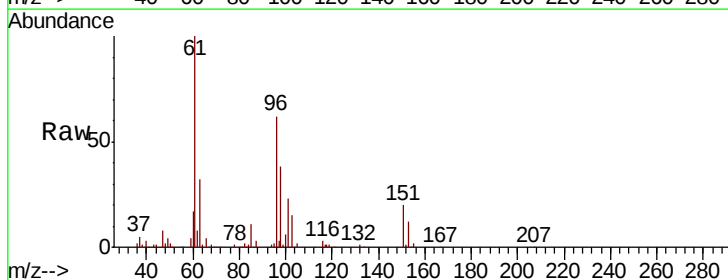
Instrument :
MSVOA_D
ClientSampleId :

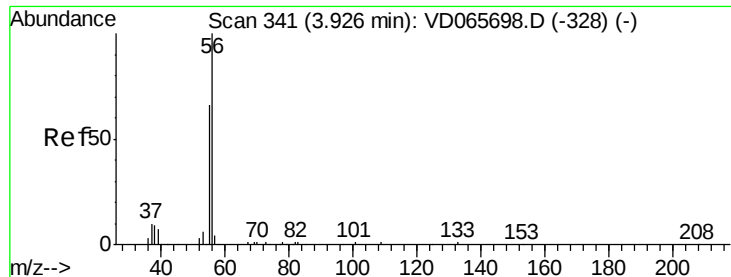
Tot Ion: 59 Resp: 62616
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1



#12
1,1-Dichloroethene
Concen: 47.773 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion: 96 Resp: 179218
Ion Ratio Lower Upper
96 100
61 161.5 136.0 204.0
98 62.0 49.7 74.5





#13

Acrolein

Concen: 206.327 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

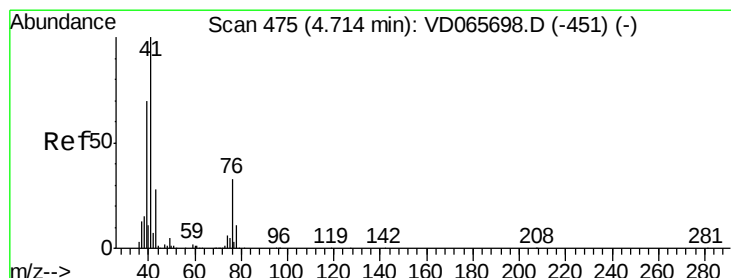
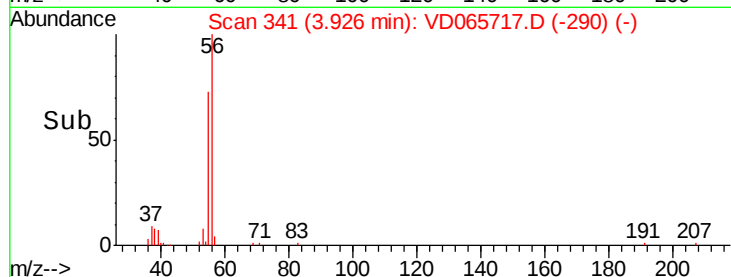
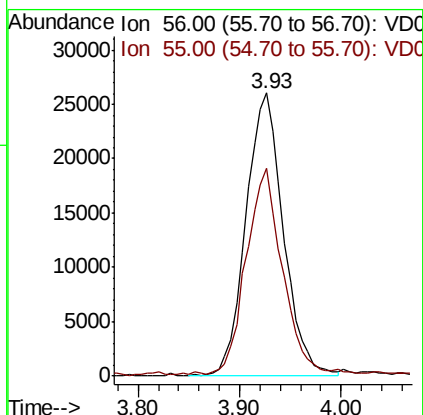
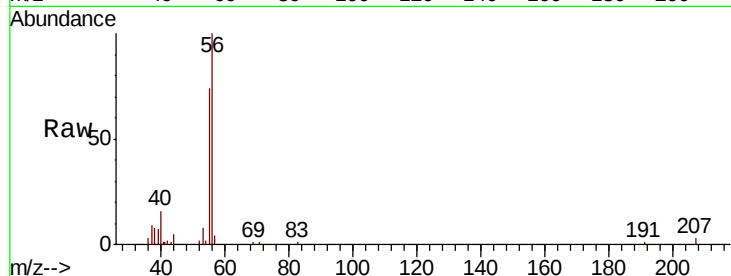
ClientSampleId :

Tot Ion: 56 Resp: 66789

Ion Ratio Lower Upper

56 100

55 70.1 56.7 85.1



#14

Allyl chloride

Concen: 42.035 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

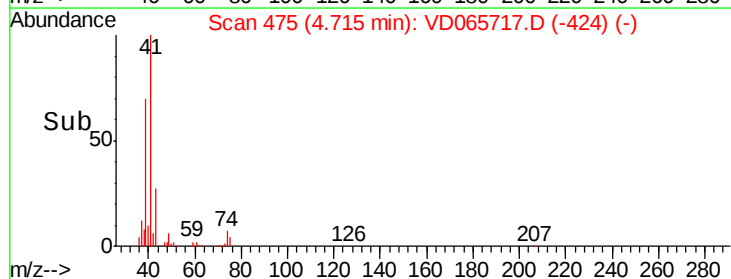
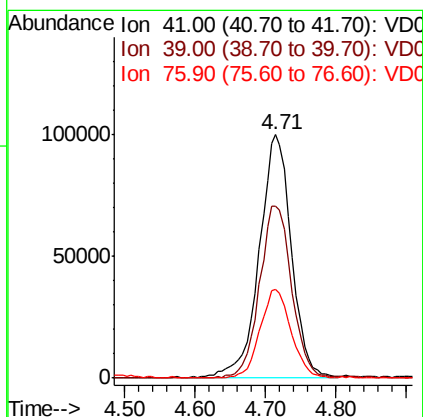
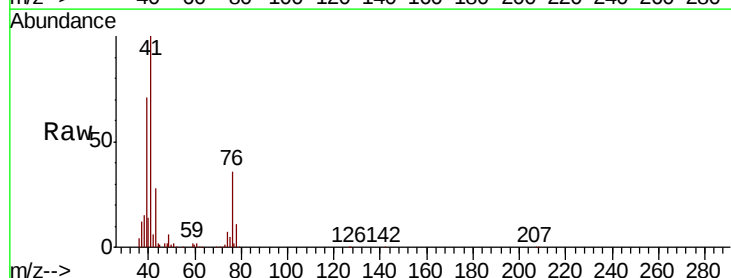
Tgt Ion: 41 Resp: 314356

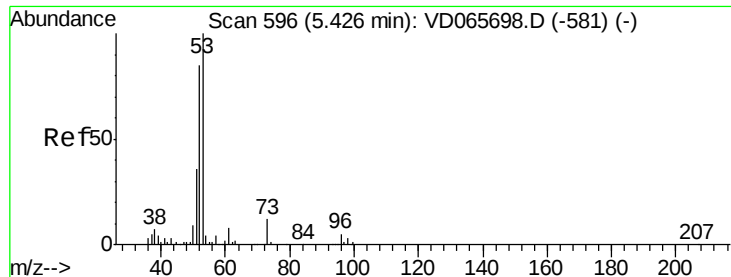
Ion Ratio Lower Upper

41 100

39 71.9 55.6 83.4

76 34.8 25.6 38.4





#15

Acrylonitrile

Concen: 214.425 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

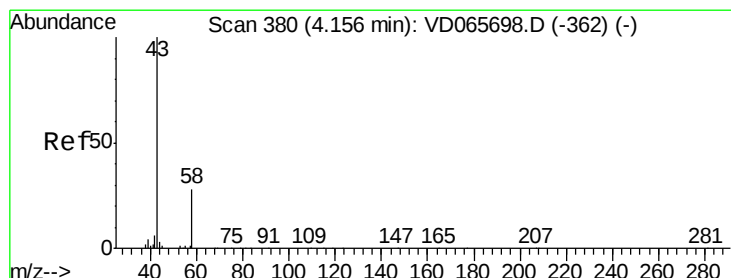
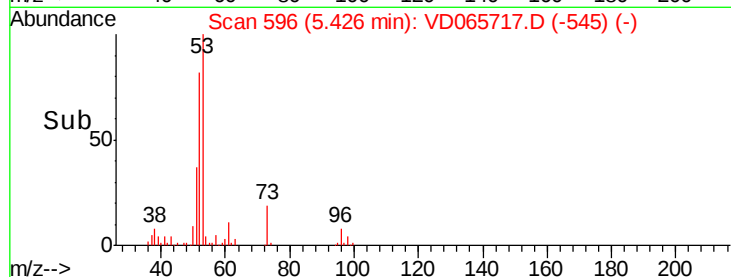
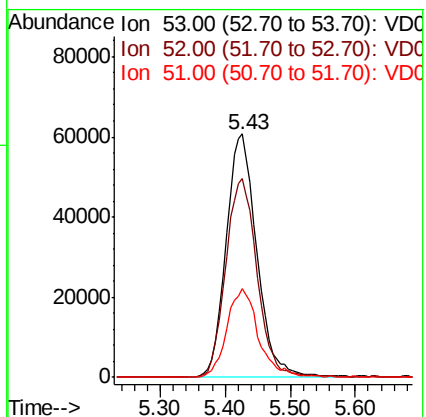
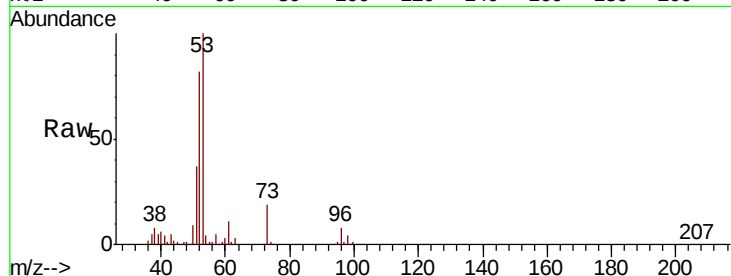
Tot Ion: 53 Resp: 198594

Ion Ratio Lower Upper

53 100

52 83.2 66.2 99.2

51 37.4 29.9 44.9



#16

Acetone

Concen: 239.739 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065717.D

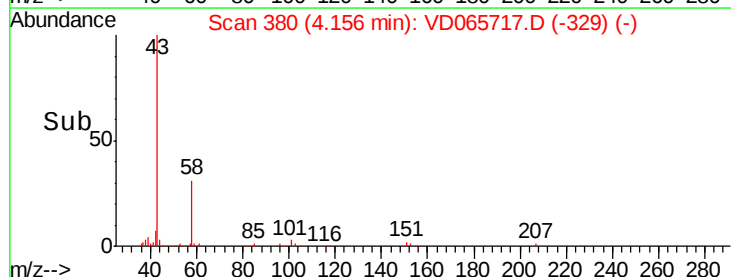
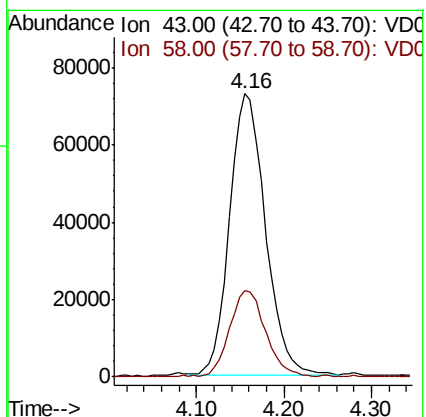
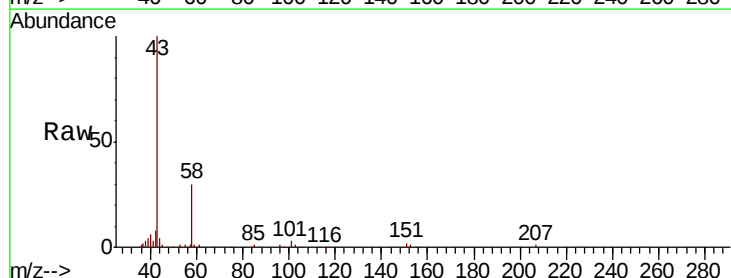
Acq: 08 May 2020 11:14

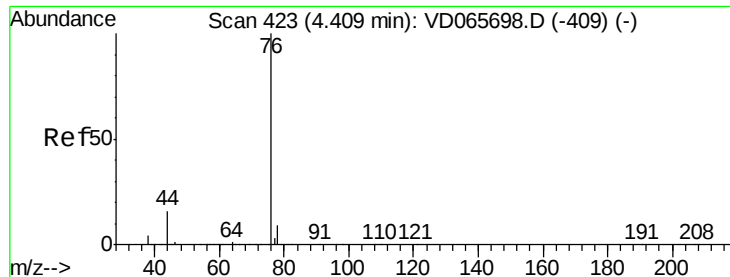
Tgt Ion: 43 Resp: 201645

Ion Ratio Lower Upper

43 100

58 30.4 22.5 33.7

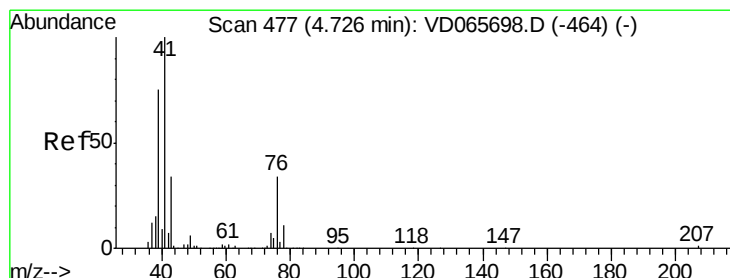
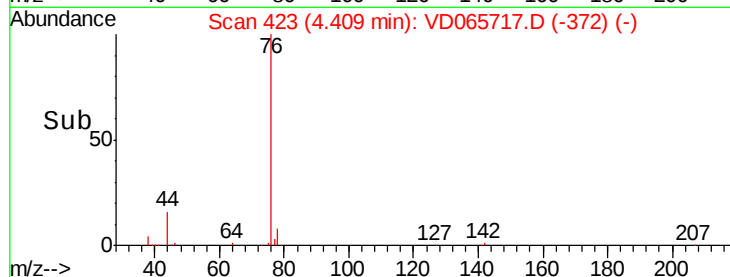
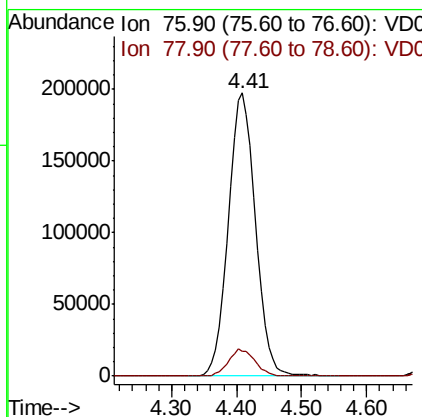
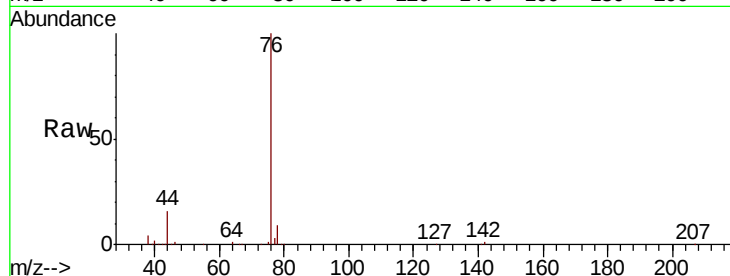




#17
Carbon Disulfide
Concen: 46.288 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

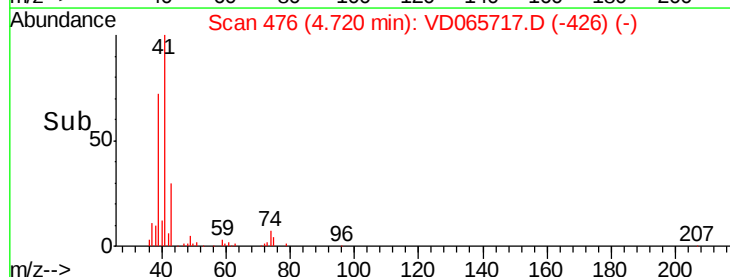
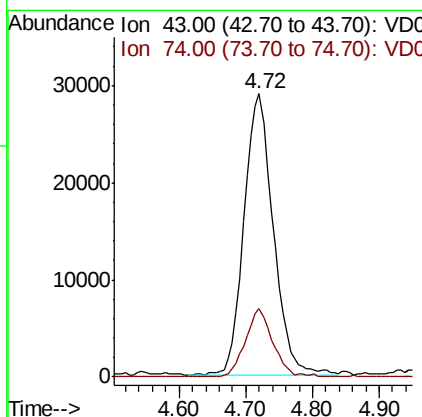
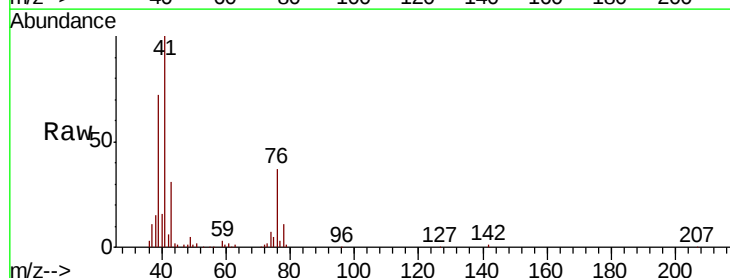
Instrument :
MSVOA_D
ClientSampleId :

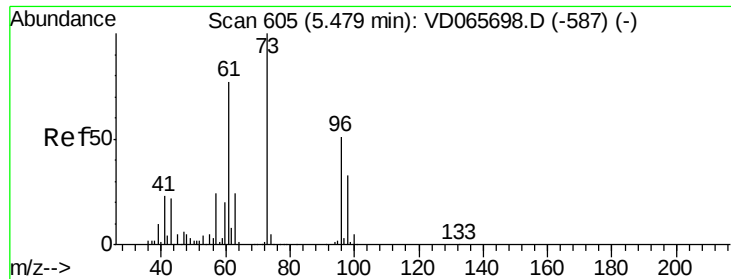
Tot Ion: 76 Resp: 571018
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2



#18
Methyl Acetate
Concen: 41.666 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion: 43 Resp: 87136
Ion Ratio Lower Upper
43 100
74 22.7 17.1 25.7

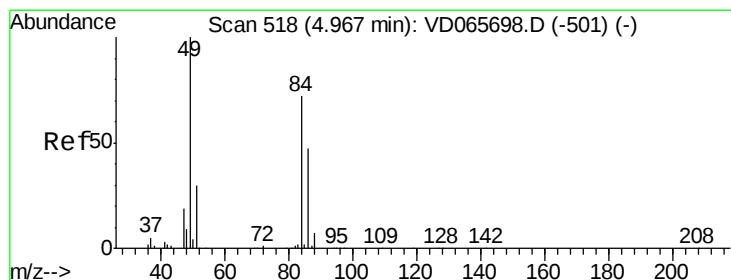
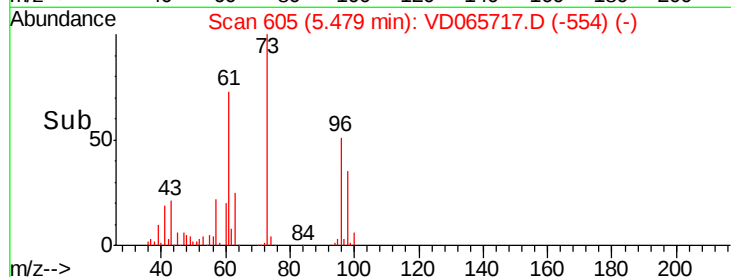
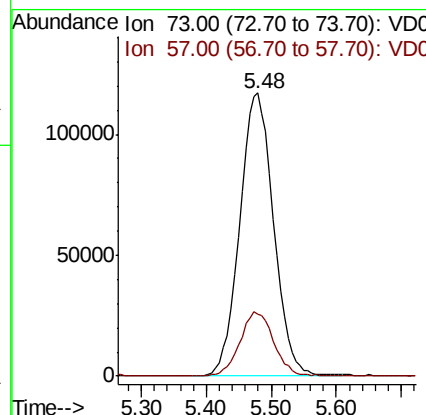
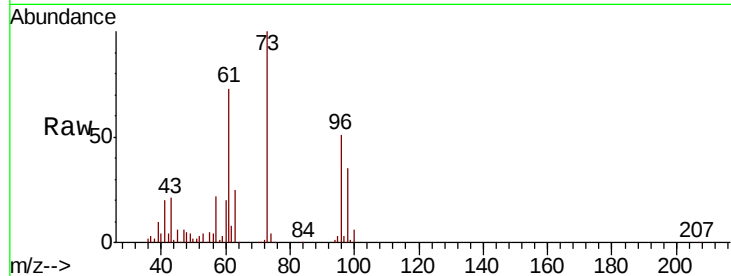




#19
Methyl tert-butyl Ether
Concen: 46.399 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

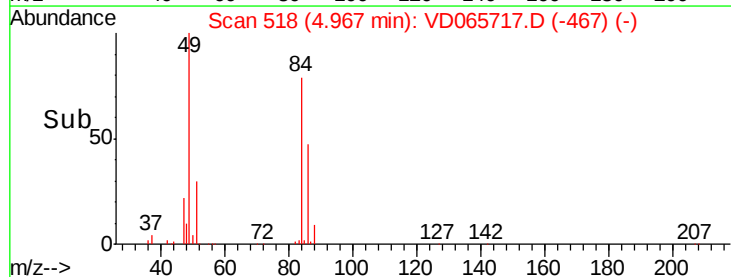
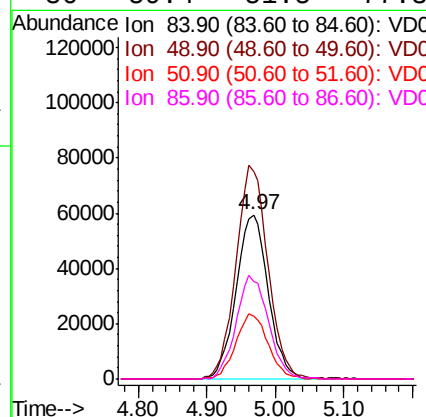
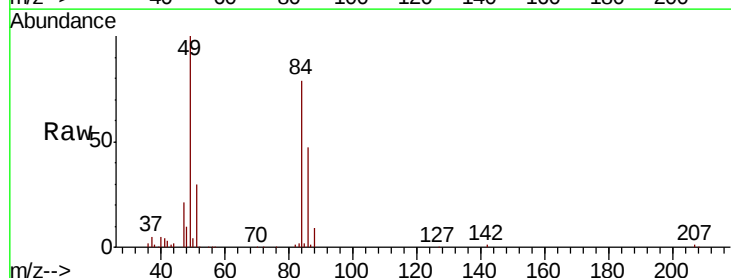
Instrument :
MSVOA_D
ClientSampled :

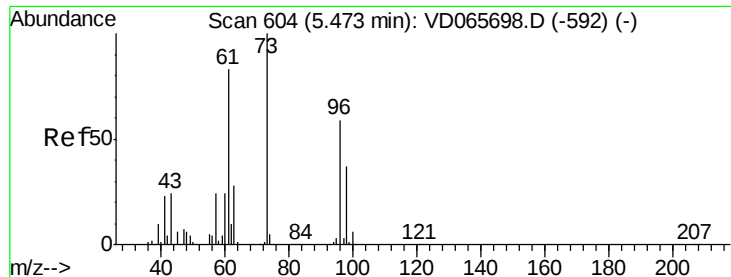
Tot Ion: 73 Resp: 422050
Ion Ratio Lower Upper
73 100
57 22.0 19.4 29.0



#20
Methylene Chloride
Concen: 45.708 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion: 84 Resp: 193665
Ion Ratio Lower Upper
84 100
49 126.8 110.4 165.6
51 38.1 33.4 50.2
86 59.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 46.613 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

ClientSampled :

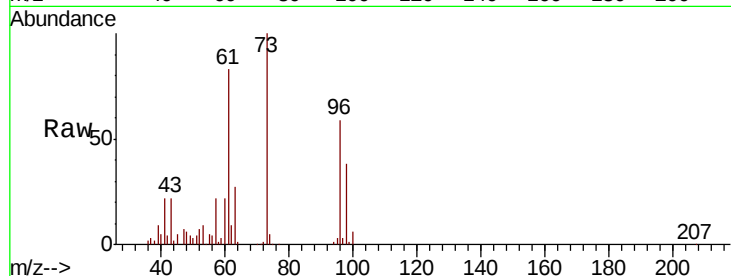
Tot Ion: 96 Resp: 200181

Ion Ratio Lower Upper

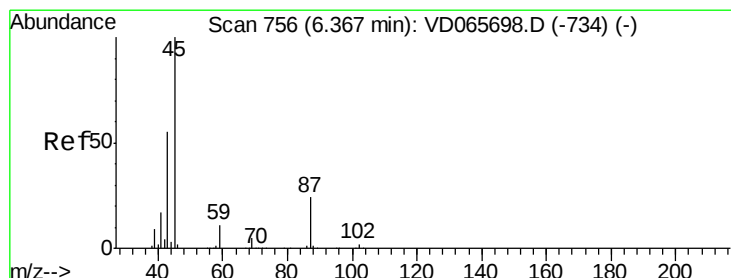
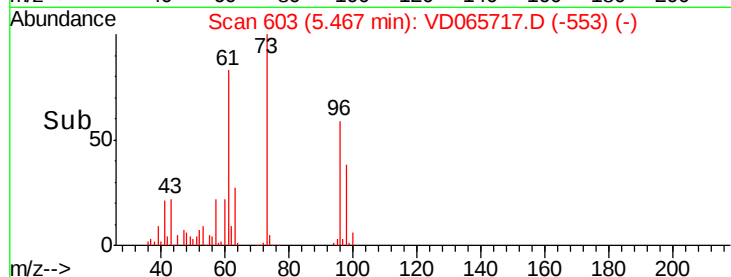
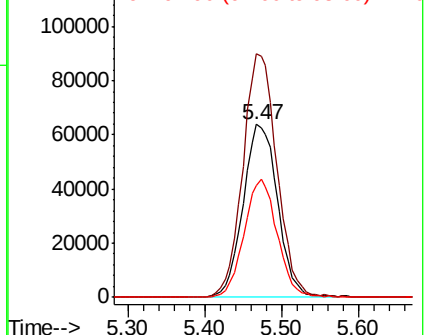
96 100

61 140.6 113.0 169.4

98 64.9 49.5 74.3



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: 43.575 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Tgt Ion: 45 Resp: 606008

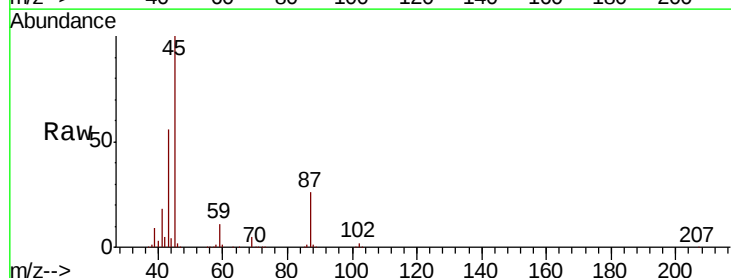
Ion Ratio Lower Upper

45 100

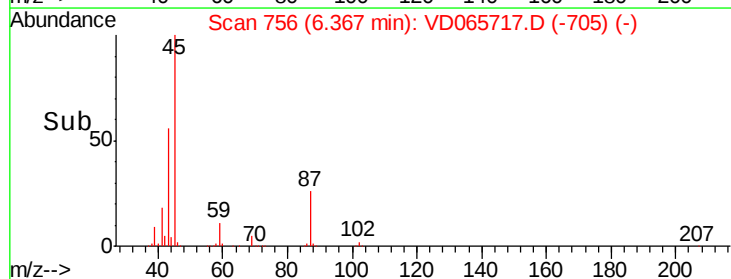
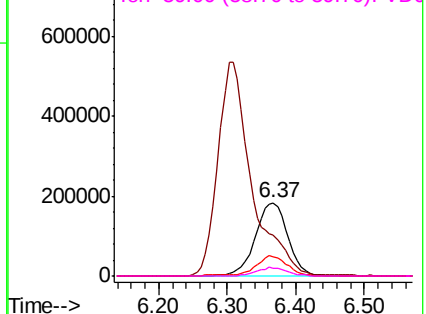
43 55.1 44.2 66.4

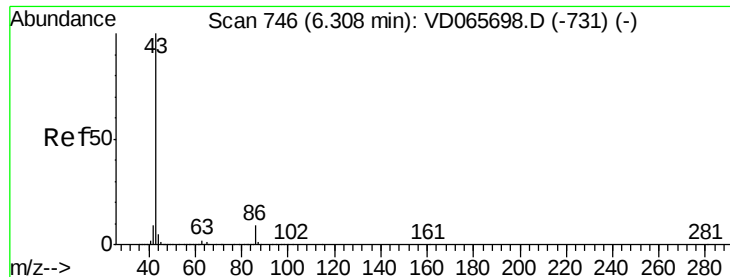
87 26.0 19.0 28.4

59 11.0 8.6 13.0



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: 218.145 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

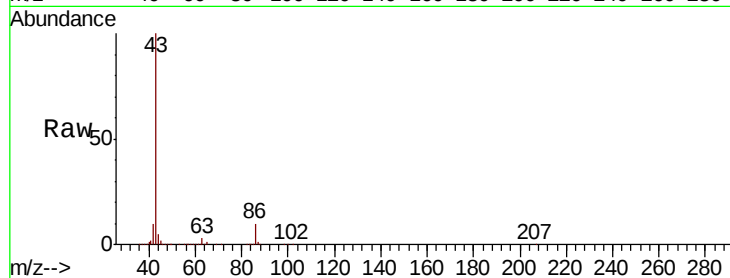
ClientSampleId :

Tot Ion: 43 Resp: 1832376

Ion Ratio Lower Upper

43 100

86 10.0 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

500000

400000

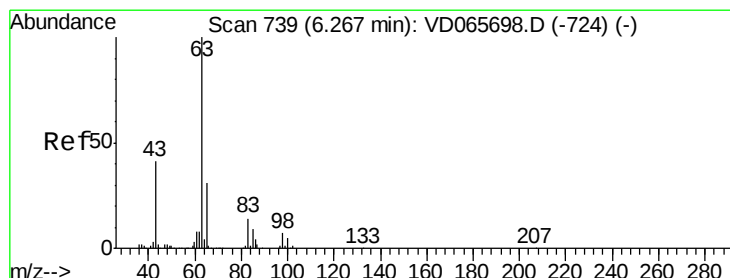
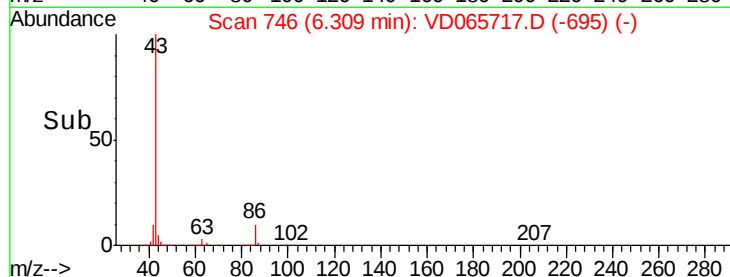
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.038 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

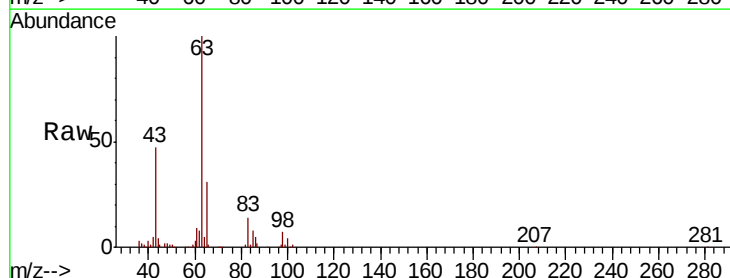
Tgt Ion: 63 Resp: 350745

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

100 4.4 2.3 6.9



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

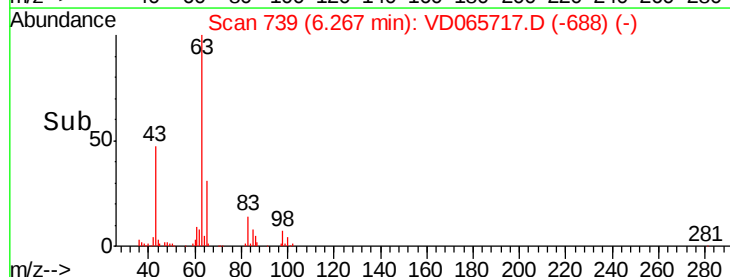
150000

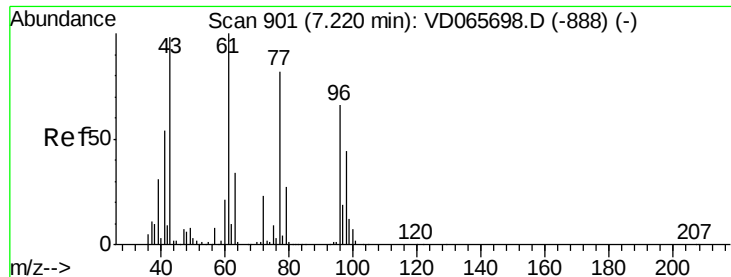
100000

50000

0

Time-->

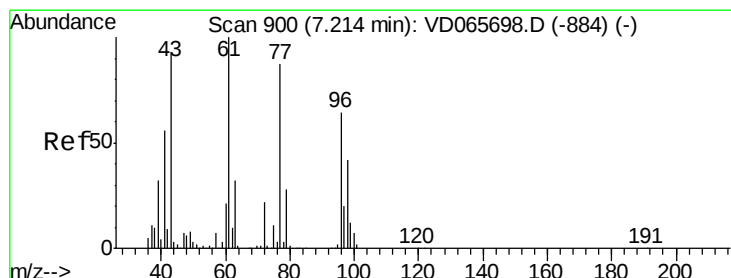
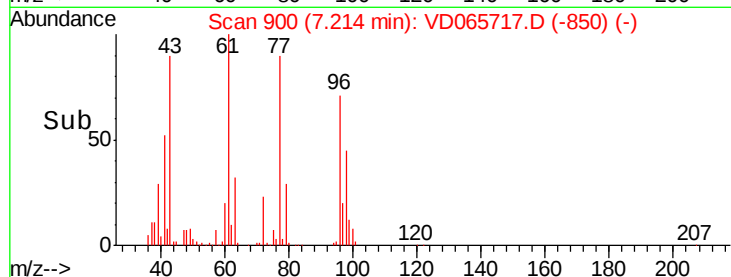
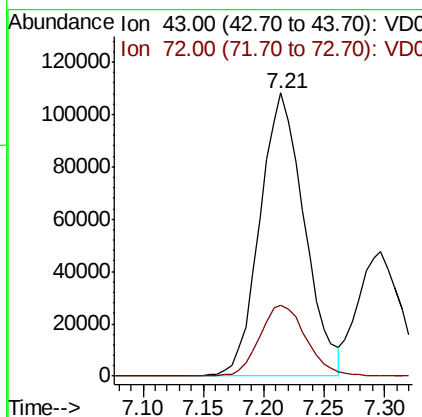
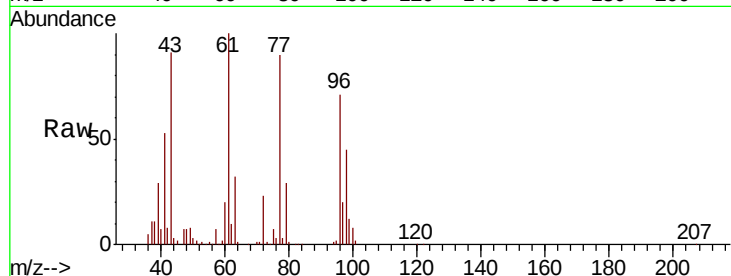




#25
2-Butanone
Concen: 220.333 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

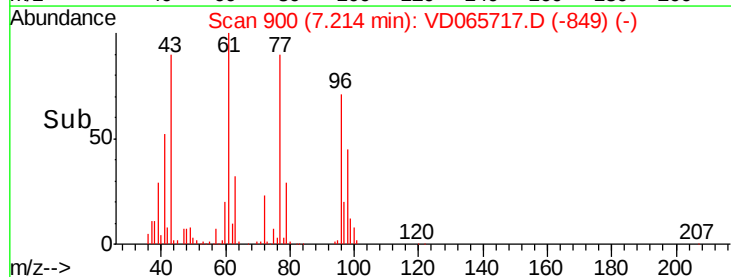
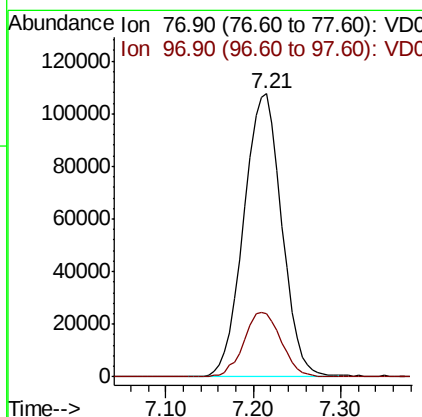
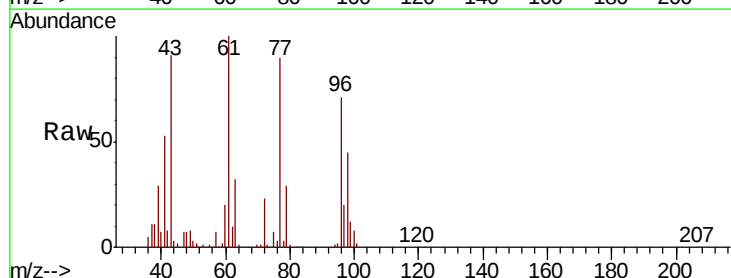
Instrument :
MSVOA_D
ClientSampled :

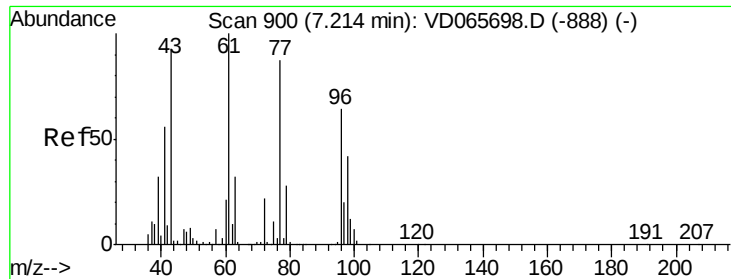
Tot Ion: 43 Resp: 274893
Ion Ratio Lower Upper
43 100
72 25.1 19.2 28.8



#26
2,2-Dichloropropane
Concen: 46.408 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion: 77 Resp: 318329
Ion Ratio Lower Upper
77 100
97 22.7 11.3 33.9



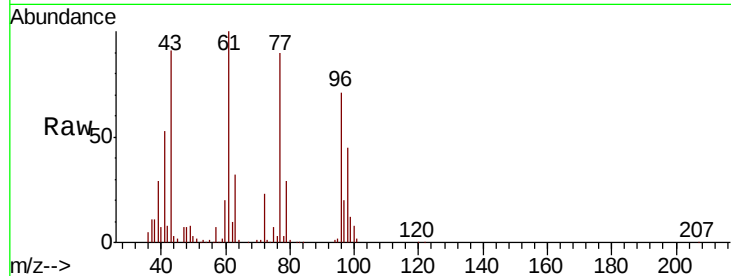


#27

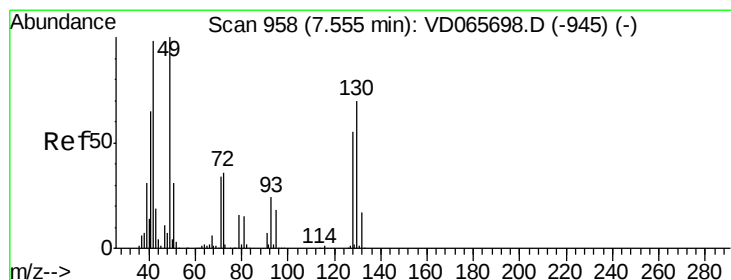
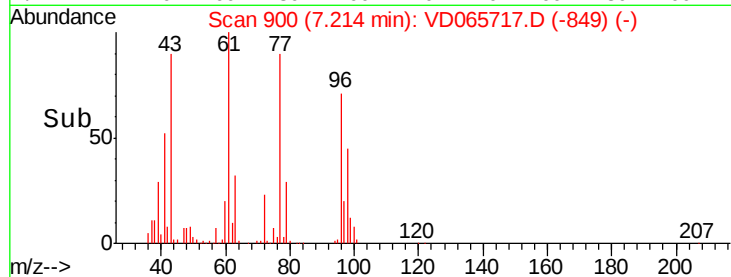
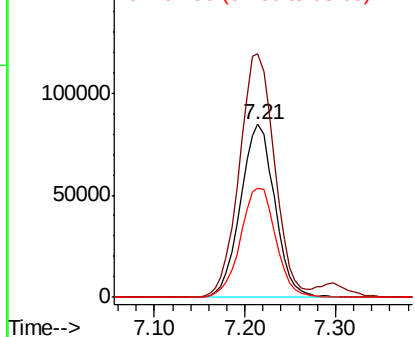
cis-1,2-Dichloroethene
 Concen: 47.791 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 222704
 Ion Ratio Lower Upper
 96 100
 61 144.5 0.0 306.6
 98 64.8 0.0 129.4



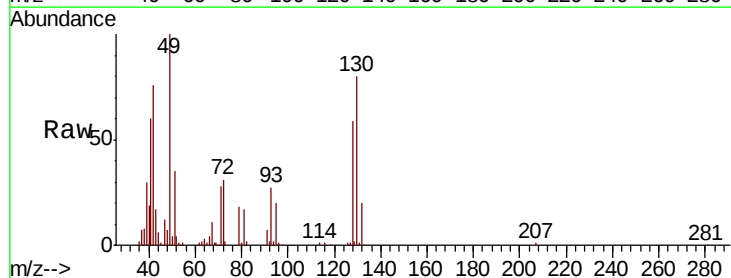
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



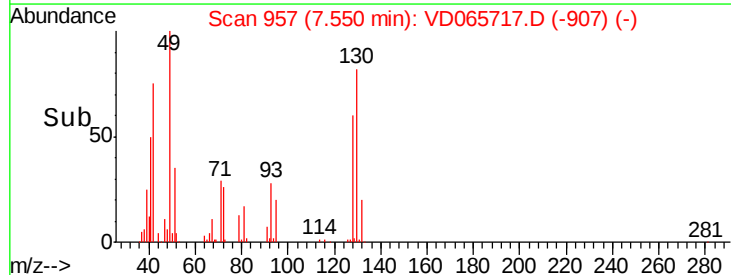
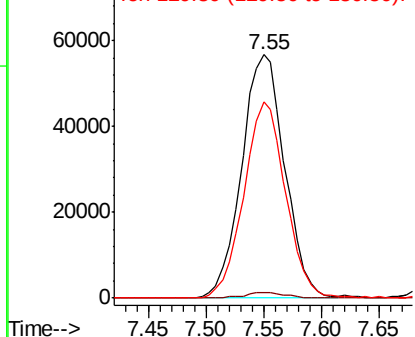
#28

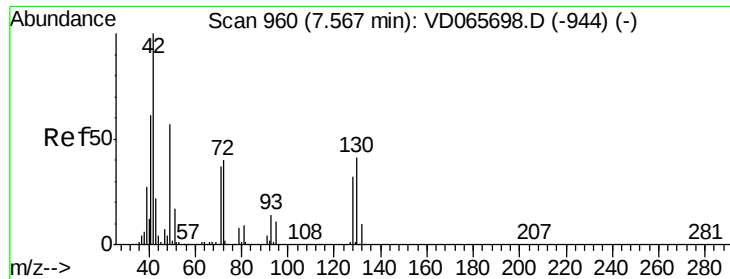
Bromochloromethane
 Concen: 46.307 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

Tgt Ion: 49 Resp: 147141
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 3.8
 130 77.9 56.4 84.6



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





#29

Tetrahydrofuran

Concen: 208.163 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

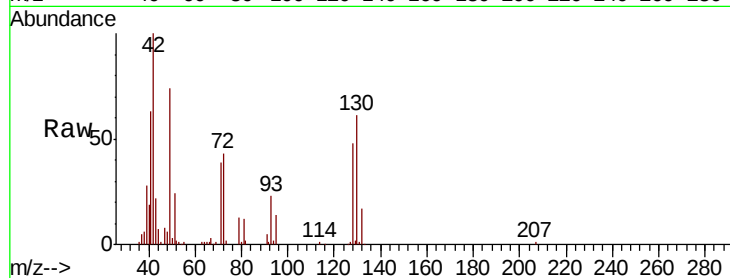
Tot Ion: 42 Resp: 167393

Ion Ratio Lower Upper

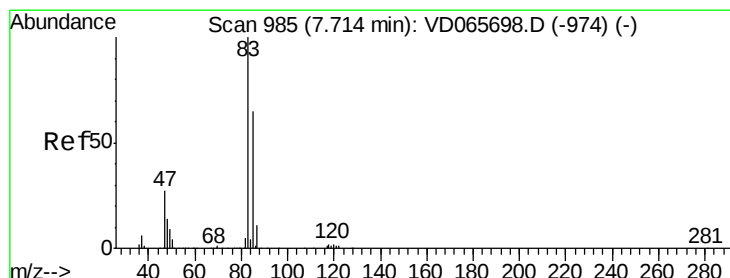
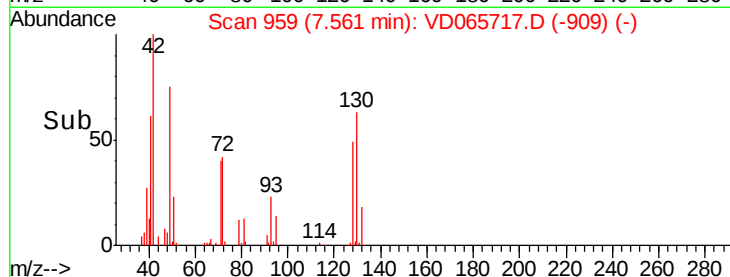
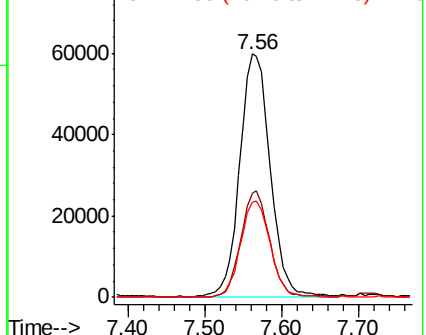
42 100

72 41.0 30.4 45.6

71 38.7 28.0 42.0



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: 47.055 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065717.D

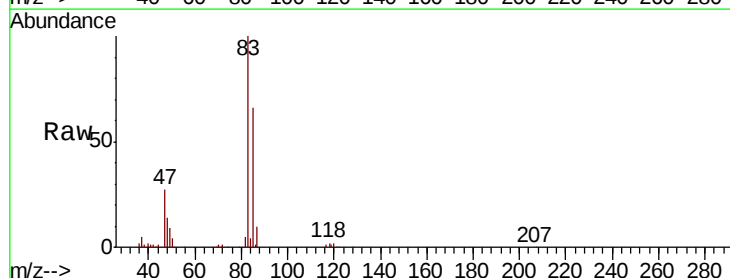
Acq: 08 May 2020 11:14

Tgt Ion: 83 Resp: 344981

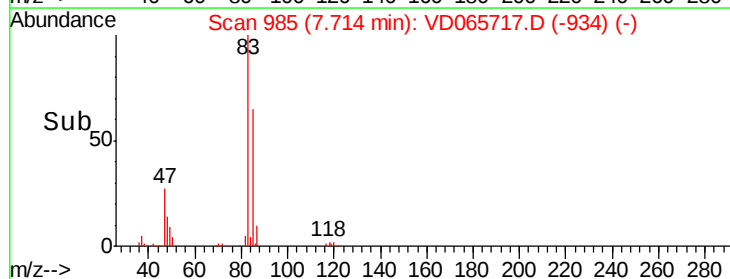
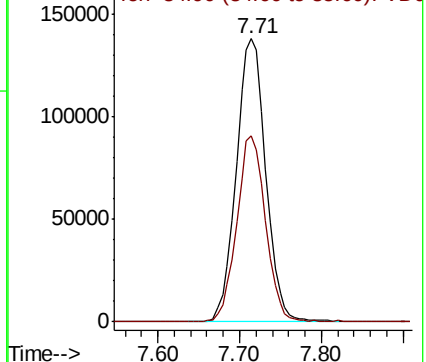
Ion Ratio Lower Upper

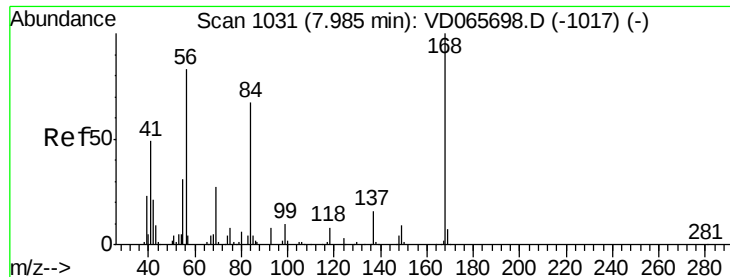
83 100

85 65.6 52.1 78.1



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

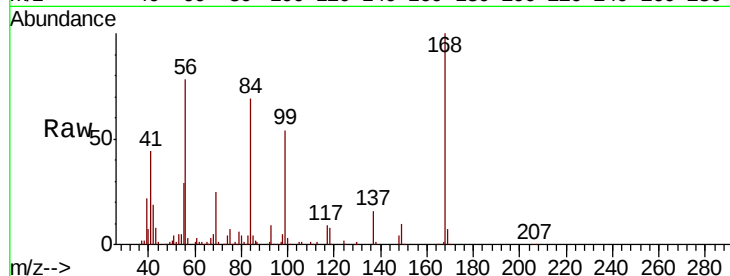




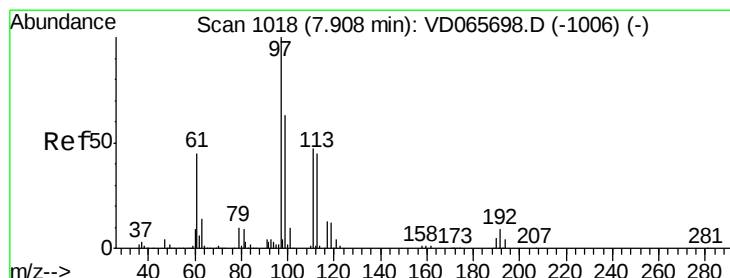
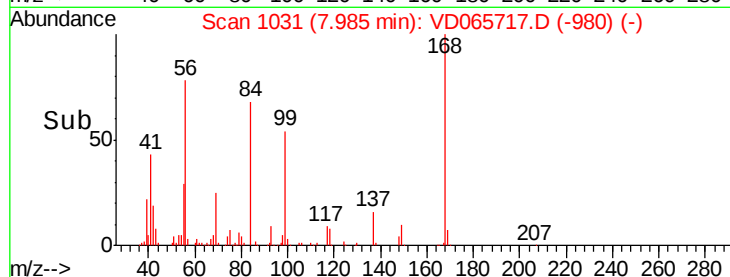
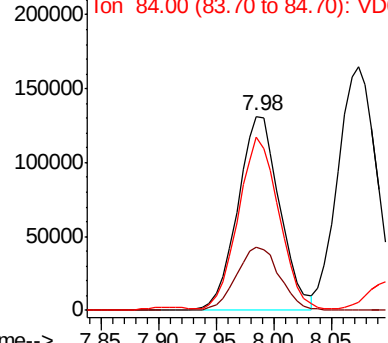
#31
Cyclohexane
Concen: 42.101 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 331890
Ion Ratio Lower Upper
56 100
69 32.4 26.3 39.5
84 87.5 64.5 96.7

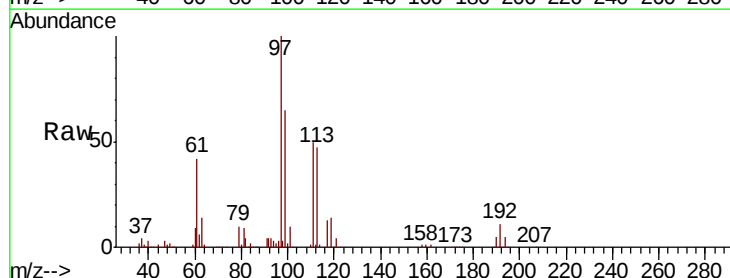


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

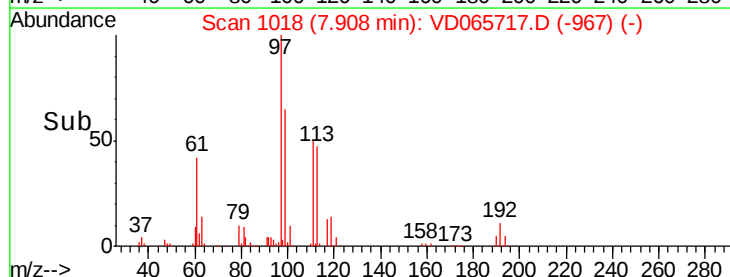
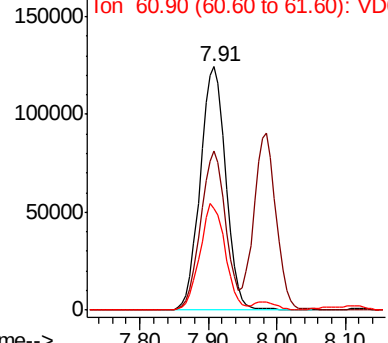


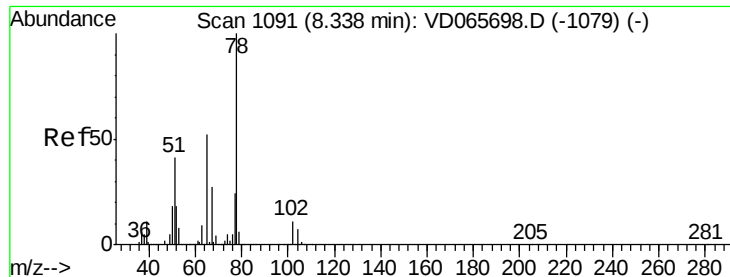
#32
1,1,1-Trichloroethane
Concen: 47.394 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion: 97 Resp: 322087
Ion Ratio Lower Upper
97 100
99 63.4 50.8 76.2
61 43.1 36.0 54.0



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: 44.042 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

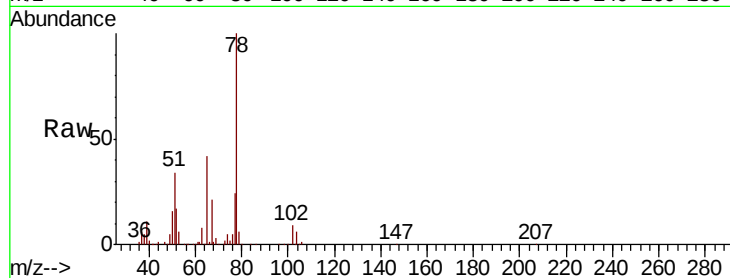
ClientSampleId :

Tot Ion: 65 Resp: 173504

Ion Ratio Lower Upper

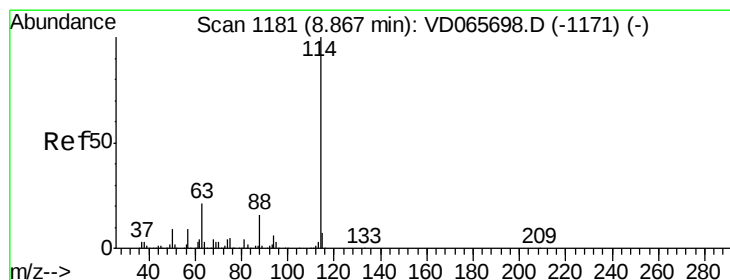
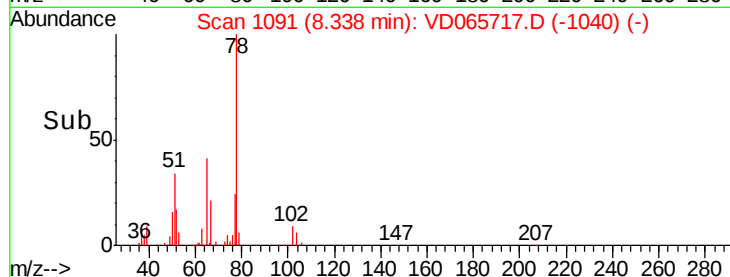
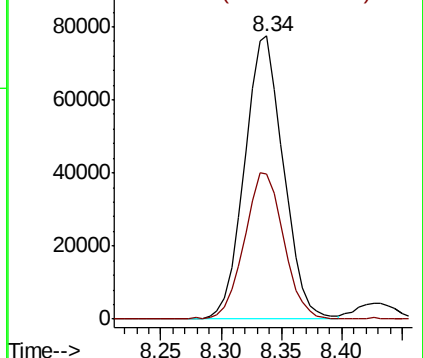
65 100

67 52.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

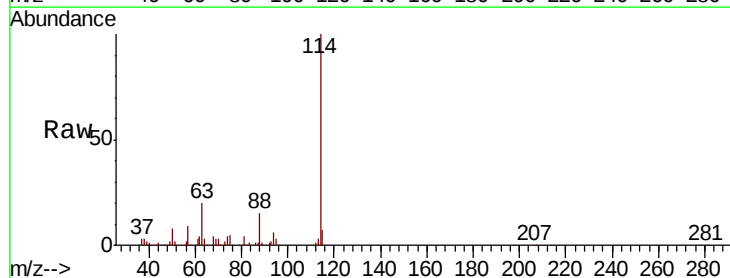
Tgt Ion: 114 Resp: 591406

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

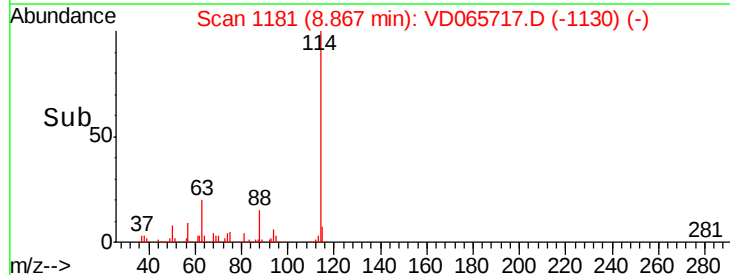
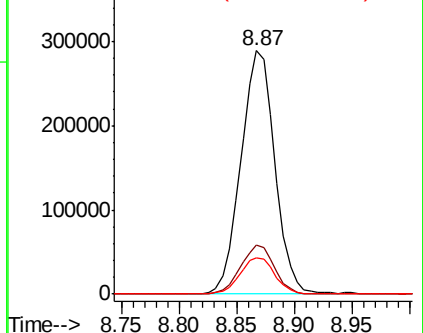
88 14.9 0.0 32.6

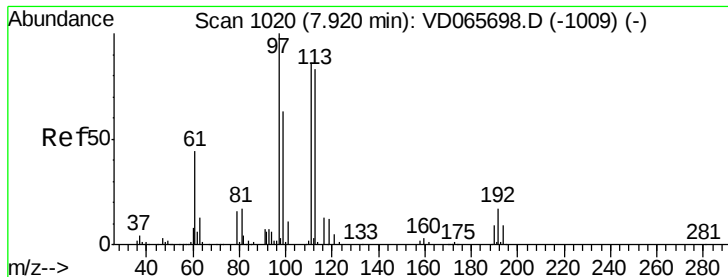


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

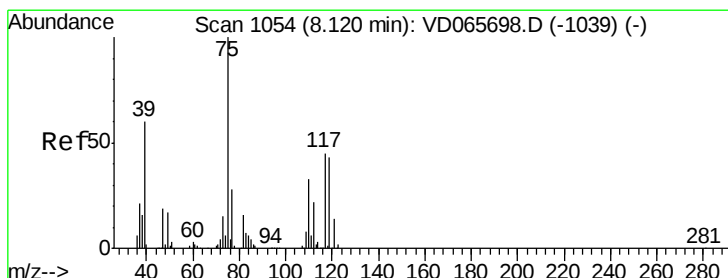
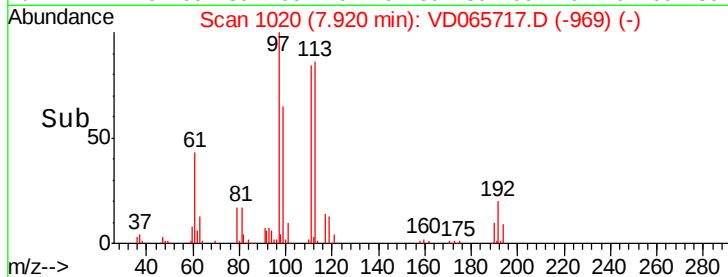
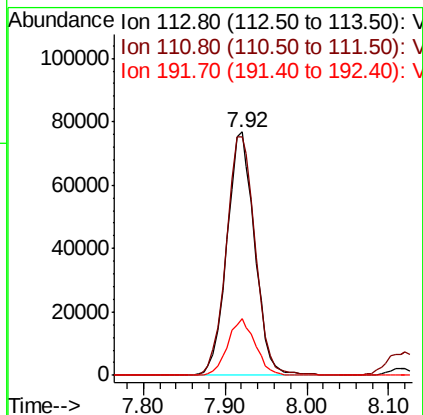
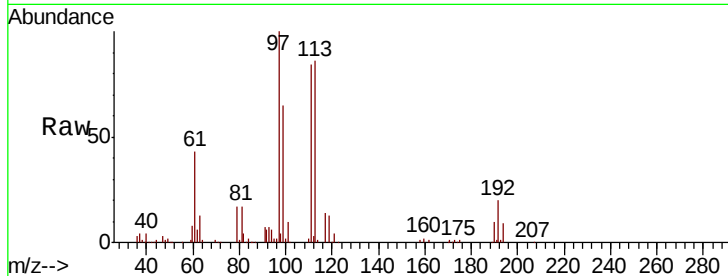




#35
 Dibromofluoromethane
 Concen: 48.911 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

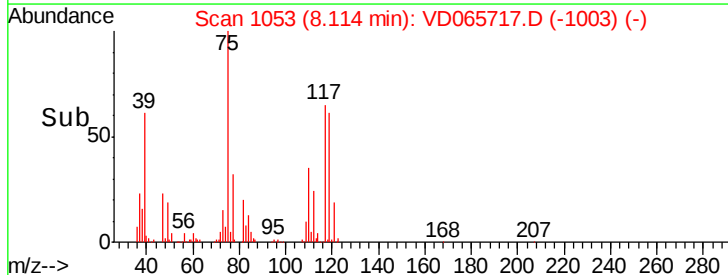
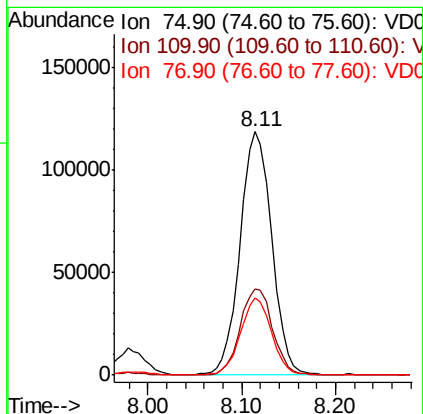
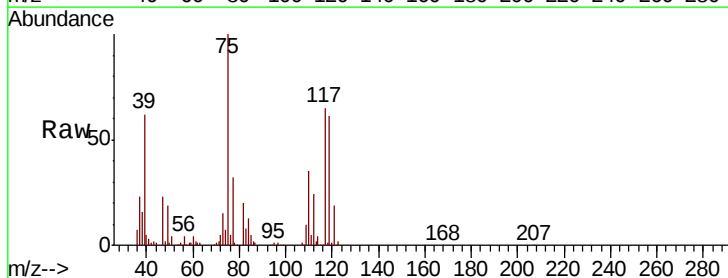
Instrument :
 MSVOA_D
 ClientSampled :

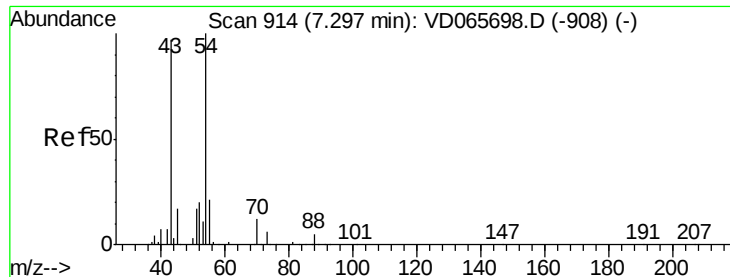
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.7	124.1
192	23.0	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 47.039 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.2	51.6
77	31.4	23.7	35.5





#37

Ethyl Acetate

Concen: 42.506 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :
MSVOA_D
ClientSampled :

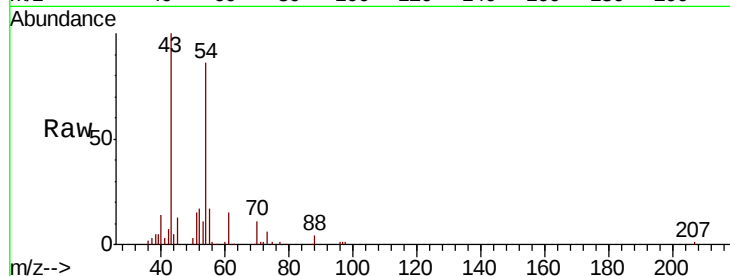
Tot Ion: 43 Resp: 120212

Ion Ratio Lower Upper

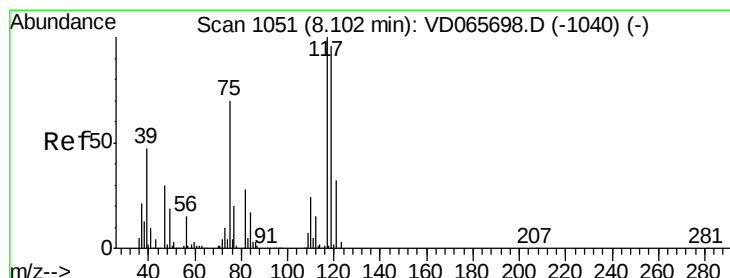
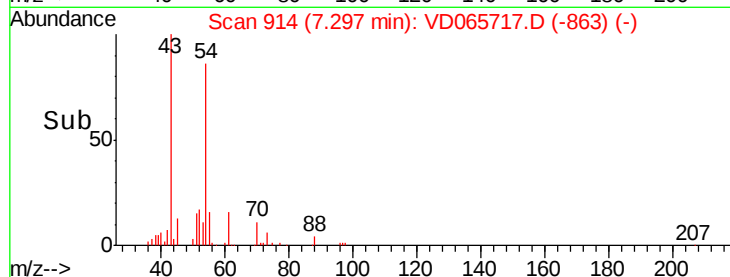
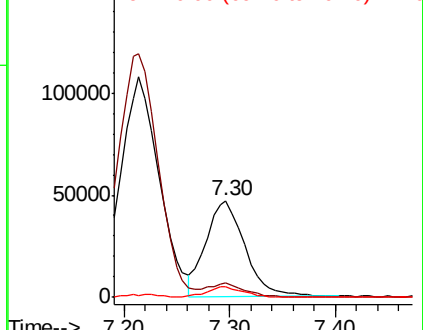
43 100

61 12.9 9.9 14.9

70 10.4 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 49.621 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

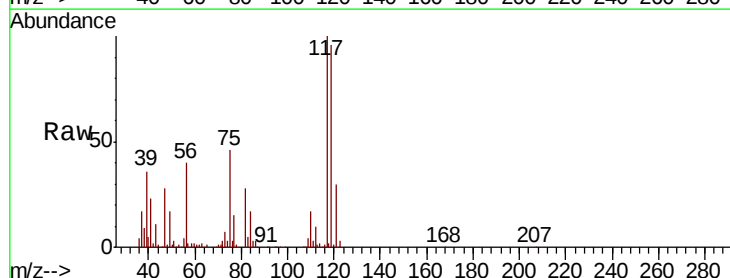
Tgt Ion: 117 Resp: 288957

Ion Ratio Lower Upper

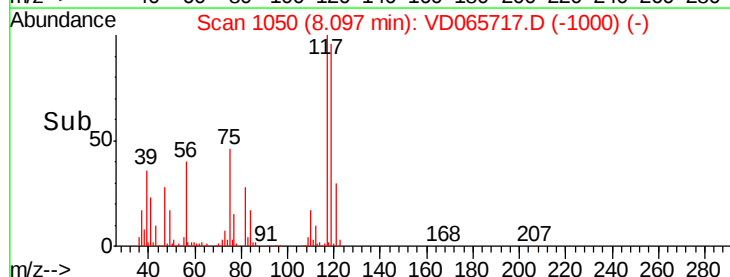
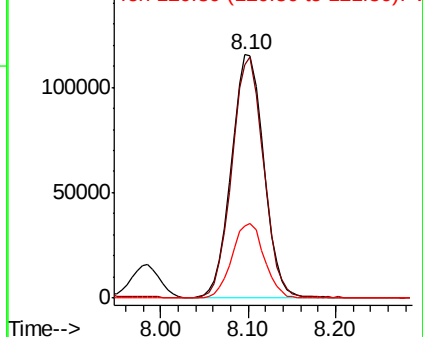
117 100

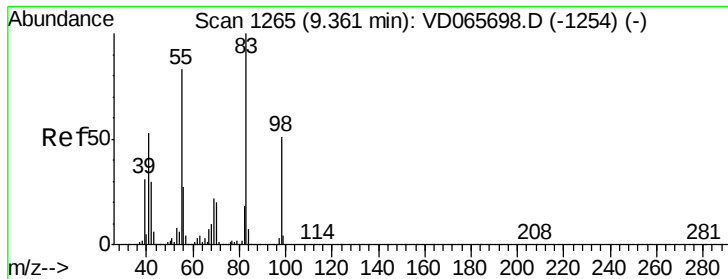
119 96.1 77.1 115.7

121 29.7 25.5 38.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

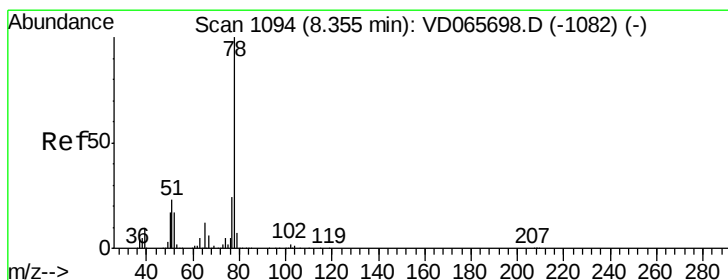
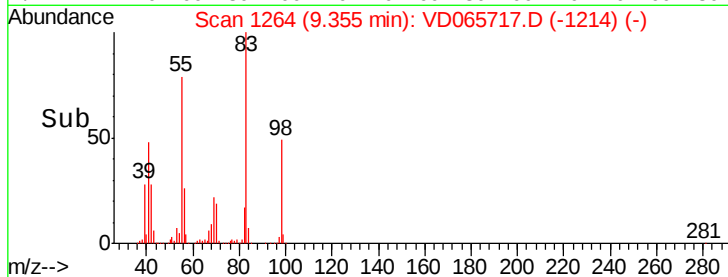
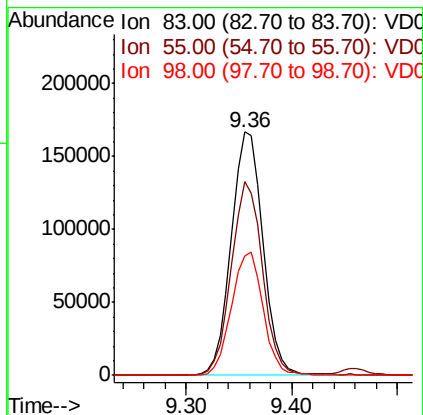
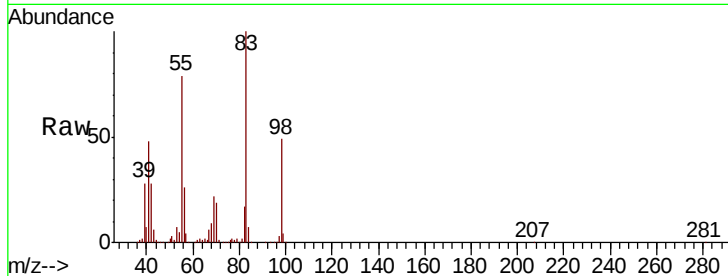




#39
Methvlcvclohexane
Concen: 47.222 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

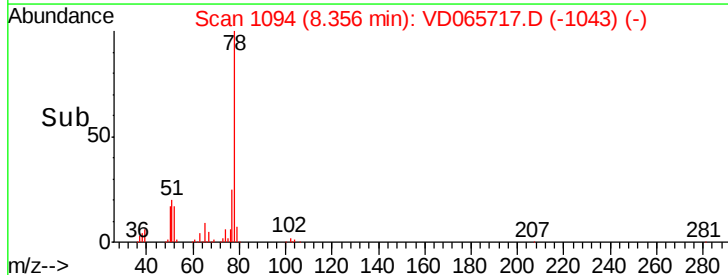
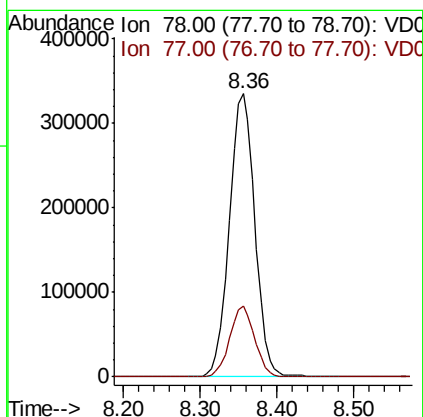
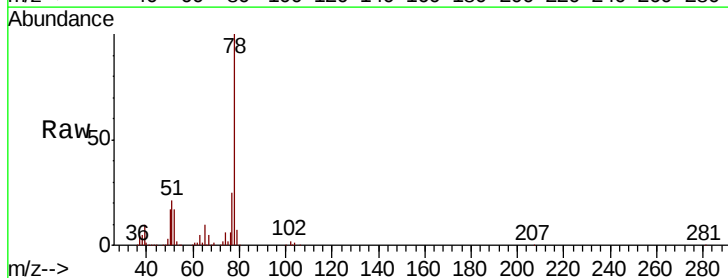
Instrument :
MSVOA_D
ClientSampled :

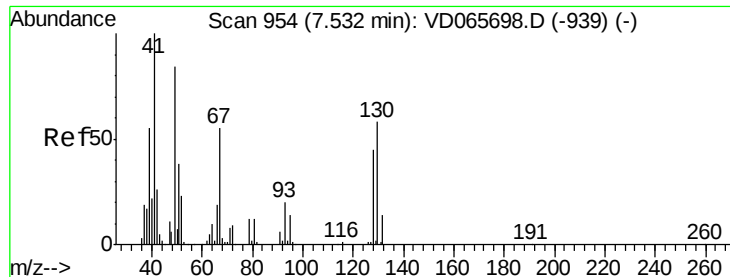
Tot Ion: 83 Resp: 348202
Ion Ratio Lower Upper
83 100
55 79.1 66.0 99.0
98 49.2 41.0 61.4



#40
Benzene
Concen: 48.320 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion: 78 Resp: 775070
Ion Ratio Lower Upper
78 100
77 25.0 19.6 29.4

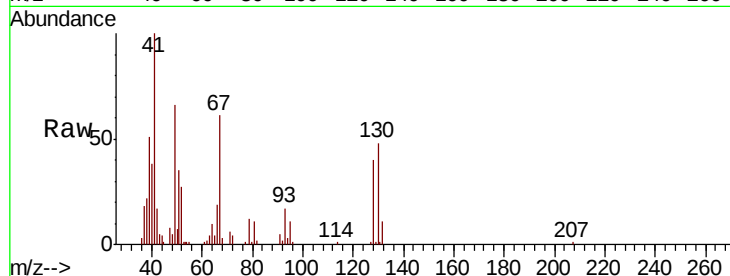




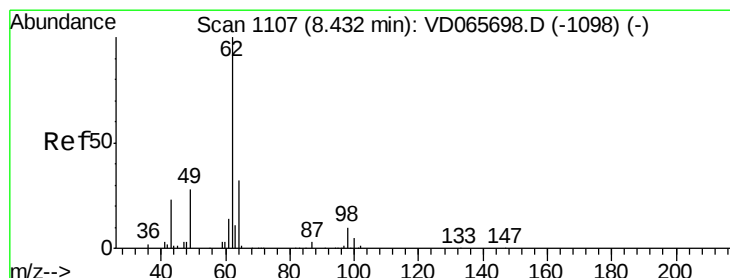
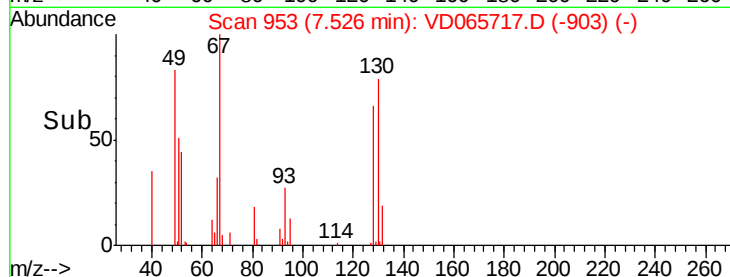
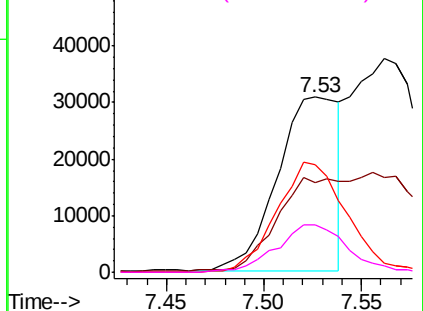
#41
Methacrylonitrile
Concen: 41.270 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 67321
Ion Ratio Lower Upper
41 100
39 0.0 52.5 78.7#
67 71.9 59.4 89.0
52 31.6 25.6 38.4

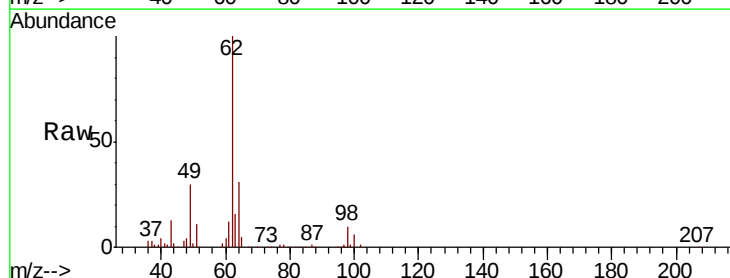


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

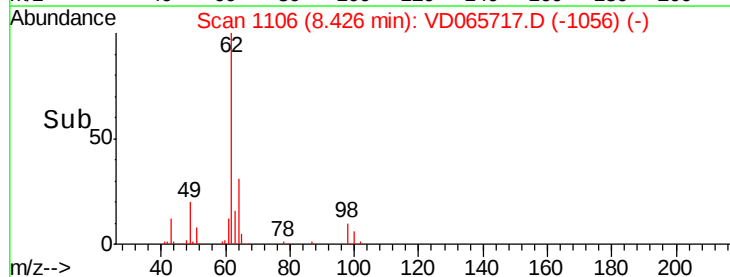
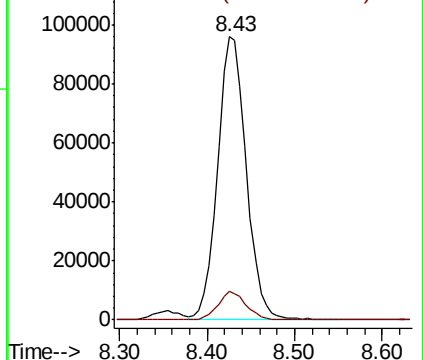


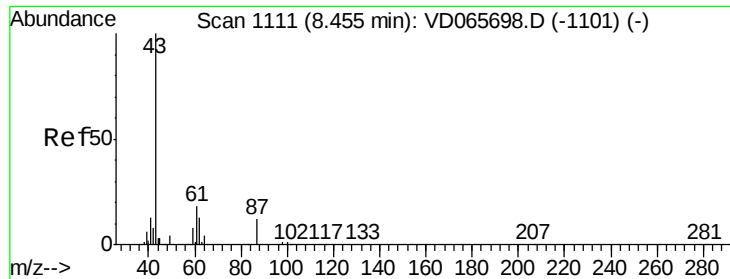
#42
1,2-Dichloroethane
Concen: 46.743 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion: 62 Resp: 215749
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.2



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





#43

Isopropyl Acetate

Concen: 43.841 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

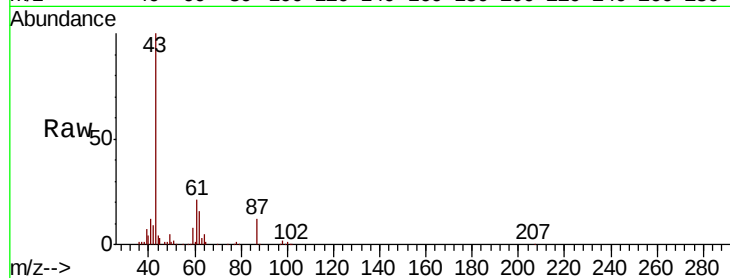
Tot Ion: 43 Resp: 247939

Ion Ratio Lower Upper

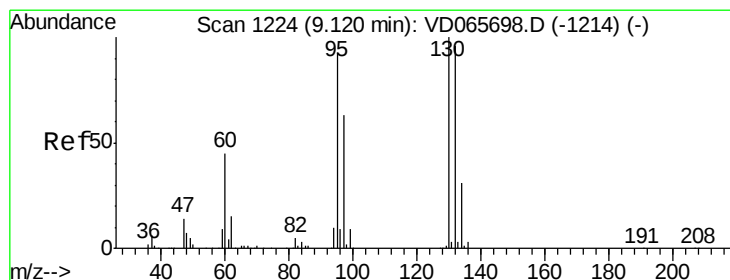
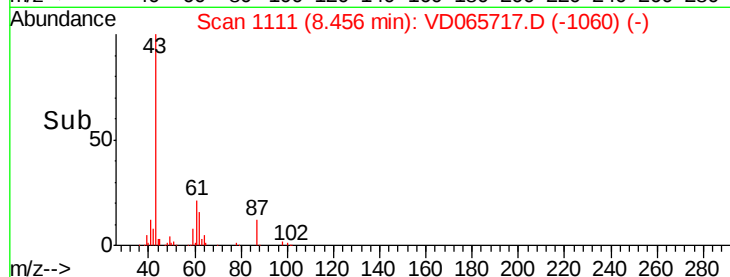
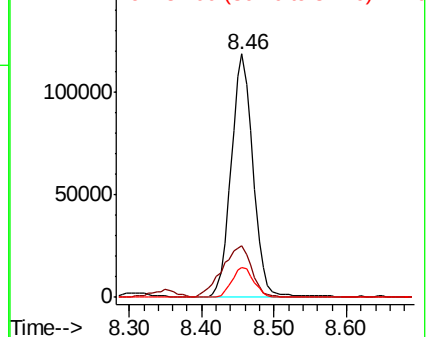
43 100

61 28.7 21.9 32.9

87 12.4 9.4 14.2



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: 51.720 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD065717.D

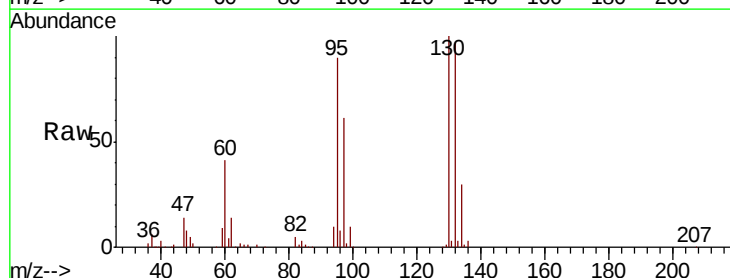
Acq: 08 May 2020 11:14

Tgt Ion:130 Resp: 228624

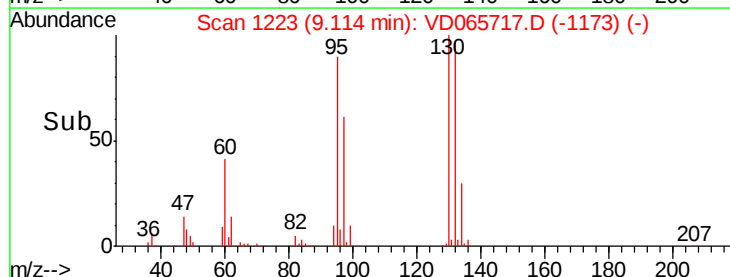
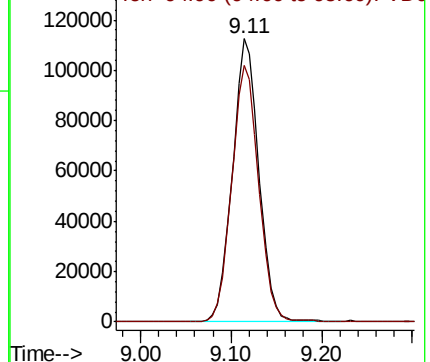
Ion Ratio Lower Upper

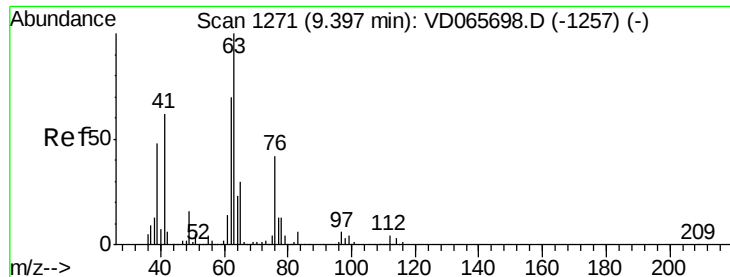
130 100

95 90.4 0.0 185.2



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





#45

1,2-Dichloropropane

Concen: 46.690 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

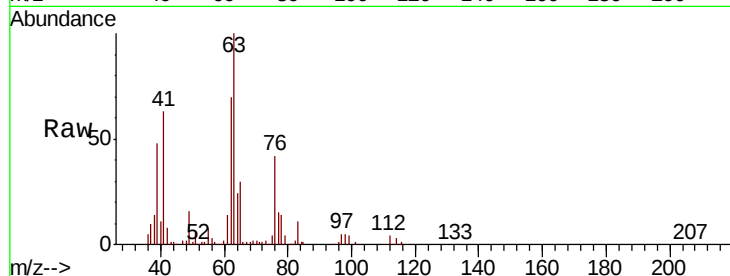
ClientSampled :

Tot Ion: 63 Resp: 193677

Ion Ratio Lower Upper

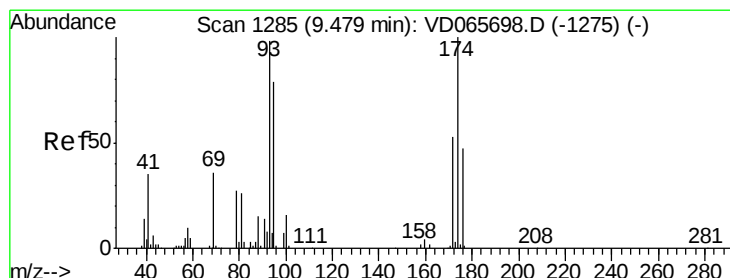
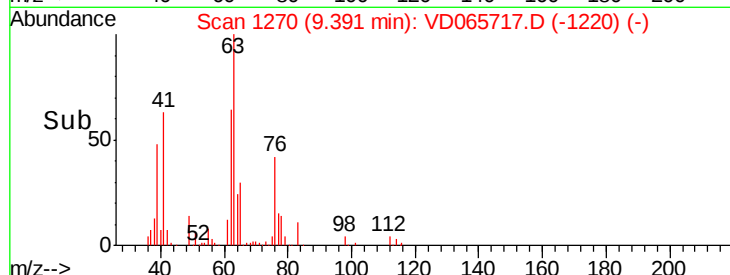
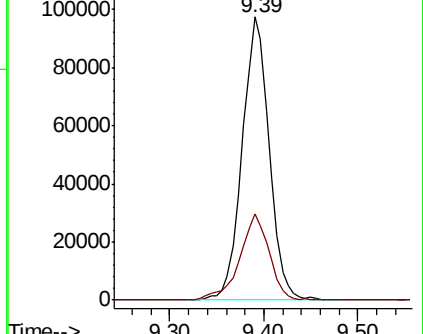
63 100

65 30.4 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 47.987 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

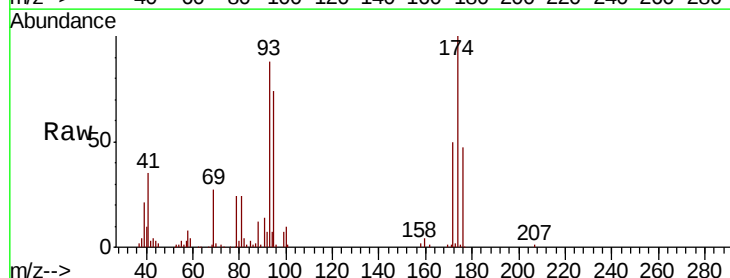
Tgt Ion: 93 Resp: 99850

Ion Ratio Lower Upper

93 100

95 83.0 65.3 97.9

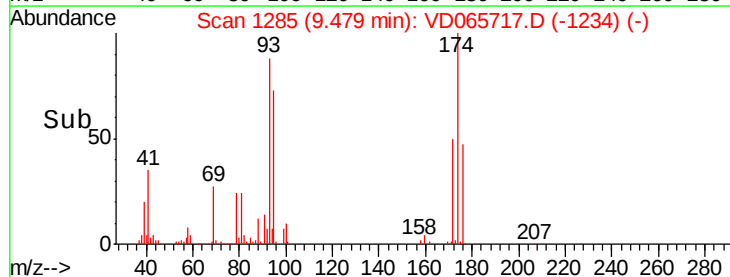
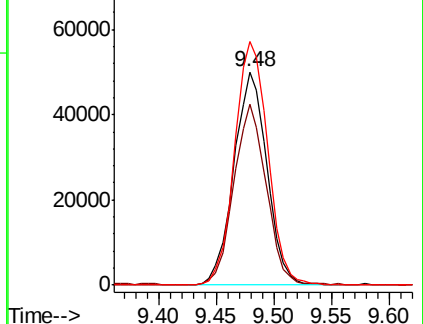
174 114.3 82.7 124.1

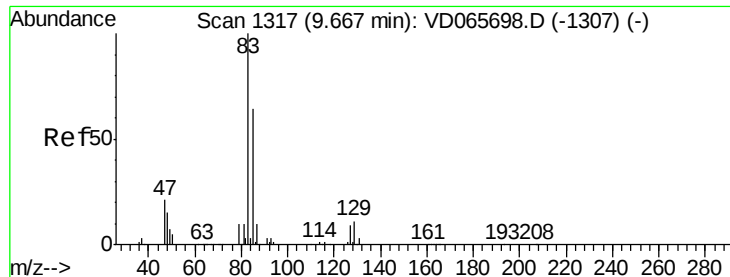


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 48.133 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

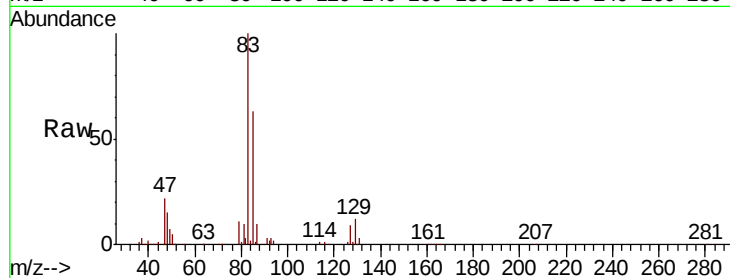
Tot Ion: 83 Resp: 267828

Ion Ratio Lower Upper

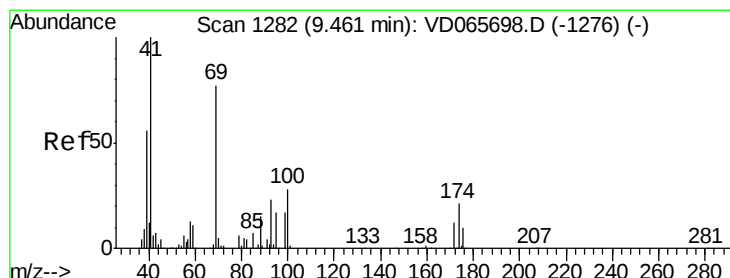
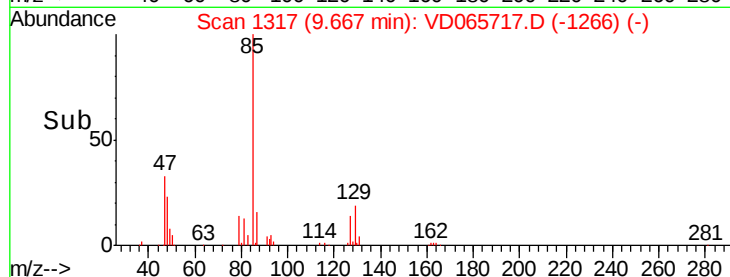
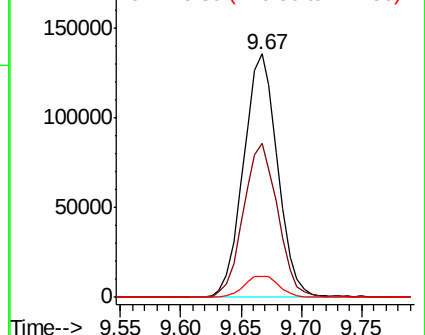
83 100

85 63.4 50.9 76.3

127 8.8 6.9 10.3



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: 43.270 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

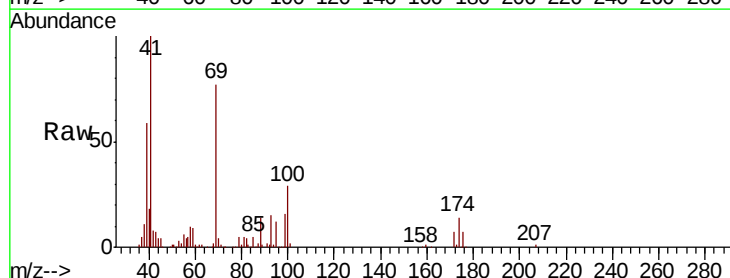
Tgt Ion: 41 Resp: 122529

Ion Ratio Lower Upper

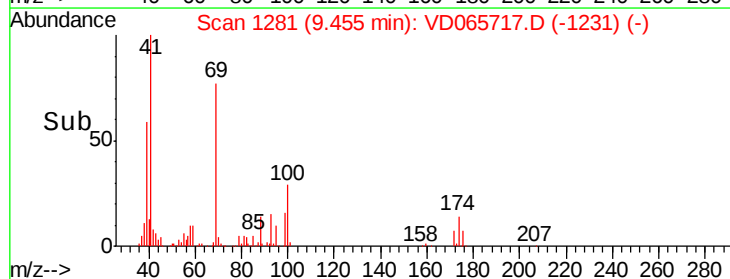
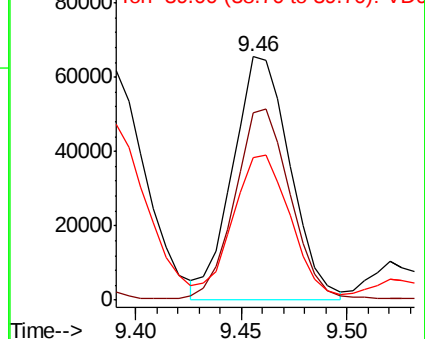
41 100

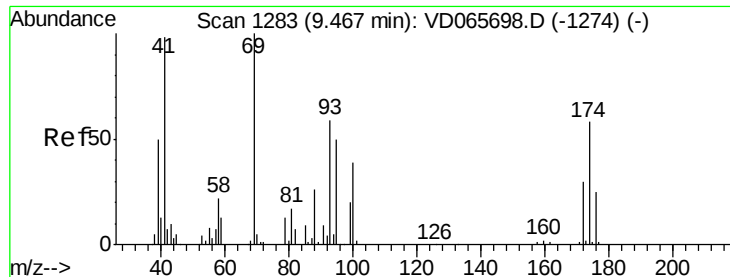
69 76.7 58.2 87.2

39 56.4 43.3 64.9



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

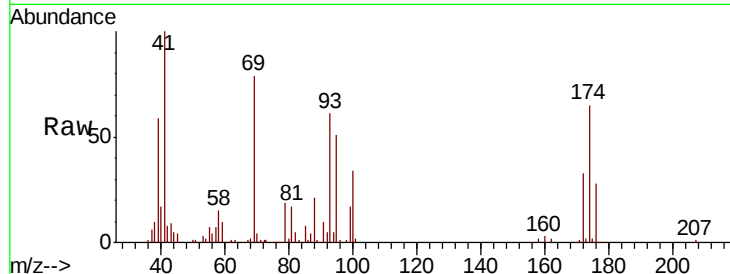




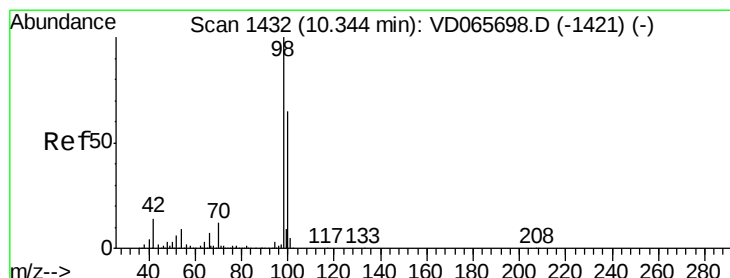
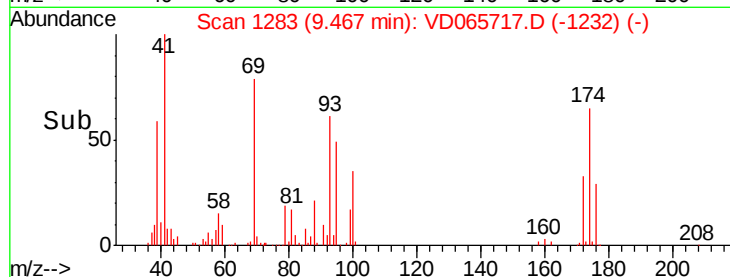
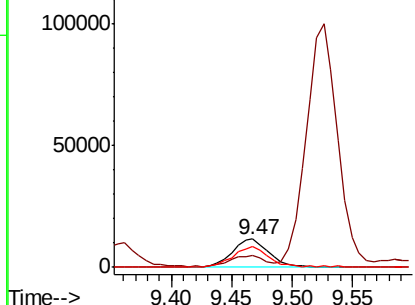
#49
1,4-Dioxane
Concen: 948.950 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 24204
Ion Ratio Lower Upper
88 100
43 35.6 31.6 47.4
58 70.6 60.2 90.4

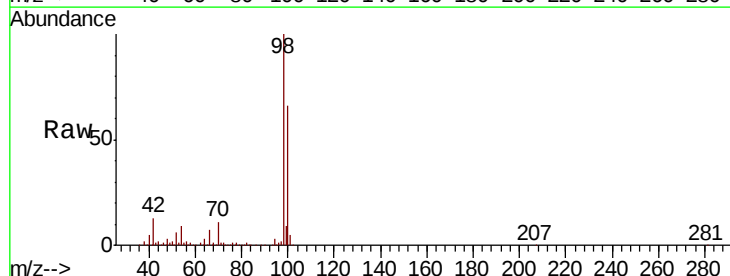


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

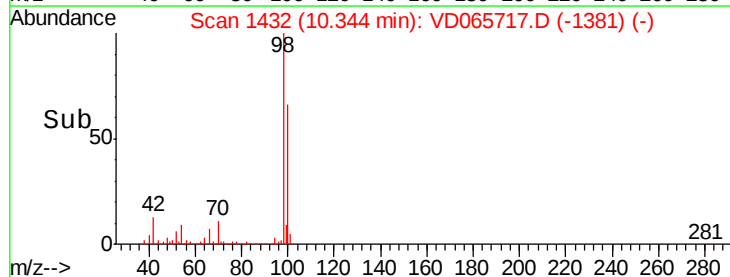
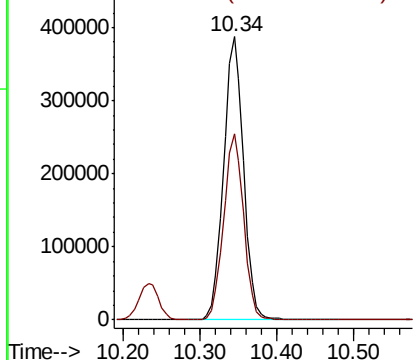


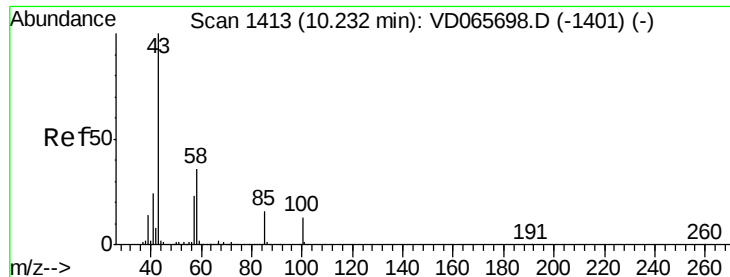
#50
Toluene-d8
Concen: 49.106 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion: 98 Resp: 697039
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8



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

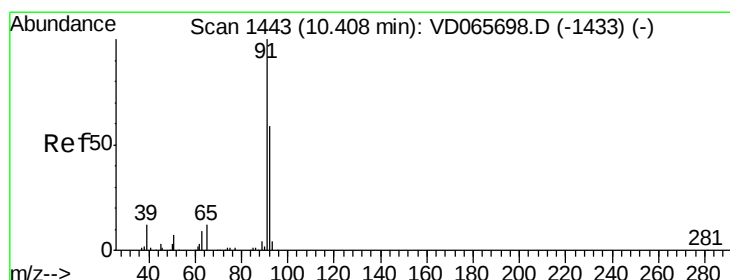
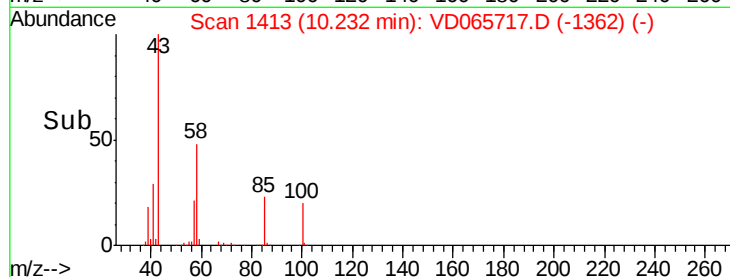
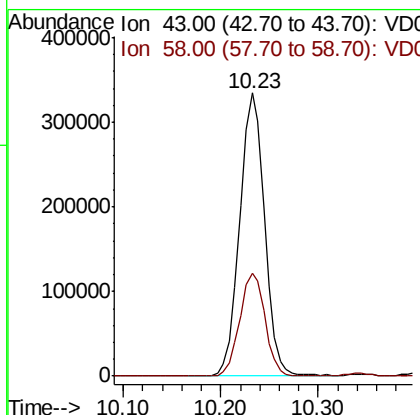
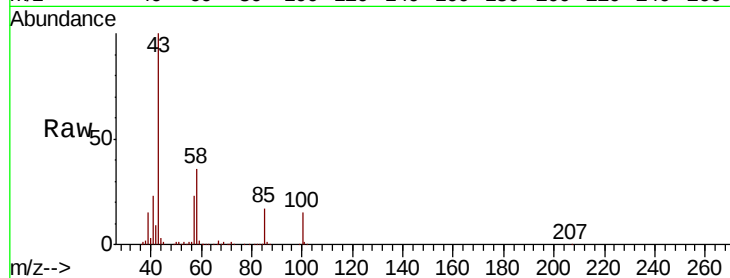




#51
 4-Methyl-2-Pentanone
 Concen: 218.164 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

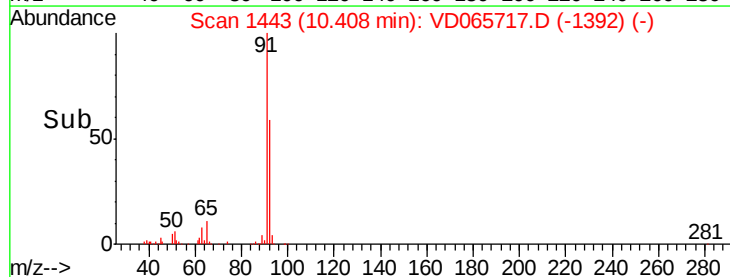
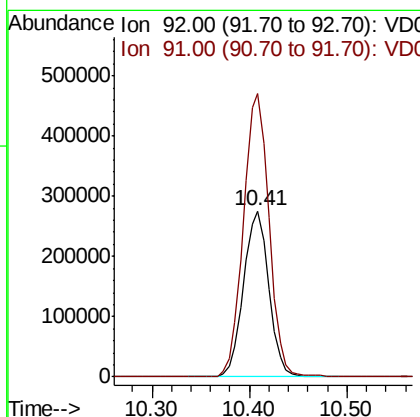
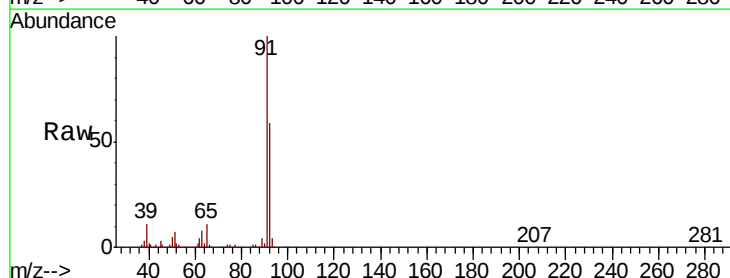
Instrument :
 MSVOA_D
 ClientSampled :

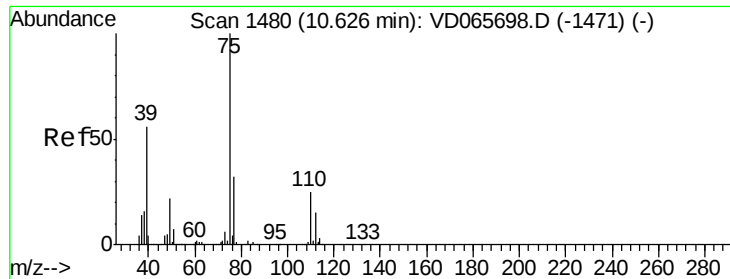
Tot Ion: 43 Resp: 594627
 Ion Ratio Lower Upper
 43 100
 58 37.2 28.6 42.8



#52
 Toluene
 Concen: 49.323 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

Tgt Ion: 92 Resp: 500326
 Ion Ratio Lower Upper
 92 100
 91 172.9 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 47.854 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

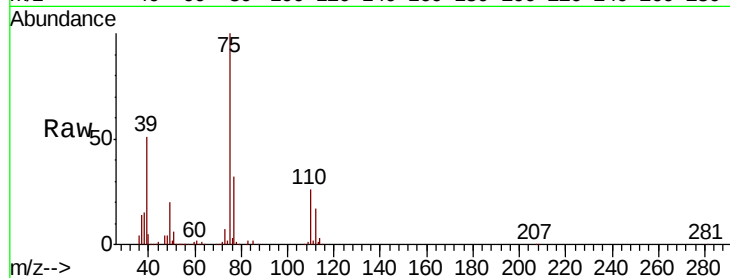
ClientSampleId :

Tot Ion: 75 Resp: 269711

Ion Ratio Lower Upper

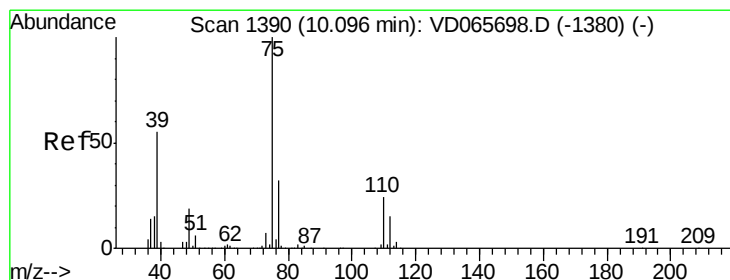
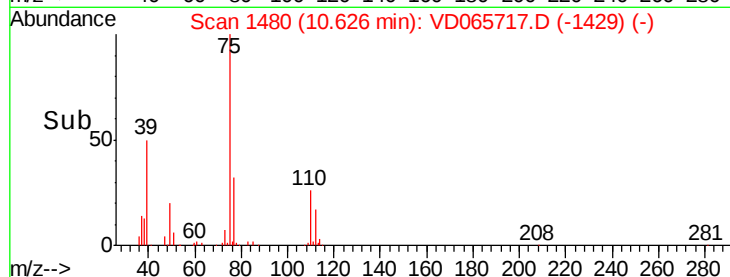
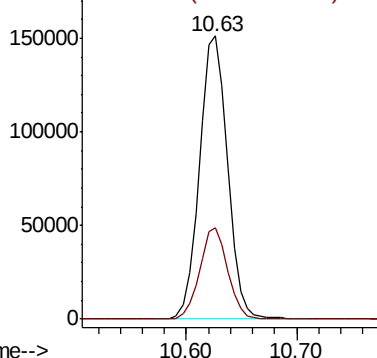
75 100

77 32.2 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 47.944 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

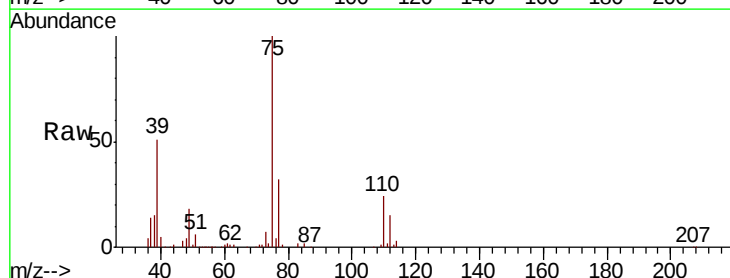
Tgt Ion: 75 Resp: 318334

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

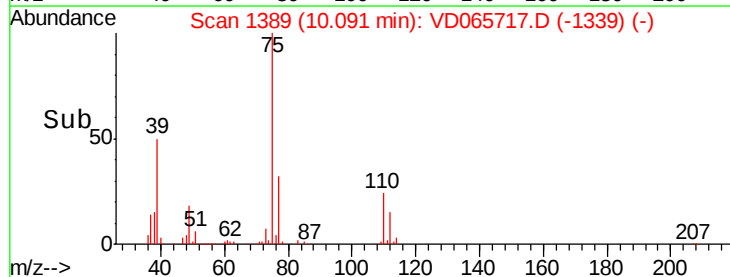
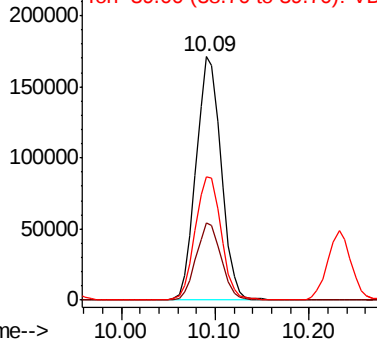
39 50.5 44.4 66.6

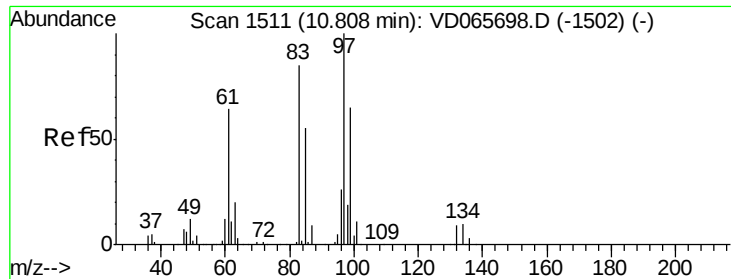


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 49.342 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 138411

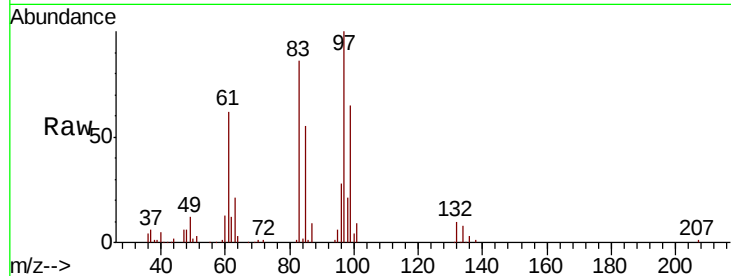
Ion Ratio Lower Upper

97 100

83 86.0 68.2 102.4

85 55.4 43.6 65.4

99 65.5 52.2 78.4



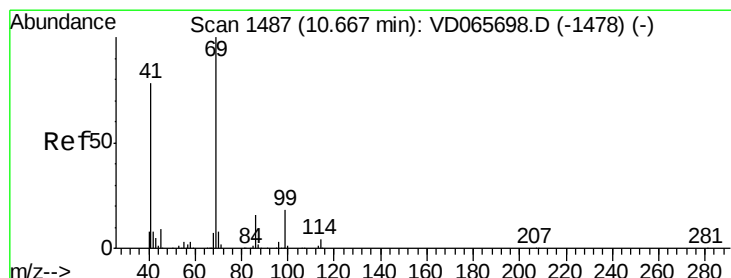
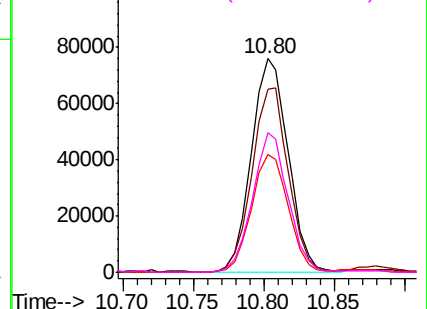
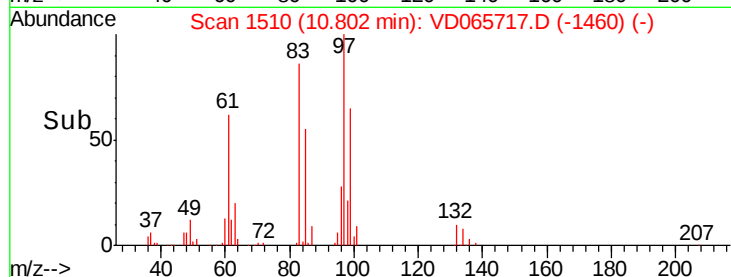
Abundance

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: 46.645 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

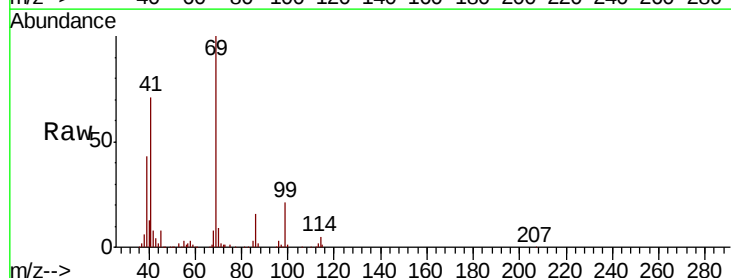
Tgt Ion: 69 Resp: 188927

Ion Ratio Lower Upper

69 100

41 72.6 61.4 92.0

39 37.0 32.7 49.1

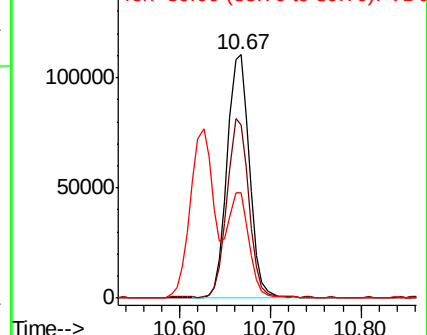
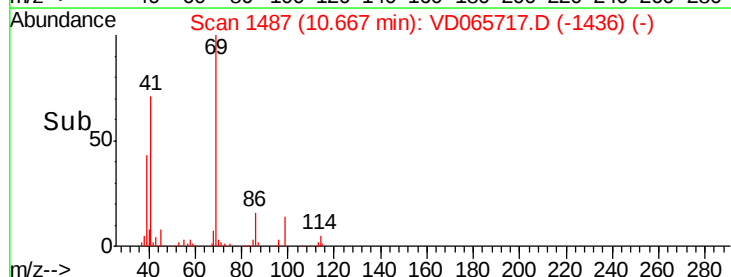


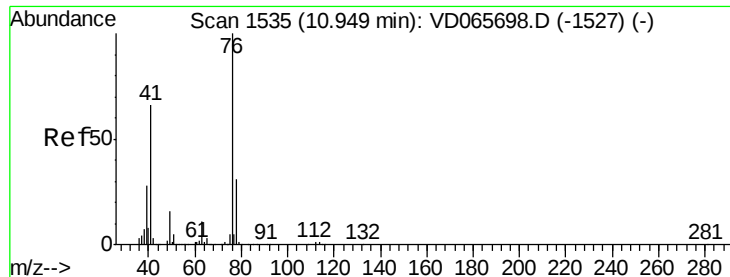
Abundance

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

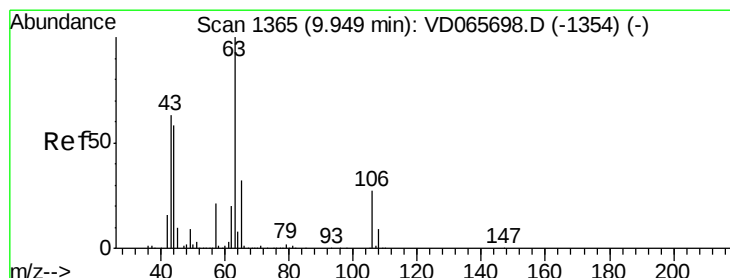
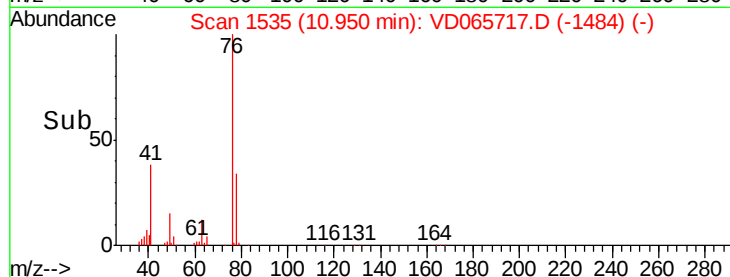
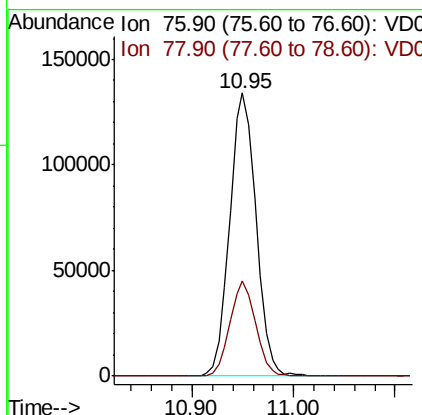
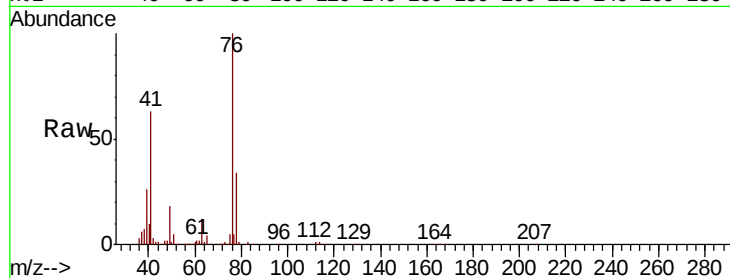




#57
 1,3-Dichloropropane
 Concen: 47.976 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

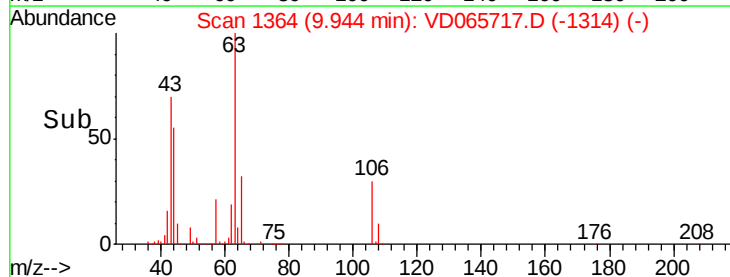
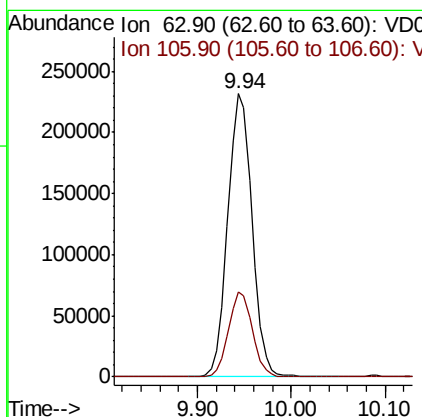
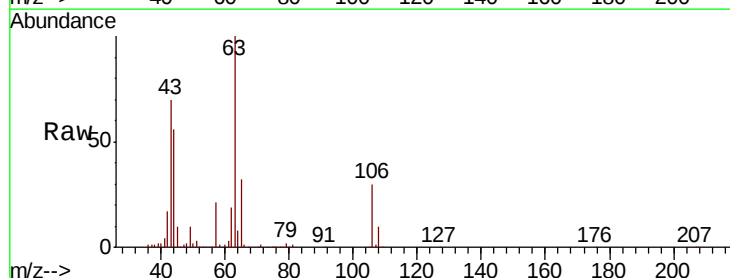
Instrument :
 MSVOA_D
 ClientSampleId :

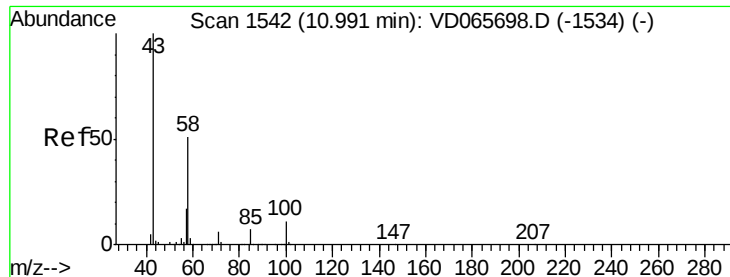
Tot Ion: 76 Resp: 241945
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.077 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

Tgt Ion: 63 Resp: 416647
 Ion Ratio Lower Upper
 63 100
 106 29.5 22.0 33.0

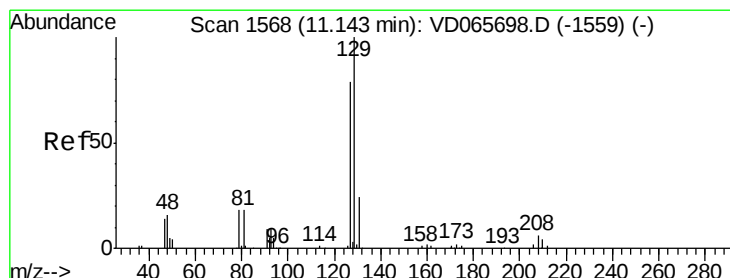
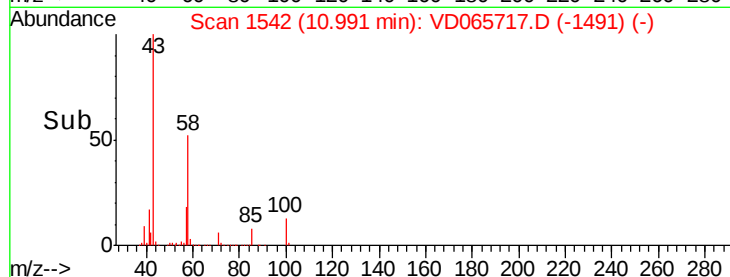
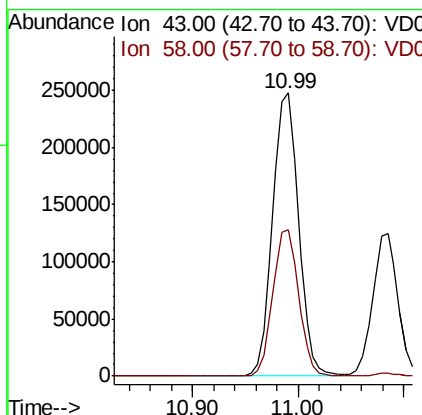
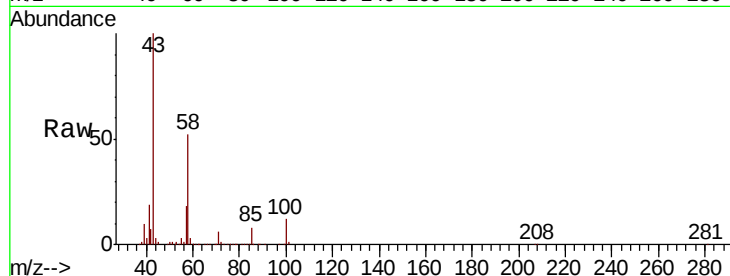




#59
2-Hexanone
Concen: 224.601 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

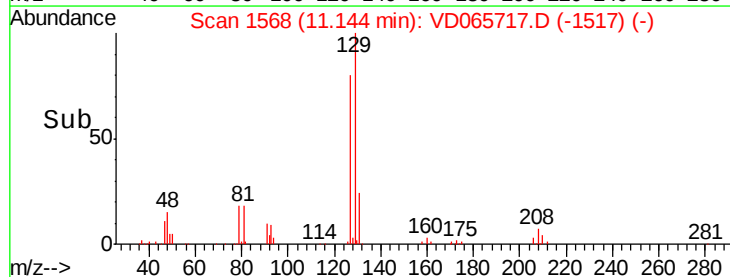
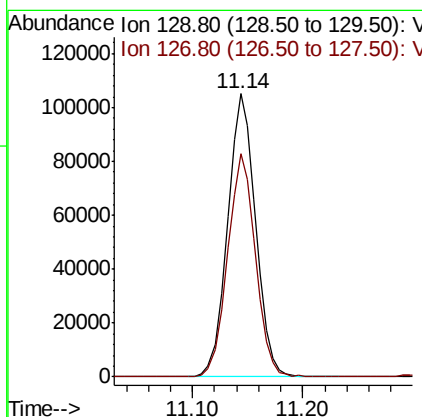
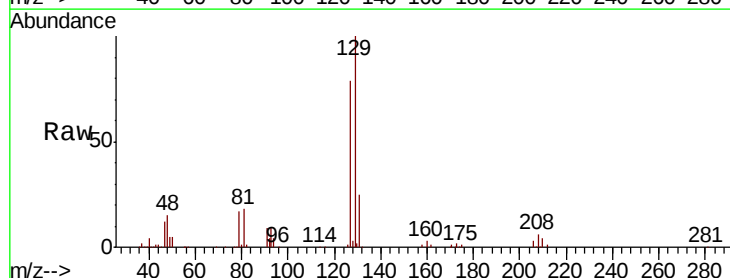
Instrument :
MSVOA_D
ClientSampled :

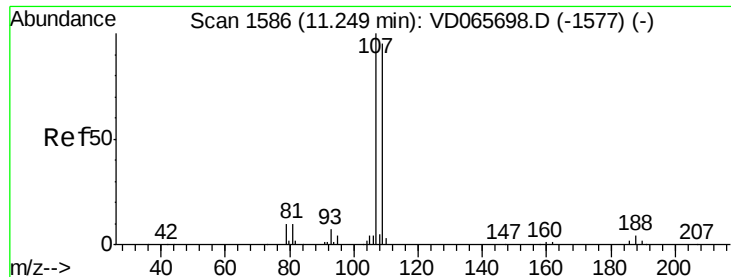
Tot Ion: 43 Resp: 421052
Ion Ratio Lower Upper
43 100
58 51.3 25.4 76.0



#60
Dibromochloromethane
Concen: 49.454 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion: 129 Resp: 186353
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 49.330 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

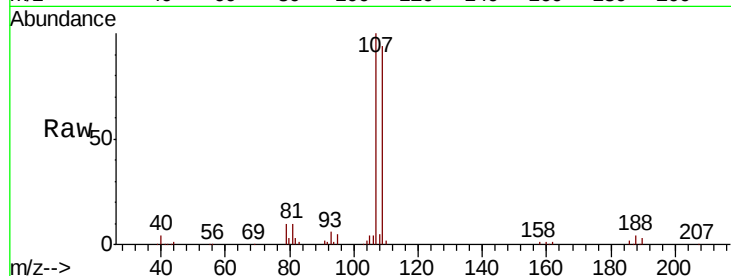
ClientSampleId :

Tot Ion:107 Resp: 139230

Ion Ratio Lower Upper

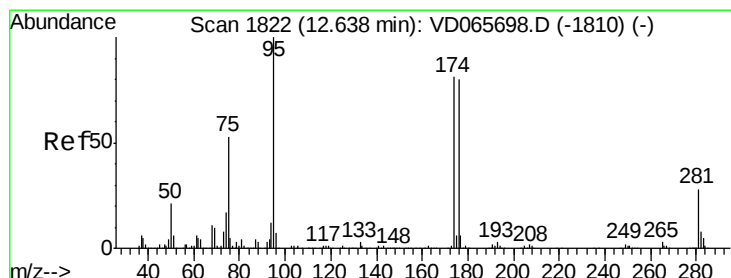
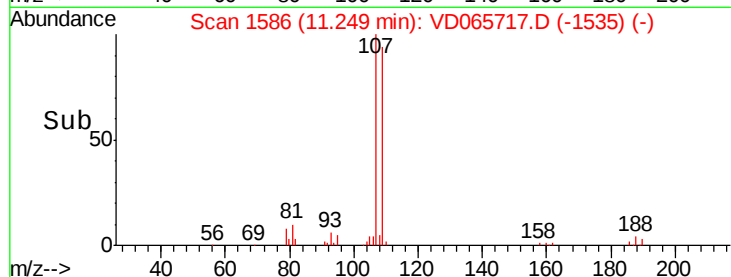
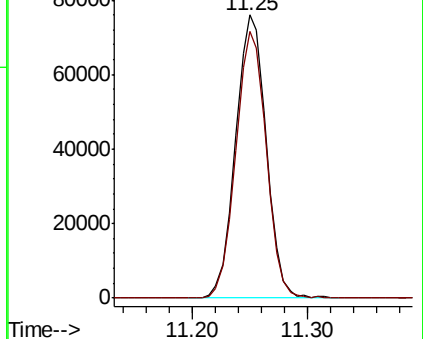
107 100

109 93.8 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.338 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

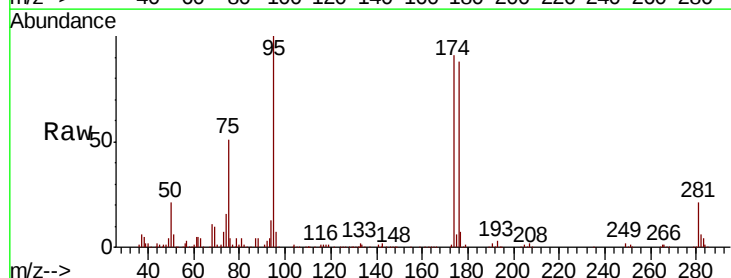
Tgt Ion: 95 Resp: 233177

Ion Ratio Lower Upper

95 100

174 89.9 0.0 162.6

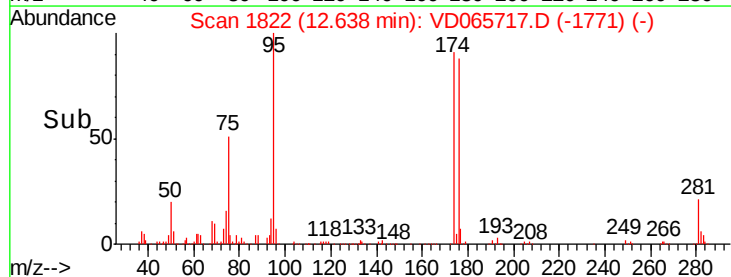
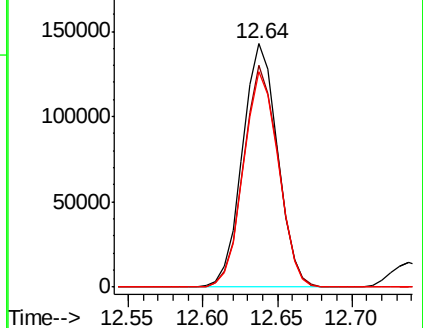
176 88.0 0.0 159.0

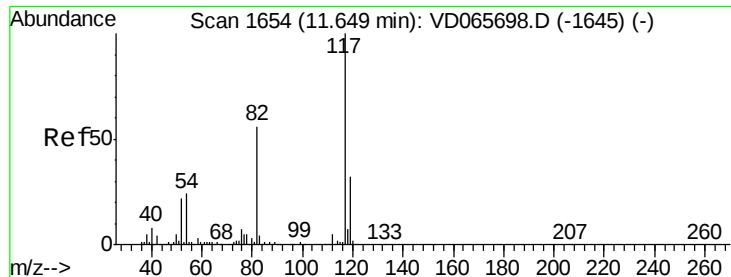


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

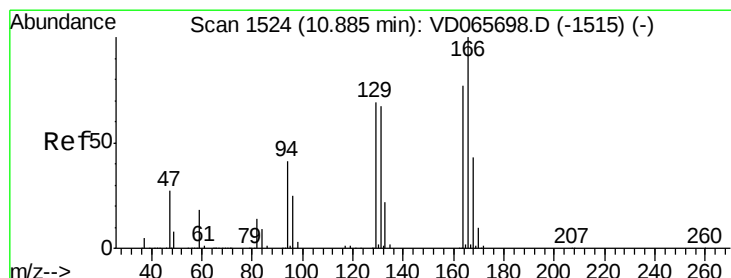
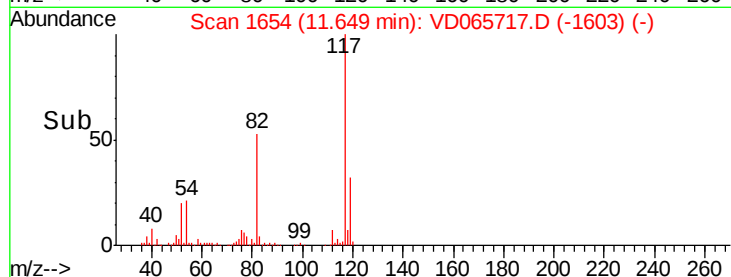
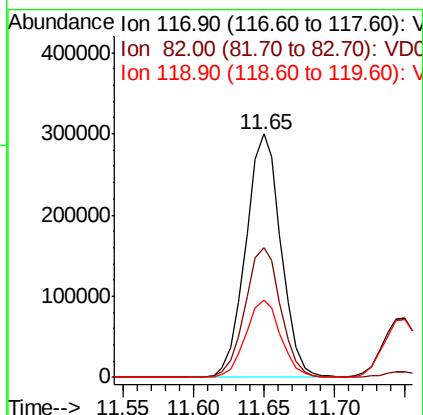
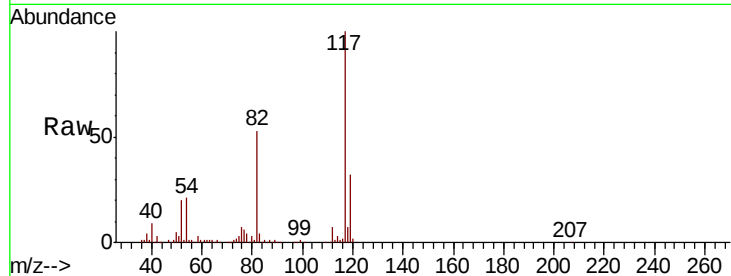




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

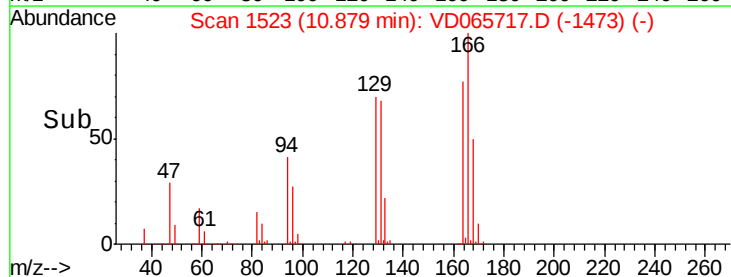
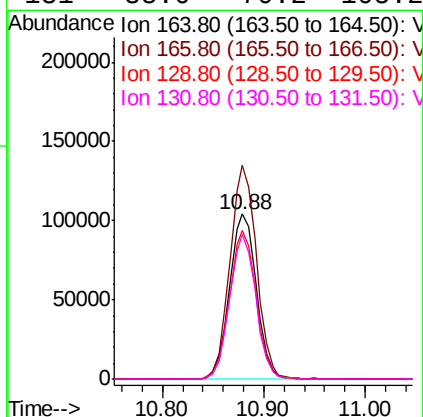
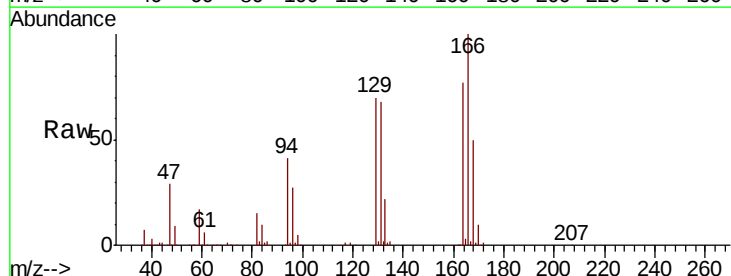
Instrument :
MSVOA_D
ClientSampleId :

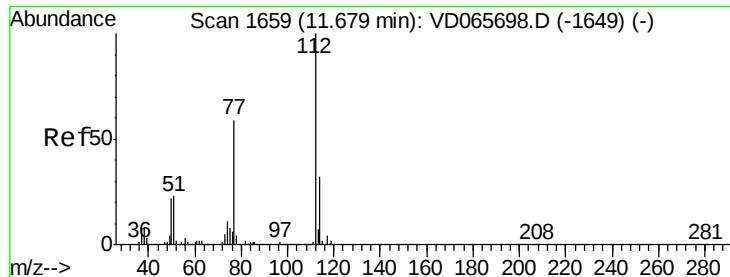
Tot Ion:117 Resp: 524958
Ion Ratio Lower Upper
117 100
82 53.5 44.9 67.3
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 51.011 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion:164 Resp: 190571
Ion Ratio Lower Upper
164 100
166 129.6 104.3 156.5
129 90.2 71.9 107.9
131 88.0 70.2 105.2





#65

Chlorobenzene

Concen: 49.813 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

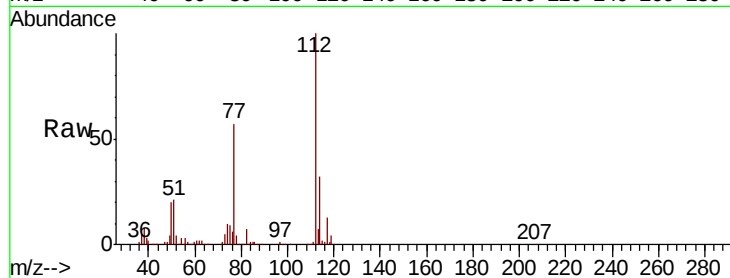
ClientSampleId :

Tot Ion:112 Resp: 526854

Ion Ratio Lower Upper

112 100

114 32.4 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

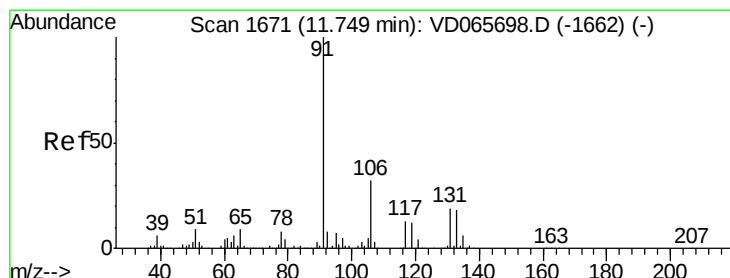
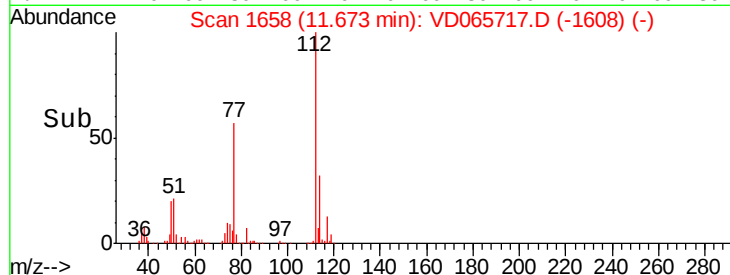
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.070 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

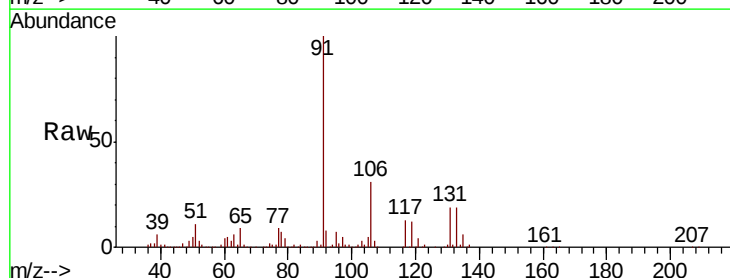
Tgt Ion:131 Resp: 201395

Ion Ratio Lower Upper

131 100

133 95.6 47.3 141.8

119 63.6 31.8 95.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.75

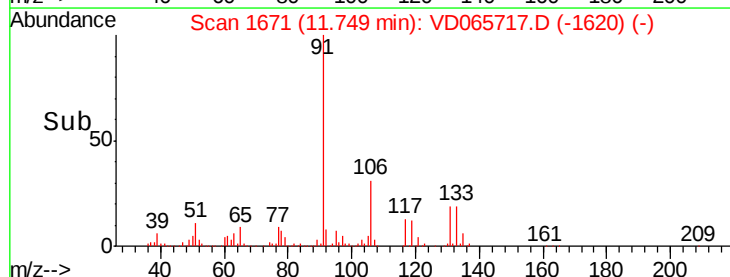
150000

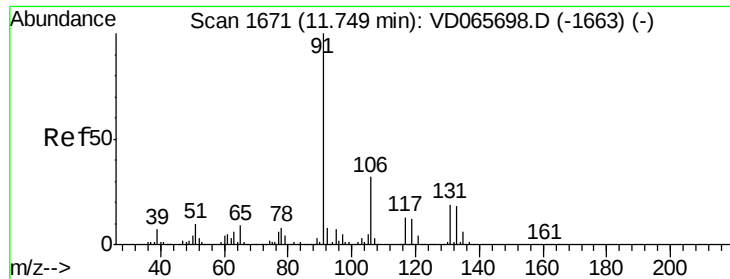
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 48.844 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

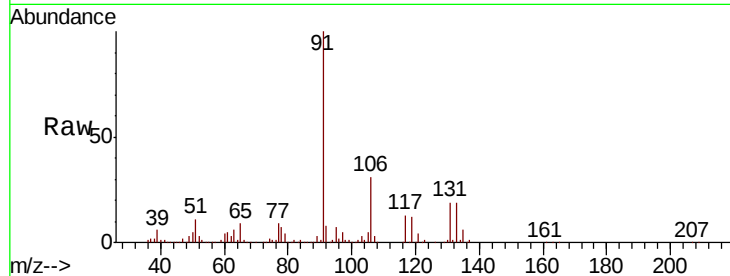
ClientSampled :

Tot Ion: 91 Resp: 963752

Ion Ratio Lower Upper

91 100

106 31.3 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

800000

600000

400000

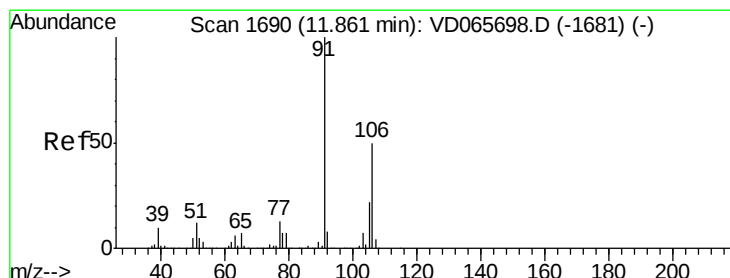
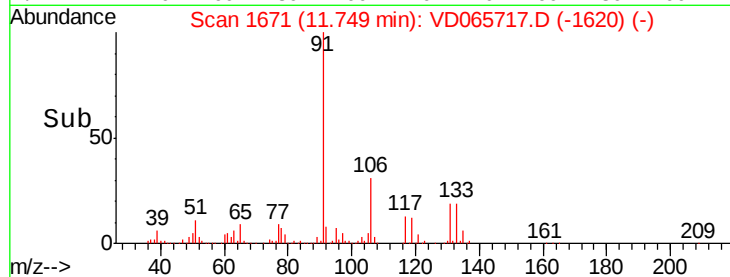
200000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 99.492 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065717.D

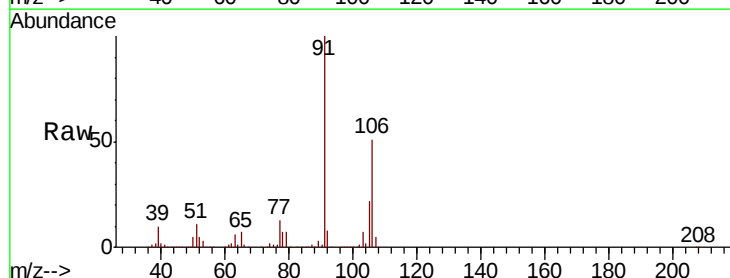
Acq: 08 May 2020 11:14

Tgt Ion: 106 Resp: 731840

Ion Ratio Lower Upper

106 100

91 199.9 163.1 244.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

400000

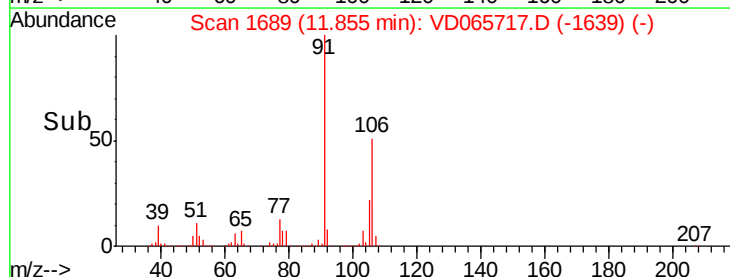
200000

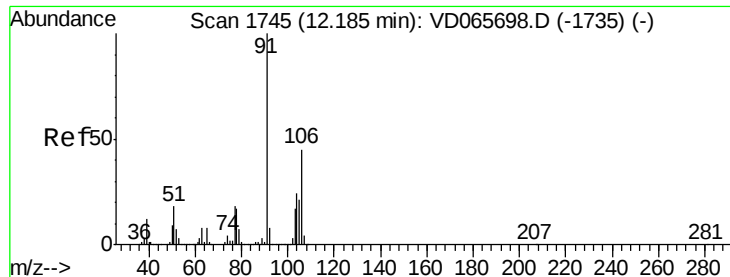
0

11.86

11.90

Time-->

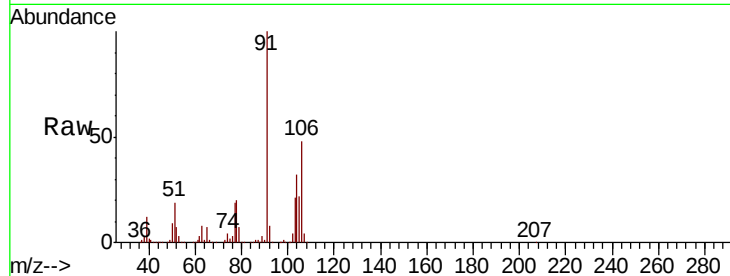




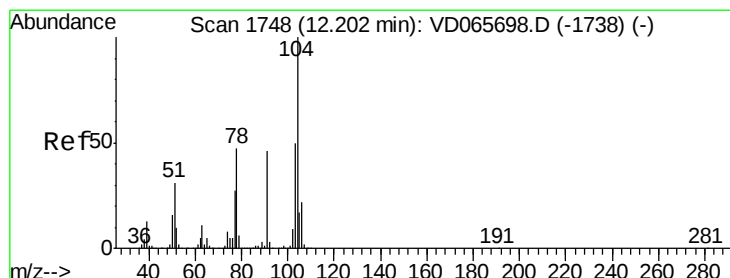
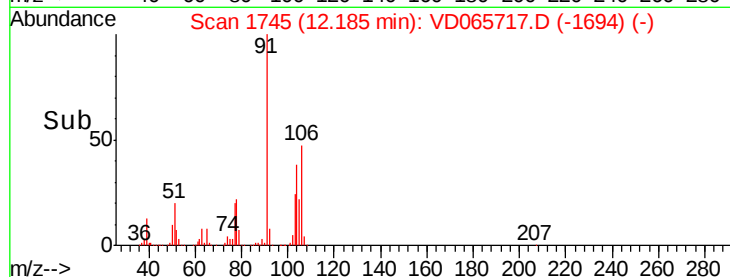
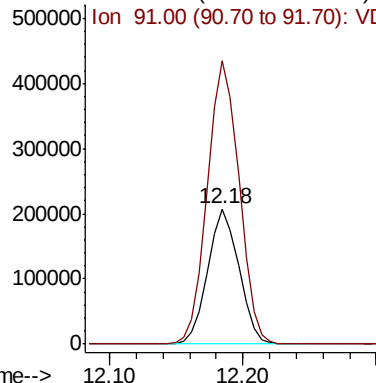
#69
o-Xylene
Concen: 49.091 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 336952
Ion Ratio Lower Upper
106 100
91 212.9 107.9 323.7

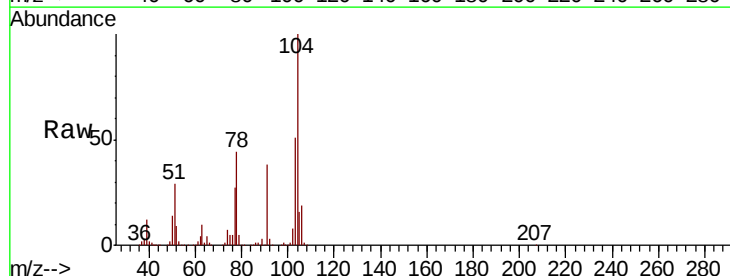


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

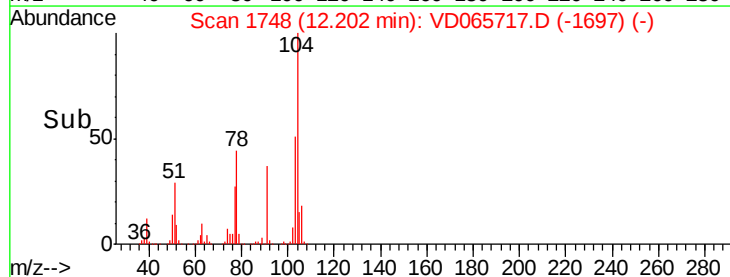
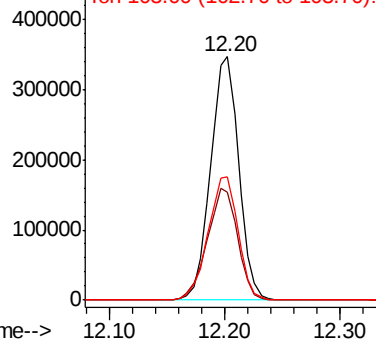


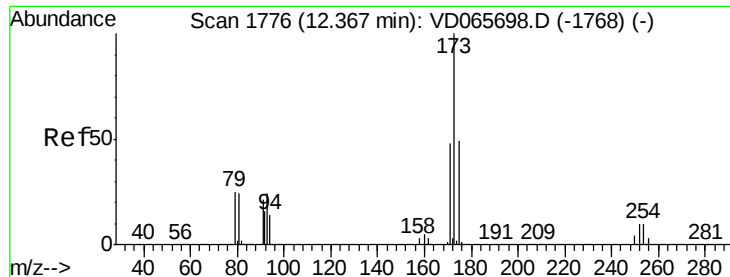
#70
Styrene
Concen: 49.758 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion:104 Resp: 587198
Ion Ratio Lower Upper
104 100
78 49.4 41.0 61.4
103 54.1 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.493 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

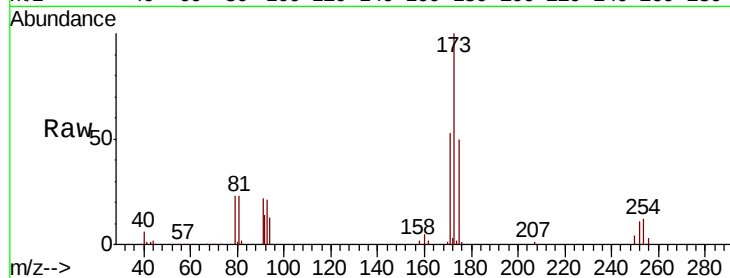
Tot Ion:173 Resp: 112039

Ion Ratio Lower Upper

173 100

175 50.1 24.5 73.5

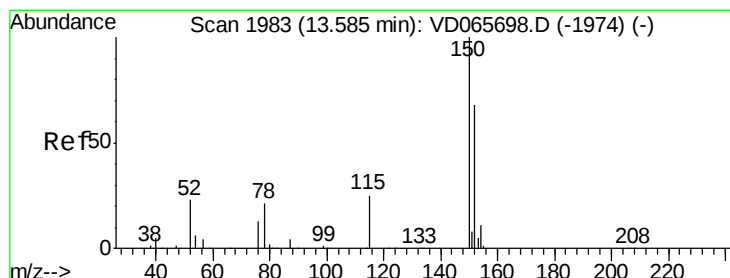
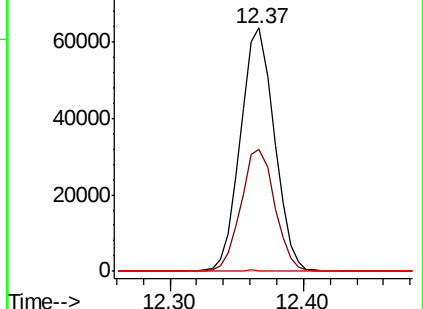
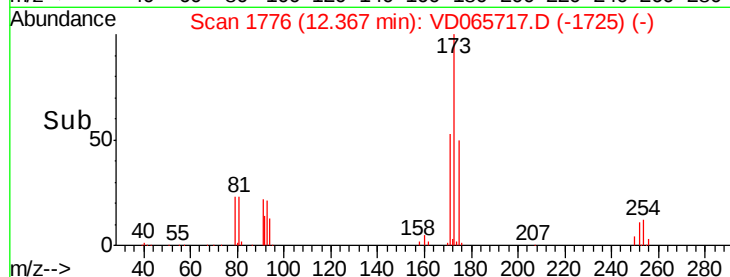
254 0.2 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

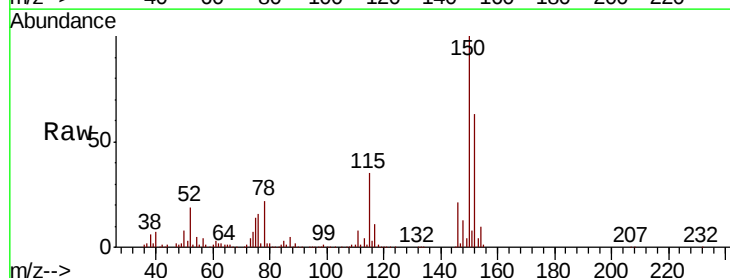
Tgt Ion:152 Resp: 254363

Ion Ratio Lower Upper

152 100

115 55.5 29.5 88.5

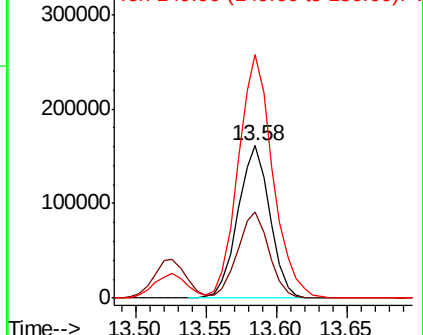
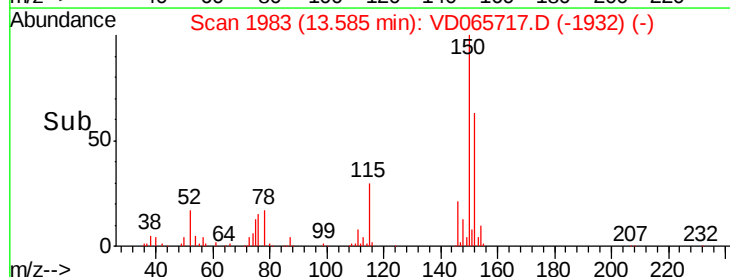
150 172.8 0.0 346.8

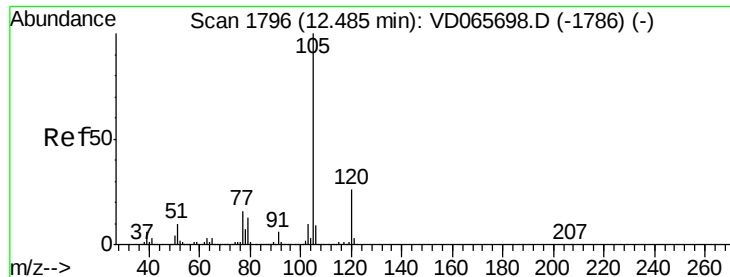


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.509 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

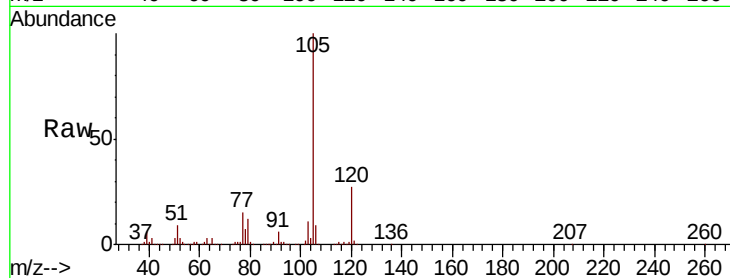
ClientSampleId :

Tot Ion:105 Resp: 934896

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

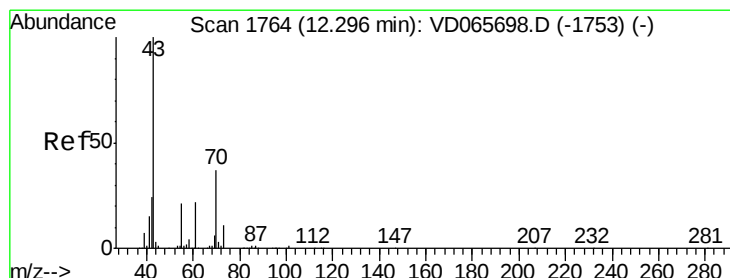
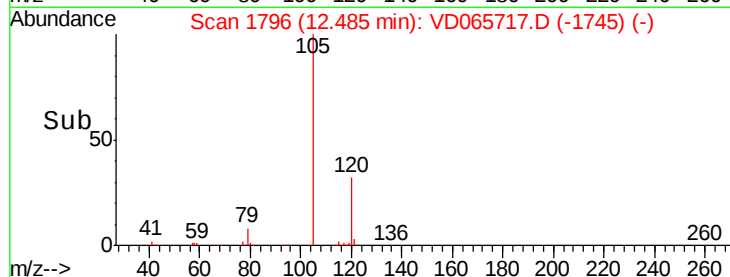
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 42.176 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Tgt Ion: 43 Resp: 232050

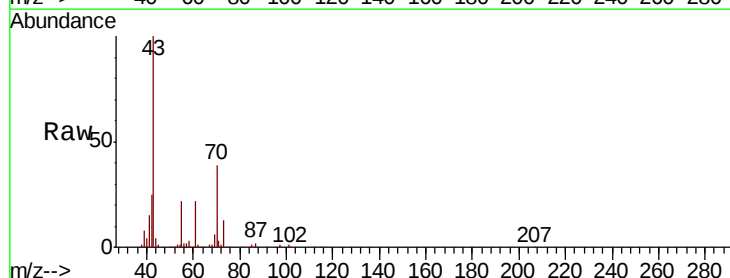
Ion Ratio Lower Upper

43 100

70 39.0 29.3 43.9

55 22.2 16.4 24.6

61 22.7 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

12.29

200000

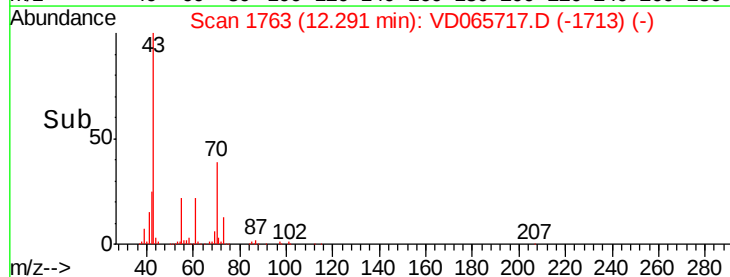
150000

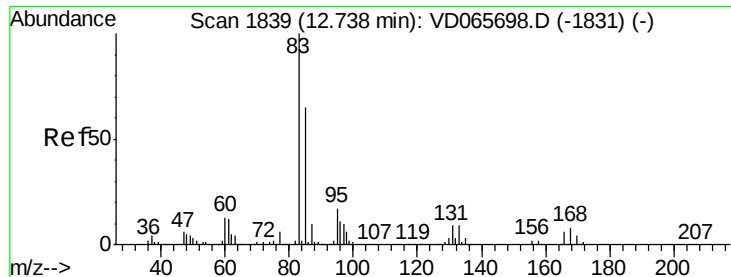
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.201 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

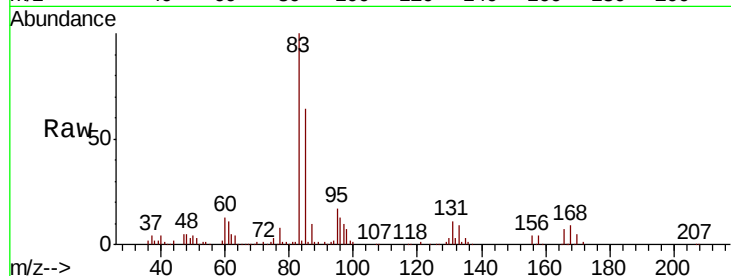
Tot Ion: 83 Resp: 149314

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.7

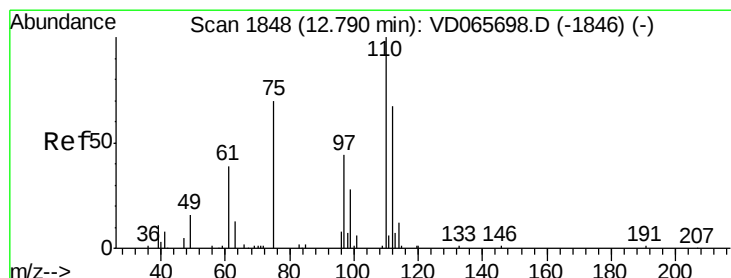
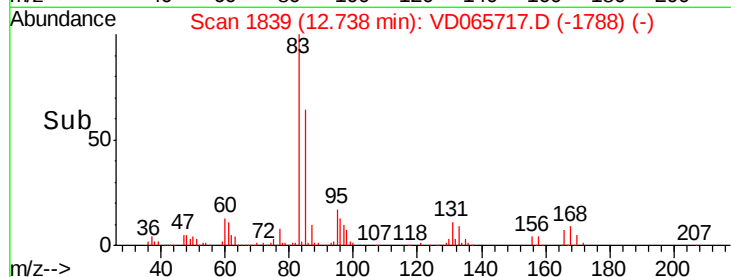
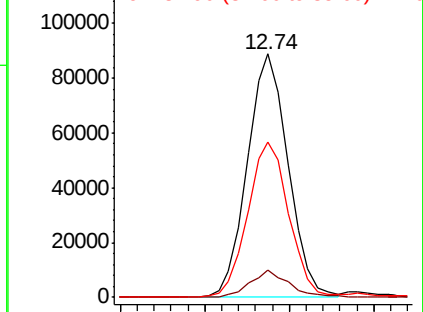
85 64.1 31.9 95.9



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: 92.977 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065717.D

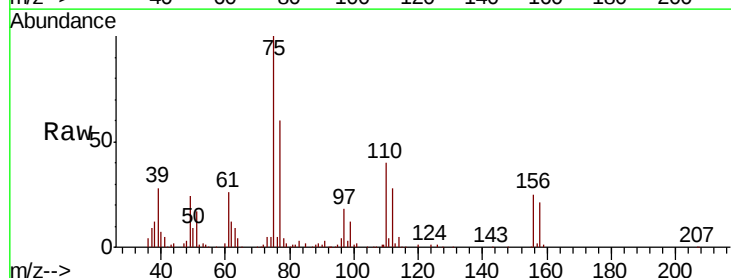
Acq: 08 May 2020 11:14

Tgt Ion: 75 Resp: 199746

Ion Ratio Lower Upper

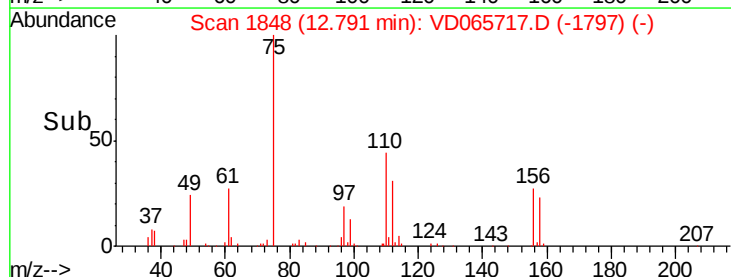
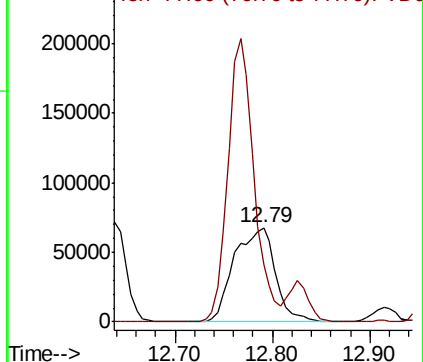
75 100

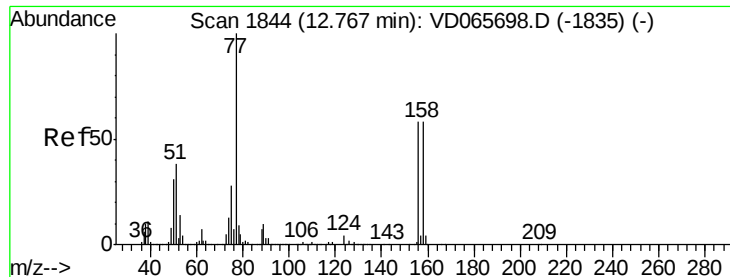
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.469 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

ClientSampled :

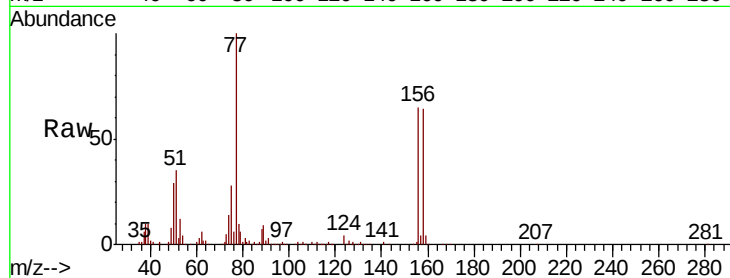
Tot Ion:156 Resp: 223040

Ion Ratio Lower Upper

156 100

77 170.0 92.9 278.7

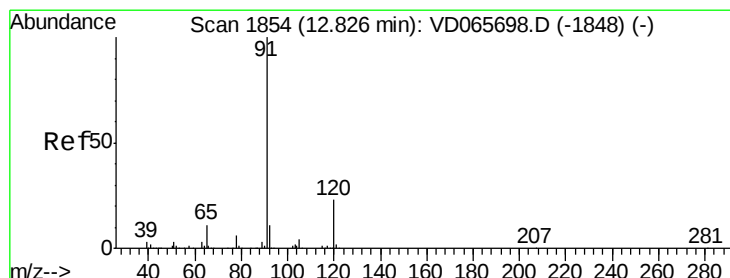
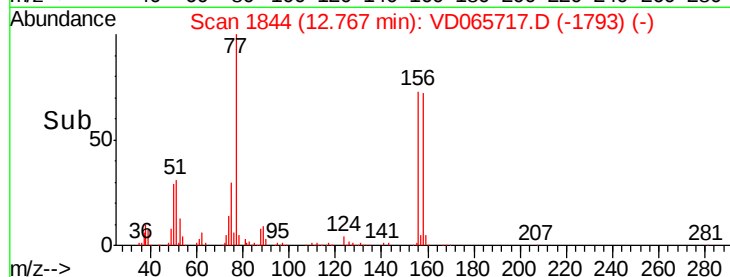
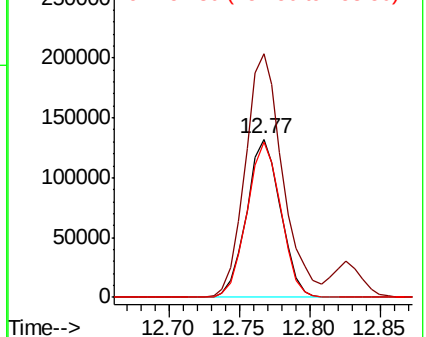
158 98.1 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.753 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065717.D

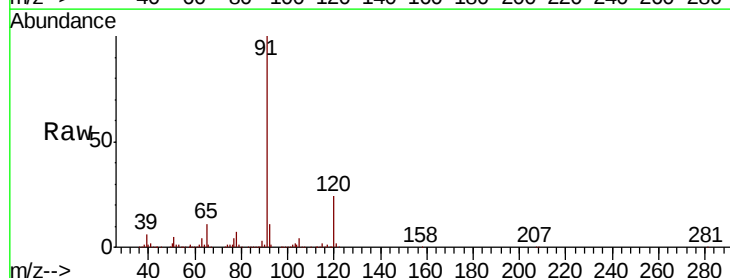
Acq: 08 May 2020 11:14

Tgt Ion: 91 Resp: 1083671

Ion Ratio Lower Upper

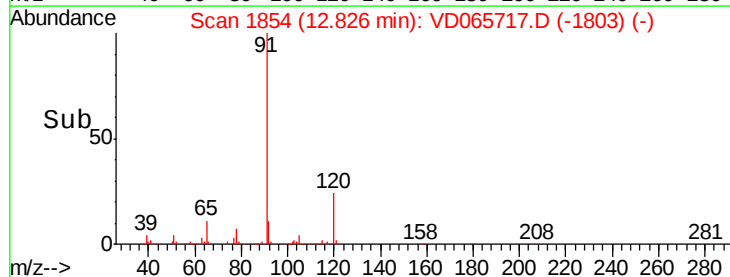
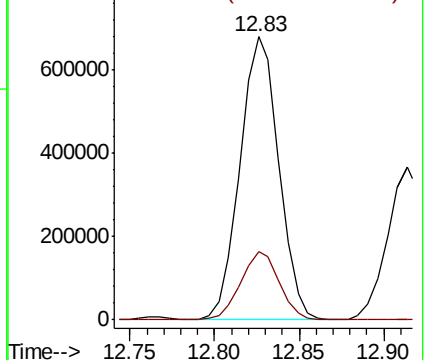
91 100

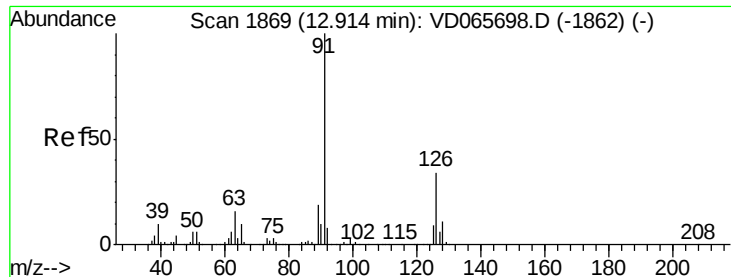
120 24.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.628 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

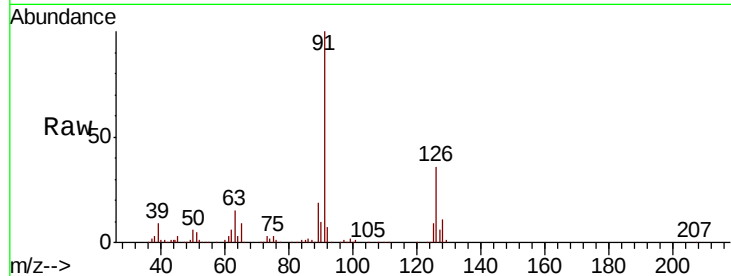
ClientSampleId :

Tot Ion: 91 Resp: 597832

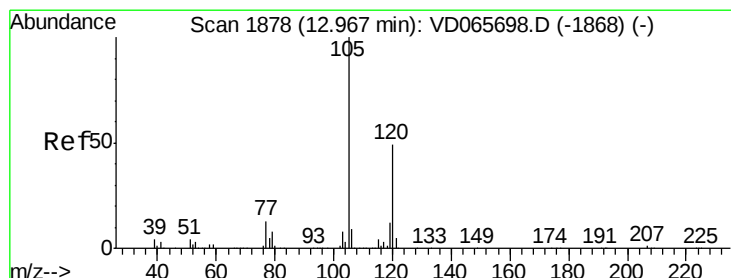
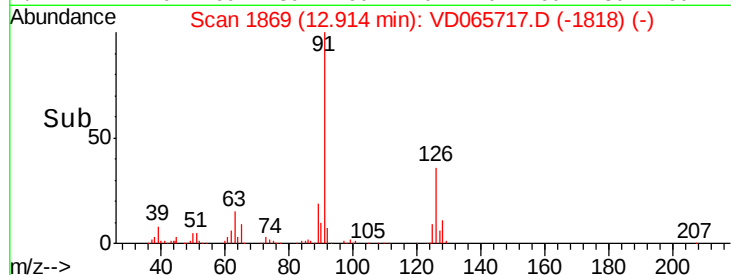
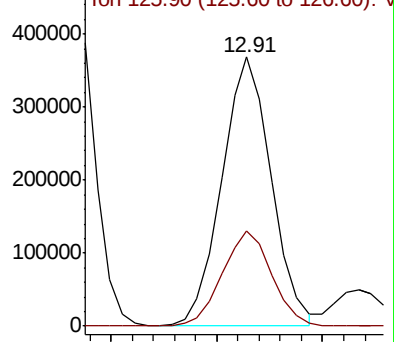
Ion Ratio Lower Upper

91 100

126 35.6 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VD065717.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.279 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065717.D

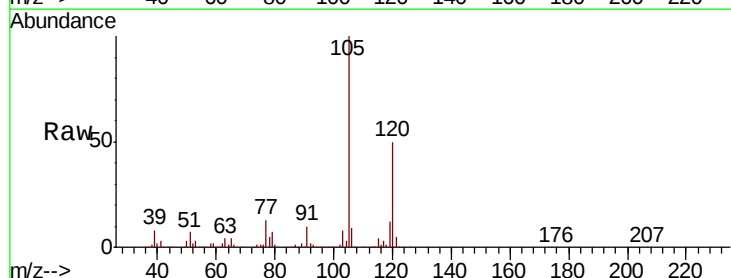
Acq: 08 May 2020 11:14

Tgt Ion:105 Resp: 763910

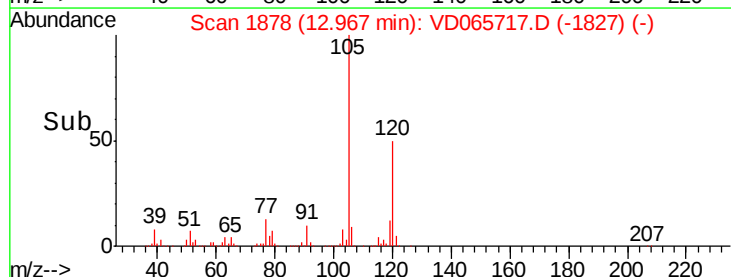
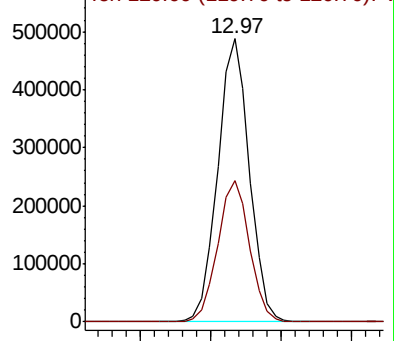
Ion Ratio Lower Upper

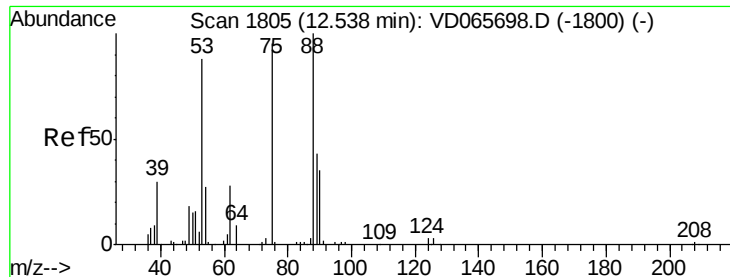
105 100

120 50.4 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VD065717.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.047 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

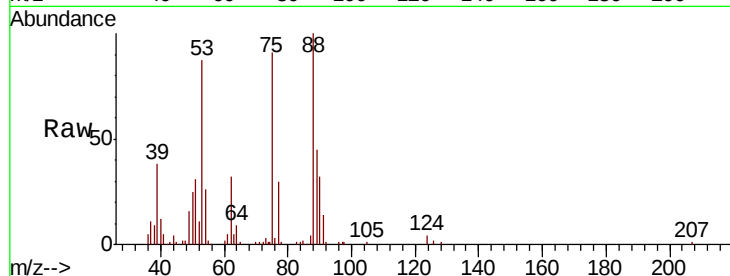
Tot Ion: 75 Resp: 54670

Ion Ratio Lower Upper

75 100

53 91.4 75.8 113.8

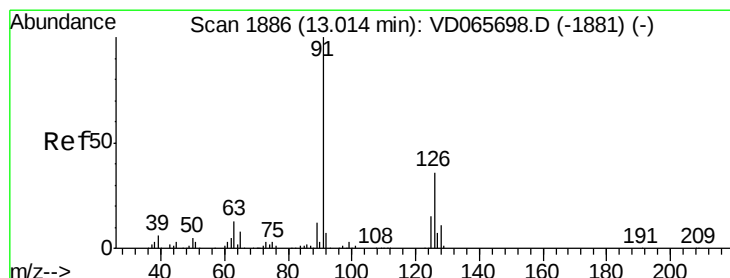
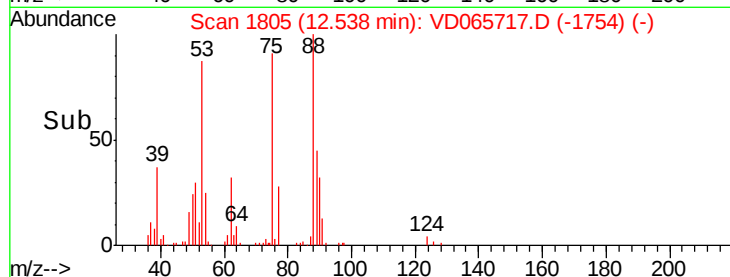
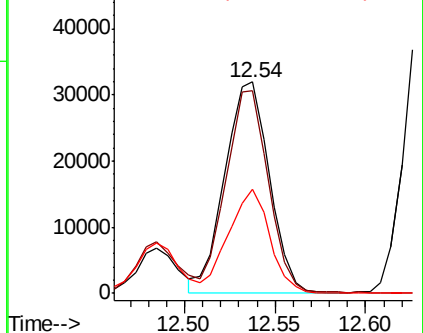
89 45.8 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 46.704 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065717.D

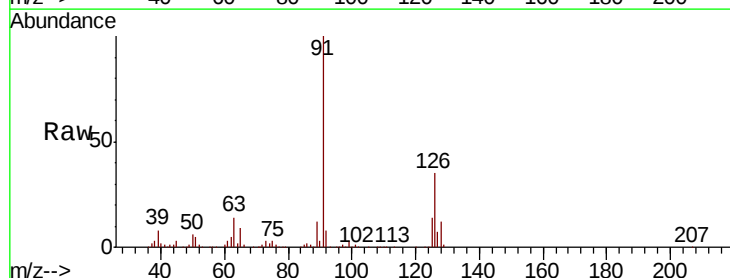
Acq: 08 May 2020 11:14

Tgt Ion: 91 Resp: 626614

Ion Ratio Lower Upper

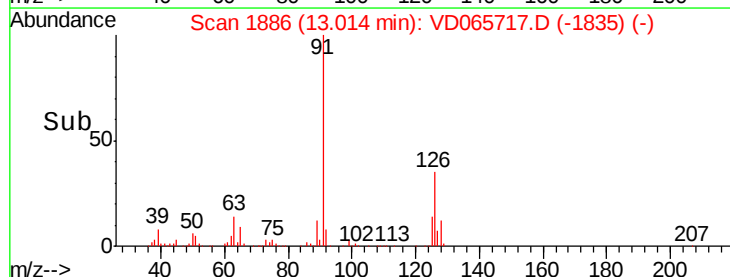
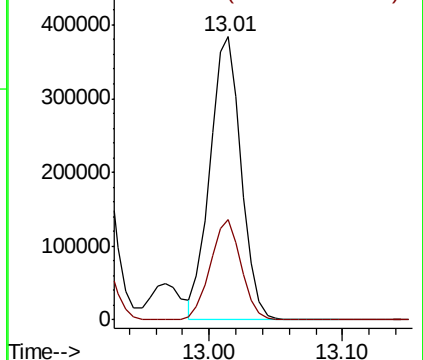
91 100

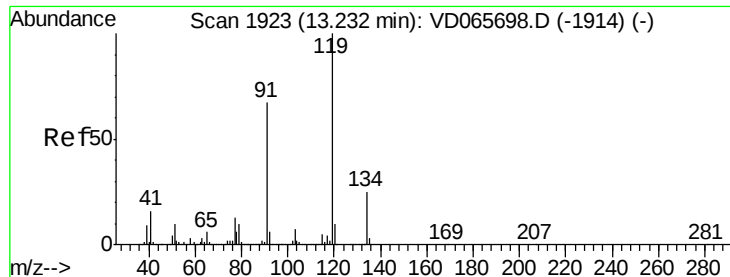
126 35.1 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

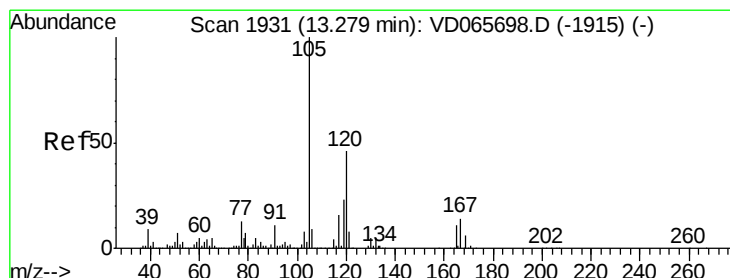
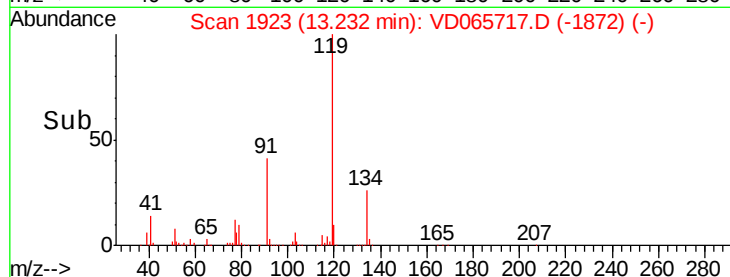
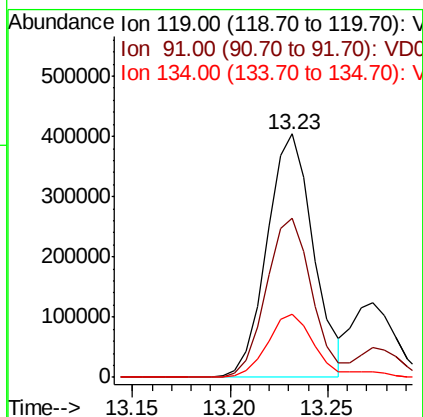
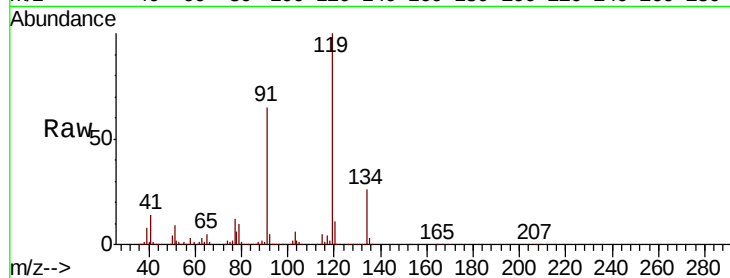




#83
tert-Butylbenzene
Concen: 49.281 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

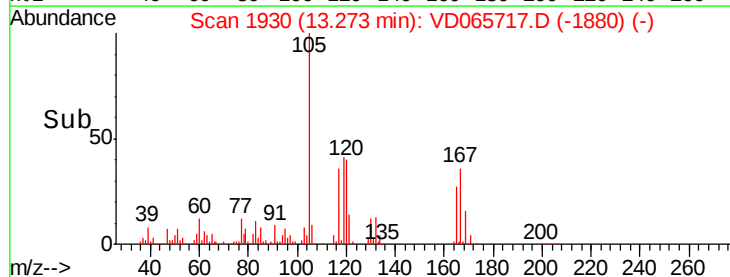
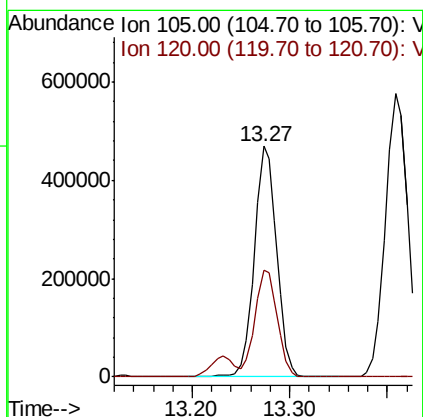
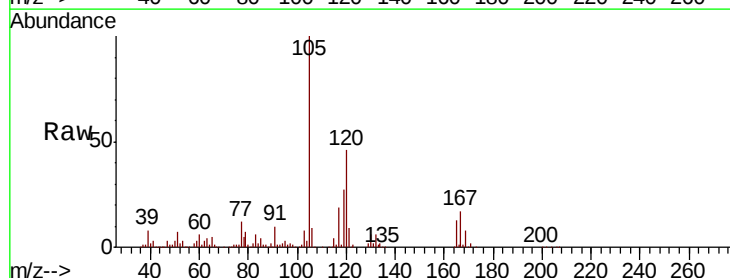
Instrument :
MSVOA_D
ClientSampled :

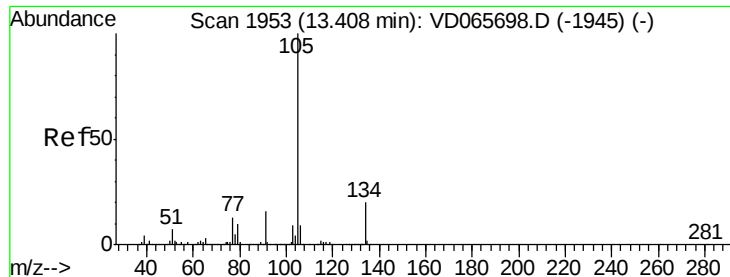
Tot Ion:119 Resp: 663733
Ion Ratio Lower Upper
119 100
91 65.4 33.6 100.8
134 27.7 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 48.102 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion:105 Resp: 758151
Ion Ratio Lower Upper
105 100
120 46.2 22.8 68.4

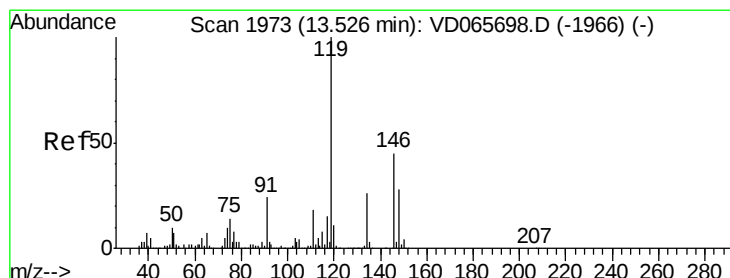
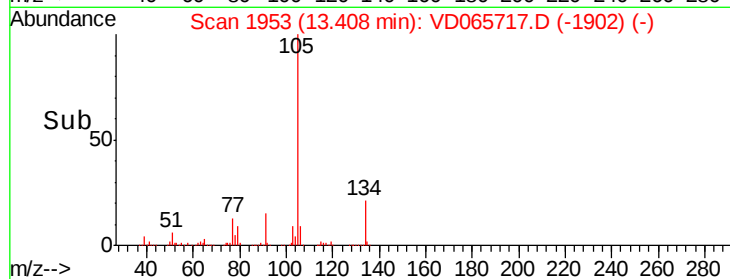
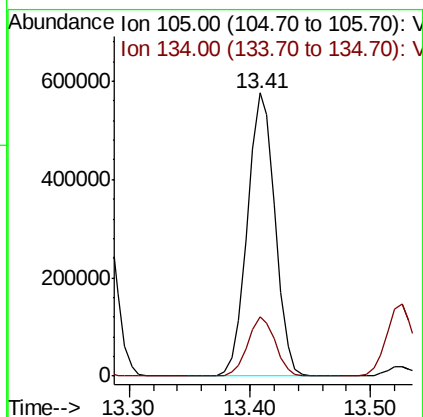
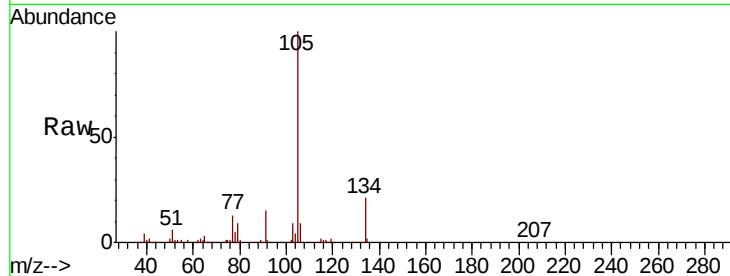




#85
 sec-Butylbenzene
 Concen: 48.703 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

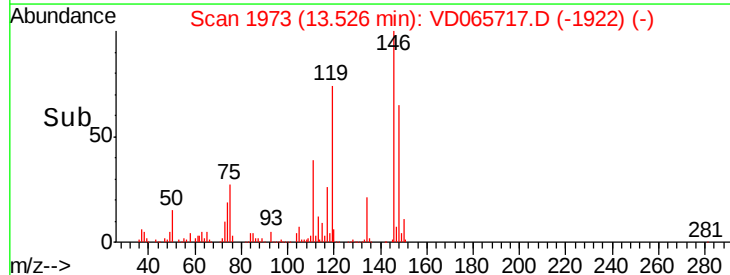
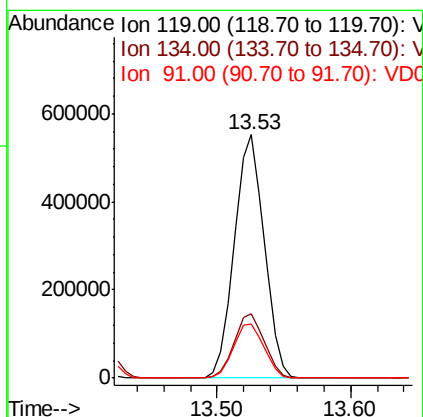
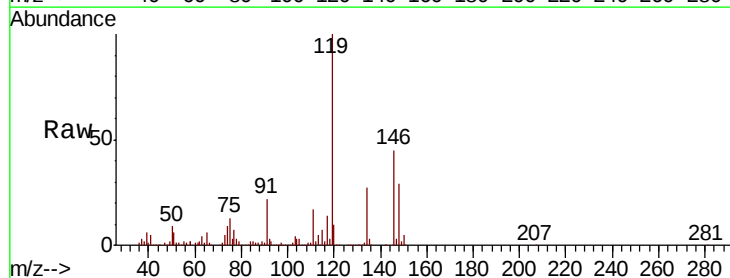
Instrument :
 MSVOA_D
 ClientSampleId :

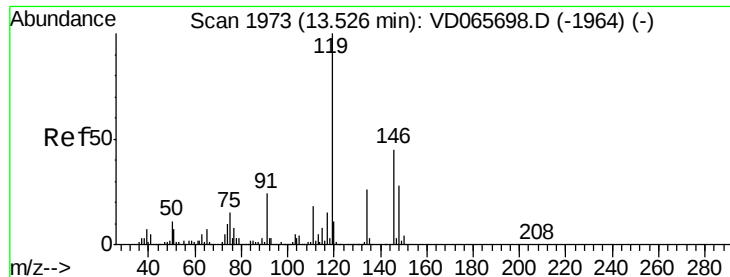
Tot Ion:105 Resp: 920109
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 49.715 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

Tgt Ion:119 Resp: 855893
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.2 39.6
 91 22.7 12.0 36.1

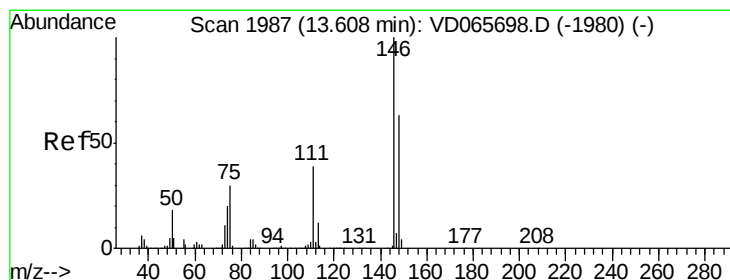
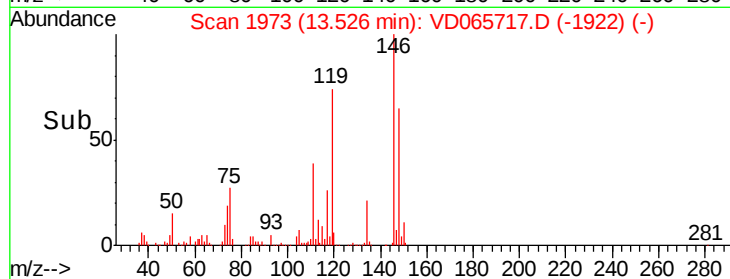
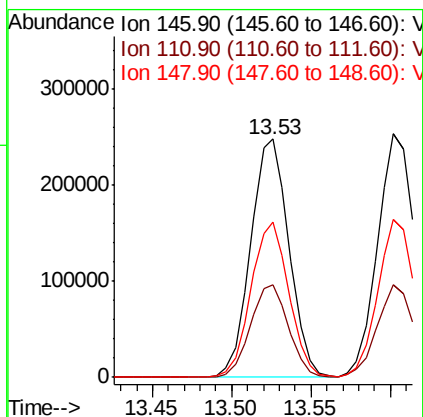
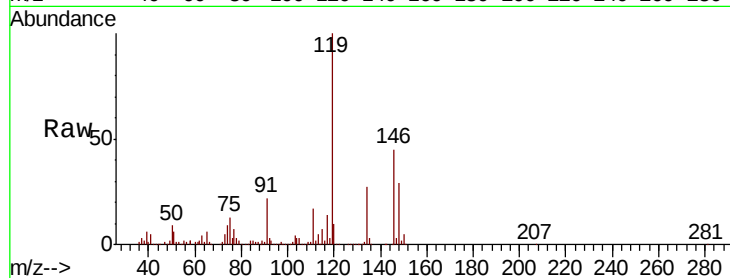




#87
 1,3-Dichlorobenzene
 Concen: 49.930 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

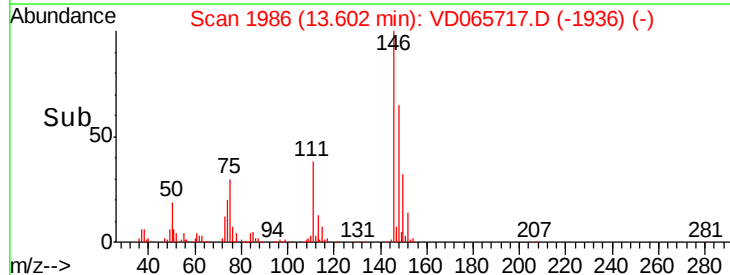
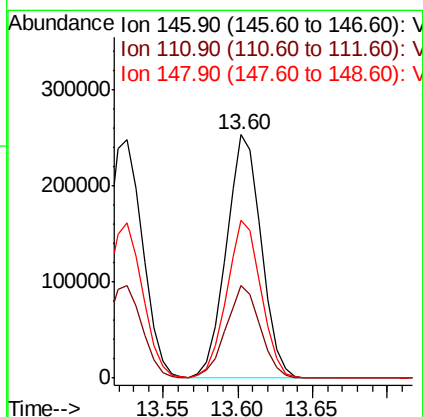
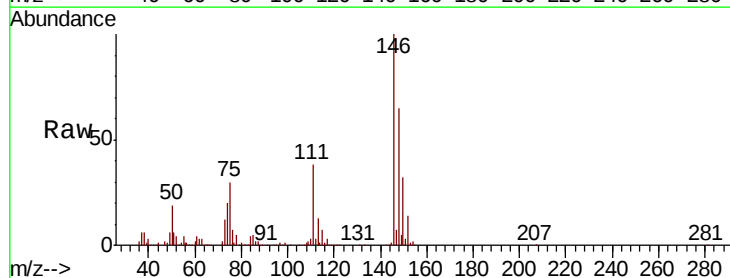
Instrument :
 MSVOA_D
 ClientSampled :

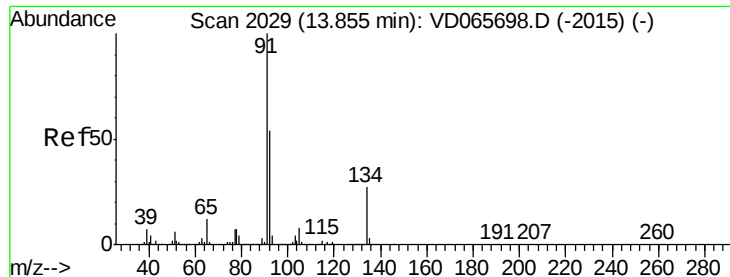
Tot Ion:146 Resp: 414737
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.6 58.8
 148 64.4 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 50.331 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

Tgt Ion:146 Resp: 412472
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.6 58.7
 148 64.1 31.9 95.5





#89

n-Butylbenzene

Concen: 48.052 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

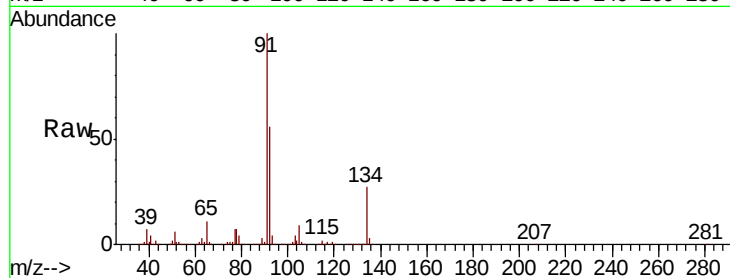
Tot Ion: 91 Resp: 801497

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.4	82.0
134	26.9	13.3	39.8

91 100

92 54.2 27.4 82.0

134 26.9 13.3 39.8

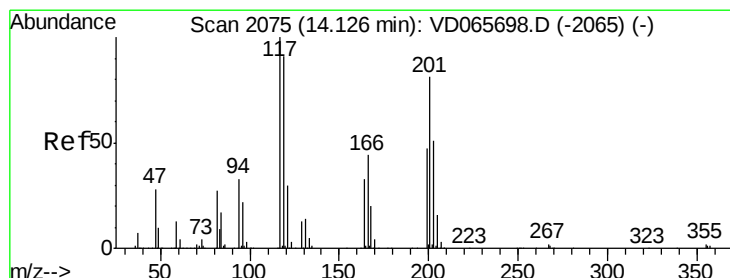
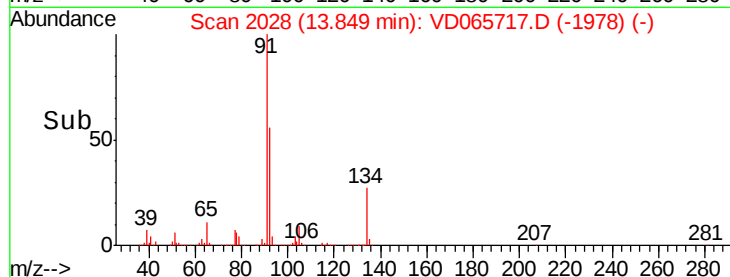
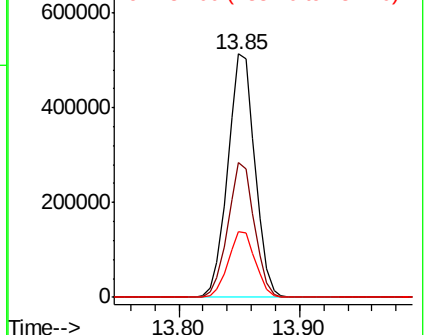


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 48.420 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.01 min

Lab File: VD065717.D

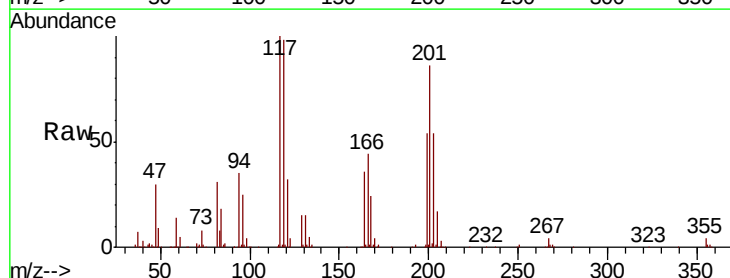
Acq: 08 May 2020 11:14

Tgt Ion: 117 Resp: 166031

Ion	Ratio	Lower	Upper
117	100		
201	84.5	39.1	117.2

117 100

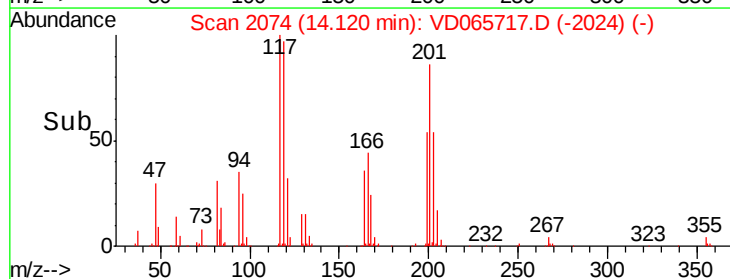
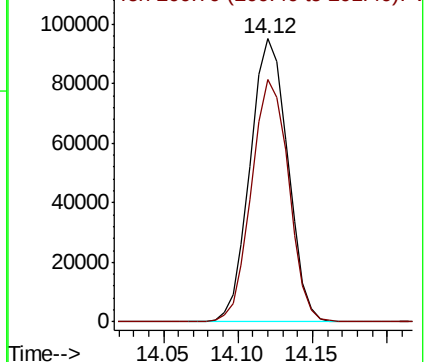
201 84.5 39.1 117.2

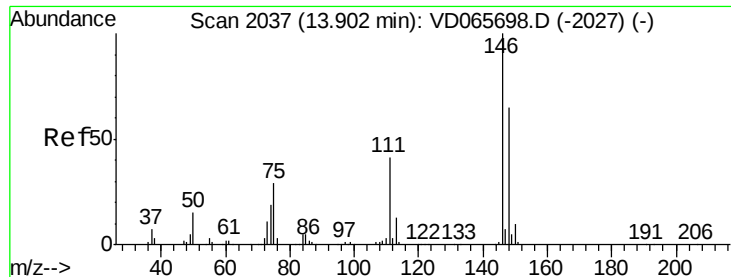


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.976 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

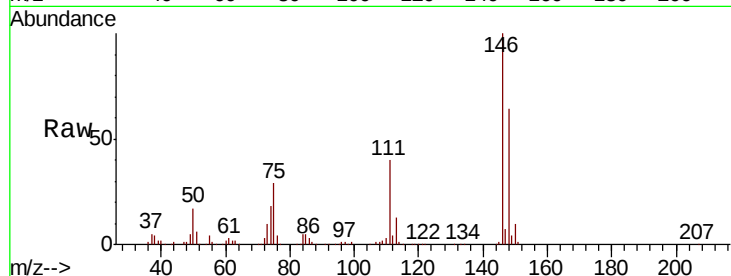
Tot Ion:146 Resp: 358205

Ion Ratio Lower Upper

146 100

111 39.5 20.3 61.0

148 64.9 31.9 95.9

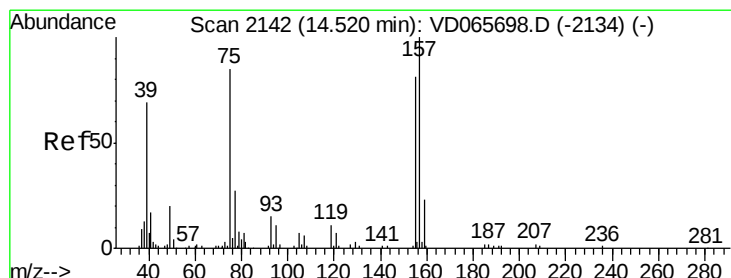
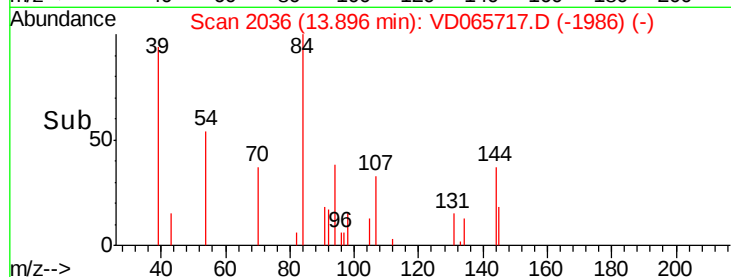
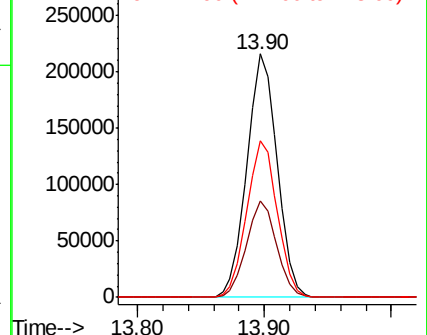


Abundance

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: 46.340 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD065717.D

Acq: 08 May 2020 11:14

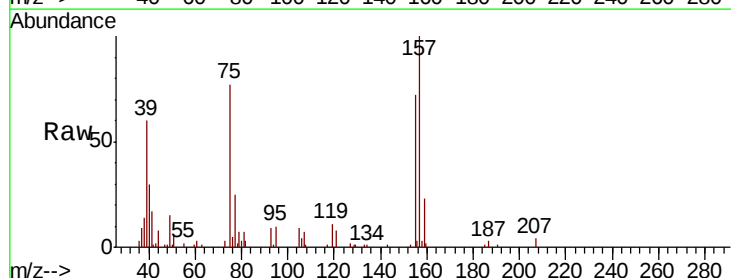
Tgt Ion: 75 Resp: 25173

Ion Ratio Lower Upper

75 100

155 95.9 43.5 130.5

157 120.6 54.5 163.6

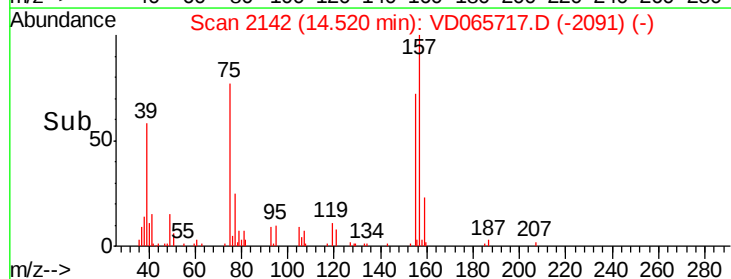
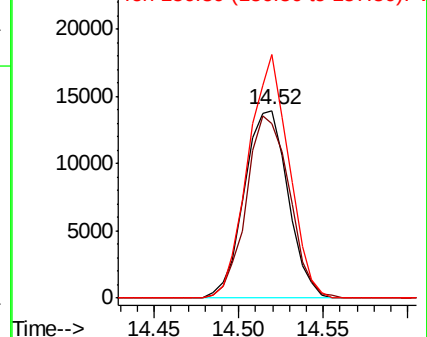


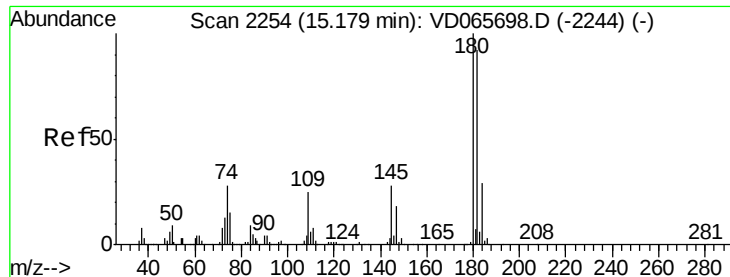
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

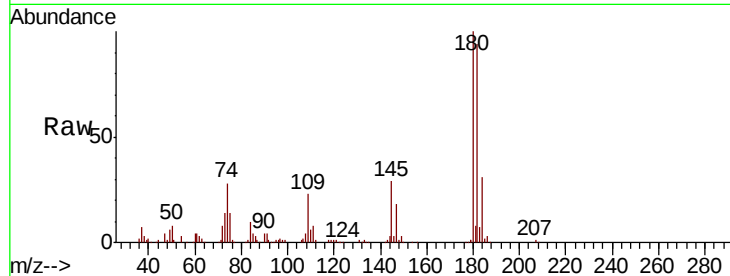




#93
 1,2,4-Trichlorobenzene
 Concen: 50.952 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.0	141.0
145	29.4	14.8	44.3

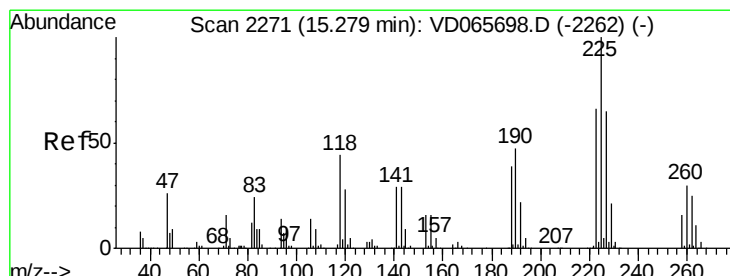
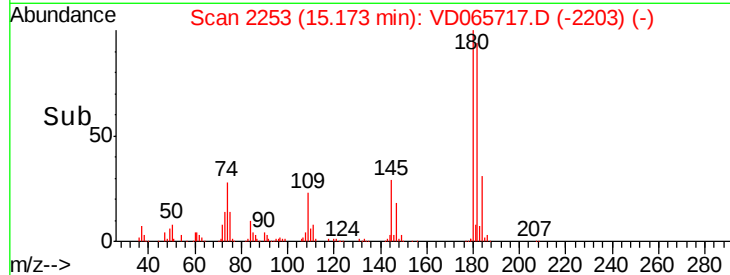
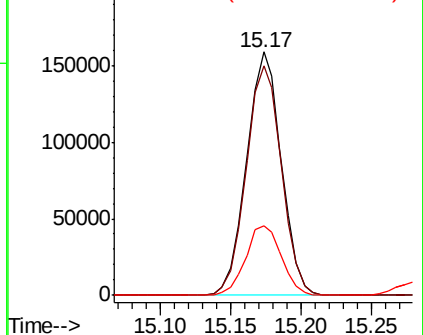


Abundance

Ion 179.80 (179.50 to 180.50): V

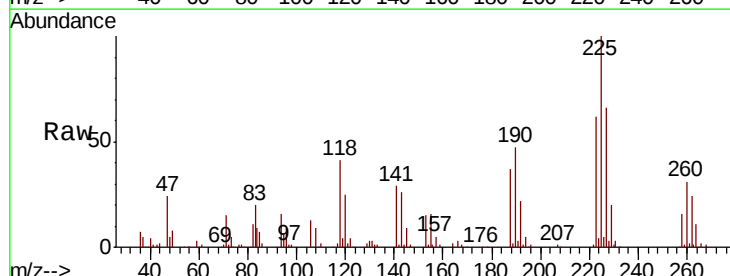
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.727 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.8	95.3
227	64.3	31.6	94.8

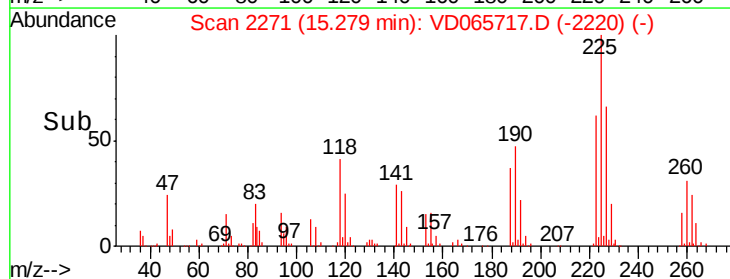
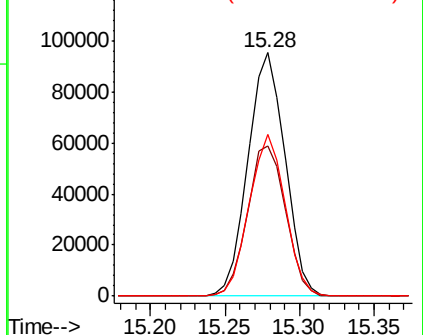


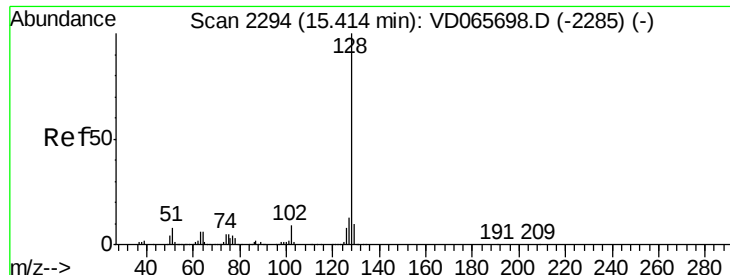
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

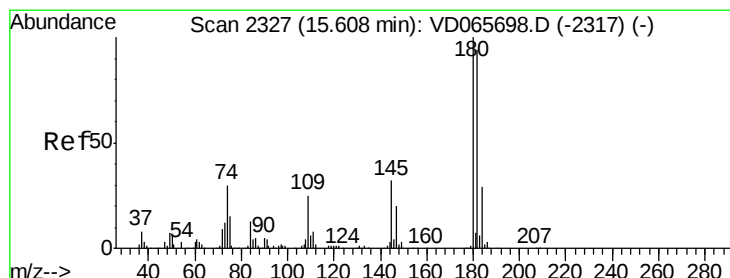
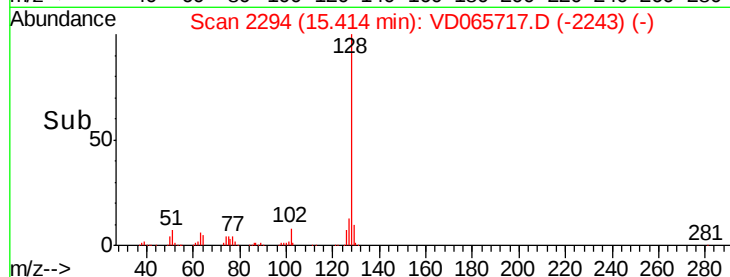
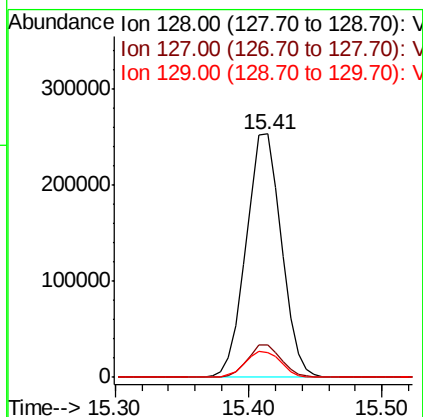
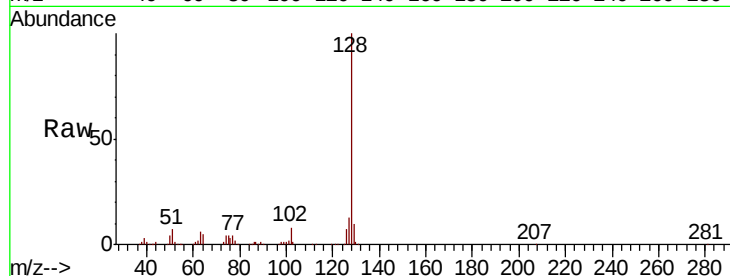




#95
Naphthalene
Concen: 48.986 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 463074
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 51.122 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Tgt Ion:180 Resp: 233857
Ion Ratio Lower Upper
180 100
182 95.3 46.9 140.6
145 30.9 16.0 47.9

