

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 :
 VSTDCCC050

Quant Time: May 09 03:54:28 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						
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						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

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 :
 VSTDCCC050

Quant Time: May 09 03:54:28 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)
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	115284m	53.662	ug/l	
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

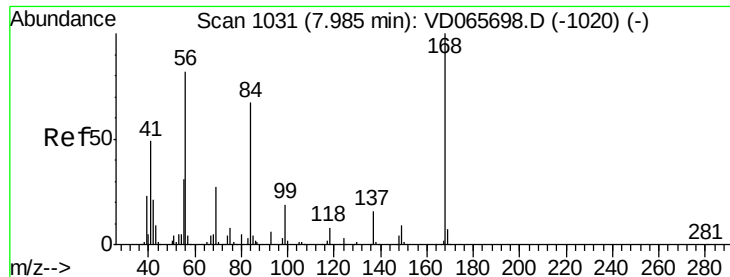
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050820\
Data File : VD065717.D
Acq On : 08 May 2020 11:14
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: May 09 03:54:28 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)
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



#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 :

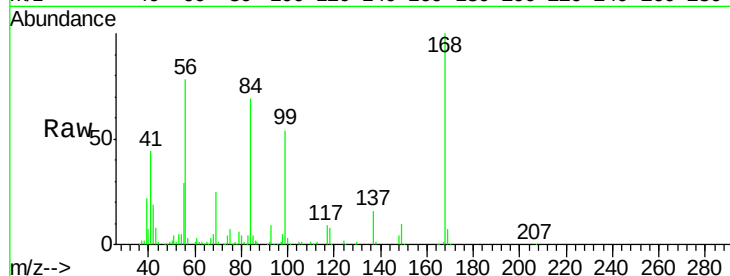
VSTDCCC050

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

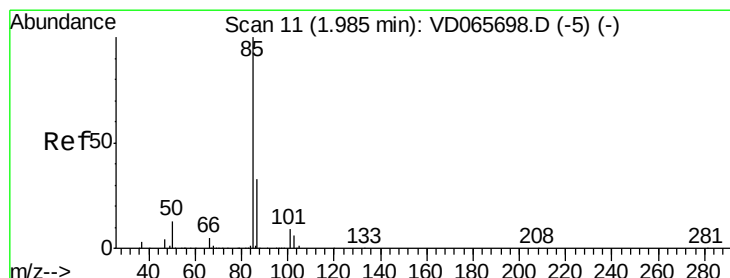
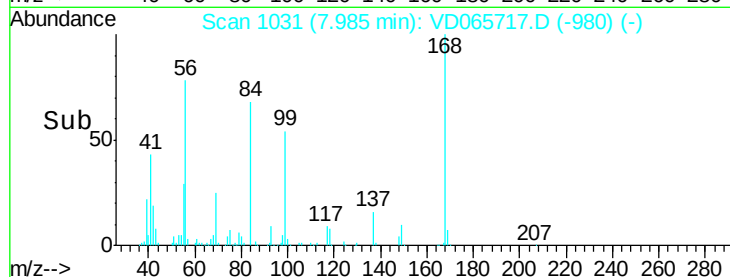
100000

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

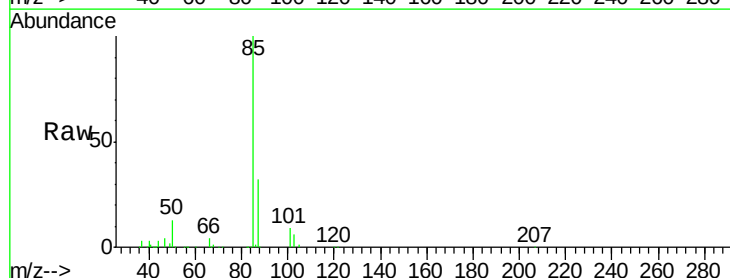
Acq: 08 May 2020 11:14

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

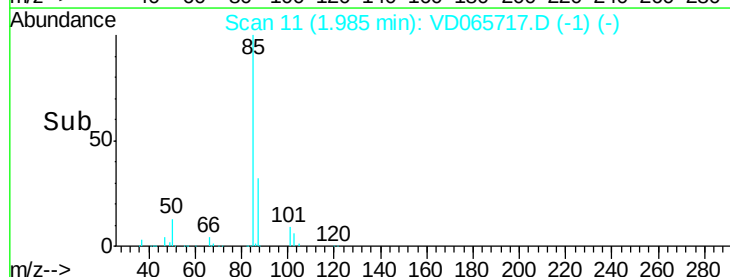
40000

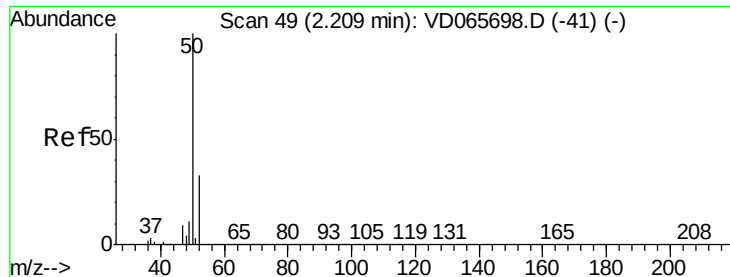
20000

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 :

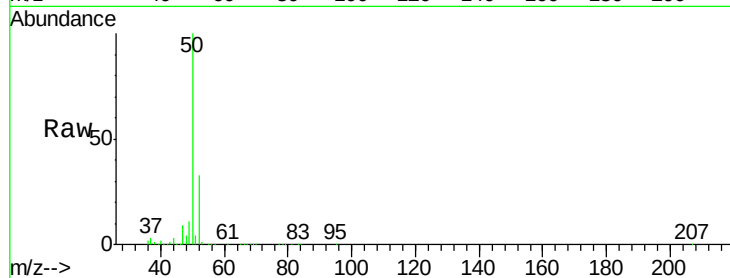
VSTDCCC050

Tot Ion: 50 Resp: 200120

Ion Ratio Lower Upper

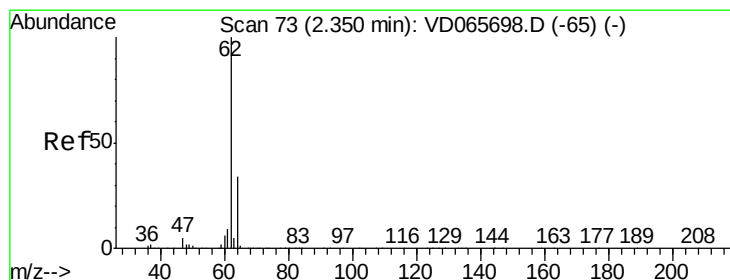
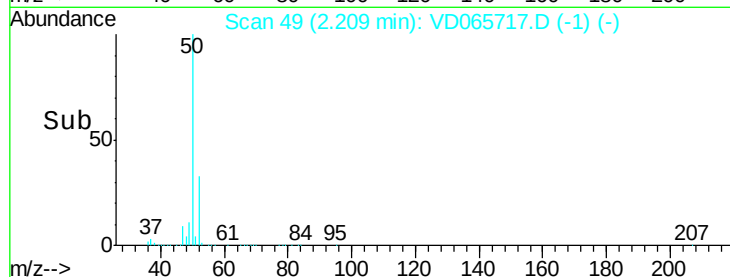
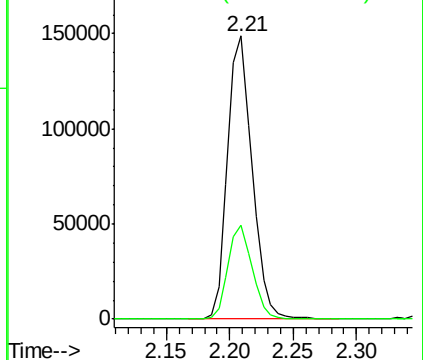
50 100

52 33.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.730 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065717.D

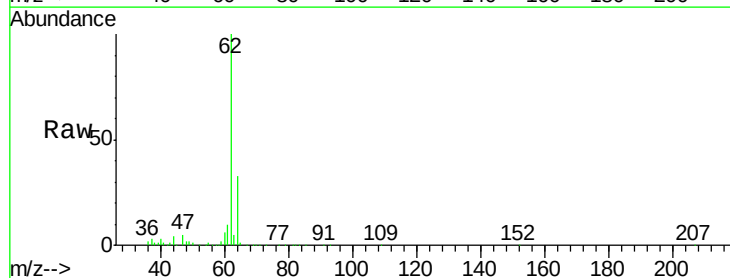
Acq: 08 May 2020 11:14

Tgt Ion: 62 Resp: 215745

Ion Ratio Lower Upper

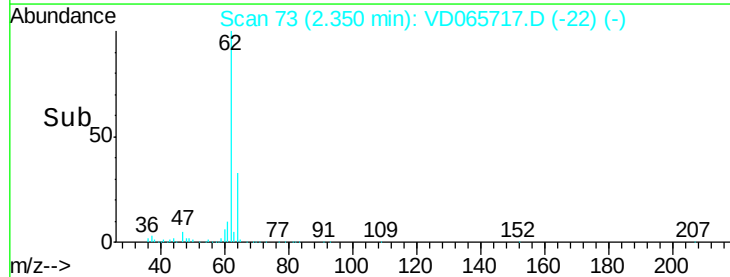
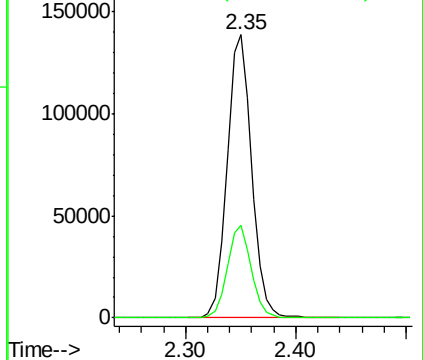
62 100

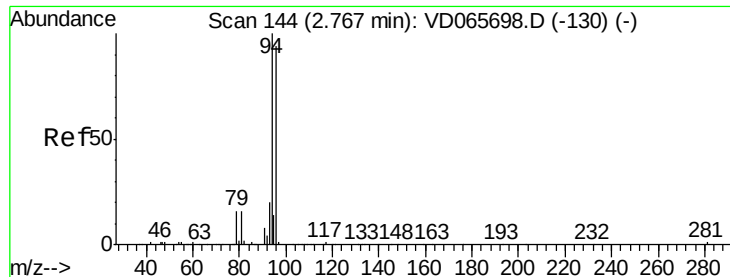
64 32.5 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#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 :

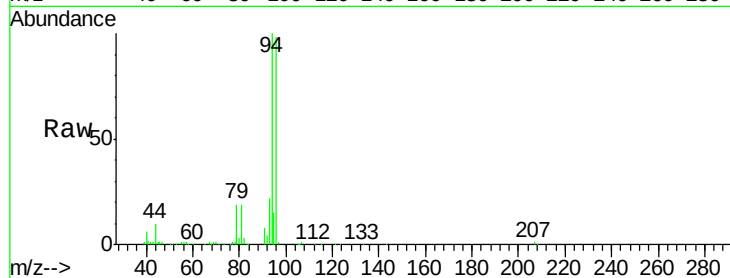
VSTDCCC050

Tot Ion: 94 Resp: 135537

Ion Ratio Lower Upper

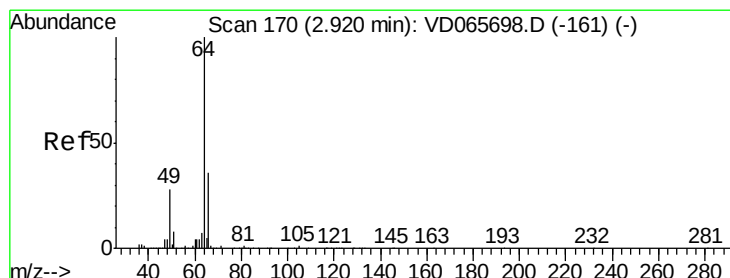
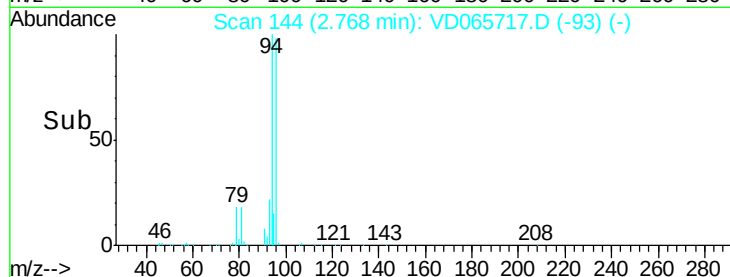
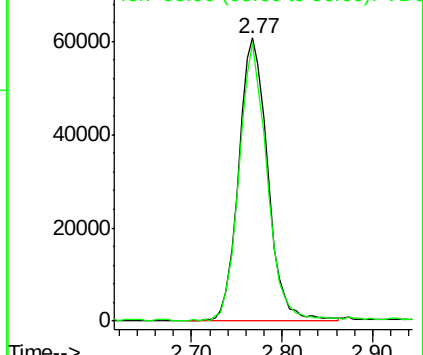
94 100

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

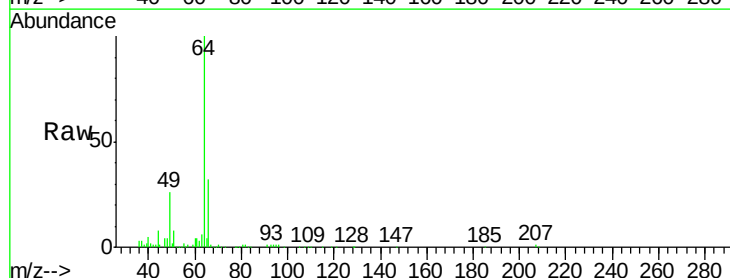
Acq: 08 May 2020 11:14

Tgt Ion: 64 Resp: 137355

Ion Ratio Lower Upper

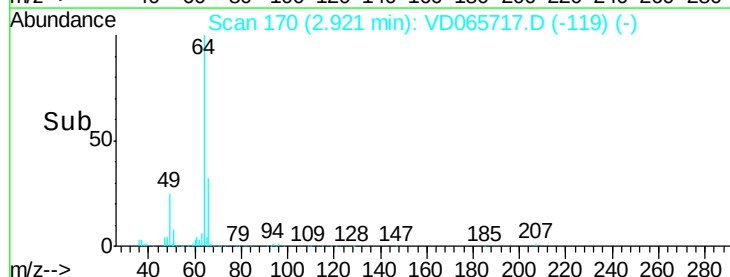
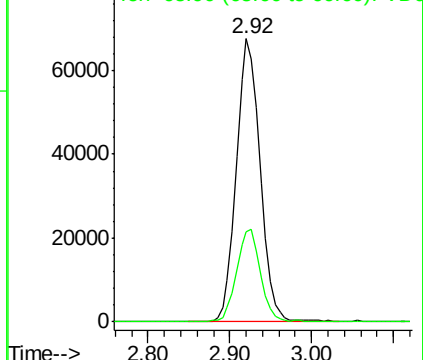
64 100

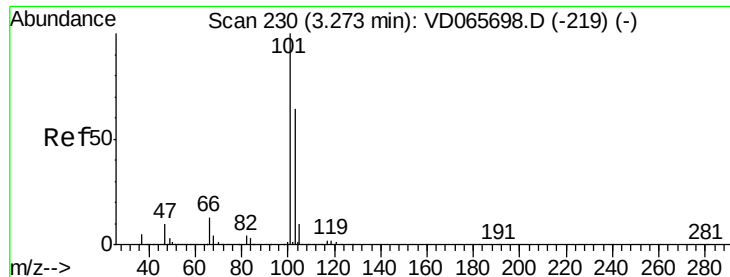
66 31.8 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



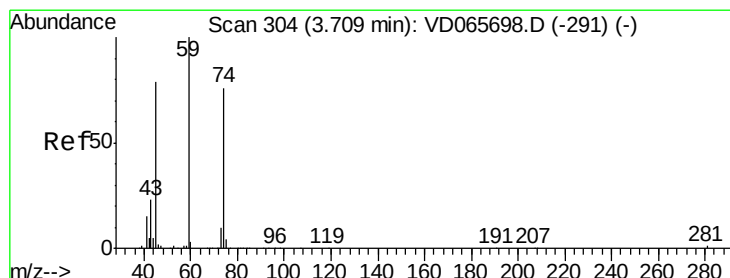
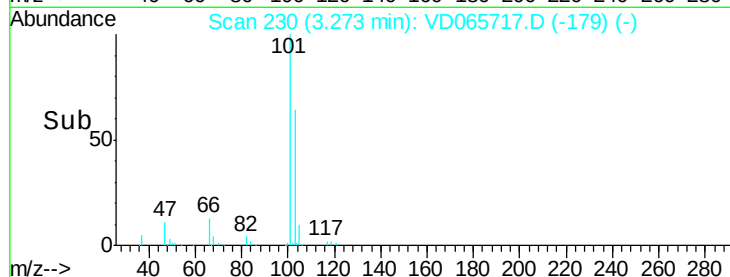
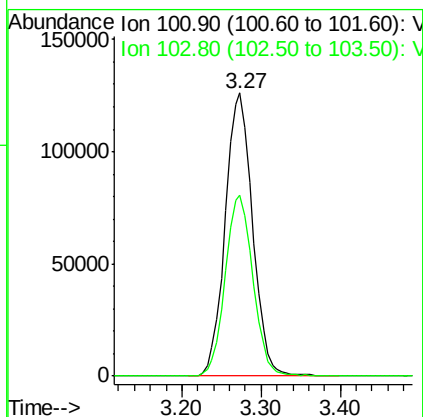
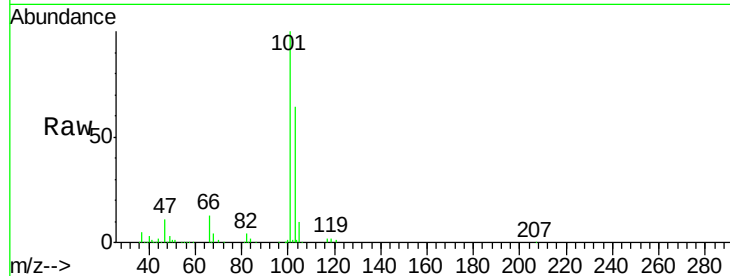


#7

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 :
VSTDCCC050

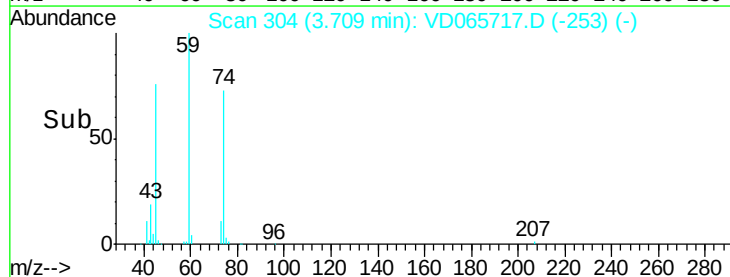
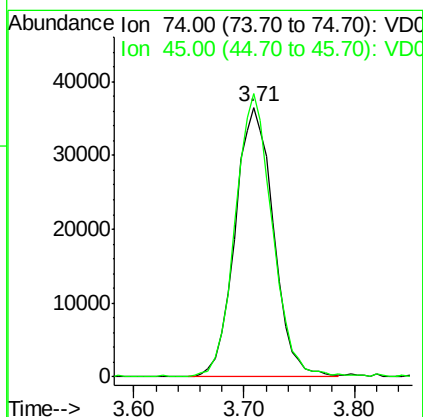
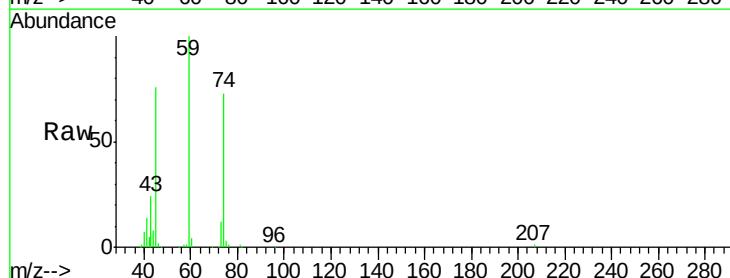
Tot Ion:101 Resp: 301623
Ion Ratio Lower Upper
101 100
103 64.0 51.1 76.7

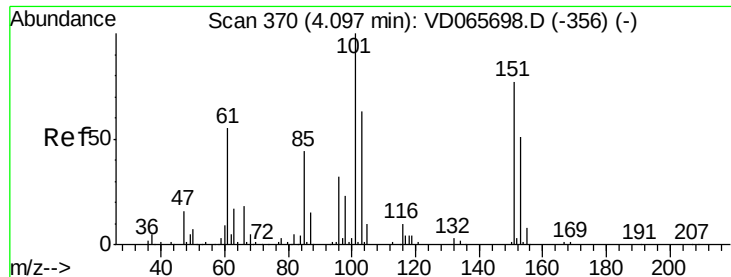


#8

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 :

VSTDCCC050

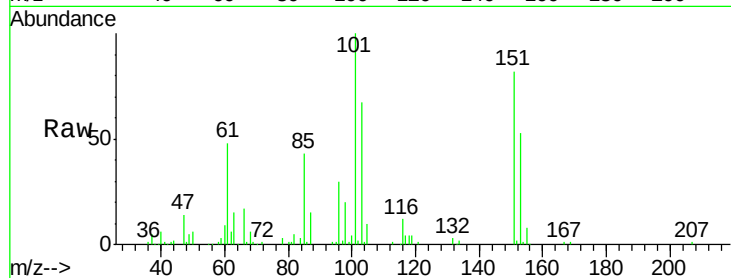
Tot Ion:101 Resp: 185360

Ion Ratio Lower Upper

101 100

85 43.4 34.4 51.6

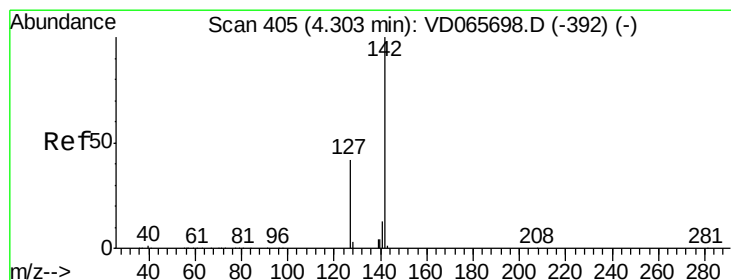
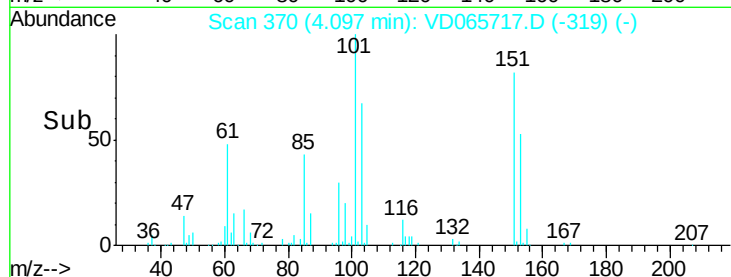
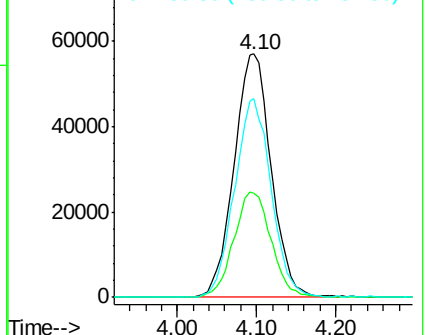
151 80.6 63.0 94.4



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

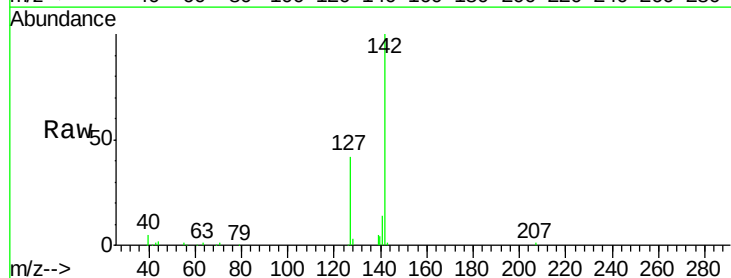
Tgt Ion:142 Resp: 189831

Ion Ratio Lower Upper

142 100

127 41.5 34.5 51.7

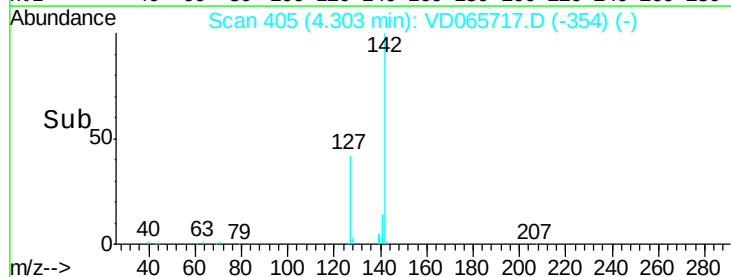
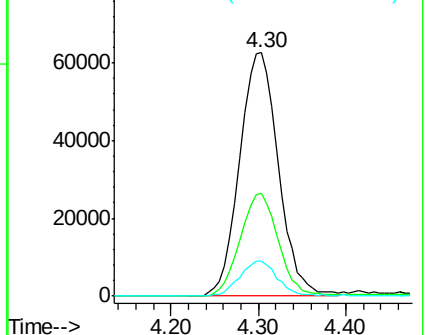
141 14.0 11.6 17.4

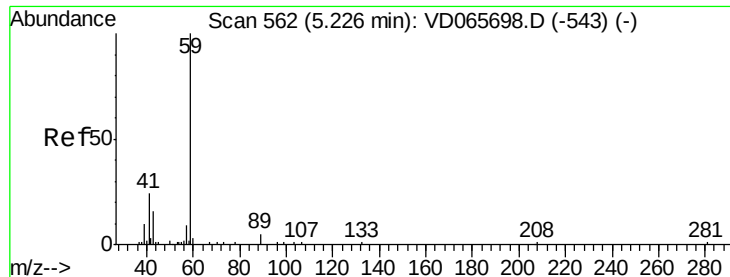


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



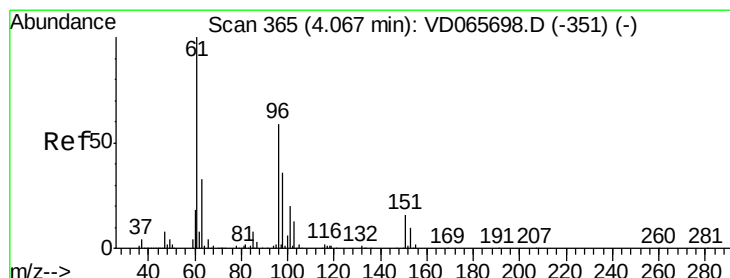
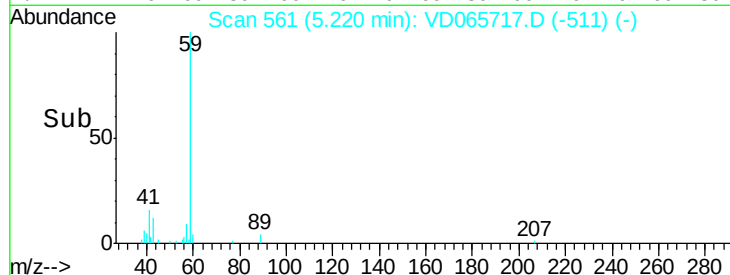
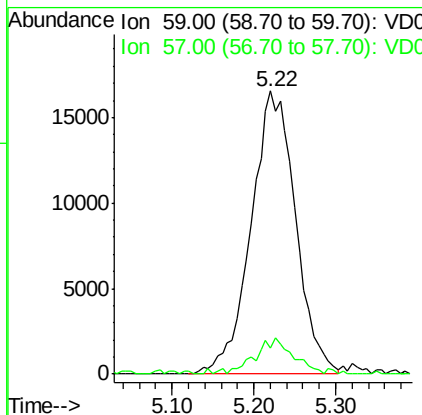
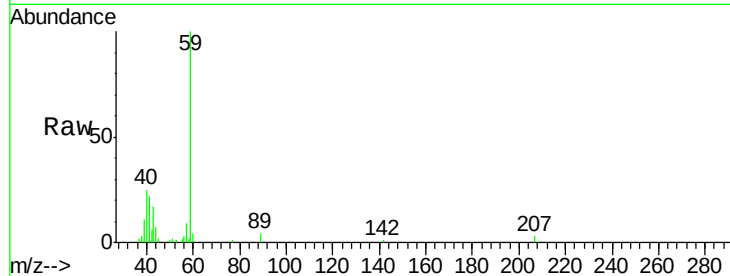


#11

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 :
 VSTDCCC050

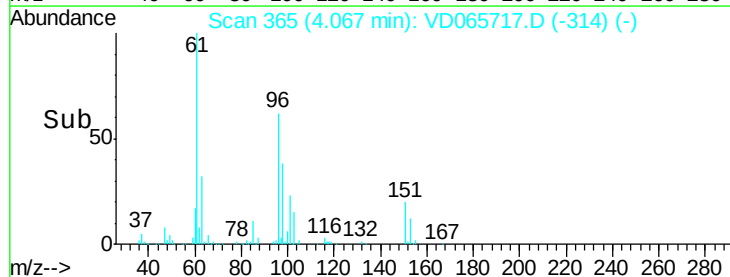
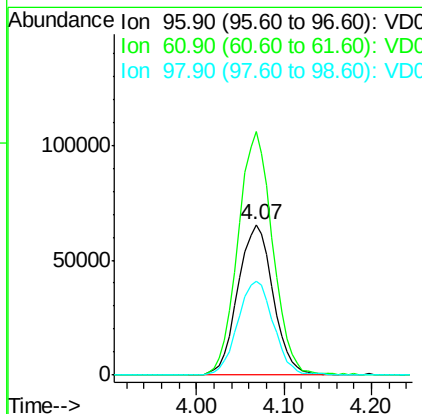
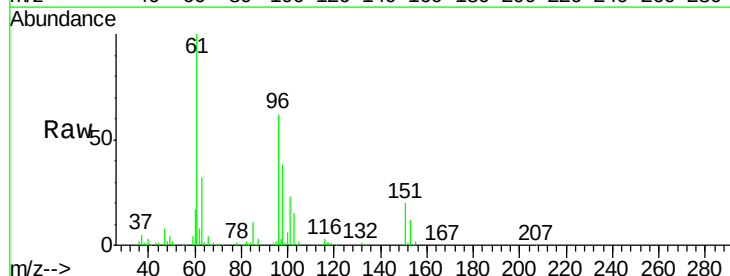
Tot Ion: 59 Resp: 62616
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.7 13.1

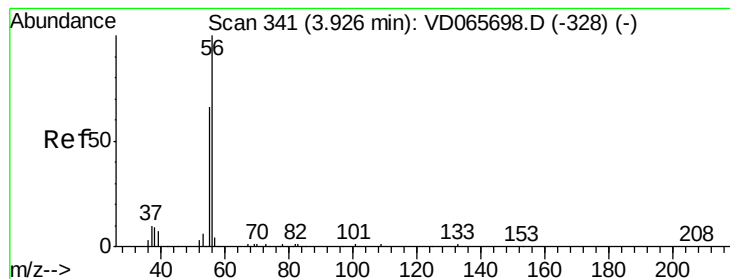


#12

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 :

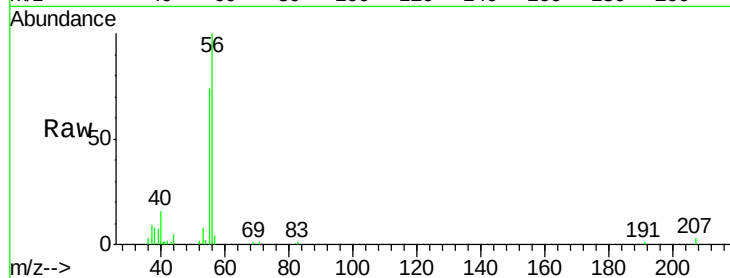
VSTDCCC050

Tot Ion: 56 Resp: 66789

Ion Ratio Lower Upper

56 100

55 70.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

25000

20000

15000

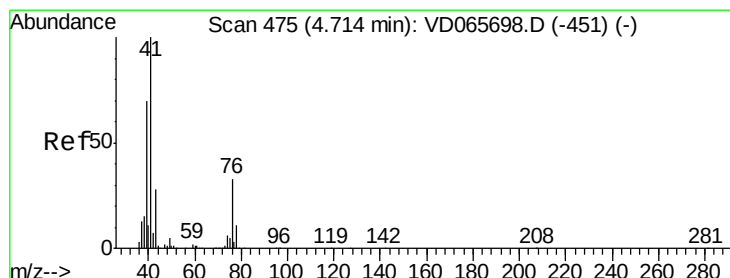
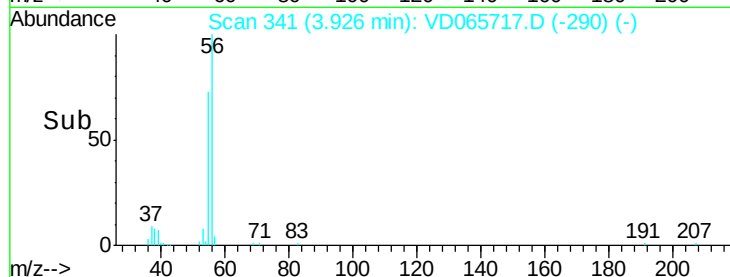
10000

5000

0

Time-->

3.80 3.90 4.00



#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

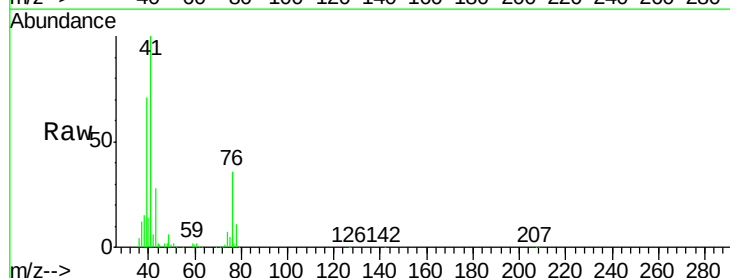
Tgt Ion: 41 Resp: 314356

Ion Ratio Lower Upper

41 100

39 71.9 55.6 83.4

76 34.8 25.6 38.4



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

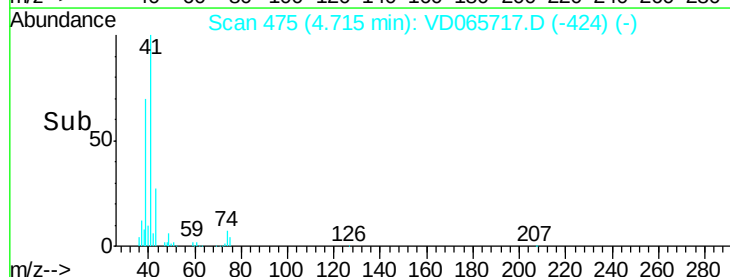
100000

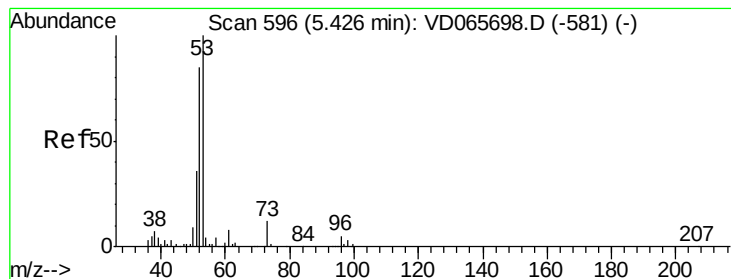
50000

0

Time-->

4.50 4.60 4.70 4.80





#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 :

VSTDCCC050

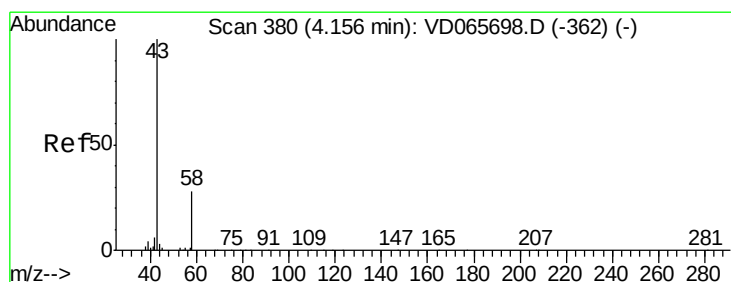
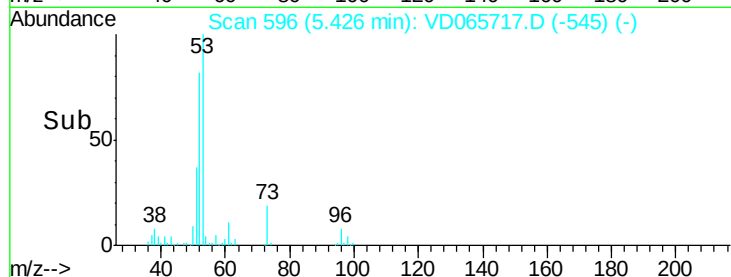
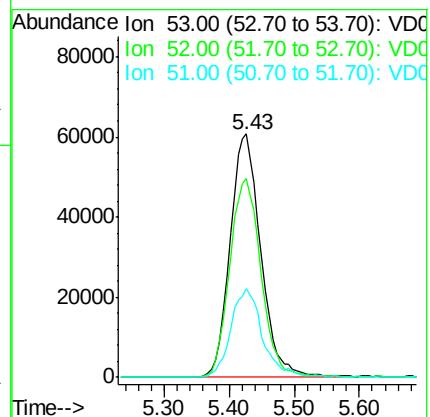
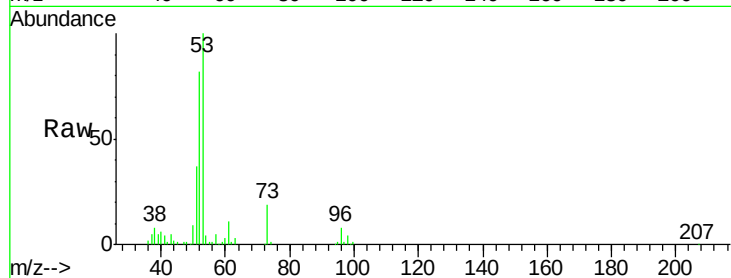
Tot Ion: 53 Resp: 198594

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

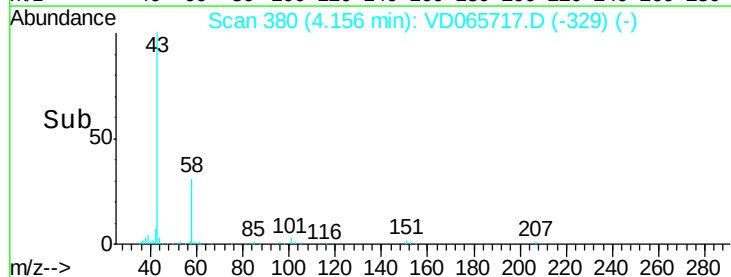
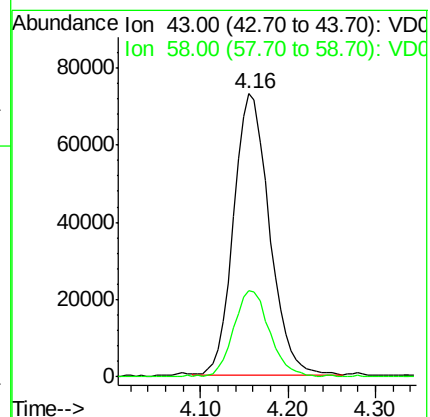
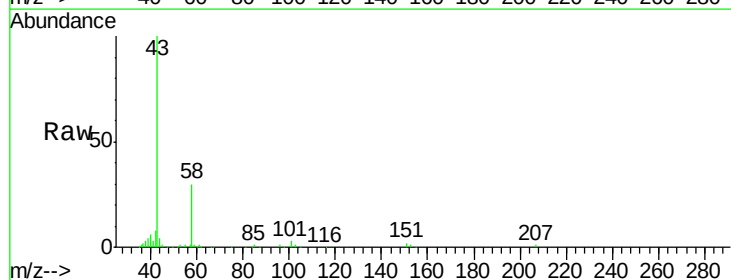
Acq: 08 May 2020 11:14

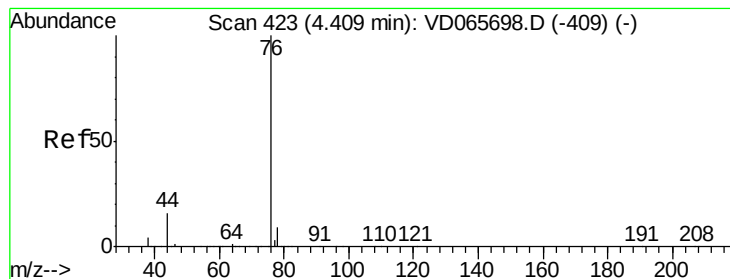
Tgt Ion: 43 Resp: 201645

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 :

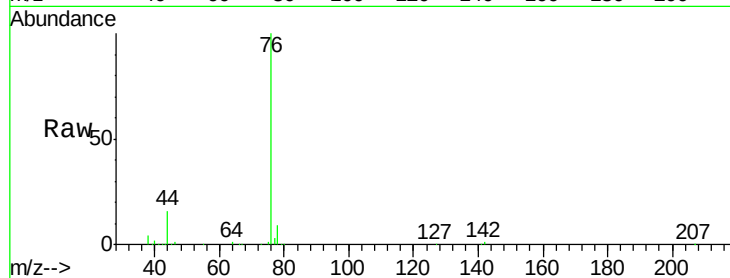
VSTDCCC050

Tot Ion: 76 Resp: 571018

Ion Ratio Lower Upper

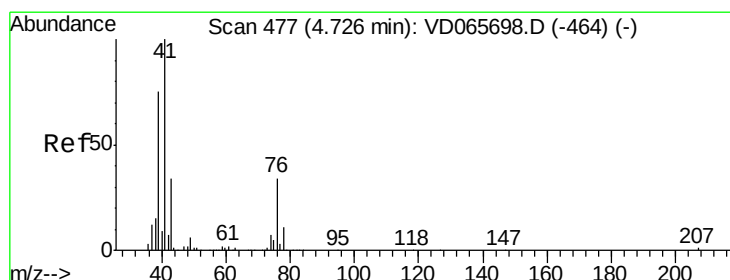
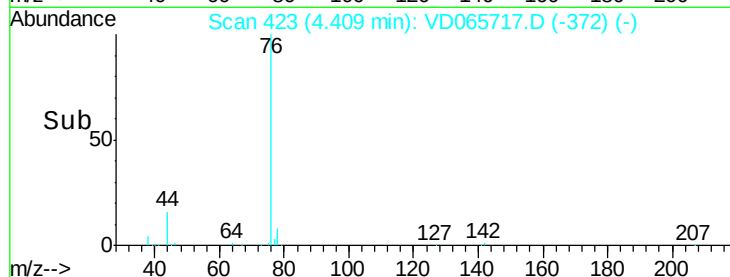
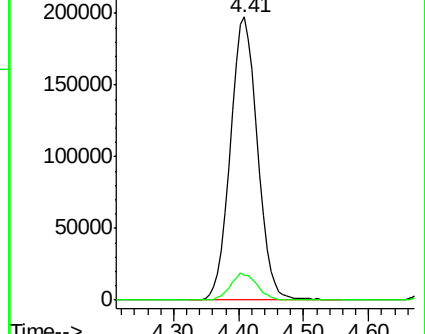
76 100

78 9.0 6.8 10.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 41.666 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065717.D

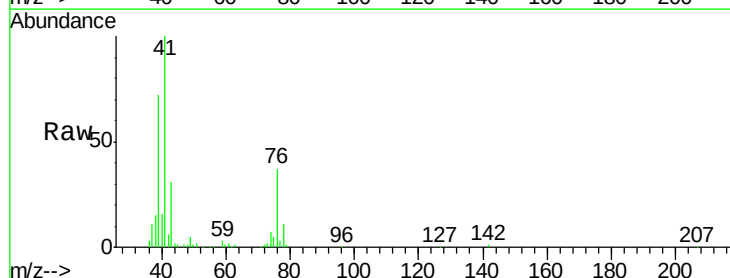
Acq: 08 May 2020 11:14

Tgt Ion: 43 Resp: 87136

Ion Ratio Lower Upper

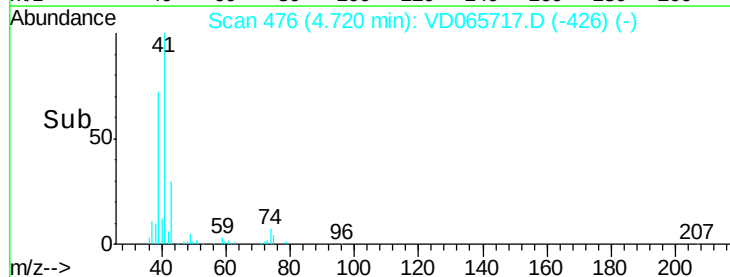
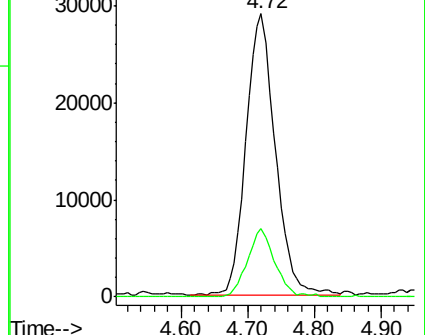
43 100

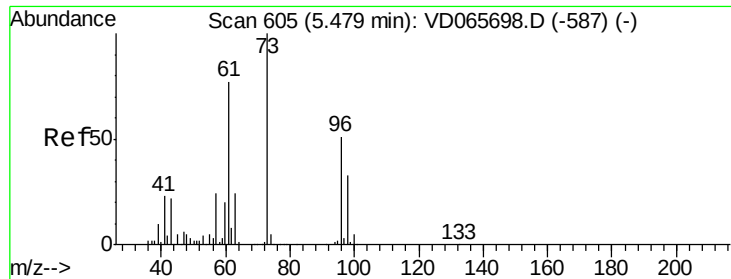
74 22.7 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

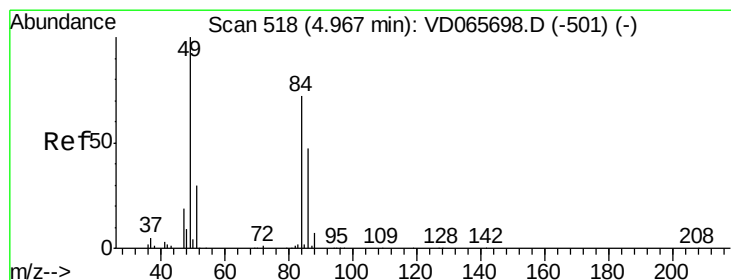
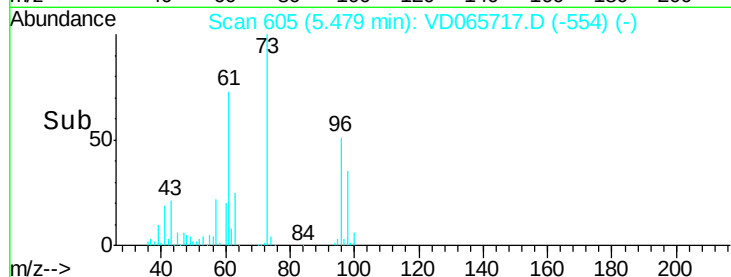
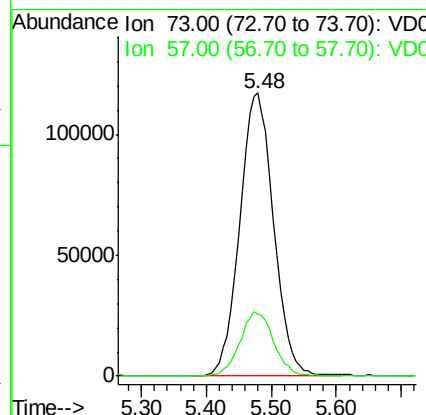
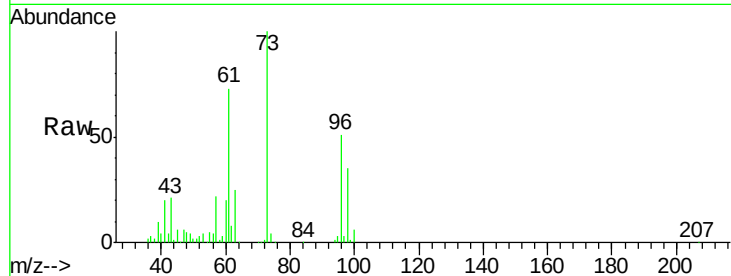




#19
Methyl tert-butyl Ether
Concen: 46.399 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

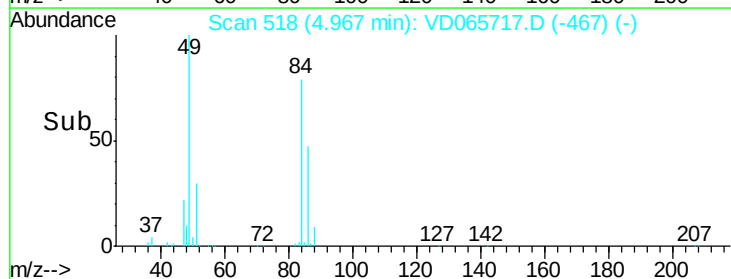
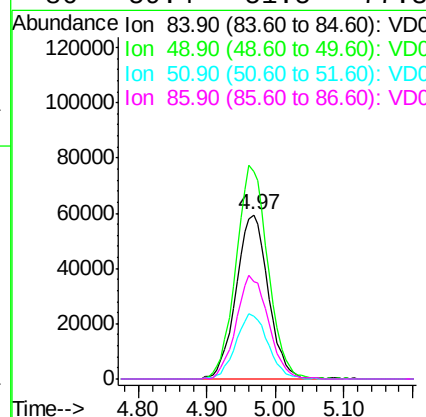
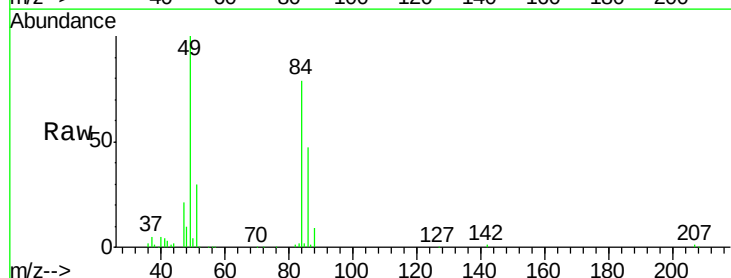
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

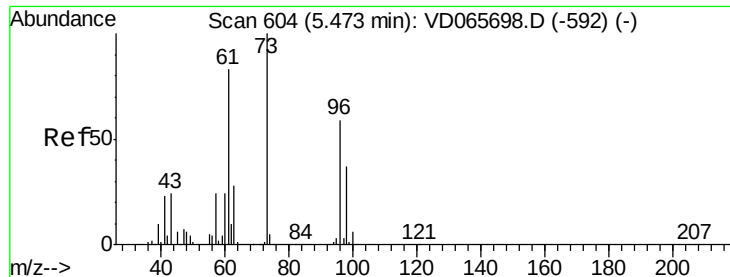
Tot Ion: 73 Resp: 422050
Ion Ratio Lower Upper
73 100
57 22.0 19.4 29.0



#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

ClientSampleId :

VSTDCCC050

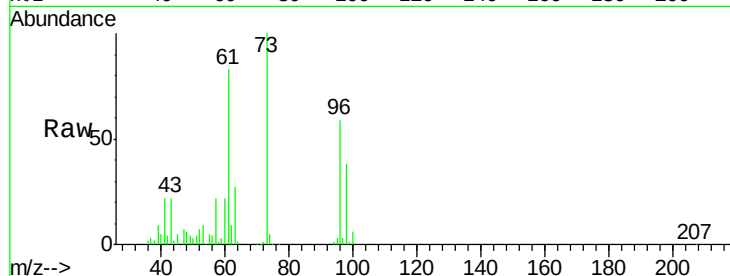
Tot Ion: 96 Resp: 200181

Ion Ratio Lower Upper

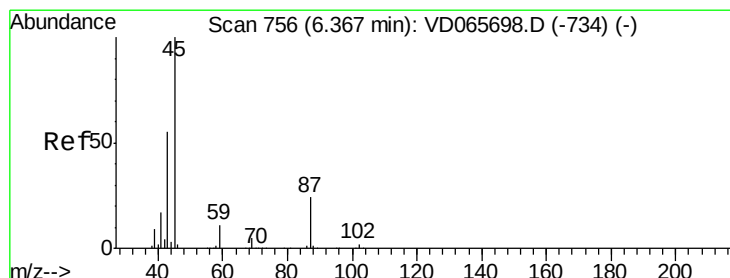
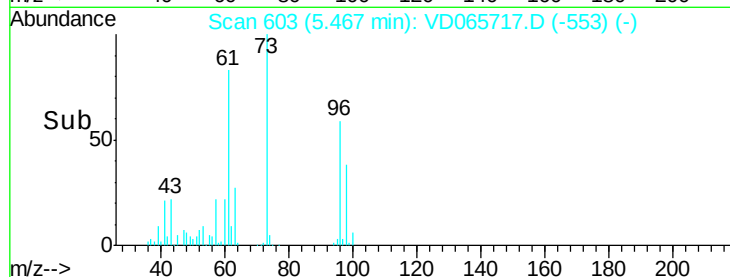
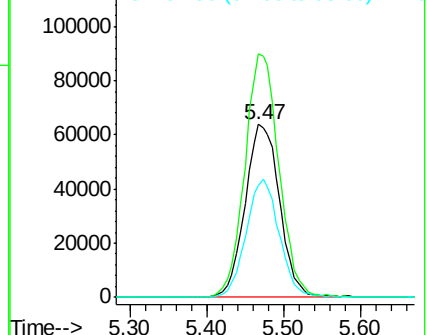
96 100

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

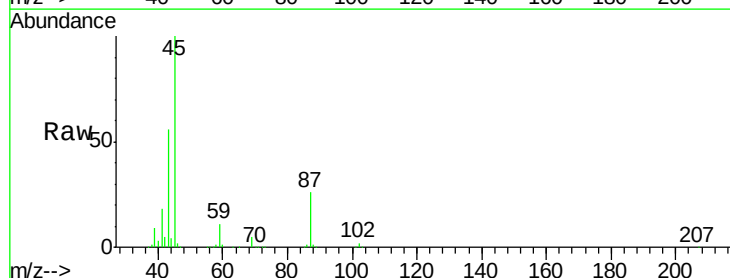
Ion Ratio Lower Upper

45 100

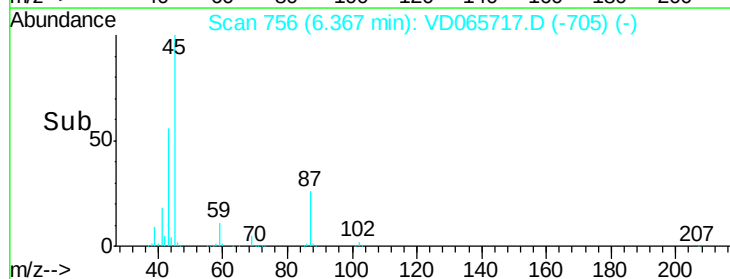
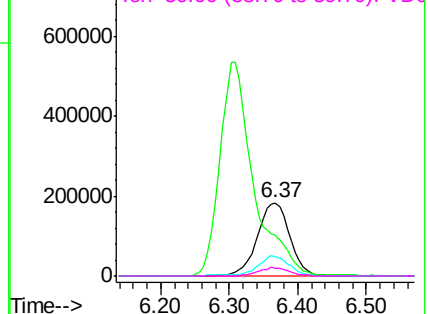
43 55.1 44.2 66.4

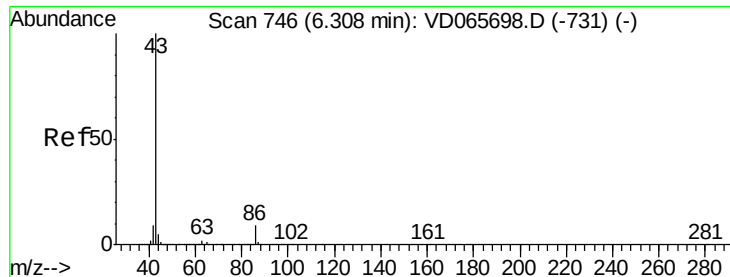
87 26.0 19.0 28.4

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 :

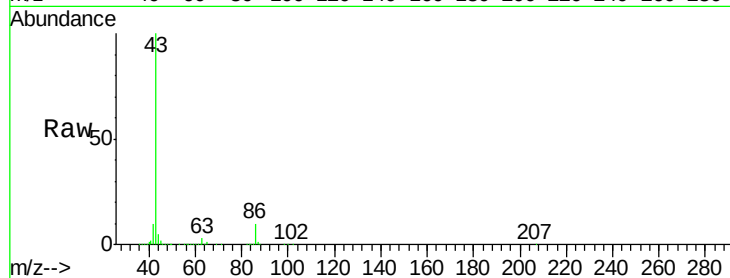
VSTDCCC050

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

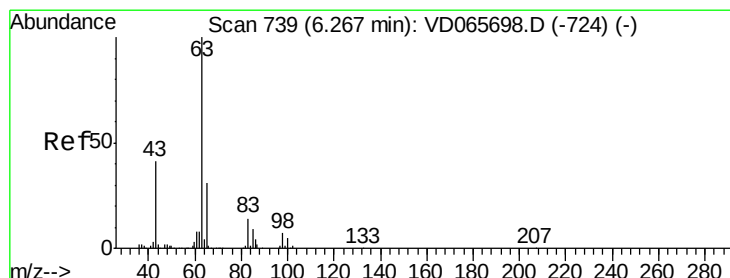
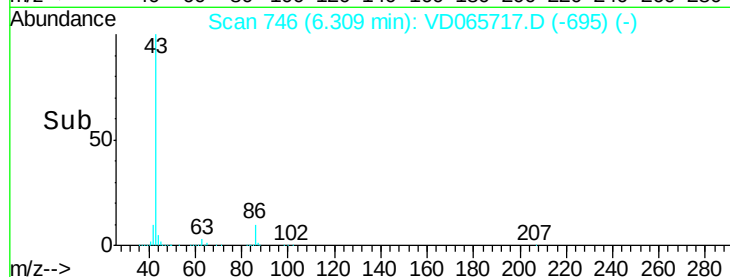
300000

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

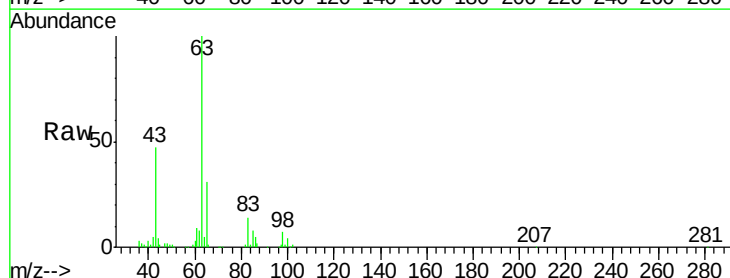
Tgt Ion: 63 Resp: 350745

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

6.27

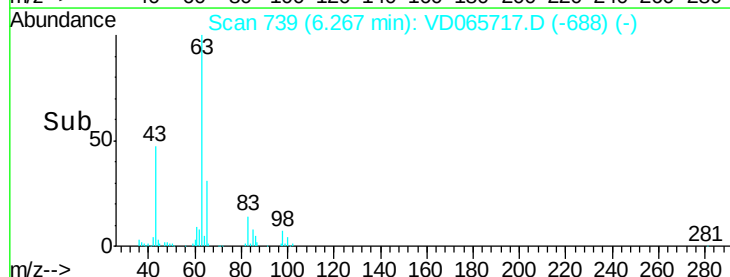
150000

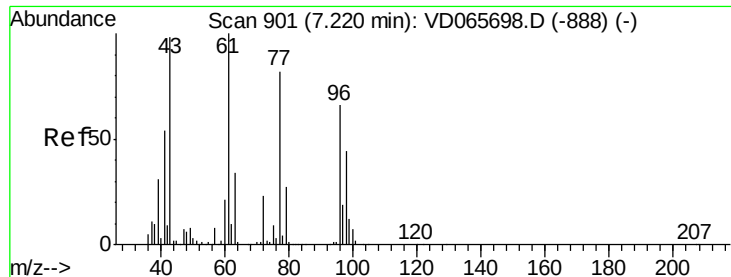
100000

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

ClientSampleId :

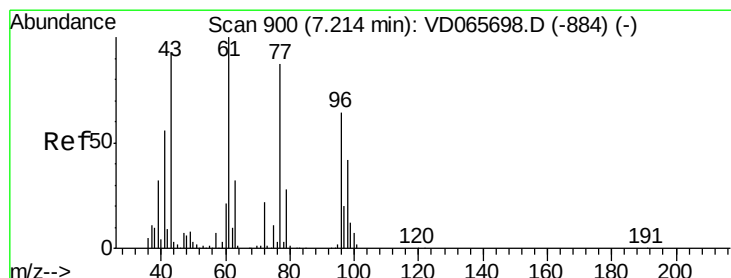
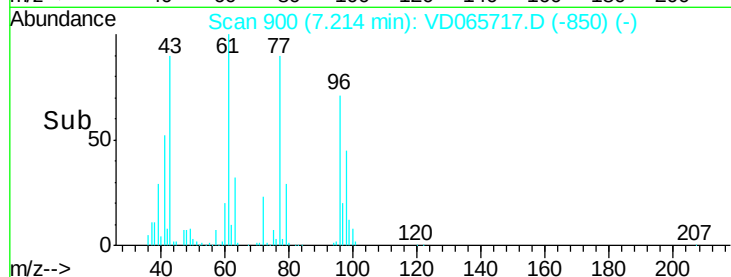
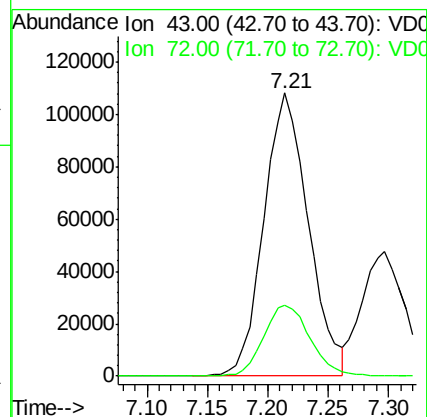
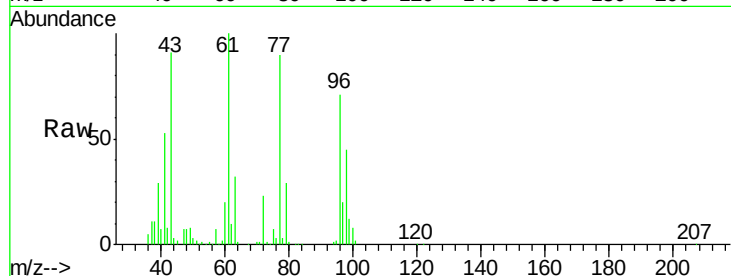
VSTDCCC050

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

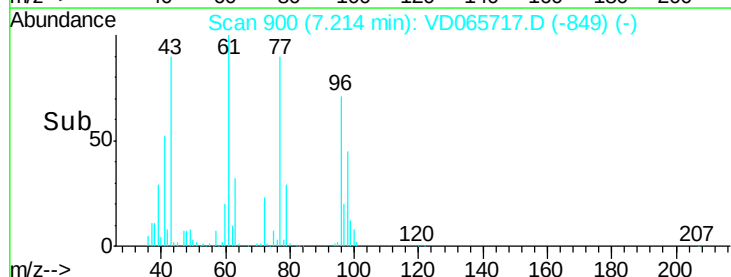
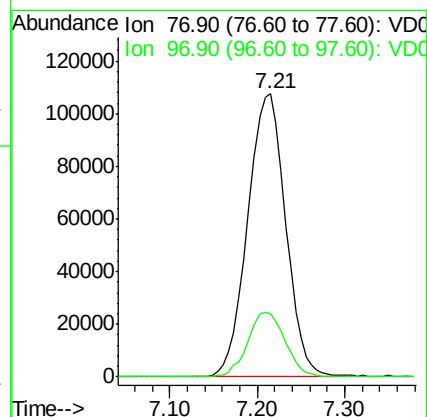
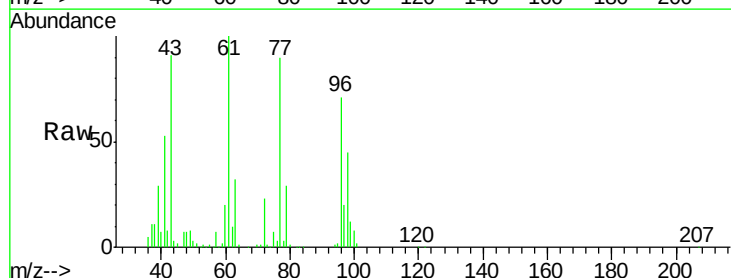
Acq: 08 May 2020 11:14

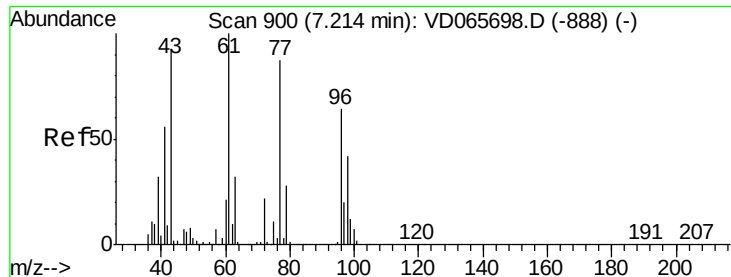
Tgt Ion: 77 Resp: 318329

Ion Ratio Lower Upper

77 100

97 22.7 11.3 33.9



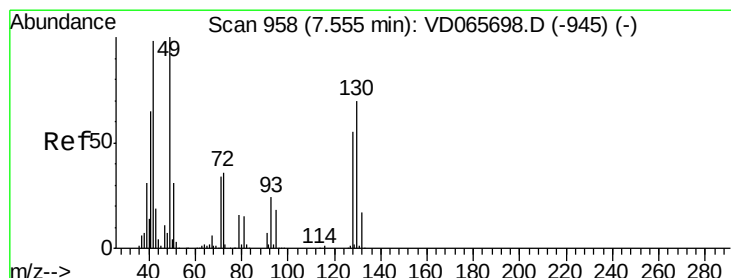
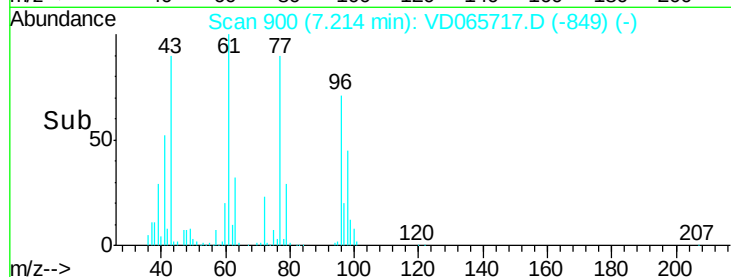
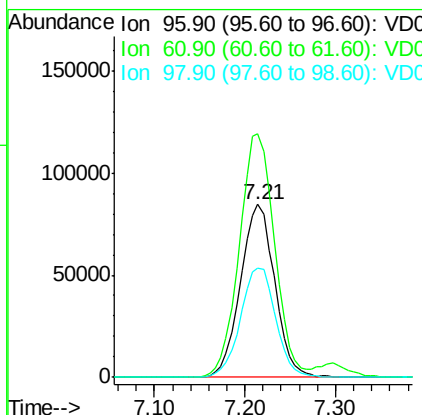
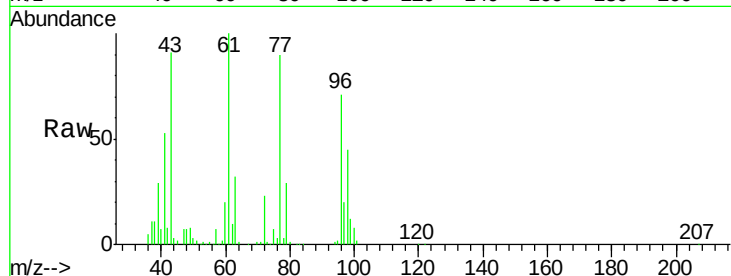


#27

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
 ClientSampleId :
 VSTDCCC050

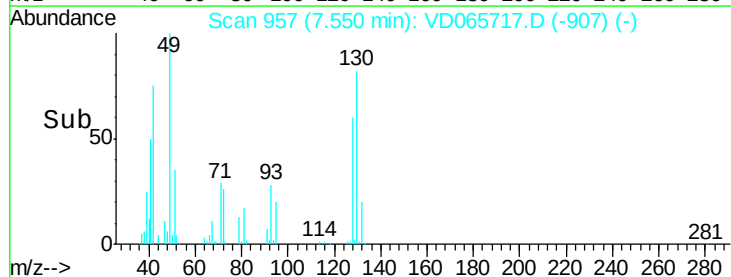
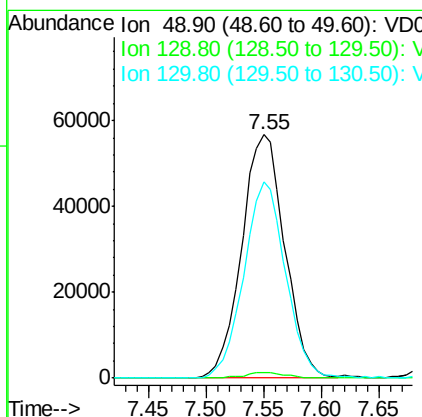
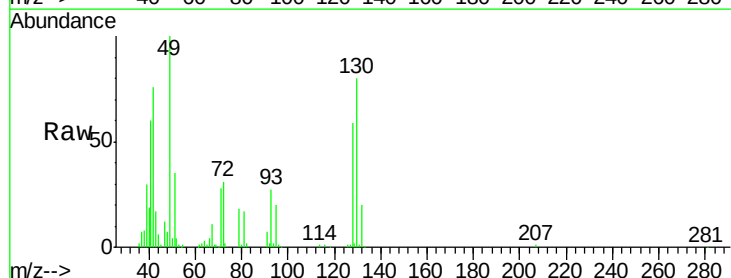
Tot Ion: 96 Resp: 222704
 Ion Ratio Lower Upper
 96 100
 61 144.5 0.0 306.6
 98 64.8 0.0 129.4

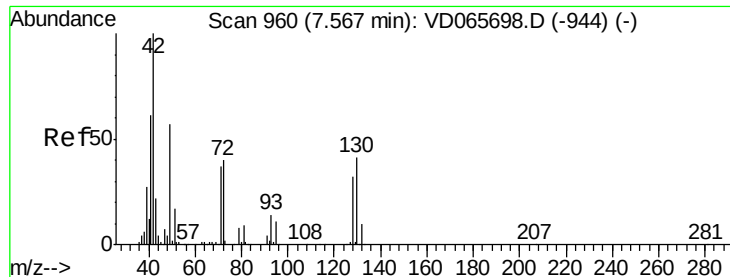


#28

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





#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 :

VSTDCCC050

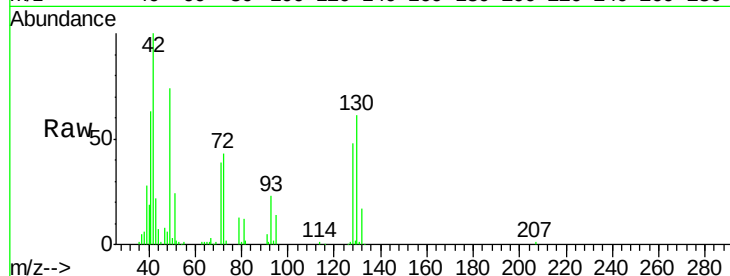
Tot Ion: 42 Resp: 167393

Ion Ratio Lower Upper

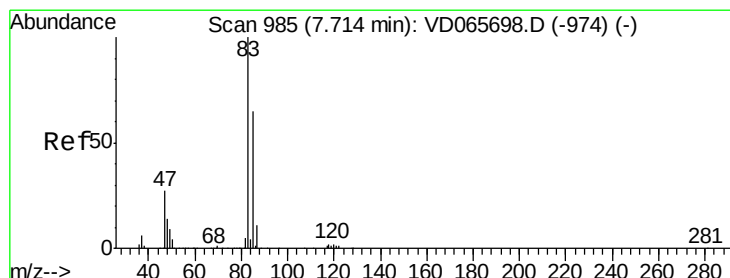
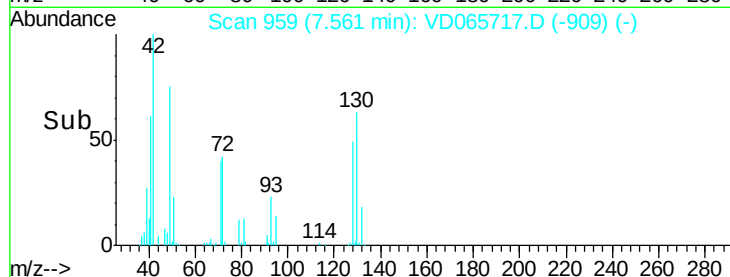
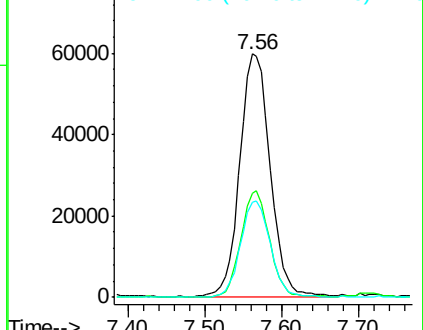
42 100

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

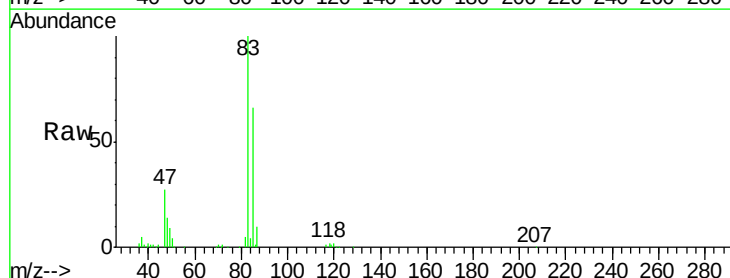
Acq: 08 May 2020 11:14

Tgt Ion: 83 Resp: 344981

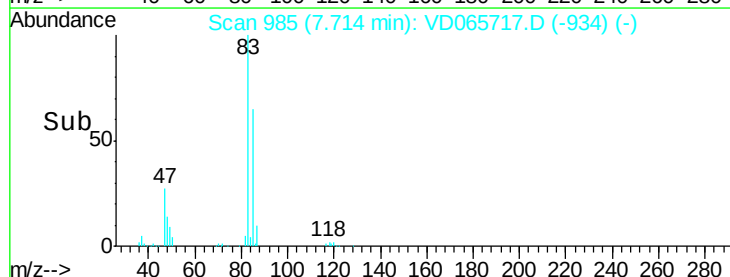
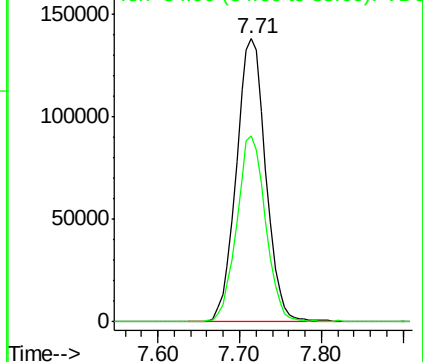
Ion Ratio Lower Upper

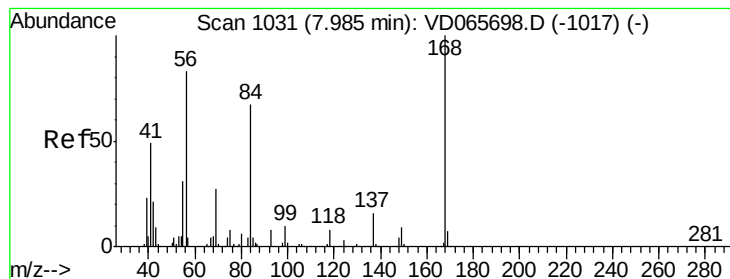
83 100

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 :

VSTDCCC050

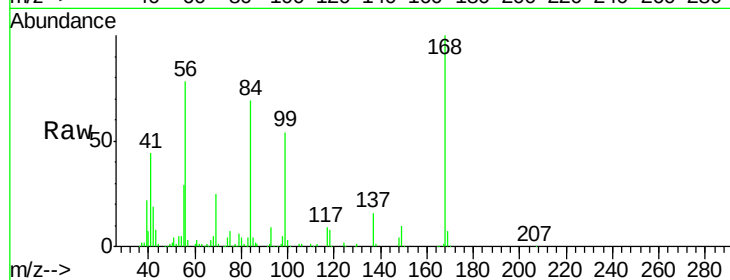
Tot Ion: 56 Resp: 331890

Ion Ratio Lower Upper

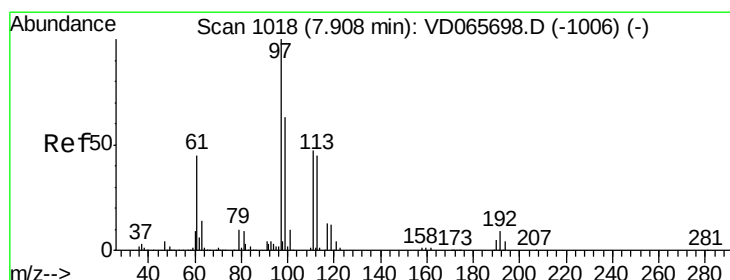
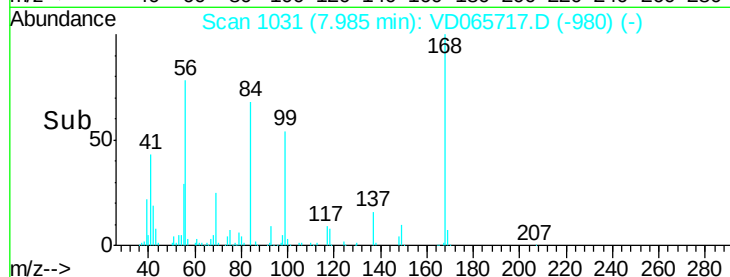
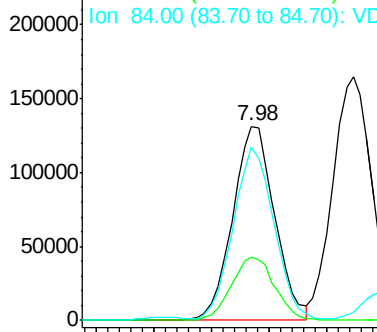
56 100

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

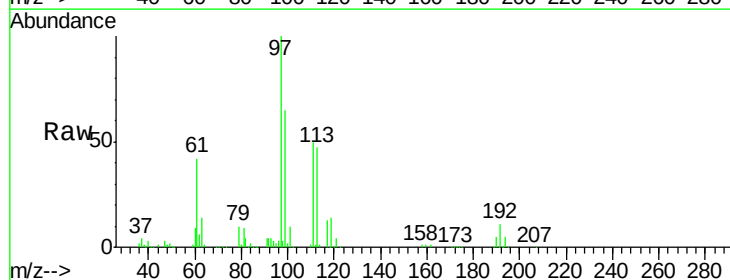
Tgt Ion: 97 Resp: 322087

Ion Ratio Lower Upper

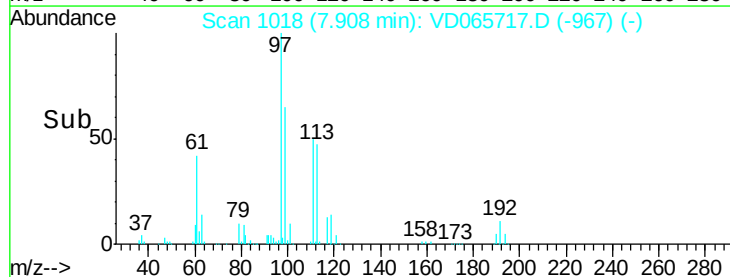
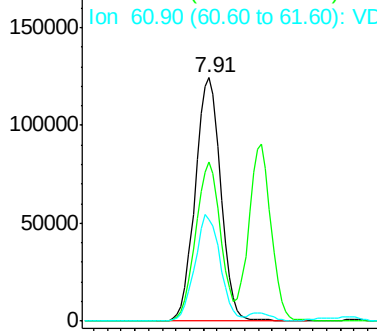
97 100

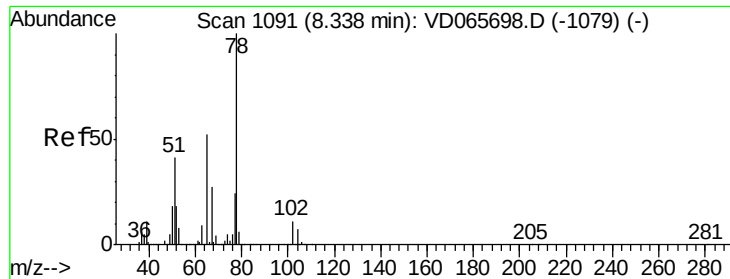
99 63.4 50.8 76.2

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

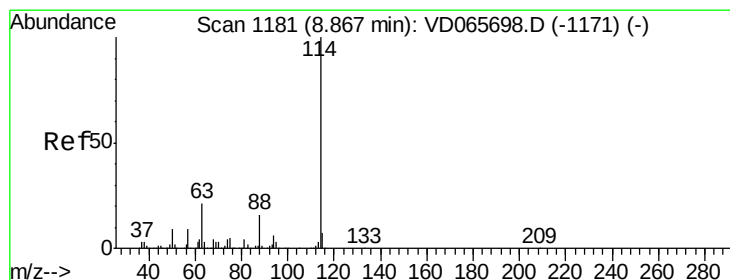
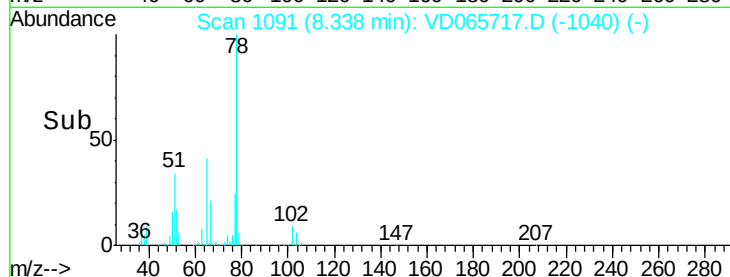
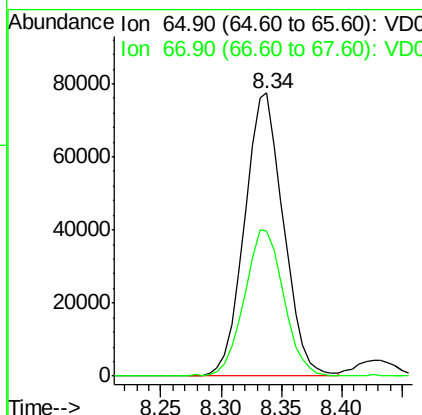
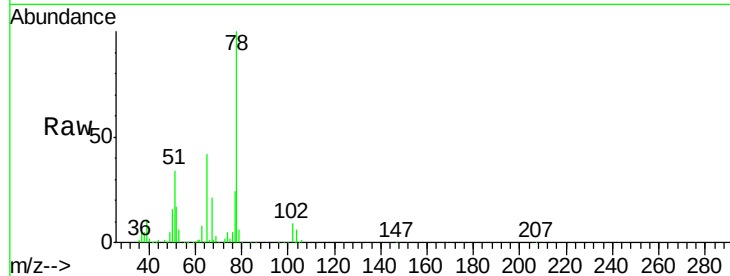




#33
 1,2-Dichloroethane-d4
 Concen: 44.042 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

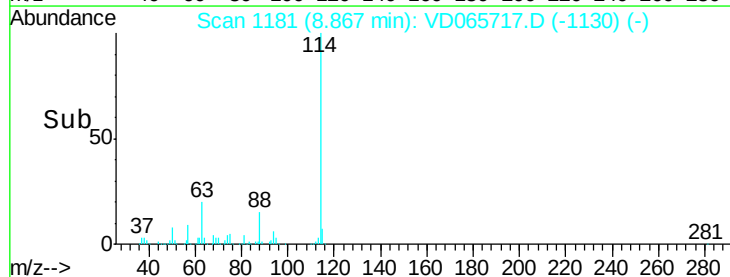
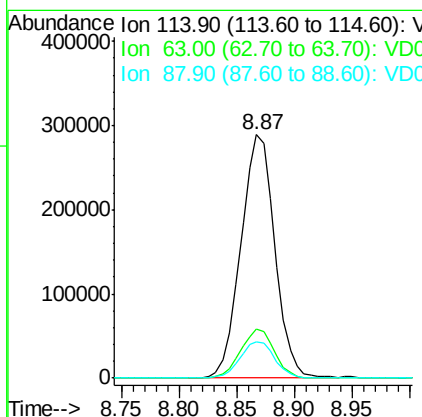
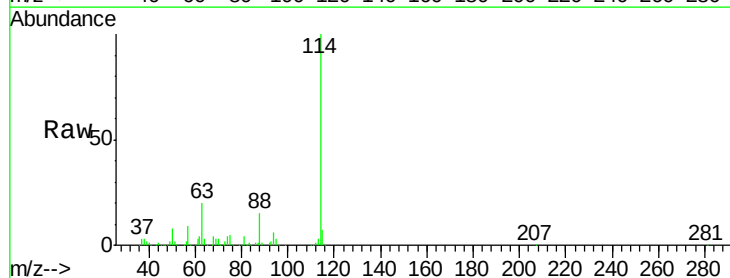
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

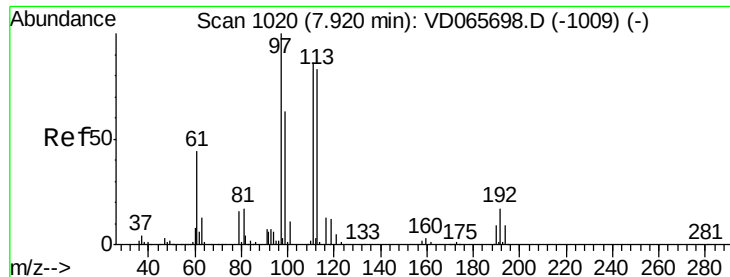
Tot Ion: 65 Resp: 173504
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.8



#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

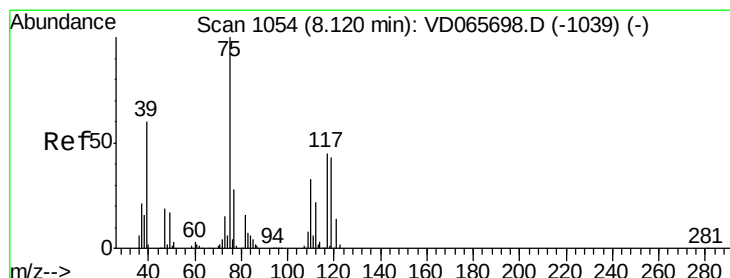
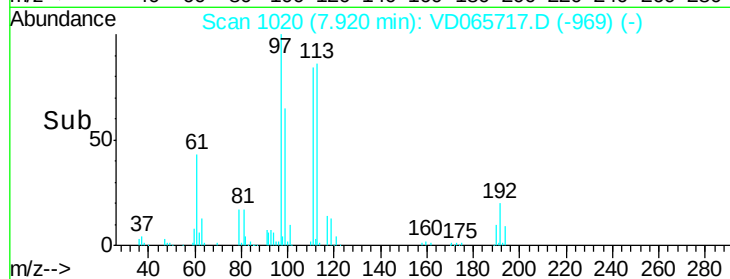
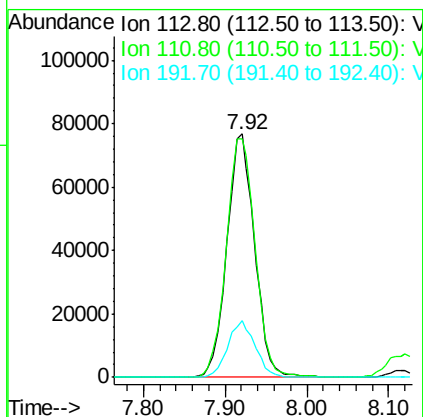
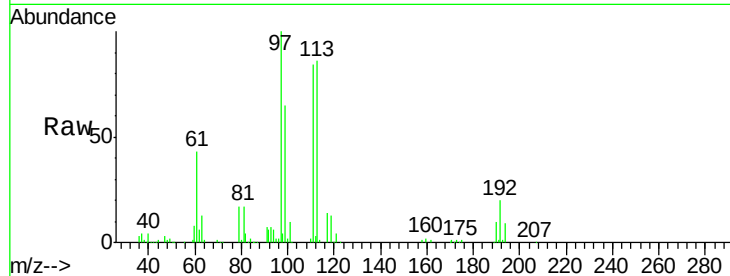




#35
 Dibromofluoromethane
 Concen: 48.911 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

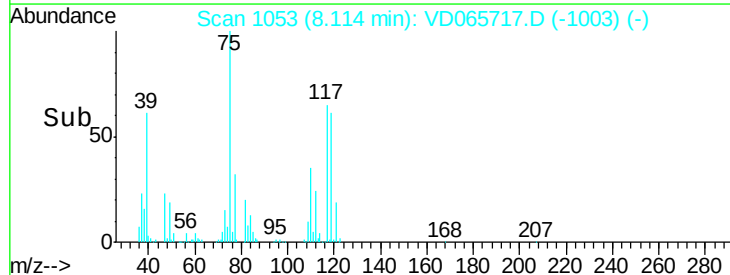
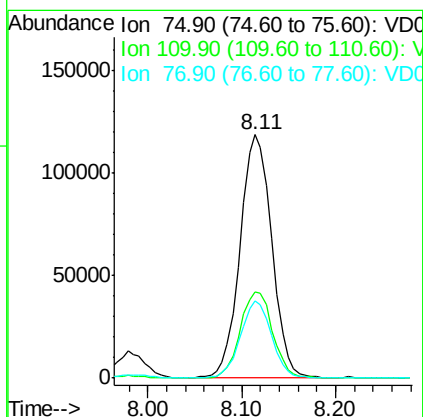
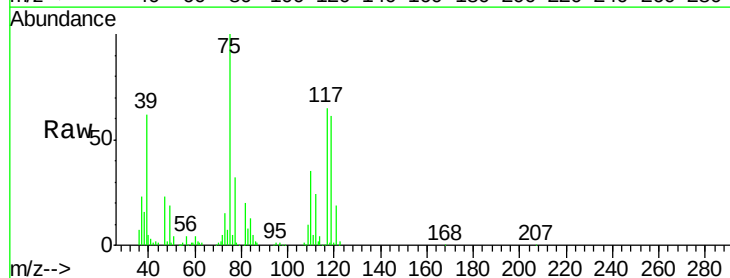
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

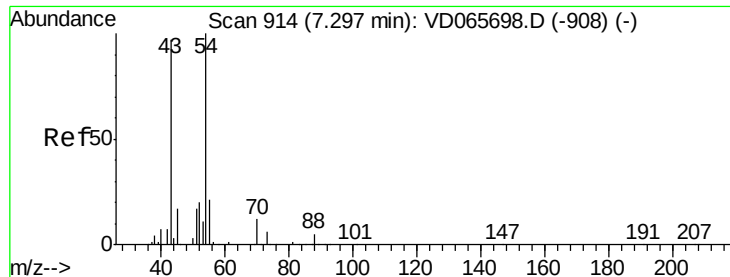
Tot Ion:113 Resp: 180785
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.7 124.1
 192 23.0 17.0 25.4



#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: 75 Resp: 276280
 Ion Ratio Lower Upper
 75 100
 110 36.4 17.2 51.6
 77 31.4 23.7 35.5

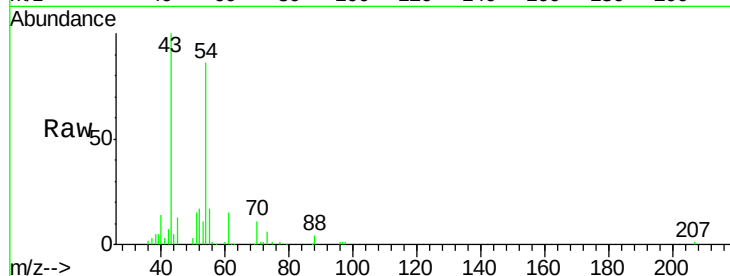




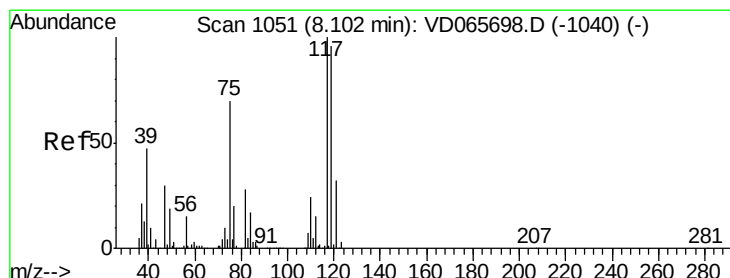
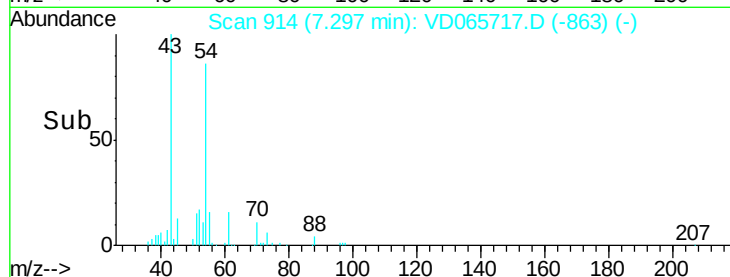
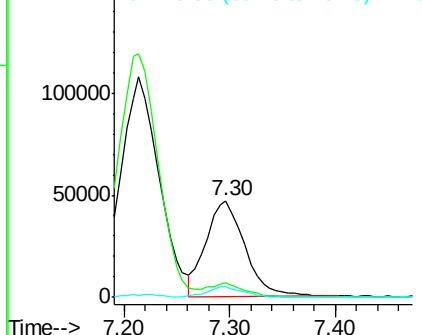
#37
Ethyl Acetate
Concen: 42.506 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

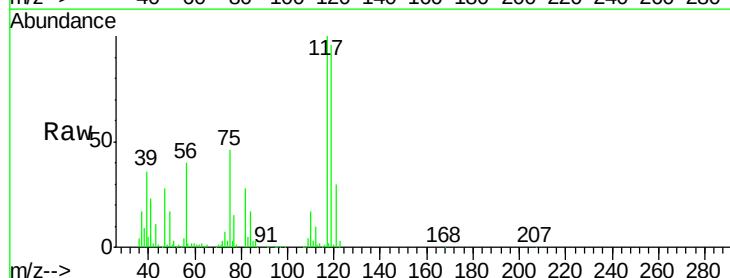


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

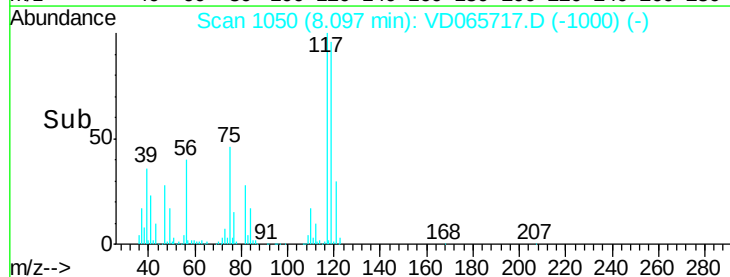
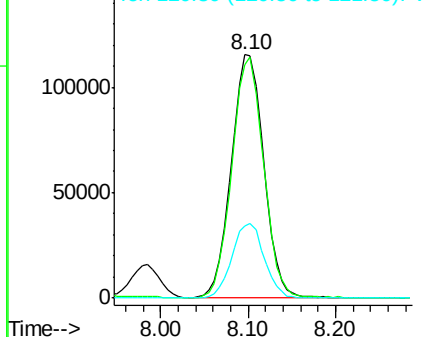


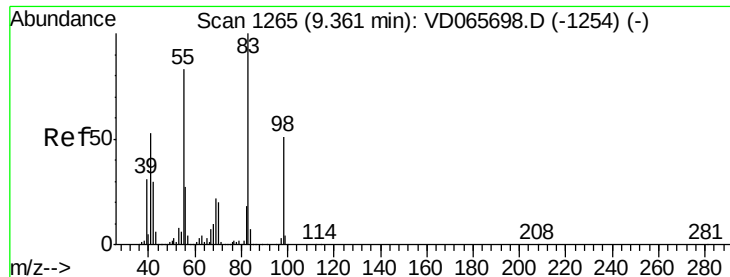
#38
Carbon Tetrachloride
Concen: 49.621 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

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

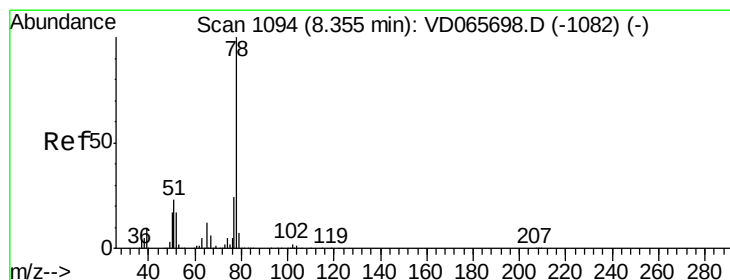
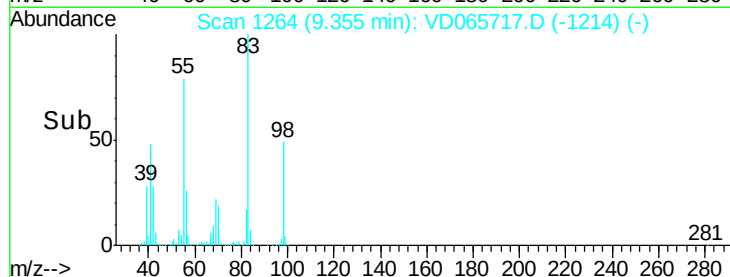
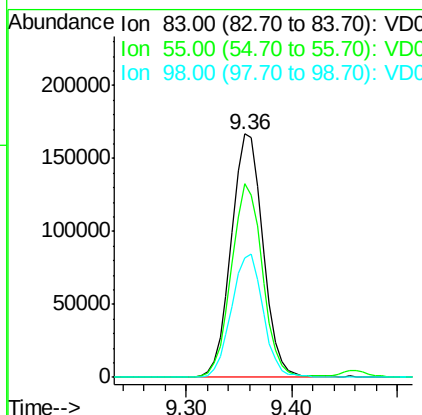
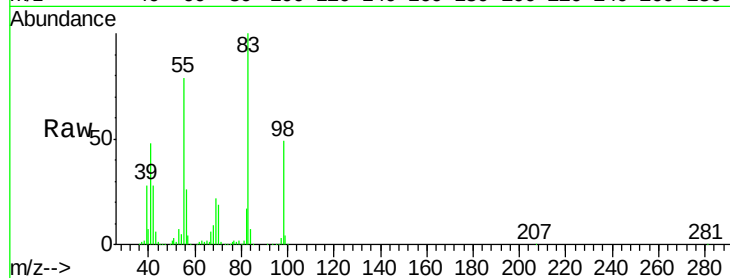




#39
Methylvlcyclohexane
Concen: 47.222 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

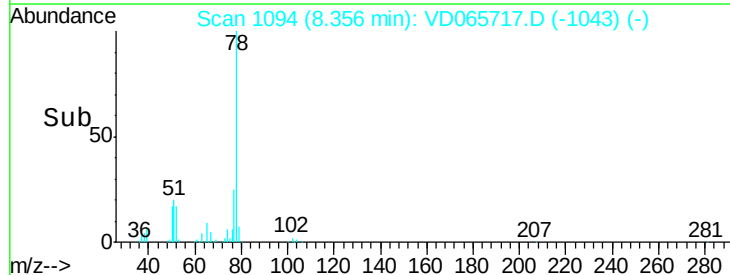
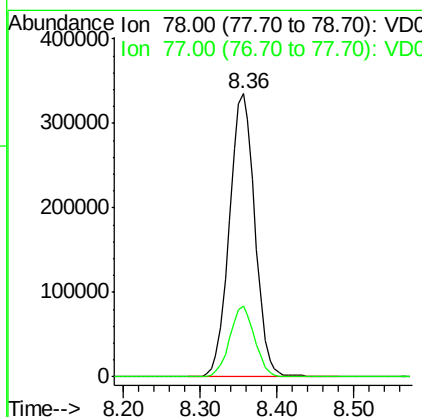
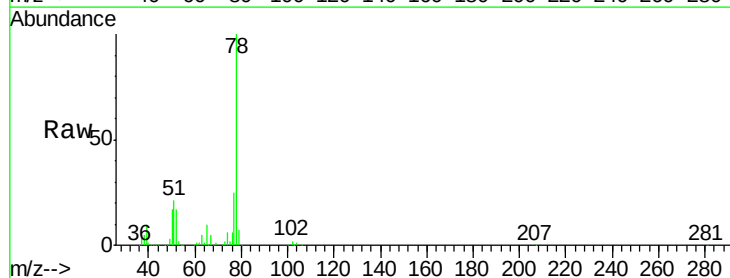
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

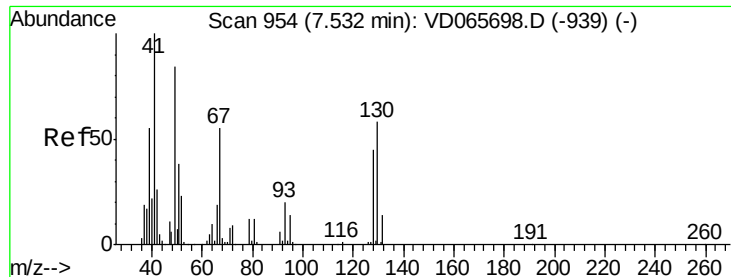
Tot Ion: 83 Resp: 348202
Ion Ratio Lower Upper
83 100
55 79.1 66.0 99.0
98 49.2 41.0 61.4



#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

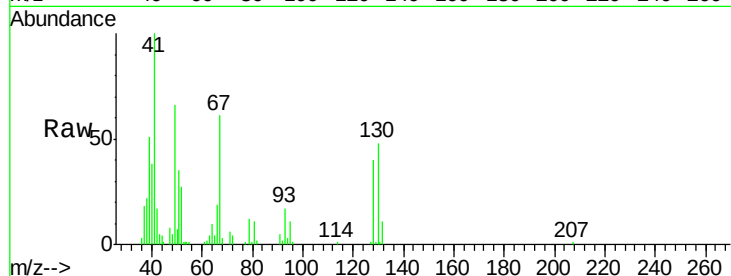




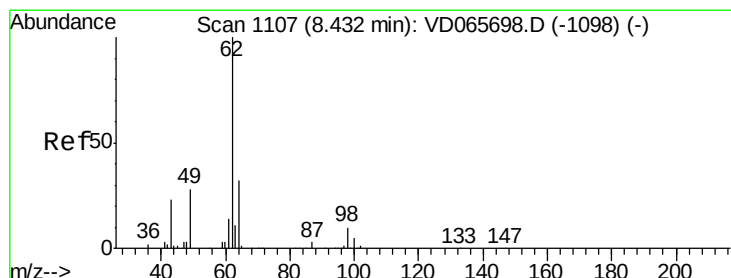
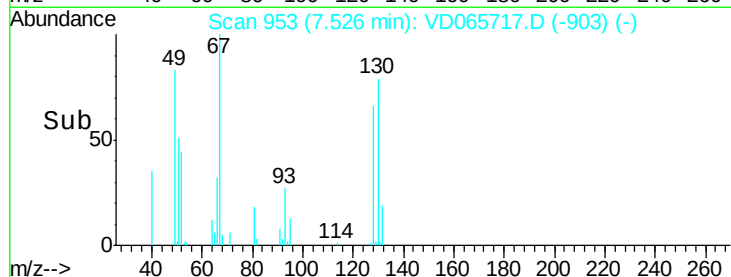
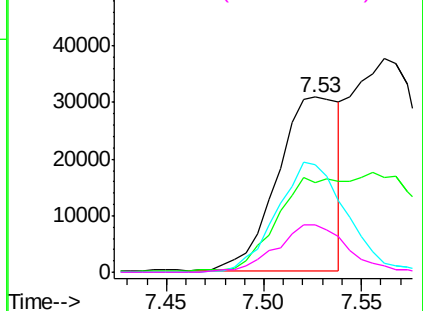
#41
Methacrylonitrile
Concen: 41.270 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

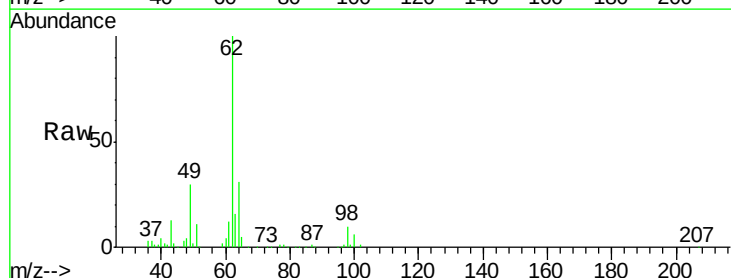


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

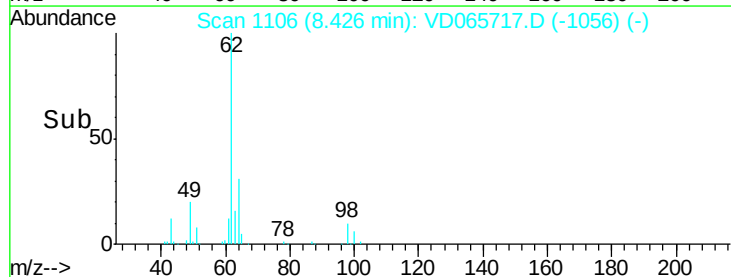
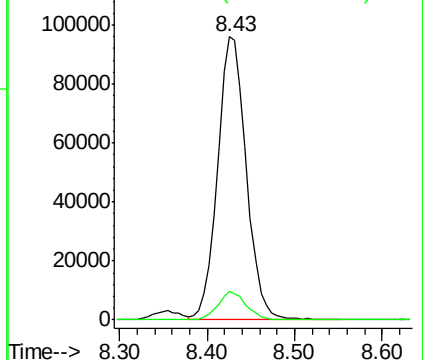


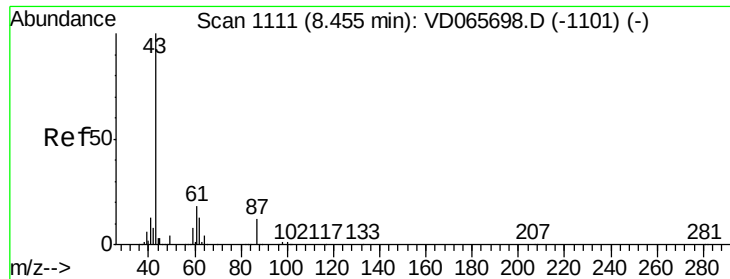
#42
1,2-Dichloroethane
Concen: 46.743 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

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 :

VSTDCCC050

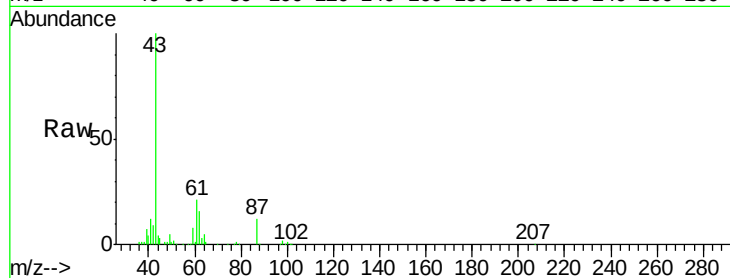
Tot Ion: 43 Resp: 247939

Ion Ratio Lower Upper

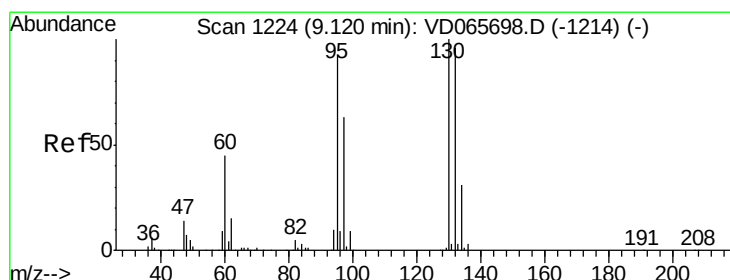
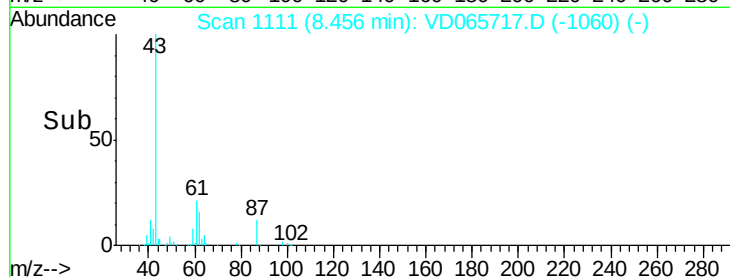
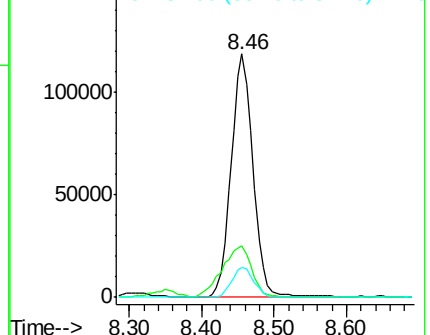
43 100

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

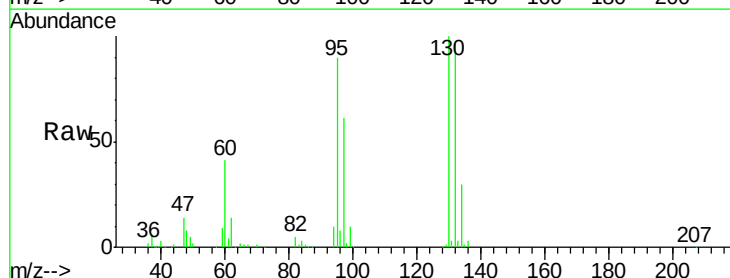
Acq: 08 May 2020 11:14

Tgt Ion:130 Resp: 228624

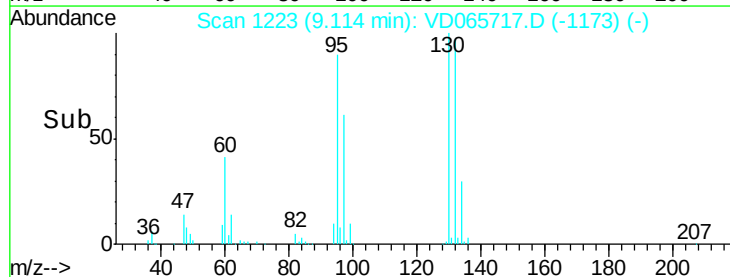
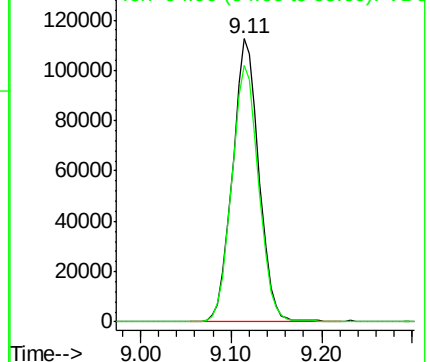
Ion Ratio Lower Upper

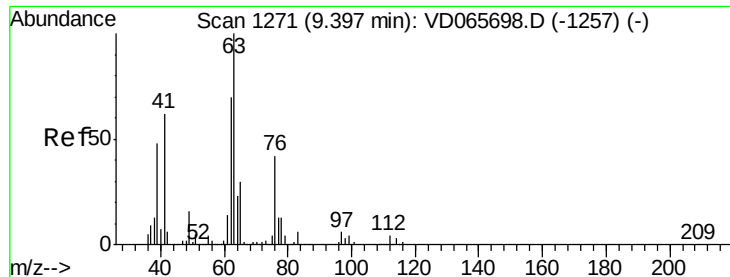
130 100

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

ClientSampleId :

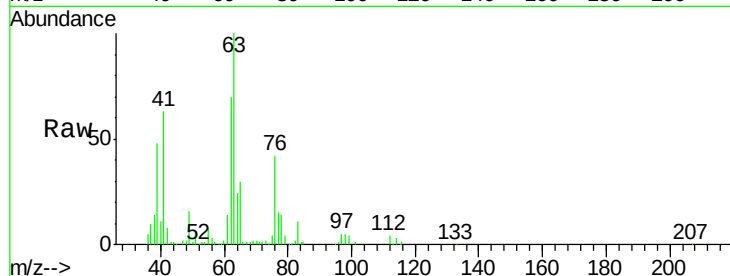
VSTDCCC050

Tot Ion: 63 Resp: 193677

Ion Ratio Lower Upper

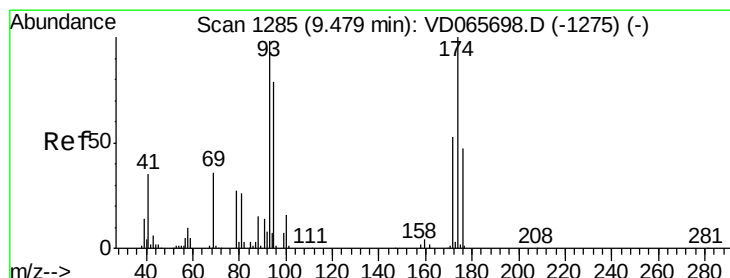
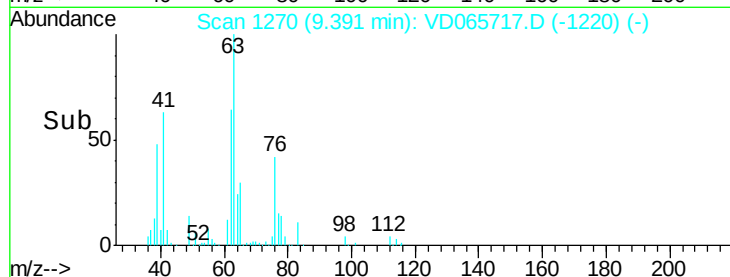
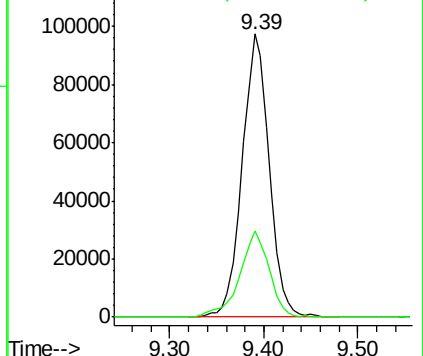
63 100

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

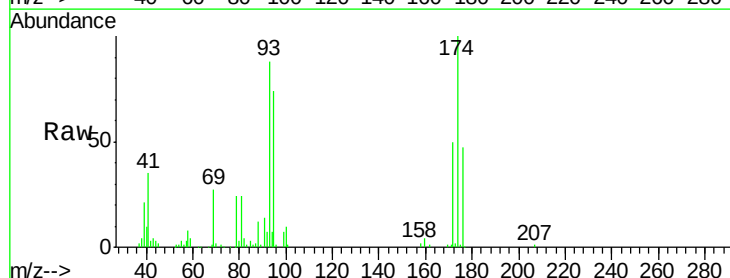
Tgt Ion: 93 Resp: 99850

Ion Ratio Lower Upper

93 100

95 83.0 65.3 97.9

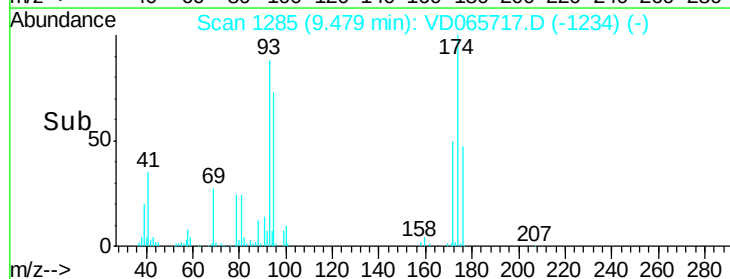
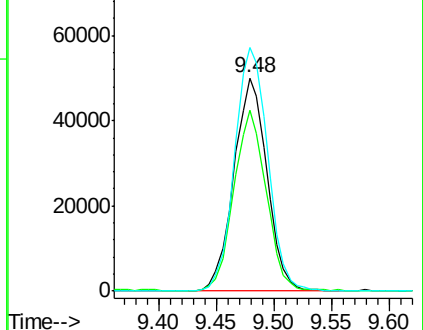
174 114.3 82.7 124.1

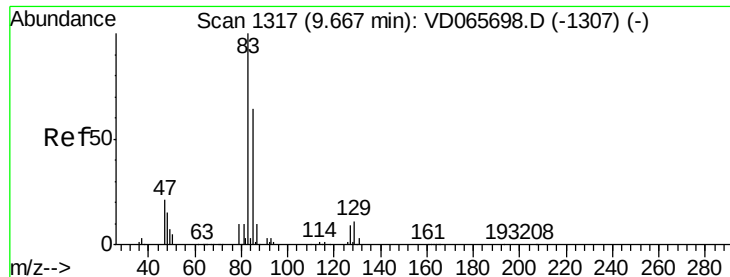


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#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 :

VSTDCCC050

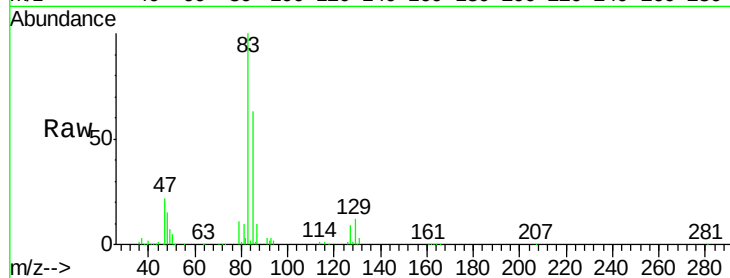
Tot Ion: 83 Resp: 267828

Ion Ratio Lower Upper

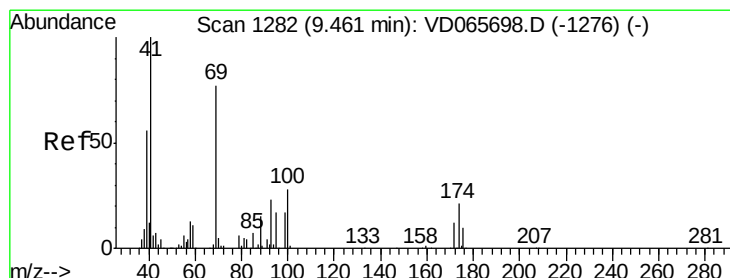
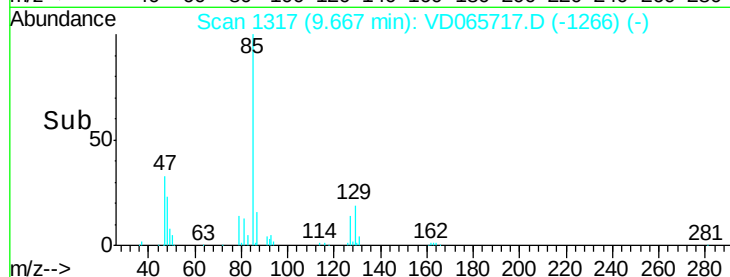
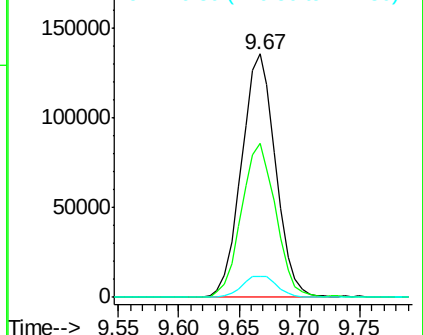
83 100

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

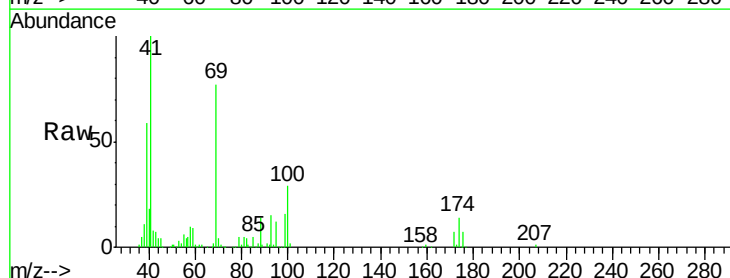
Tgt Ion: 41 Resp: 122529

Ion Ratio Lower Upper

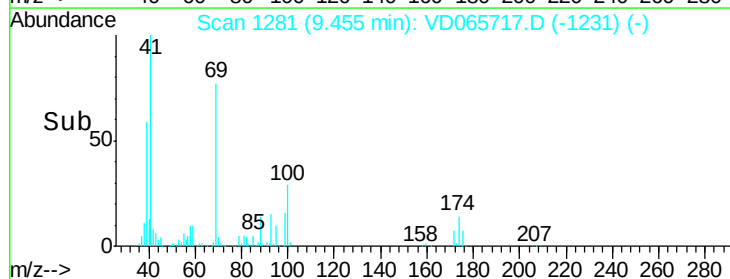
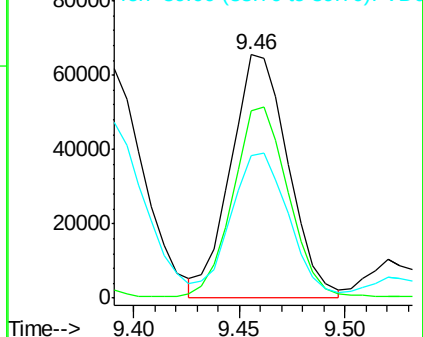
41 100

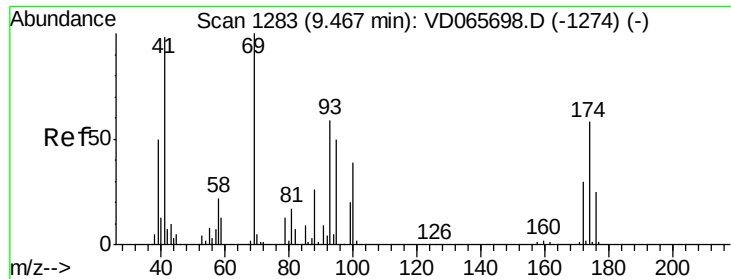
69 76.7 58.2 87.2

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

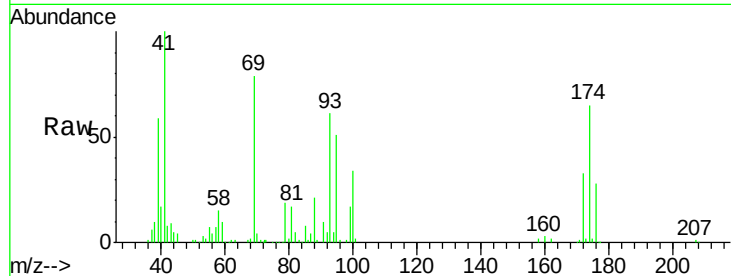




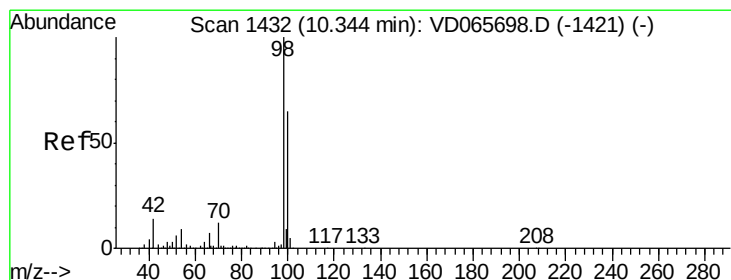
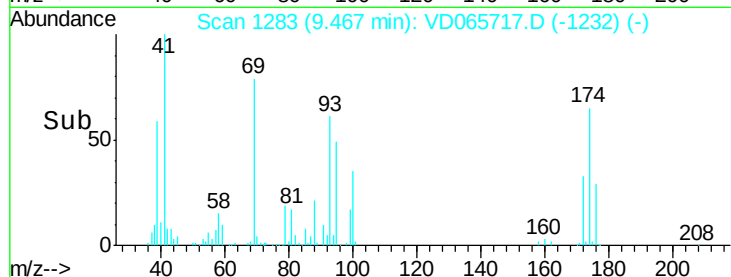
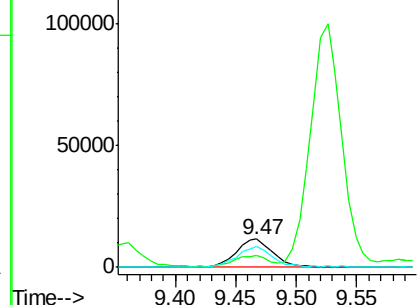
#49
1,4-Dioxane
Concen: 948.950 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

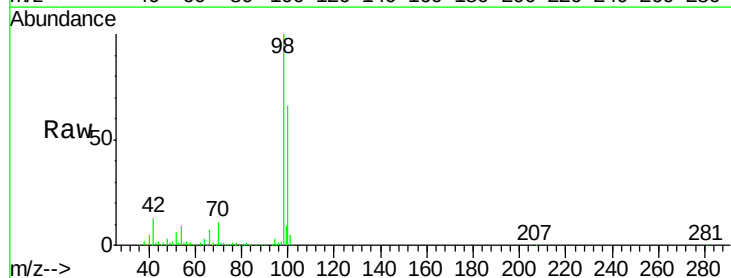


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

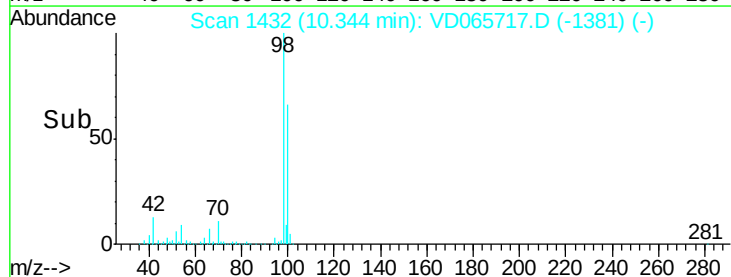
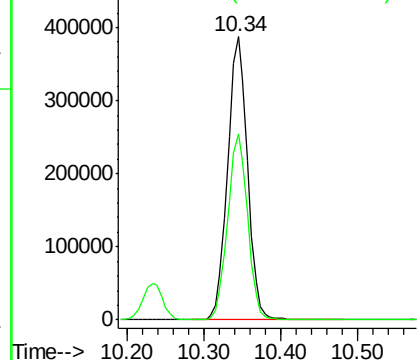


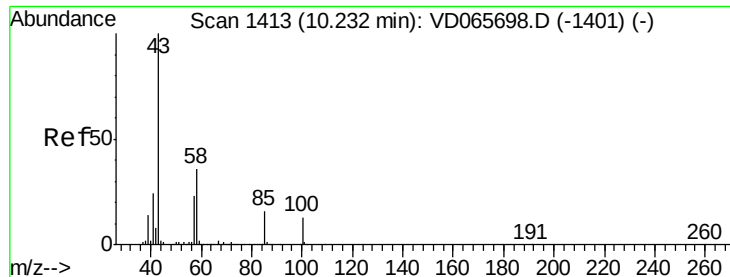
#50
Toluene-d8
Concen: 49.106 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

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

ClientSampleId :

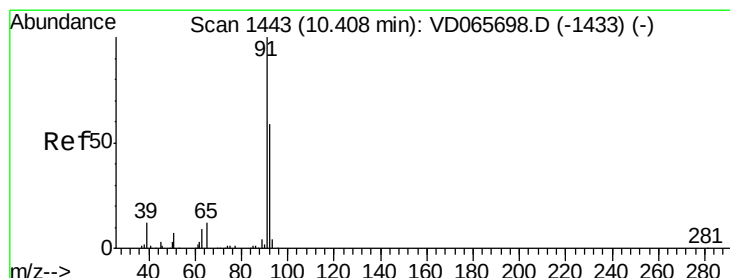
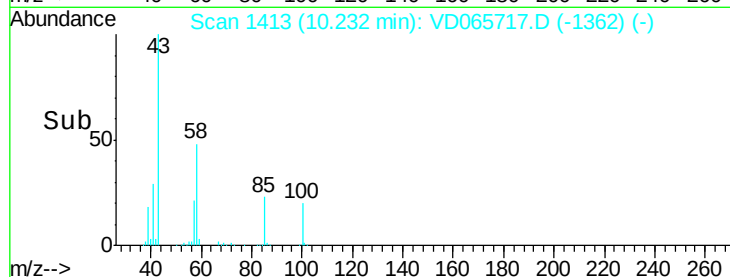
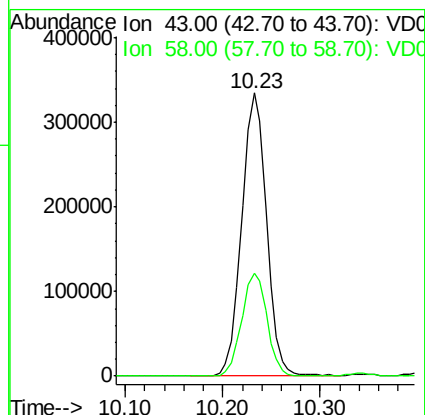
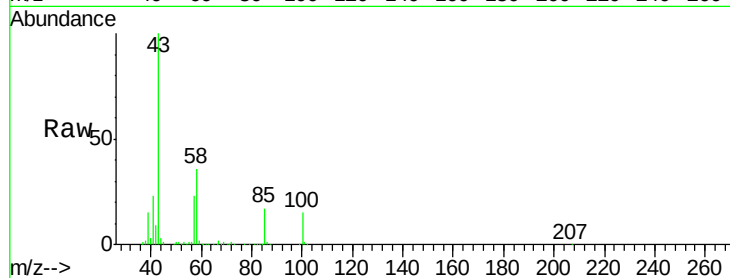
VSTDCCC050

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

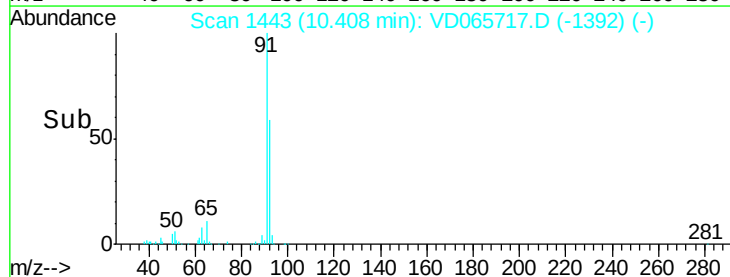
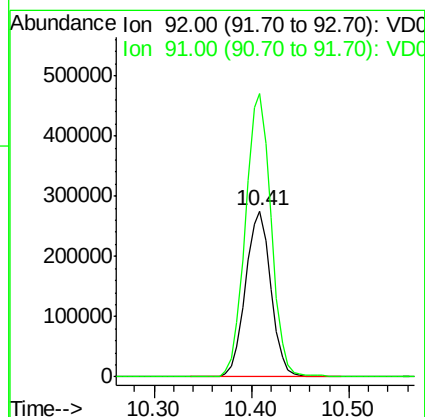
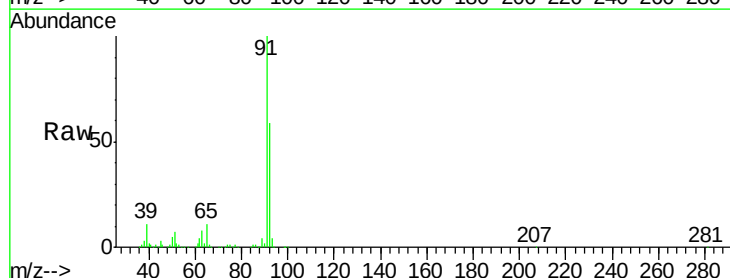
Acq: 08 May 2020 11:14

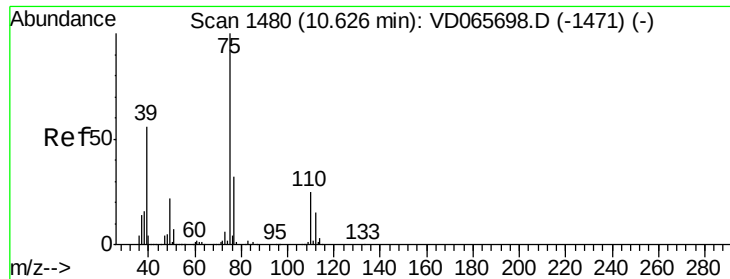
Tgt Ion: 92 Resp: 500326

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 :

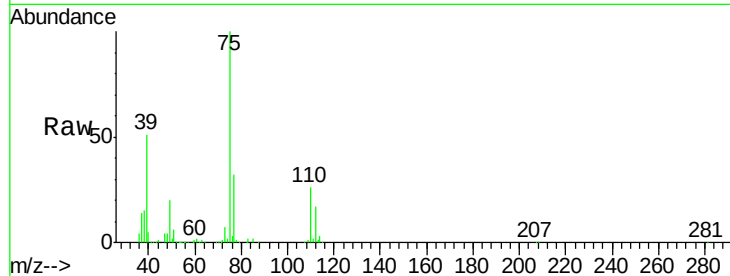
VSTDCCC050

Tot Ion: 75 Resp: 269711

Ion Ratio Lower Upper

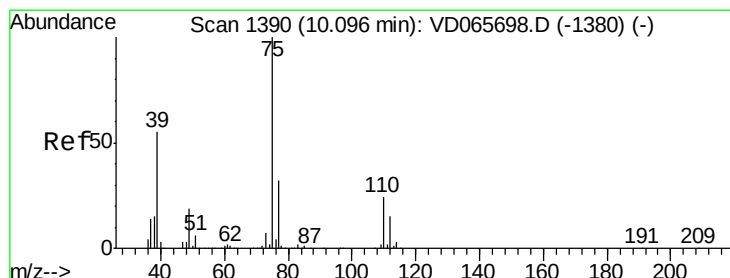
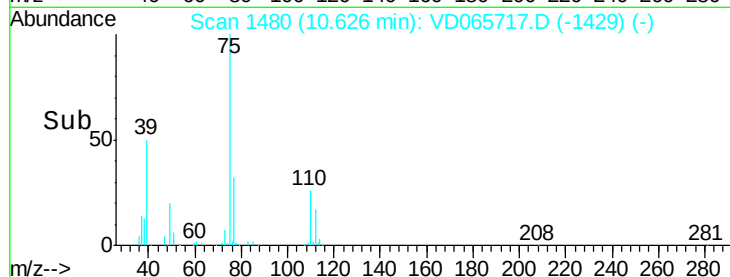
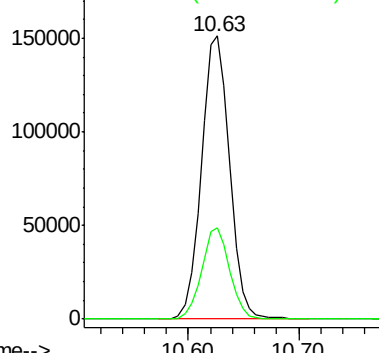
75 100

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

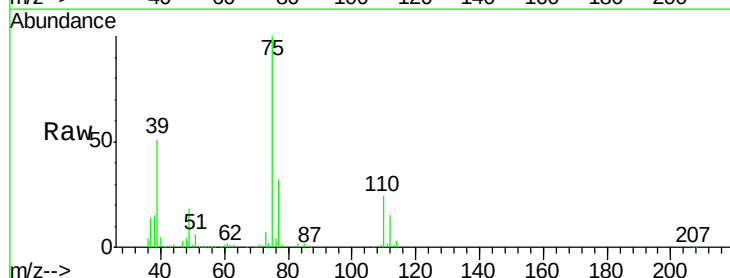
Tgt Ion: 75 Resp: 318334

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

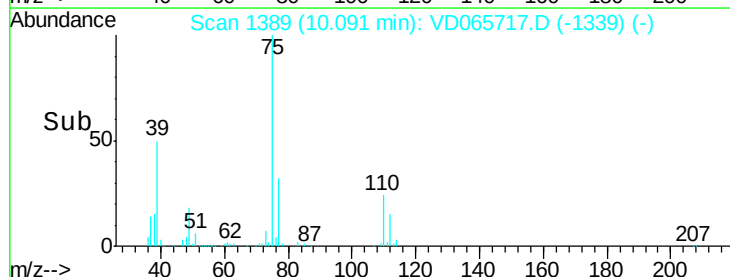
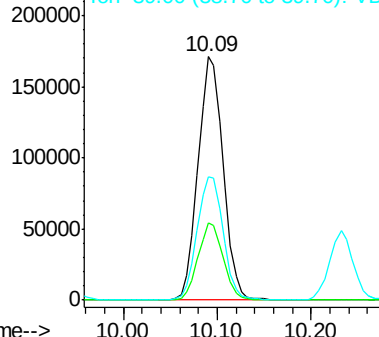
39 50.5 44.4 66.6

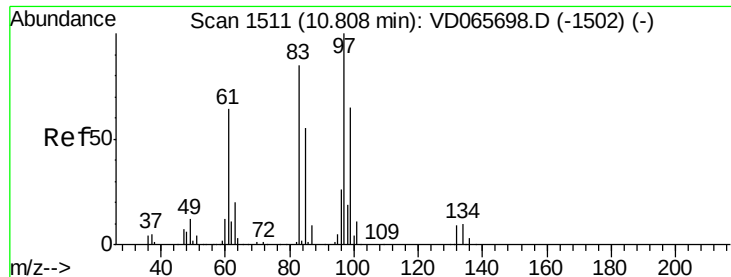


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

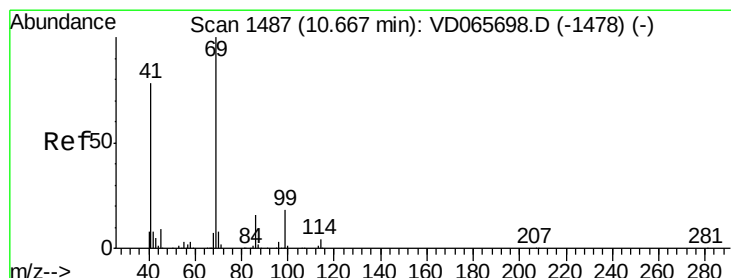
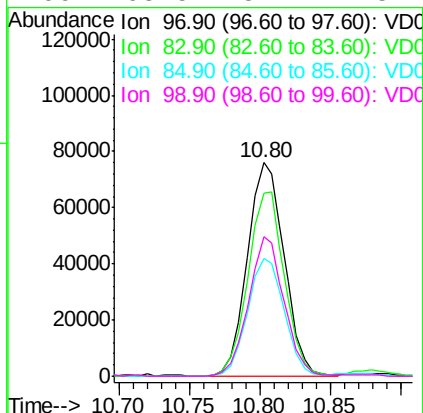
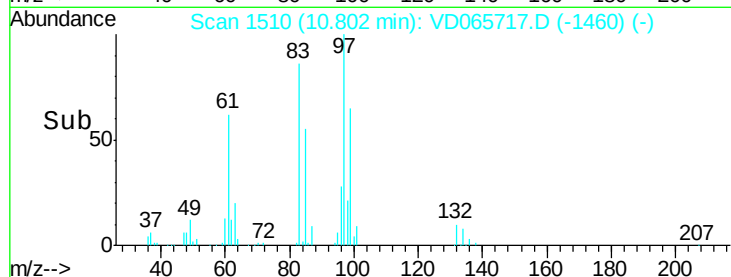
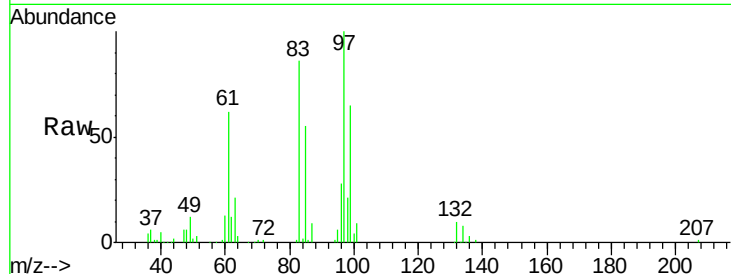




#55
 1,1,2-Trichloroethane
 Concen: 49.342 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

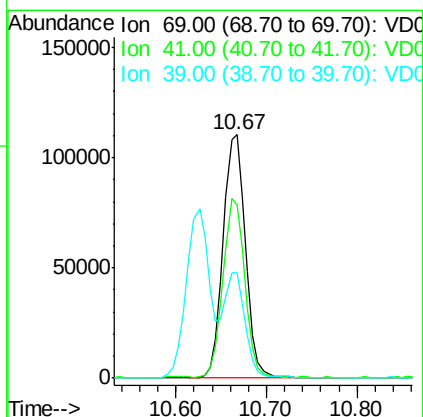
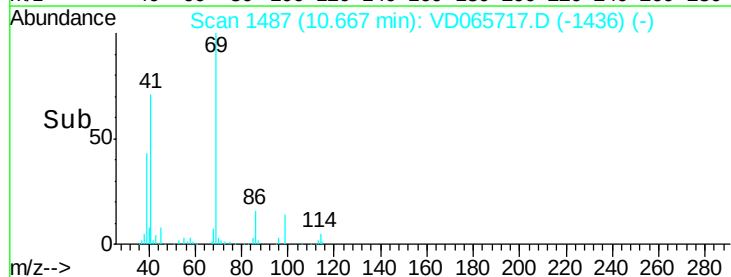
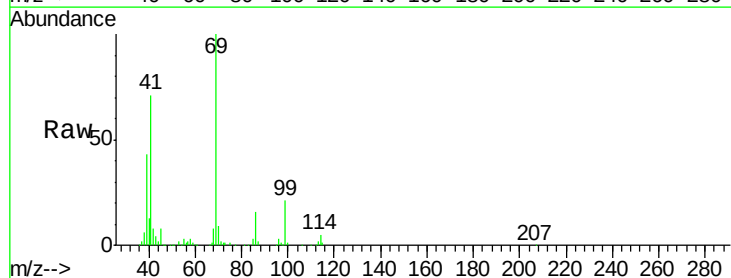
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

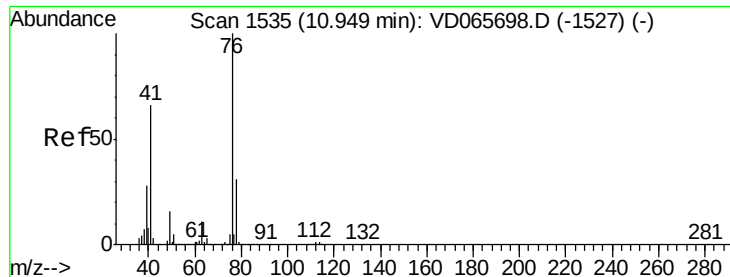
Tot Ion:	97	Resp:	138411
Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.2	102.4
85	55.4	43.6	65.4
99	65.5	52.2	78.4



#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

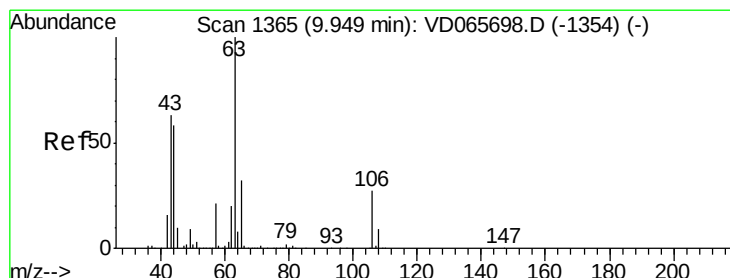
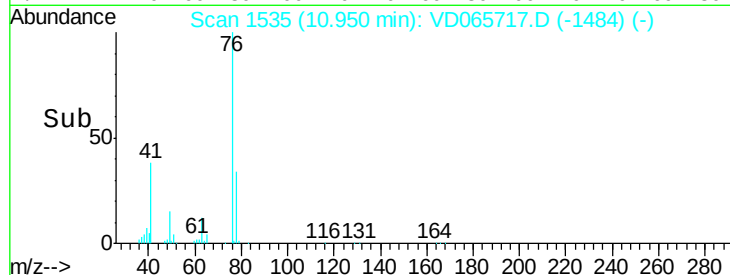
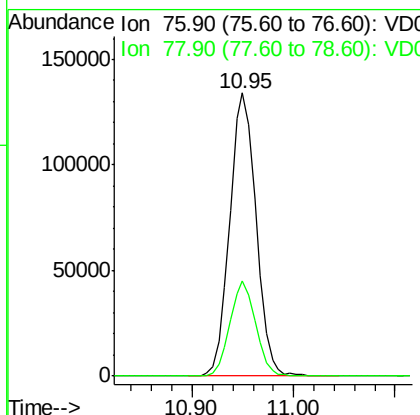
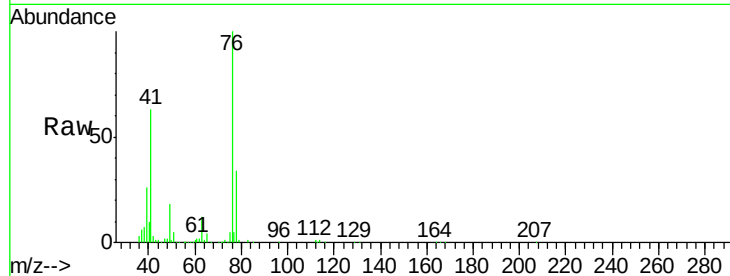




#57
 1,3-Dichloropropane
 Concen: 47.976 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

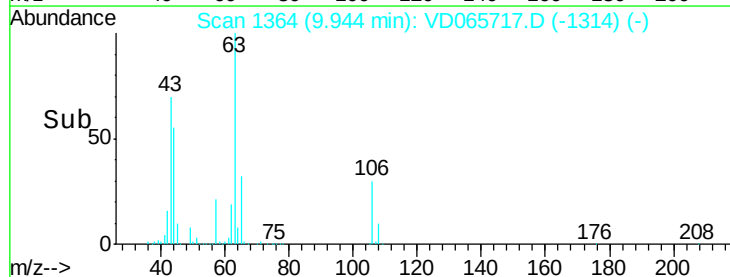
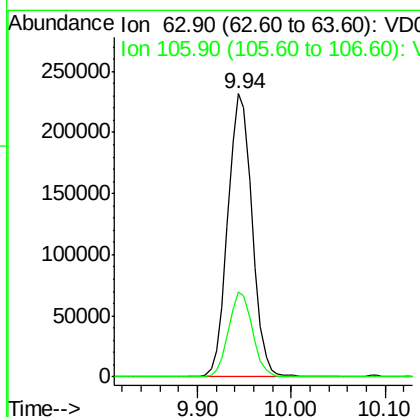
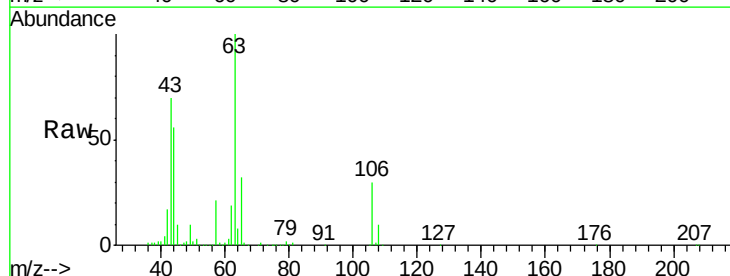
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

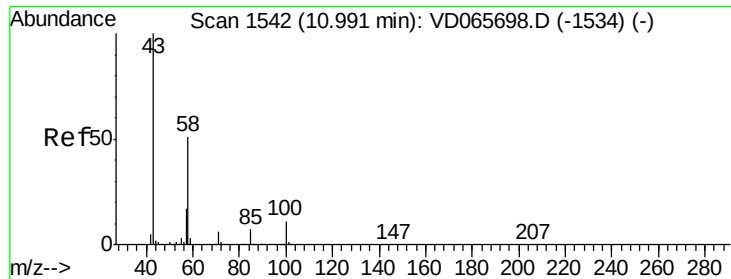
Tot Ion: 76 Resp: 241945
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8



#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

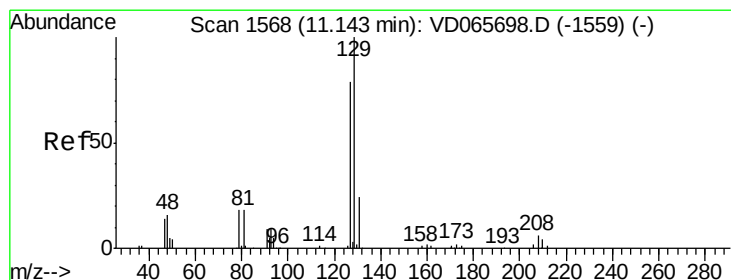
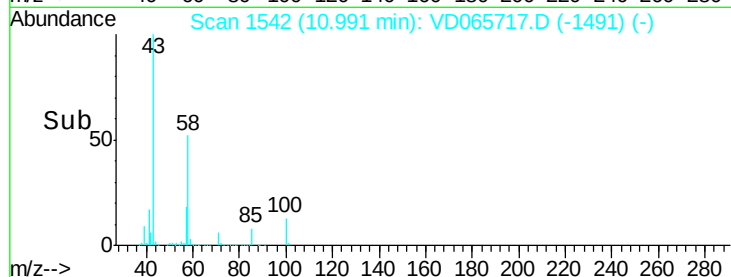
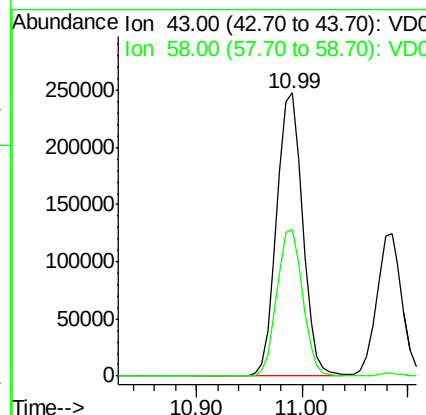
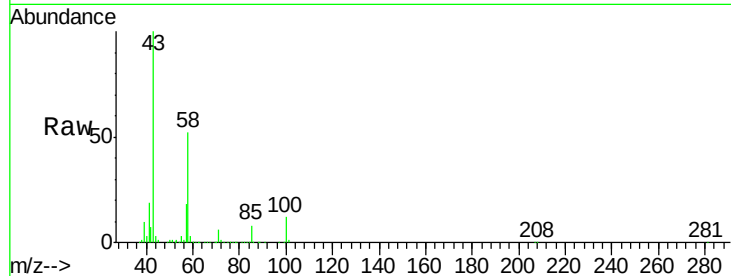




#59
2-Hexanone
Concen: 224.601 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

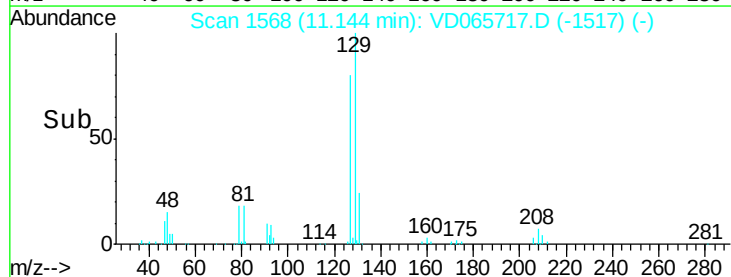
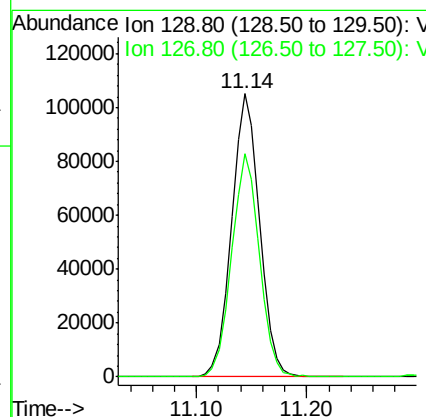
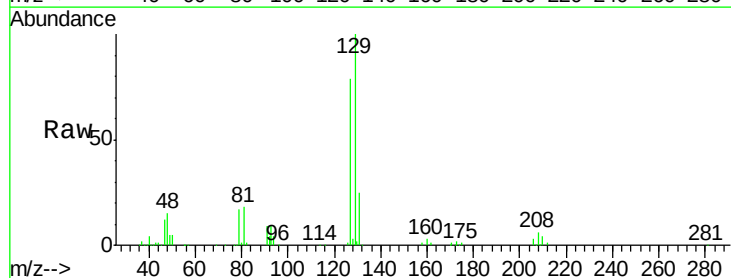
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

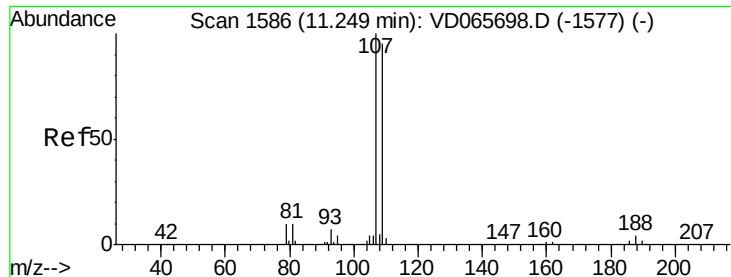
Tot Ion: 43 Resp: 421052
Ion Ratio Lower Upper
43 100
58 51.3 25.4 76.0



#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

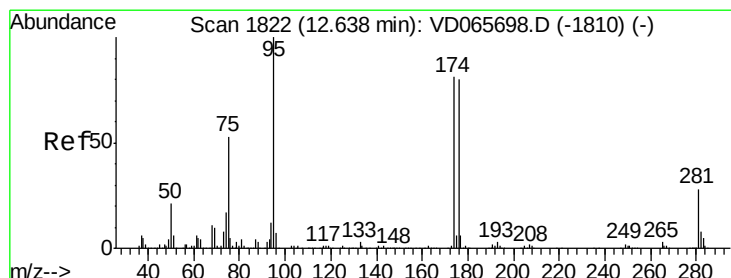
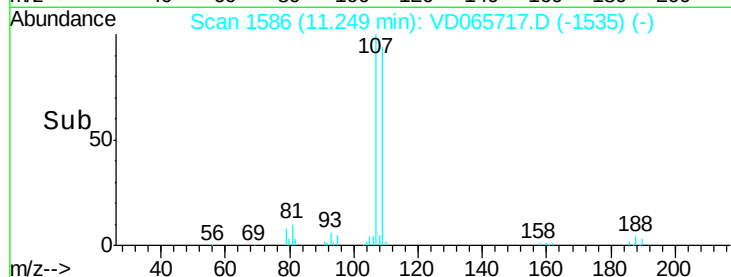
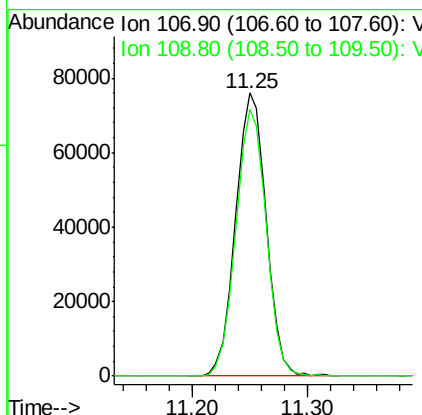
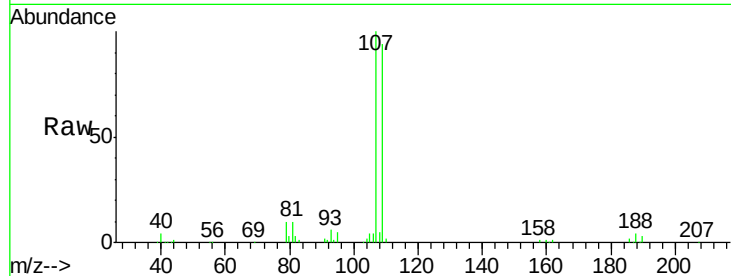




#61
 1,2-Dibromoethane
 Concen: 49.330 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

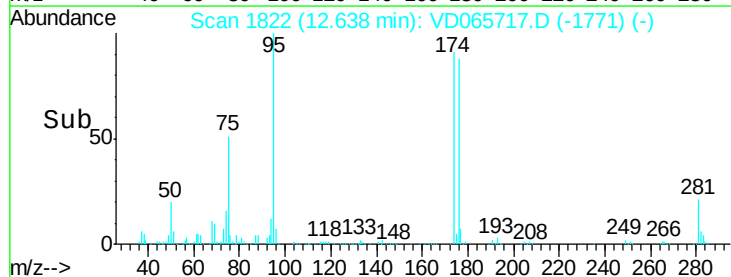
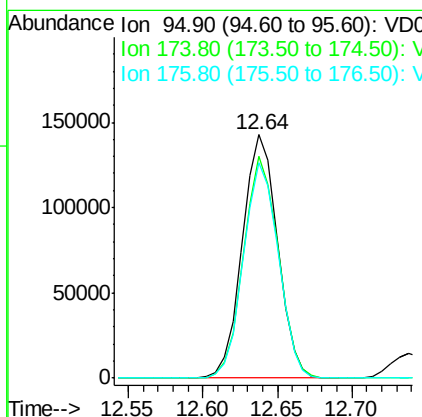
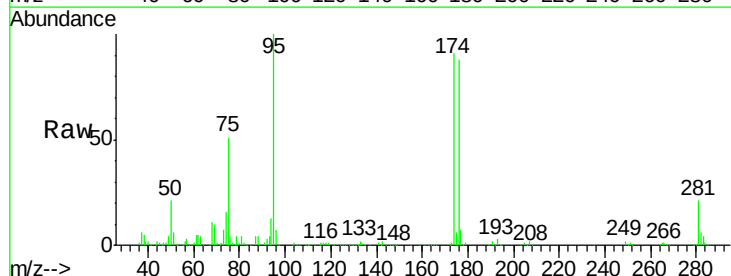
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

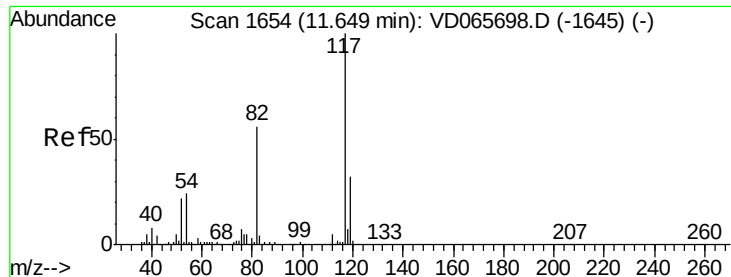
Tot Ion:107 Resp: 139230
 Ion Ratio Lower Upper
 107 100
 109 93.8 74.9 112.3



#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

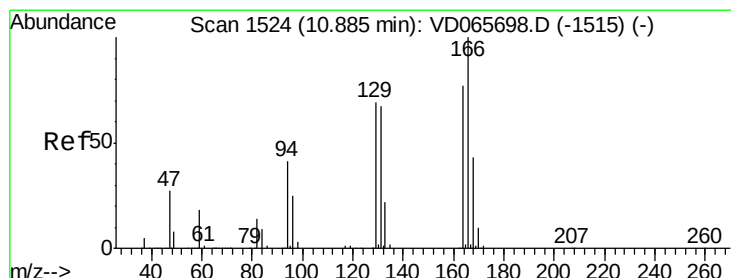
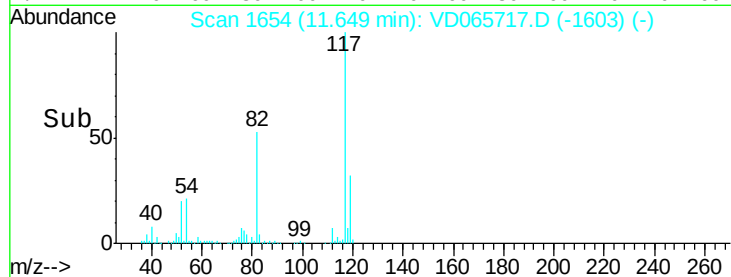
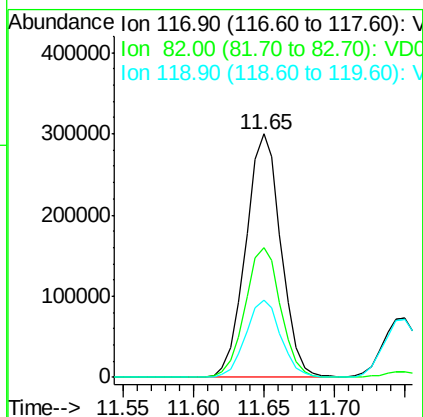
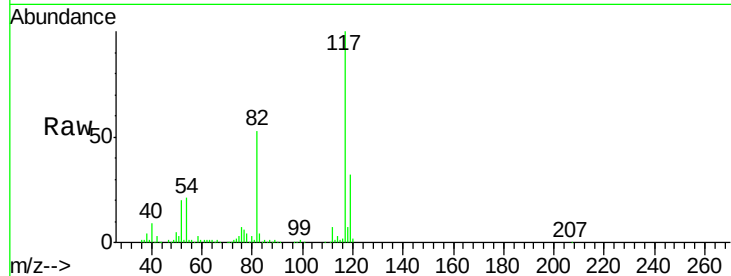




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

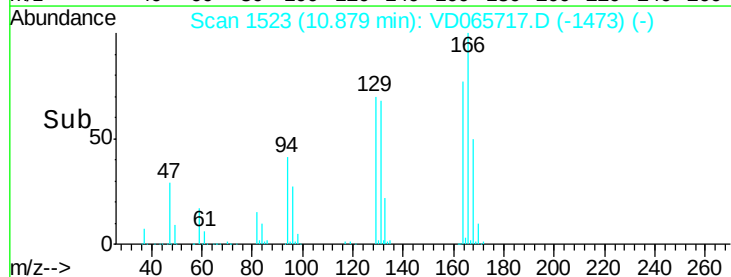
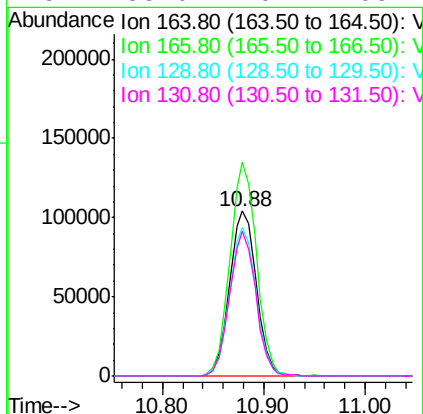
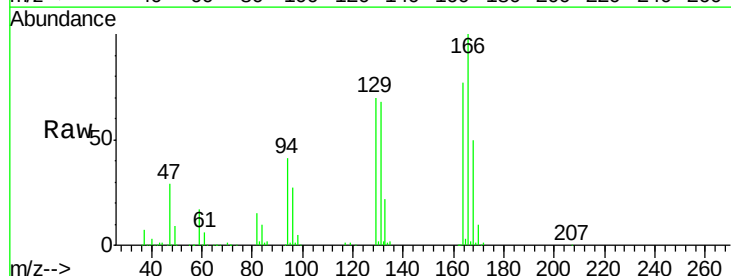
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

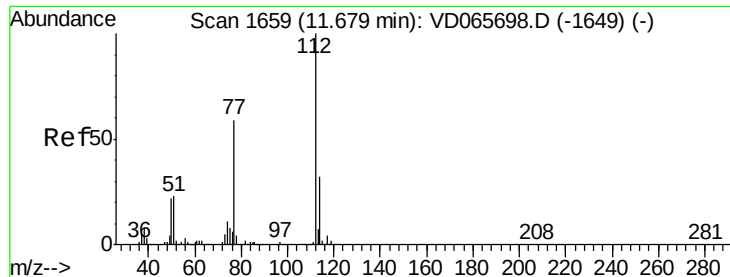
Tot Ion:117 Resp: 524958
Ion Ratio Lower Upper
117 100
82 53.5 44.9 67.3
119 31.9 25.4 38.2



#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 :

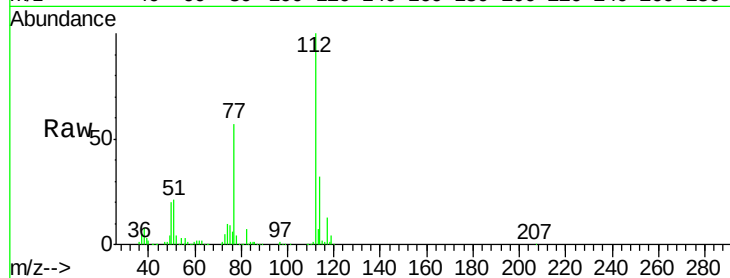
VSTDCCC050

Tot Ion:112 Resp: 526854

Ion Ratio Lower Upper

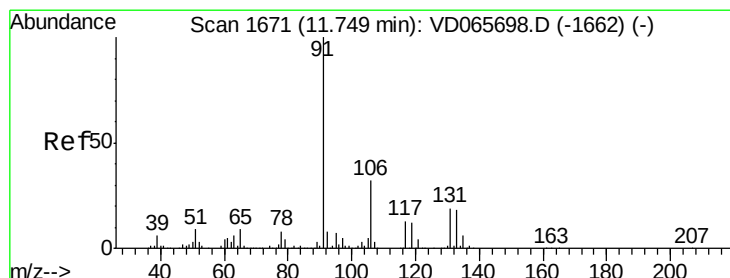
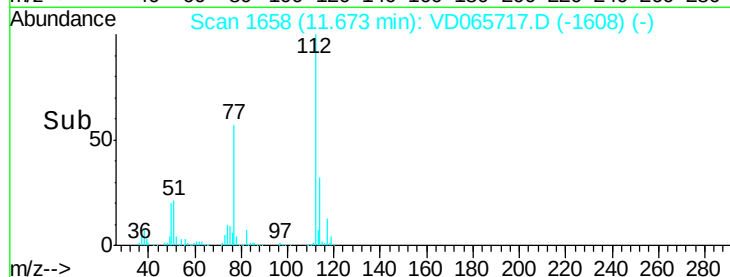
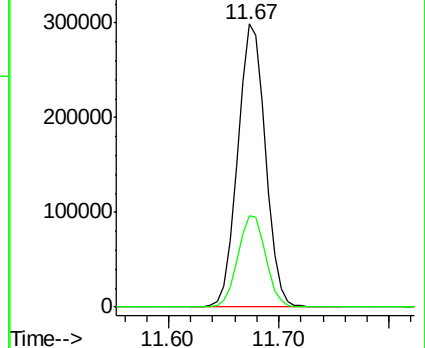
112 100

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



#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

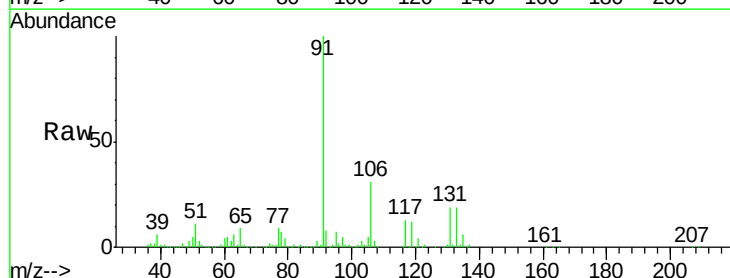
Tgt Ion:131 Resp: 201395

Ion Ratio Lower Upper

131 100

133 95.6 47.3 141.8

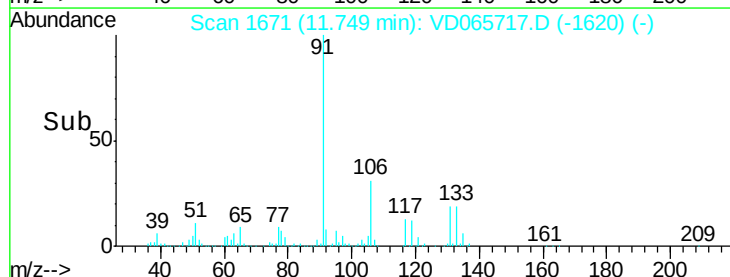
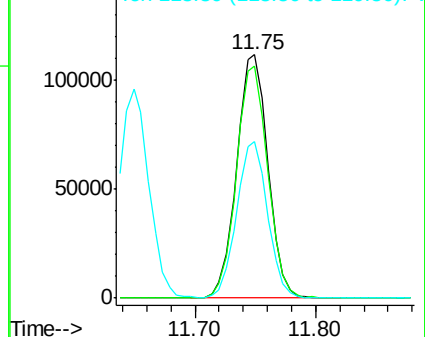
119 63.6 31.8 95.4

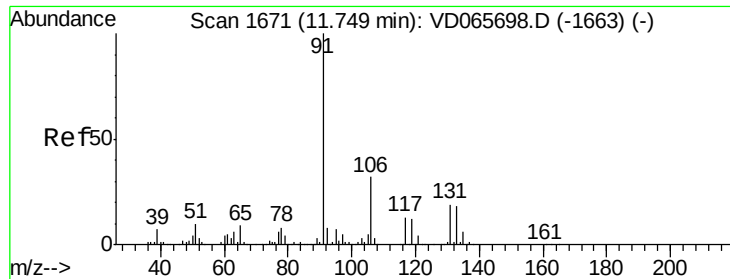


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

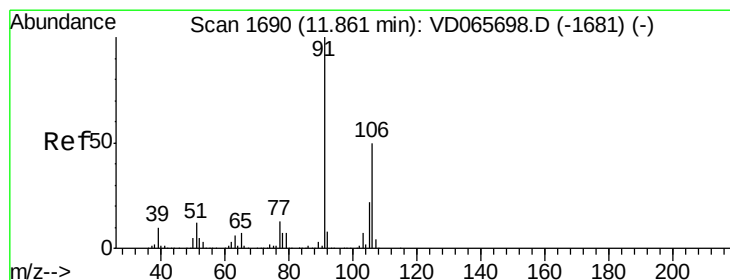
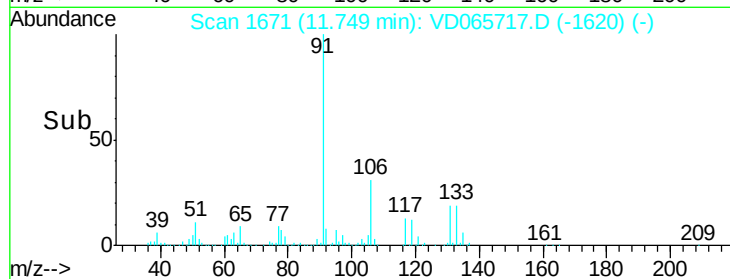
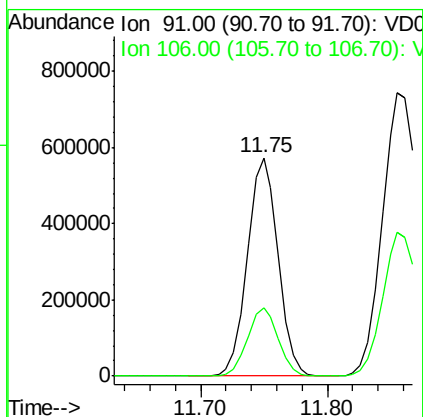
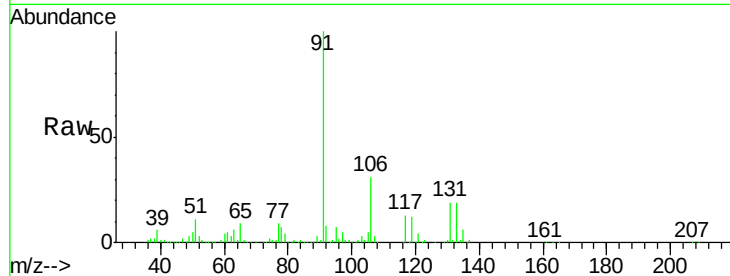




#67
Ethyl Benzene
Concen: 48.844 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

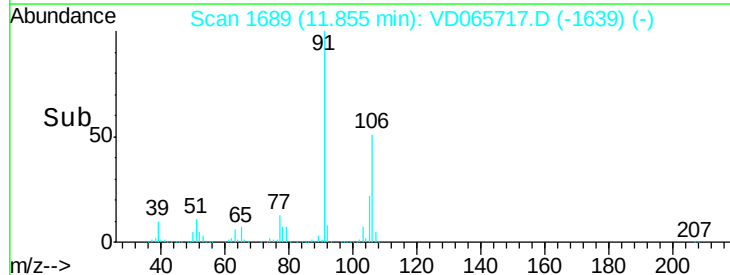
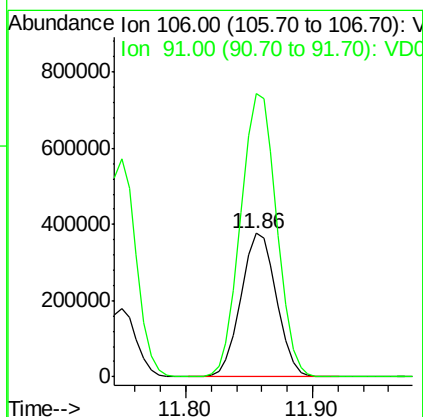
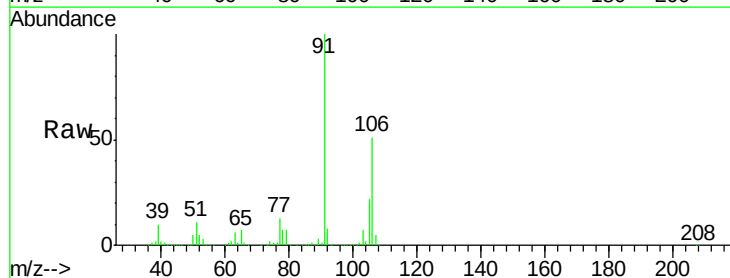
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

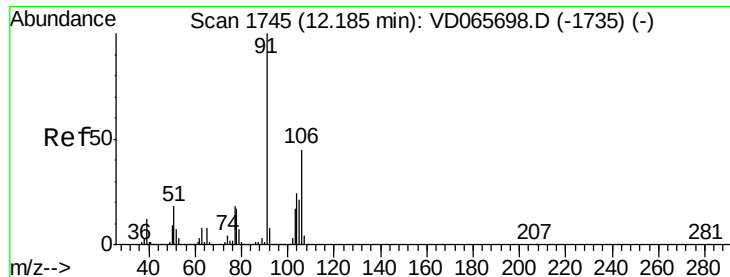
Tot Ion: 91 Resp: 963752
Ion Ratio Lower Upper
91 100
106 31.3 25.2 37.8



#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

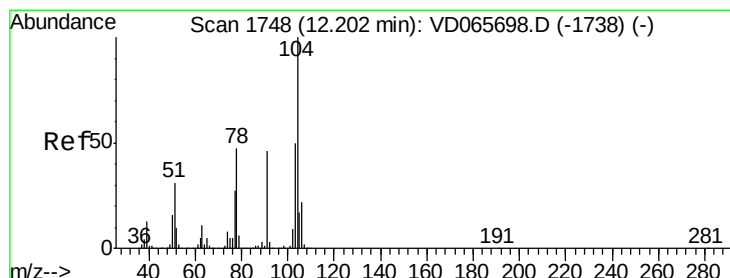
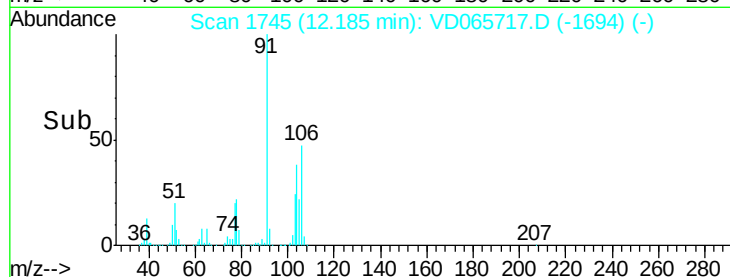
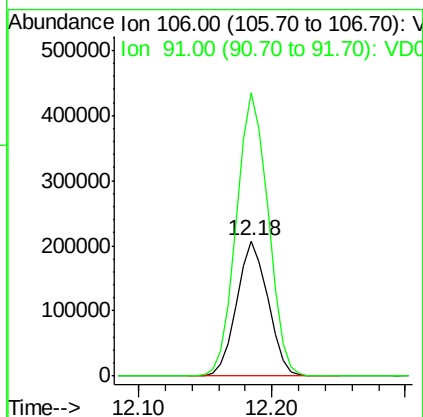
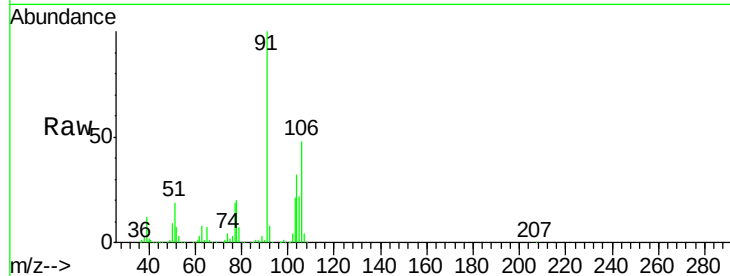




#69
o-Xylene
Concen: 49.091 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

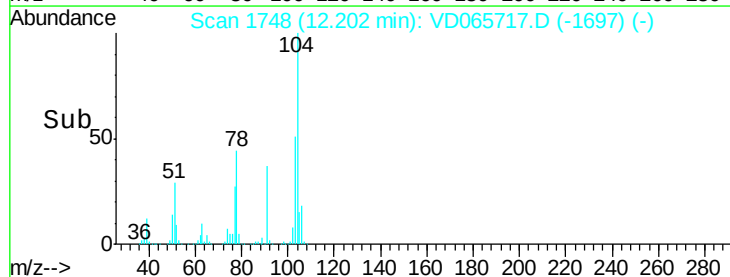
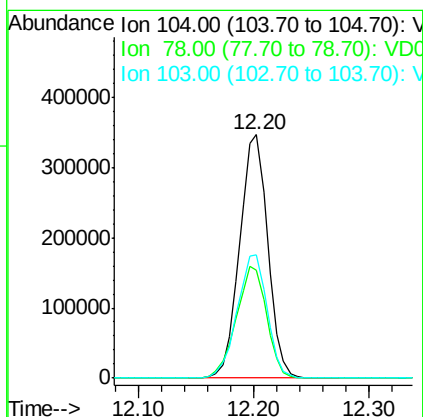
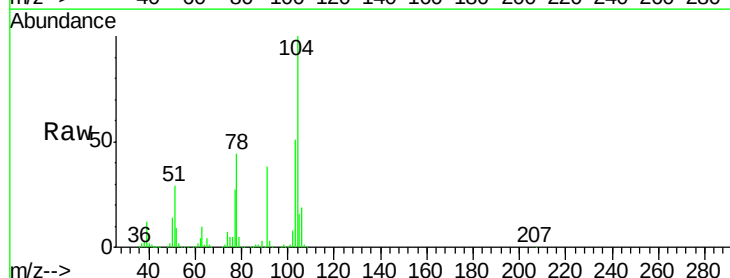
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

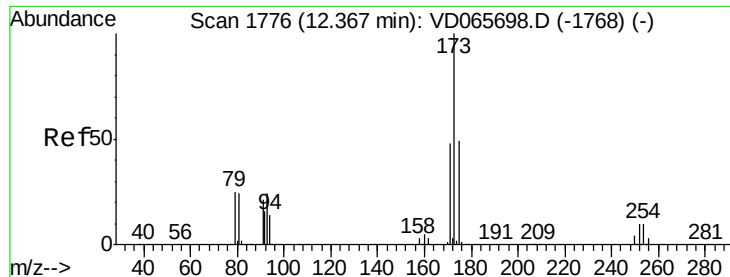
Tot Ion:106 Resp: 336952
Ion Ratio Lower Upper
106 100
91 212.9 107.9 323.7



#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





#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 :

VSTDCCC050

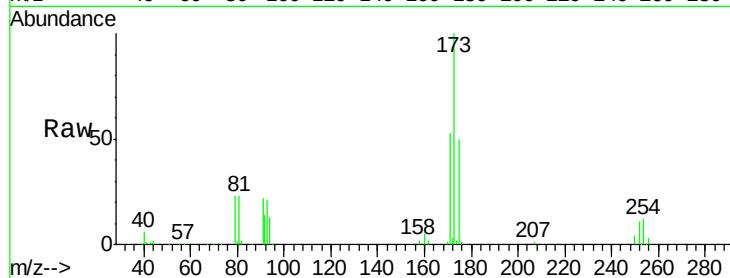
Tot Ion:173 Resp: 112039

Ion Ratio Lower Upper

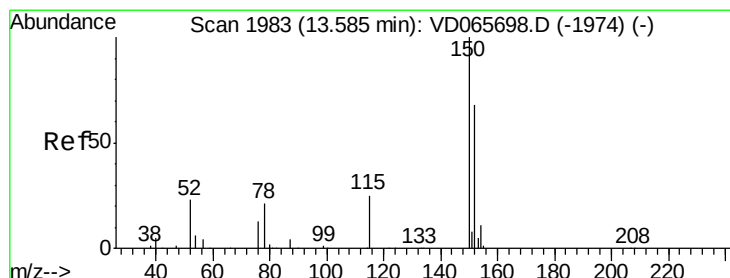
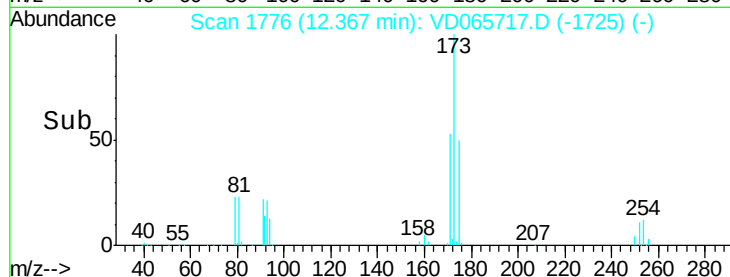
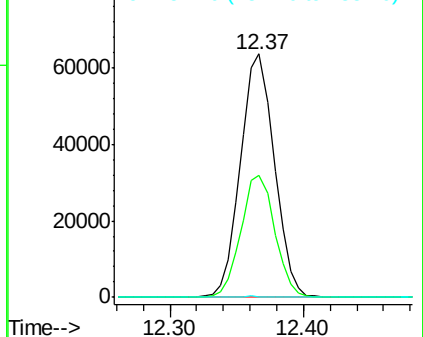
173 100

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

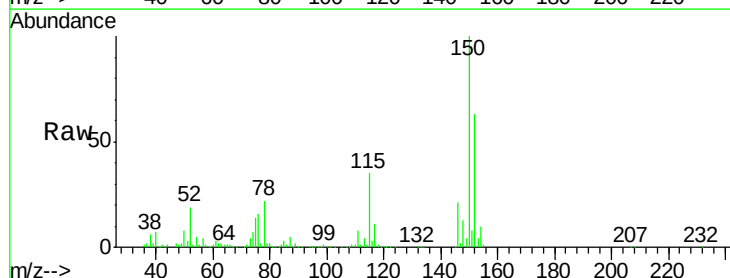
Tgt Ion:152 Resp: 254363

Ion Ratio Lower Upper

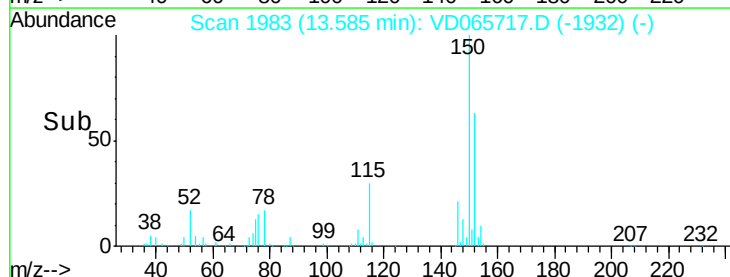
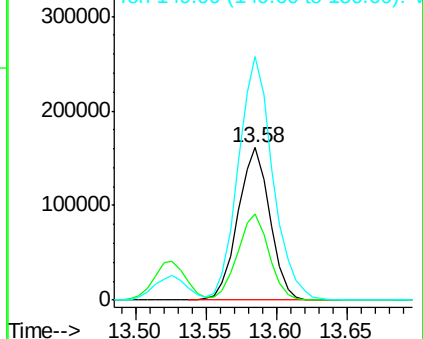
152 100

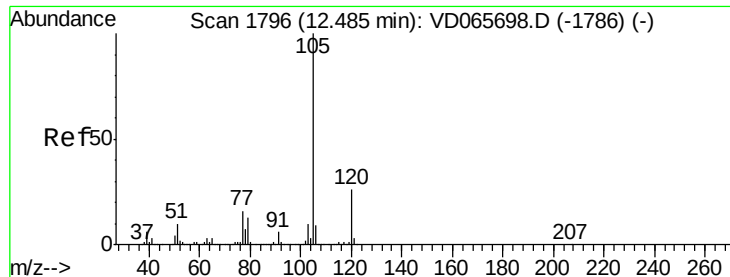
115 55.5 29.5 88.5

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 :

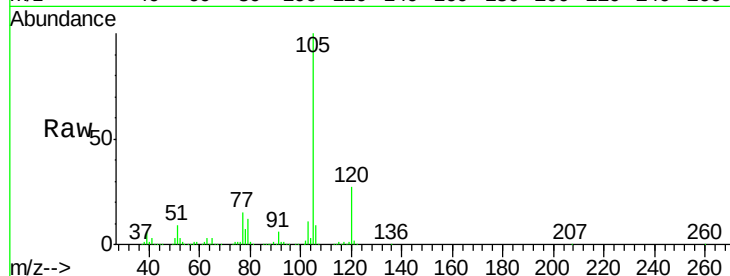
VSTDCCC050

Tot Ion:105 Resp: 934896

Ion Ratio Lower Upper

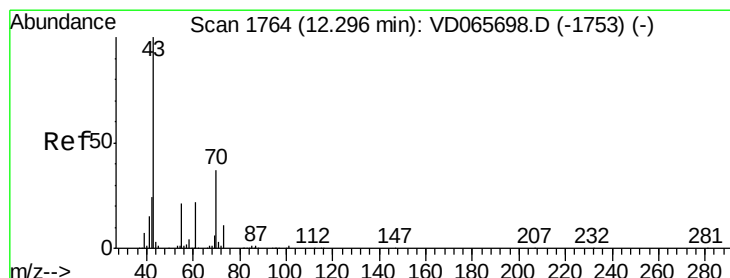
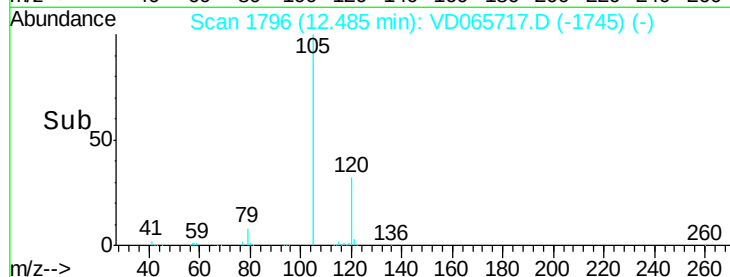
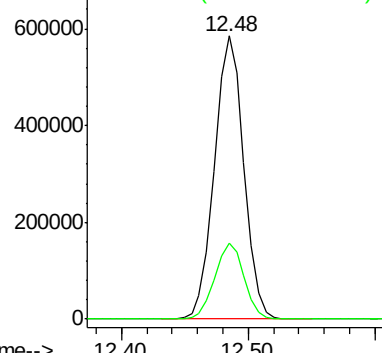
105 100

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



#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

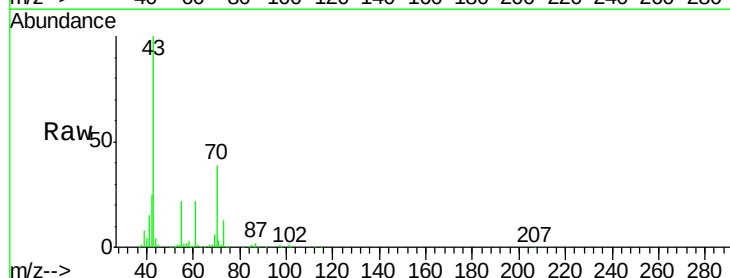
Ion Ratio Lower Upper

43 100

70 39.0 29.3 43.9

55 22.2 16.4 24.6

61 22.7 18.0 27.0

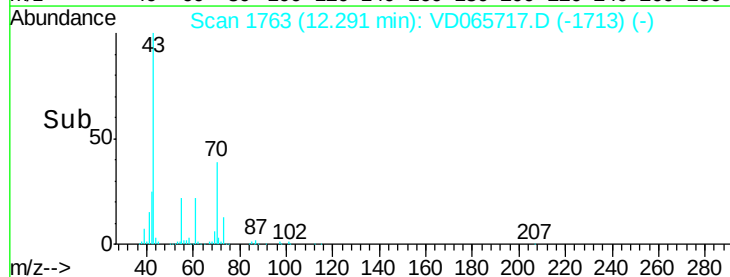
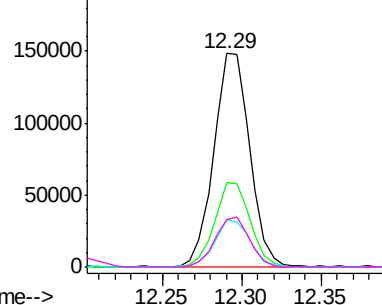


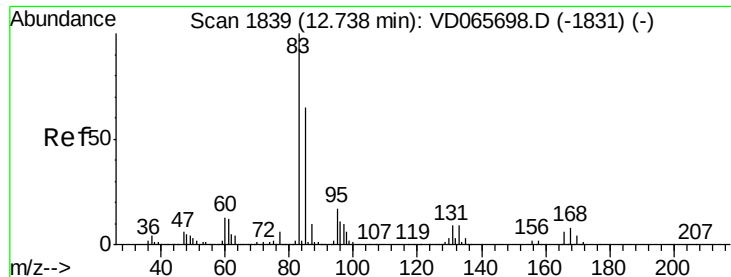
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#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 :

VSTDCCC050

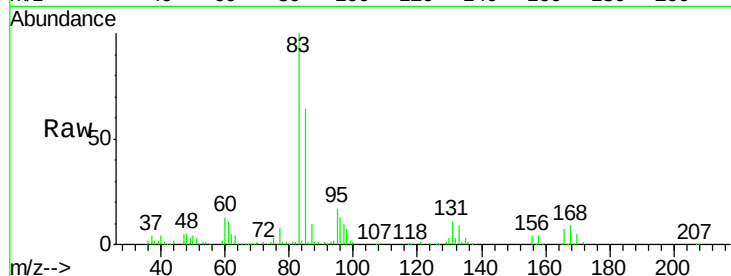
Tot Ion: 83 Resp: 149314

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.7

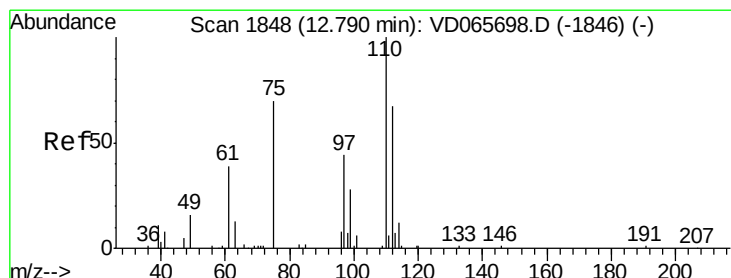
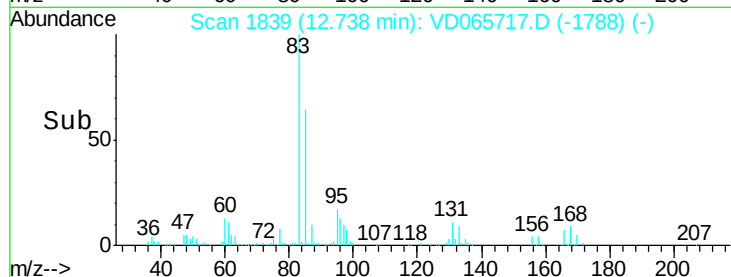
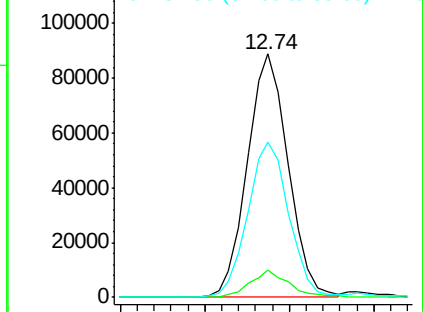
85 64.1 31.9 95.9



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: 53.662 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065717.D

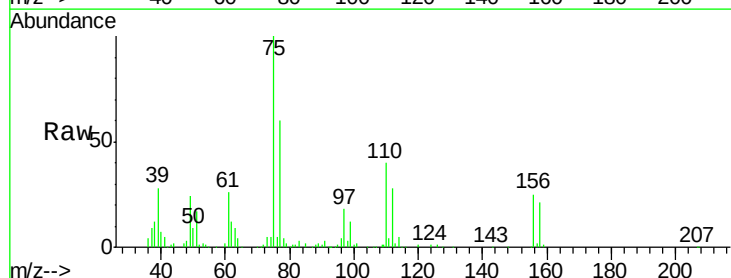
Acq: 08 May 2020 11:14

Tgt Ion: 75 Resp: 115284

Ion Ratio Lower Upper

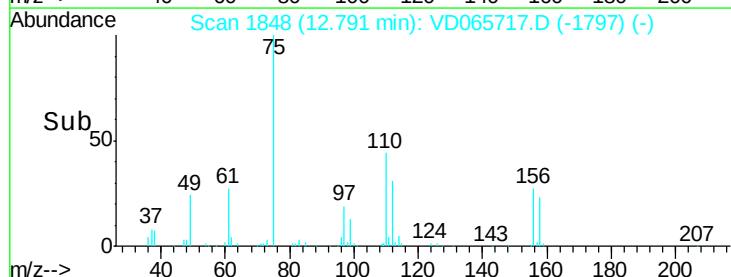
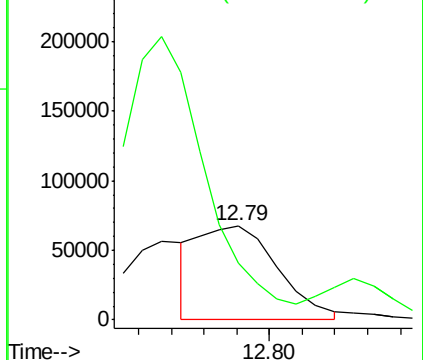
75 100

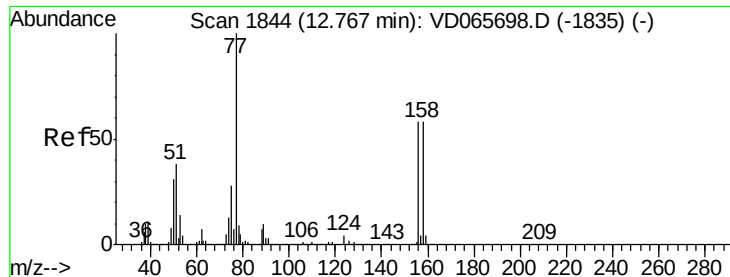
77 0.0 0.0 0.0



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

ClientSampleId :

VSTDCCC050

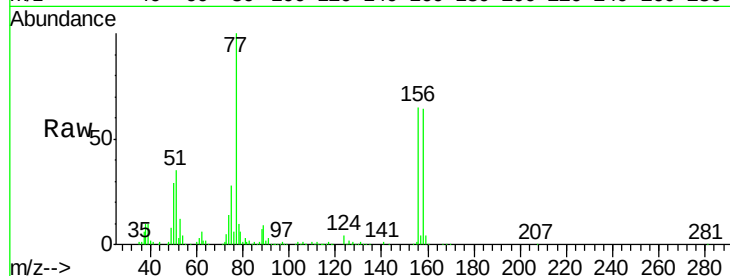
Tot Ion:156 Resp: 223040

Ion Ratio Lower Upper

156 100

77 170.0 92.9 278.7

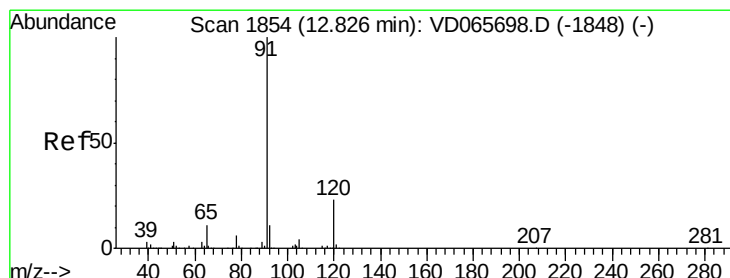
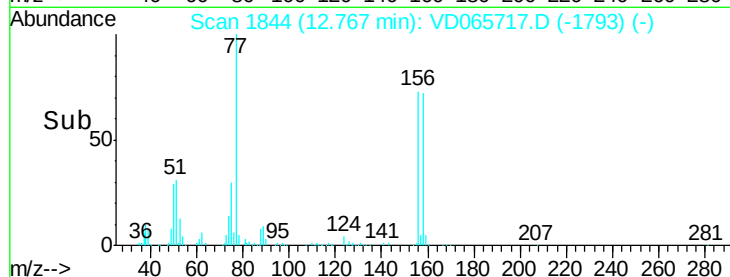
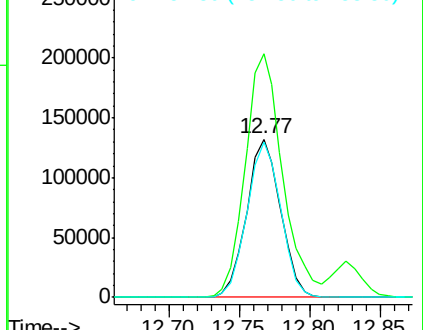
158 98.1 48.9 146.7



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

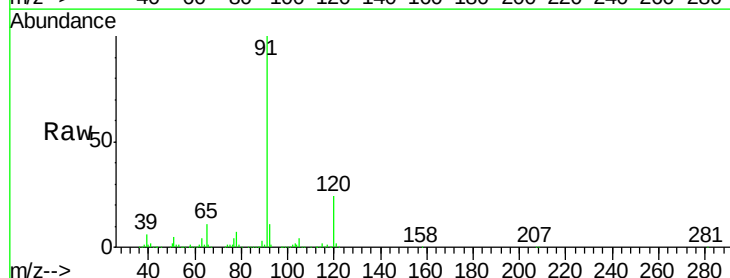
Acq: 08 May 2020 11:14

Tgt Ion: 91 Resp: 1083671

Ion Ratio Lower Upper

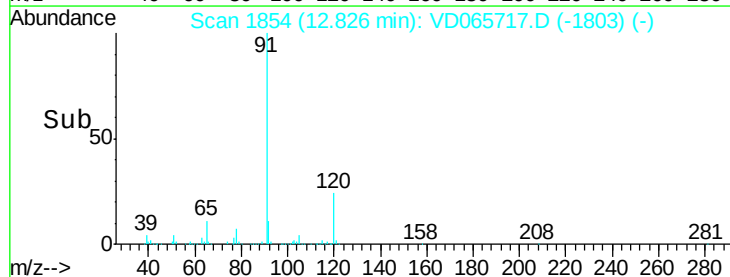
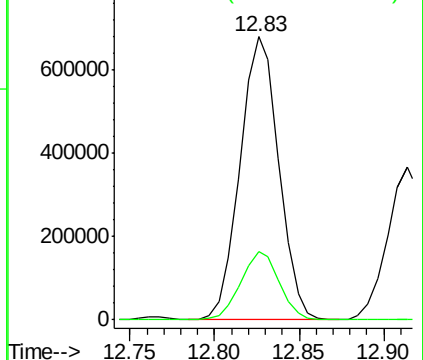
91 100

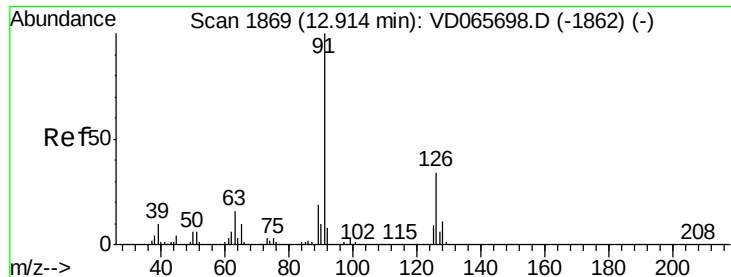
120 24.0 11.5 34.5



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 :

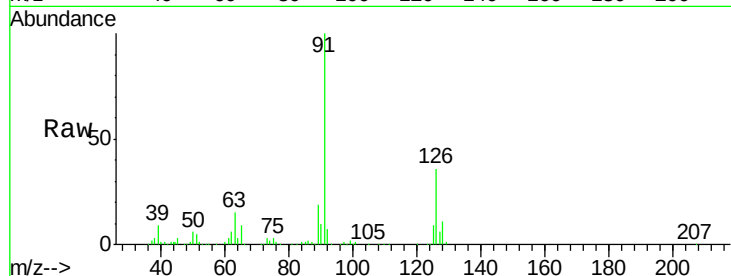
VSTDCCC050

Tot Ion: 91 Resp: 597832

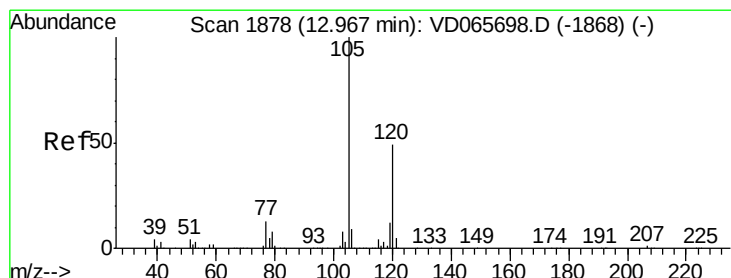
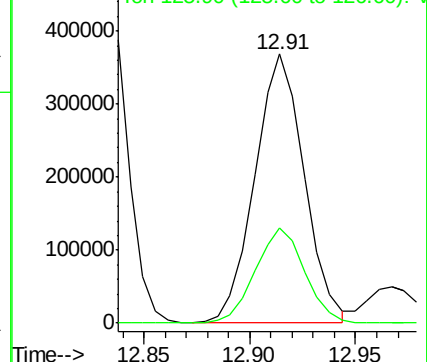
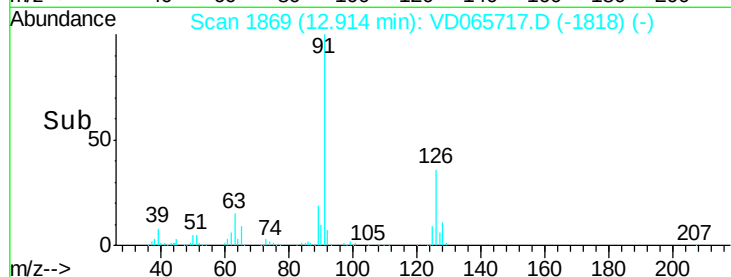
Ion Ratio Lower Upper

91 100

126 35.6 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VD065717.D (-1818) (-)



#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

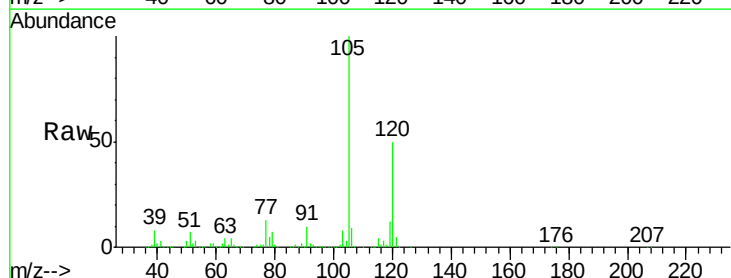
Acq: 08 May 2020 11:14

Tgt Ion: 105 Resp: 763910

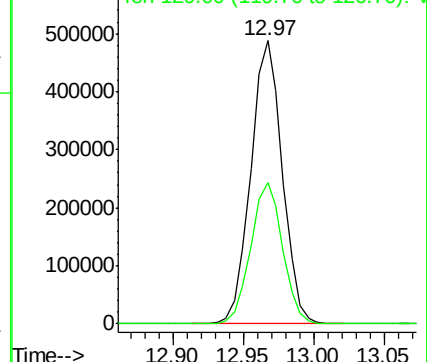
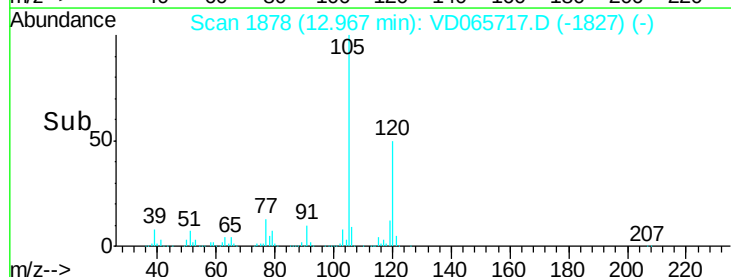
Ion Ratio Lower Upper

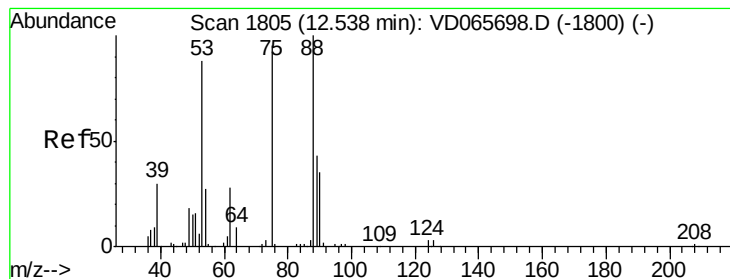
105 100

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 :

VSTDCCC050

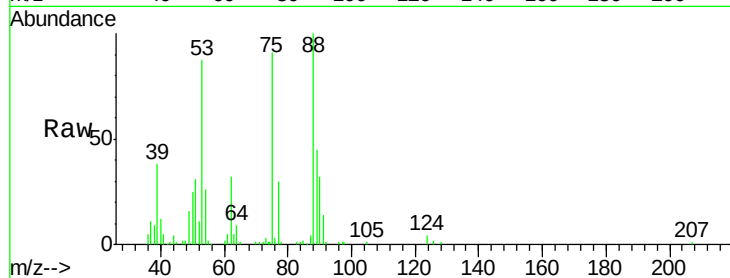
Tot Ion: 75 Resp: 54670

Ion Ratio Lower Upper

75 100

53 91.4 75.8 113.8

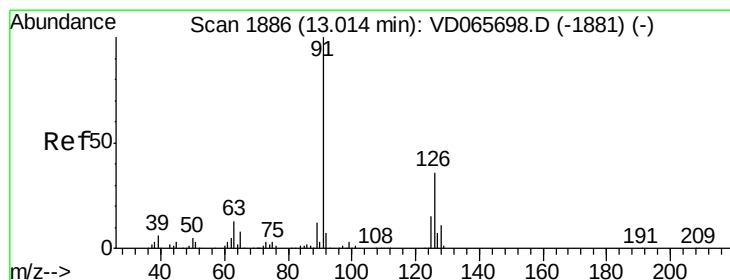
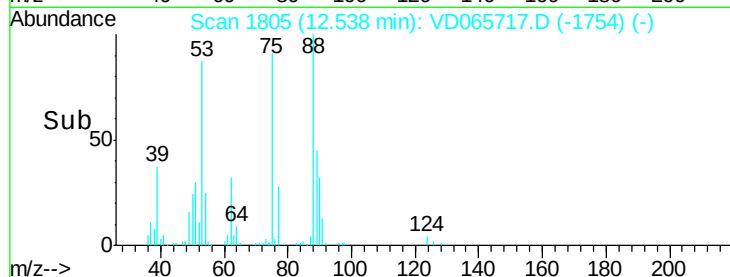
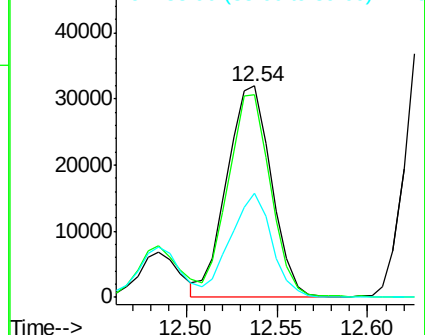
89 45.8 36.2 54.2



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

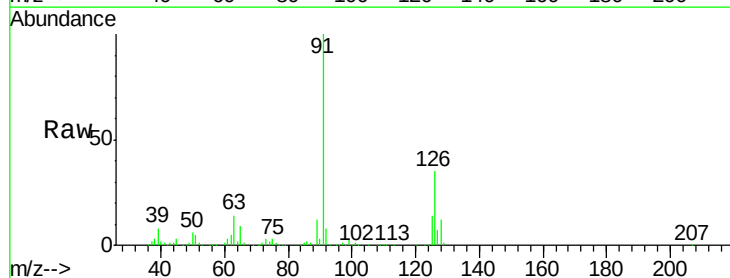
Acq: 08 May 2020 11:14

Tgt Ion: 91 Resp: 626614

Ion Ratio Lower Upper

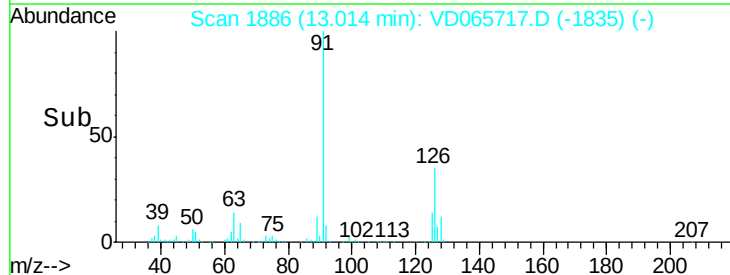
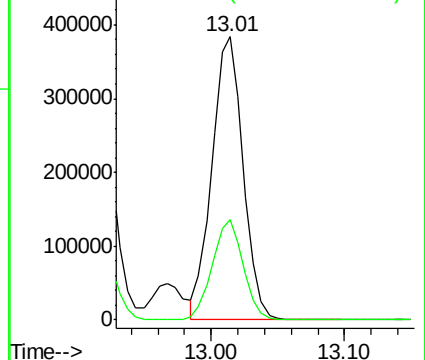
91 100

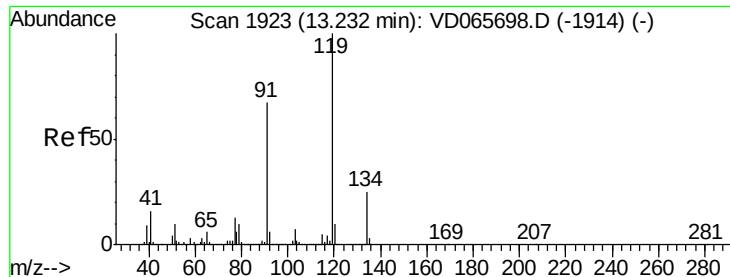
126 35.1 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

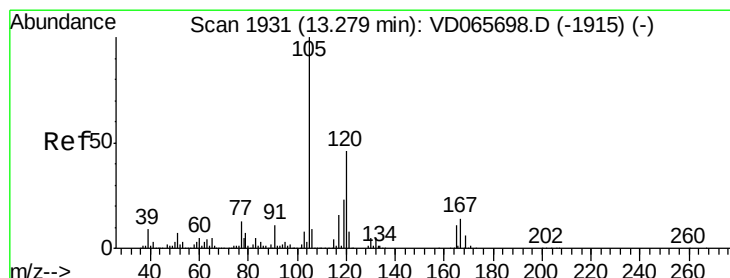
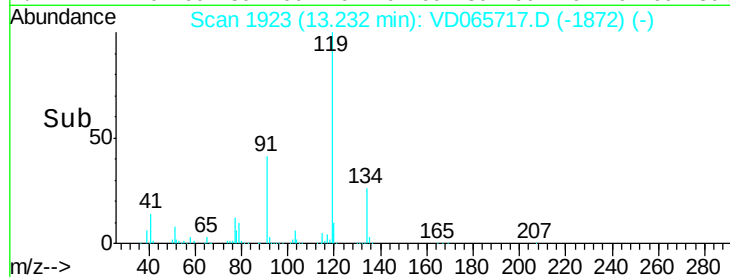
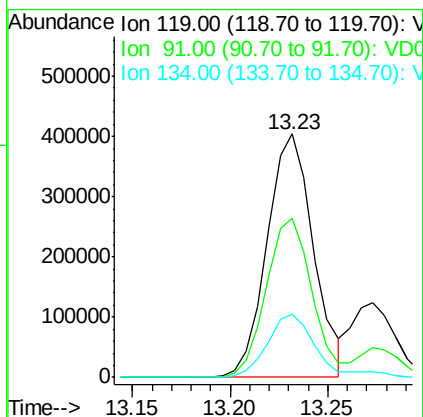
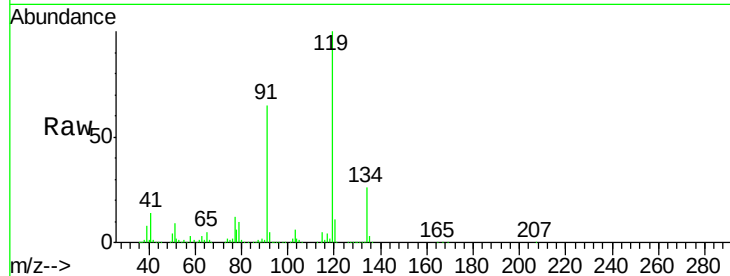




#83
 tert-Butylbenzene
 Concen: 49.281 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

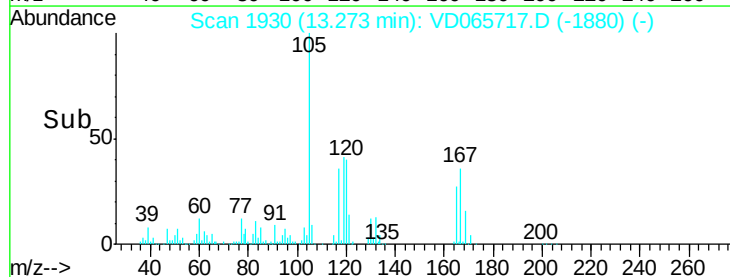
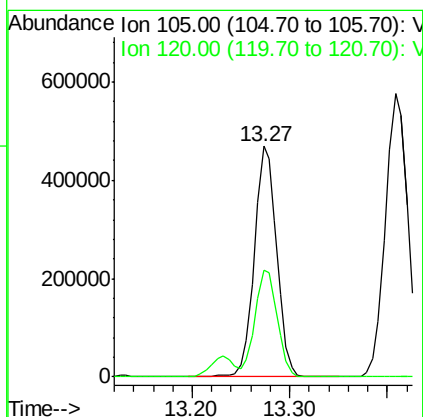
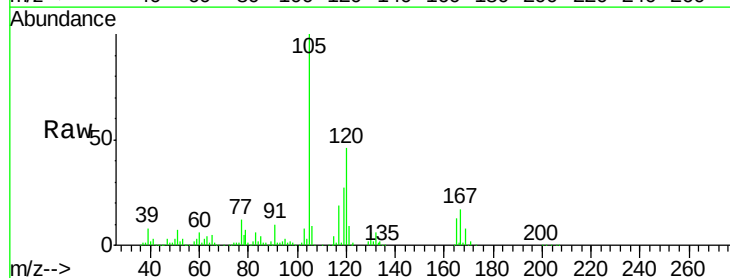
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

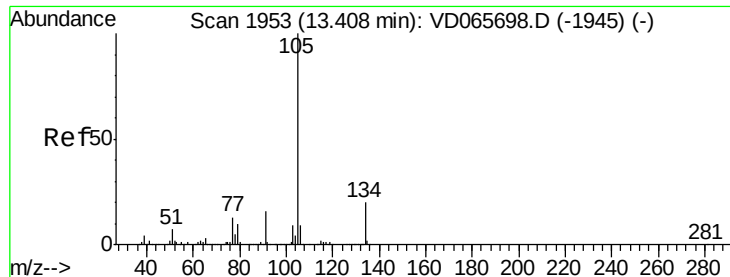
Tot Ion:119 Resp: 663733
 Ion Ratio Lower Upper
 119 100
 91 65.4 33.6 100.8
 134 27.7 13.6 40.8



#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 :

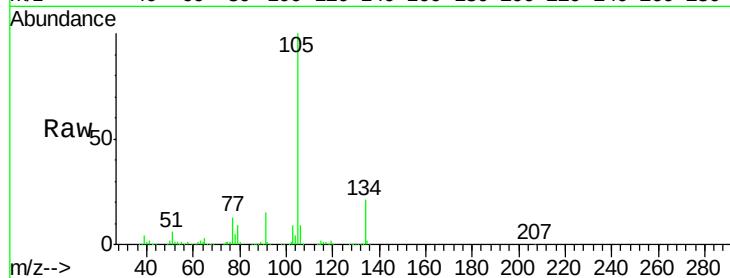
VSTDCCC050

Tot Ion:105 Resp: 920109

Ion Ratio Lower Upper

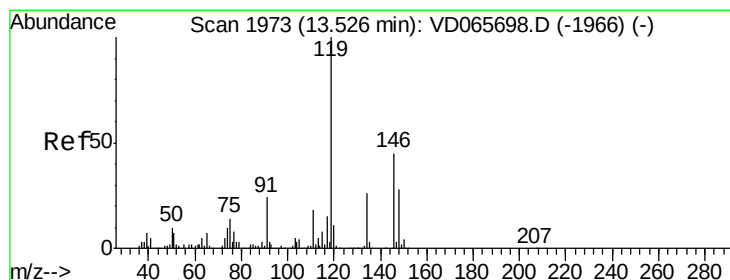
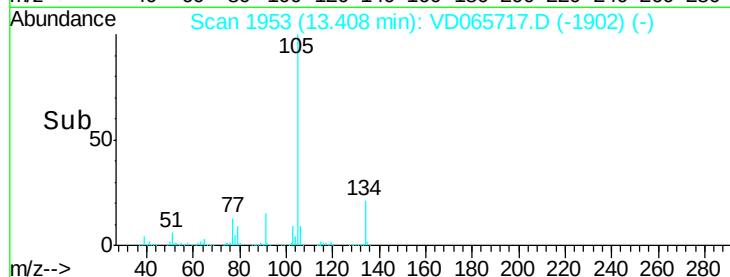
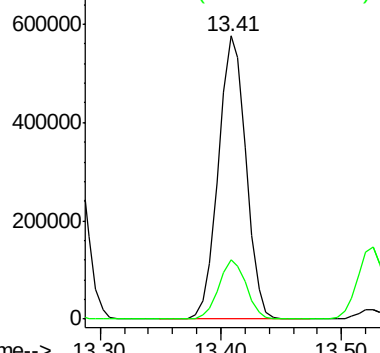
105 100

134 21.0 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#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

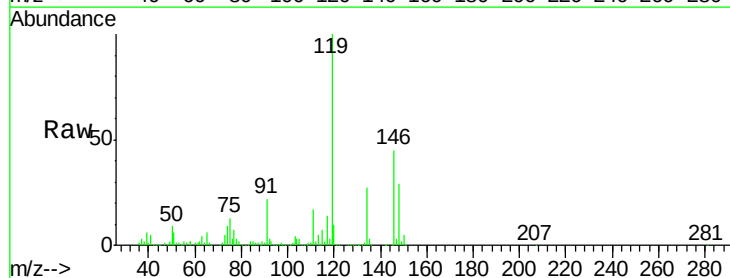
Tgt Ion:119 Resp: 855893

Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.6

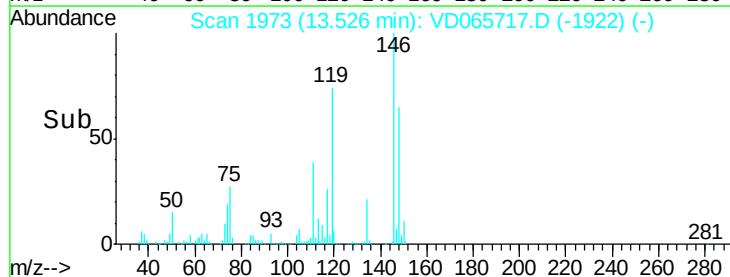
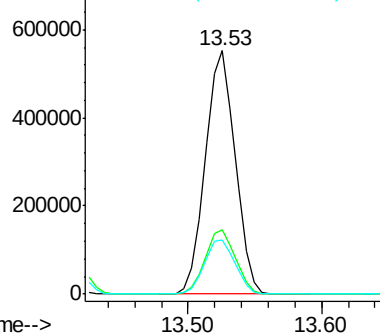
91 22.7 12.0 36.1

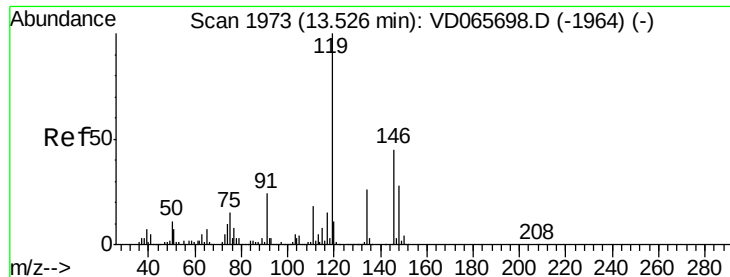


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.930 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

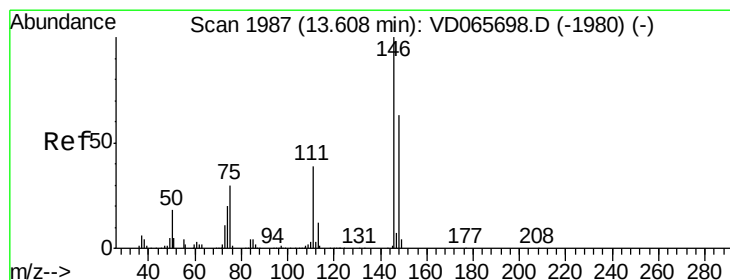
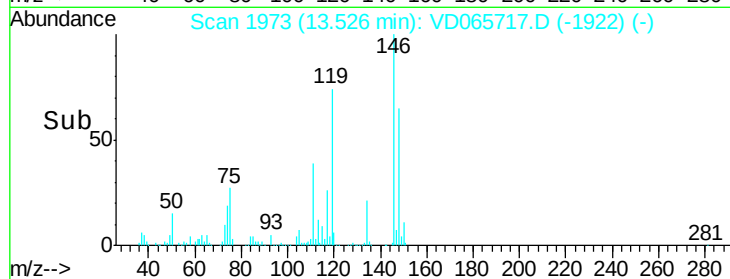
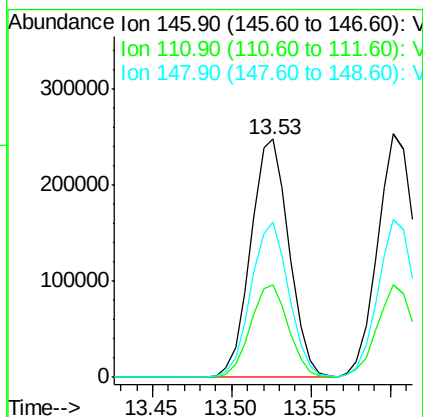
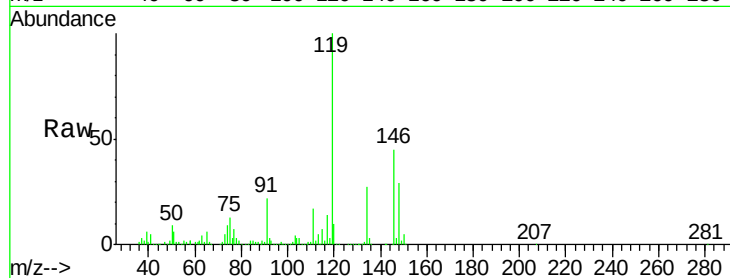
Lab File: VD065717.D

Acq: 08 May 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

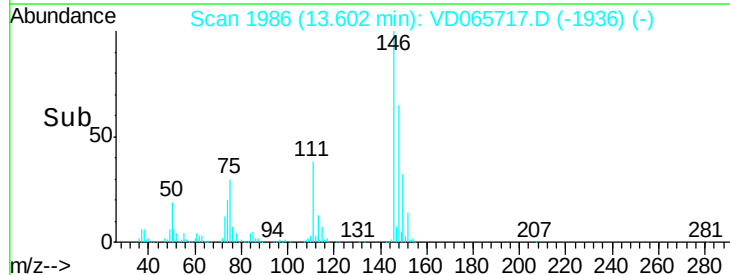
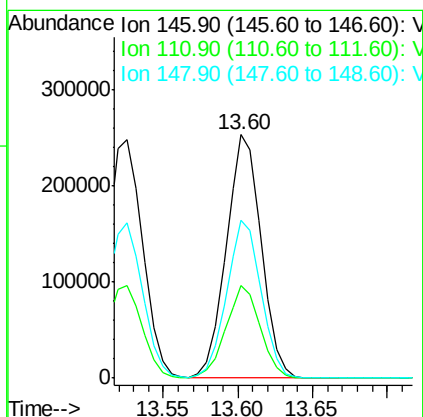
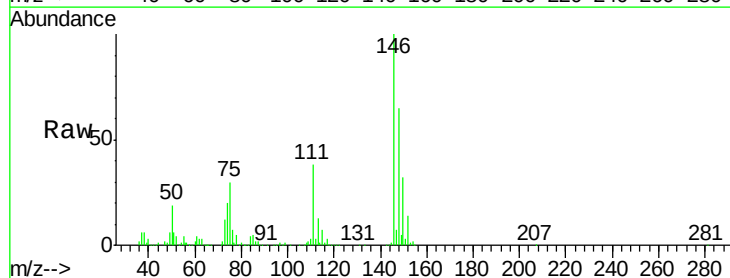
Delta R.T. -0.01 min

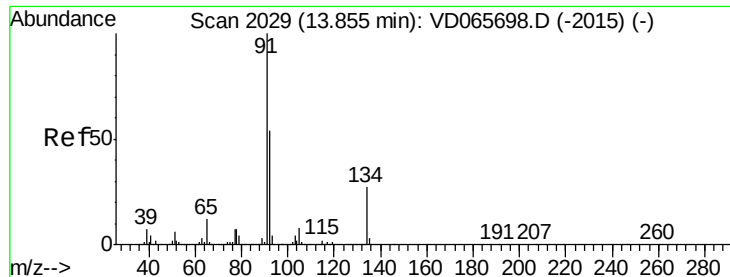
Lab File: VD065717.D

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

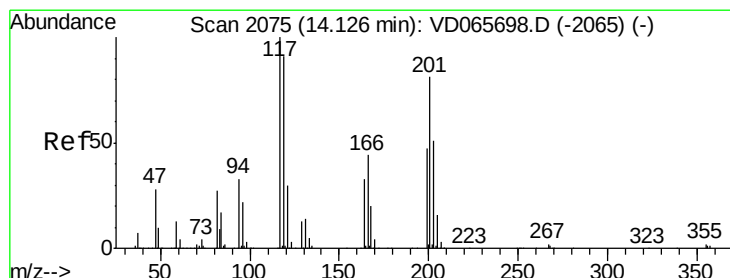
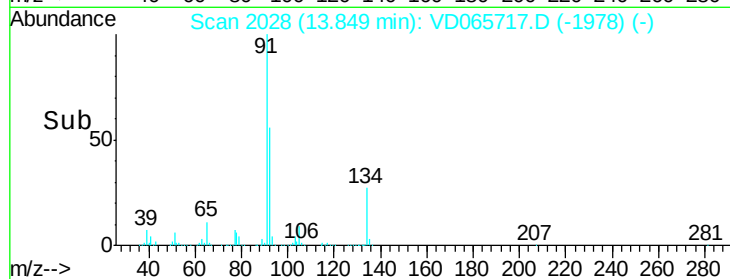
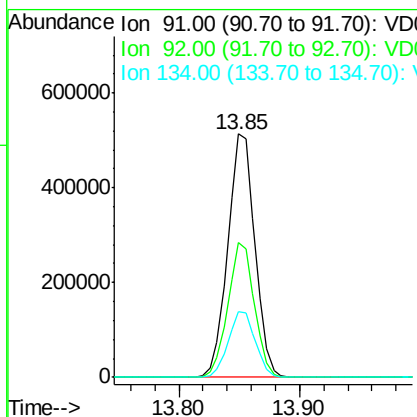
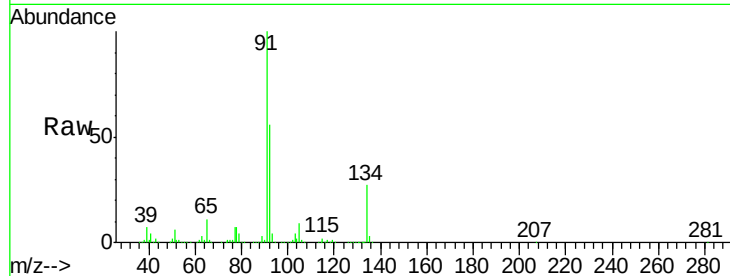




#89
n-Butylbenzene
Concen: 48.052 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

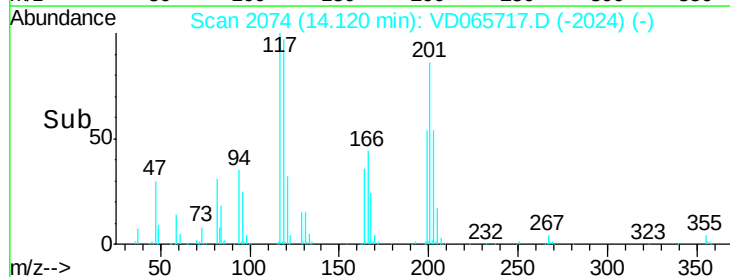
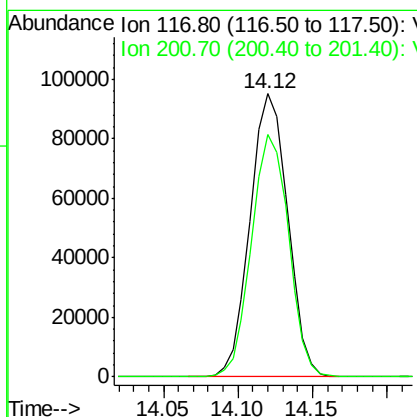
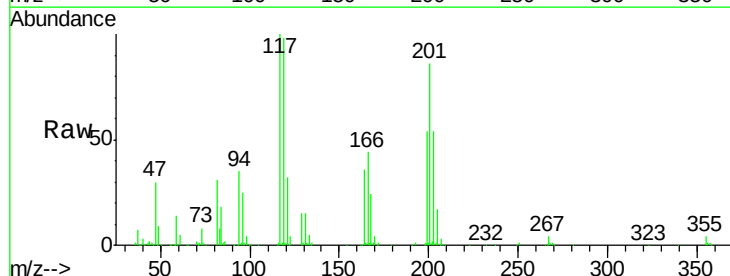
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

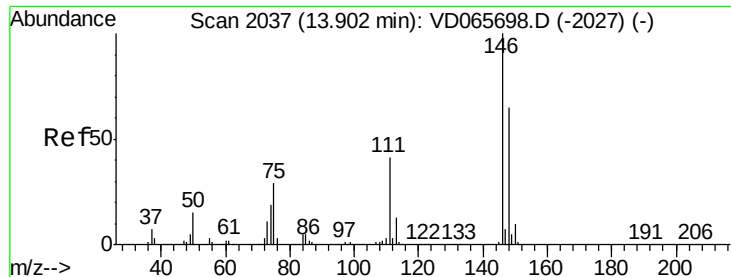
Tot Ion: 91 Resp: 801497
Ion Ratio Lower Upper
91 100
92 54.2 27.4 82.0
134 26.9 13.3 39.8



#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

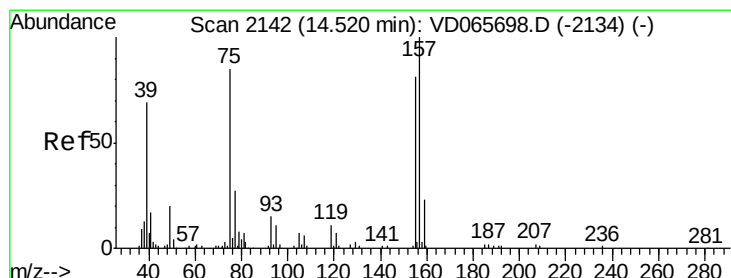
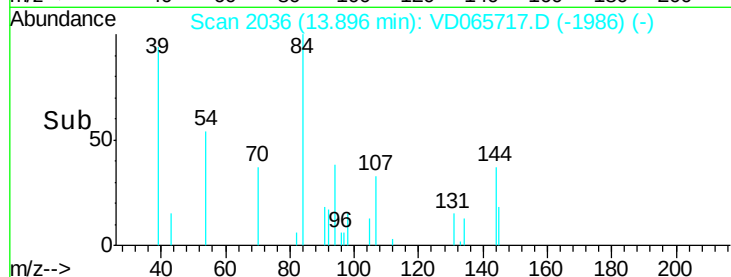
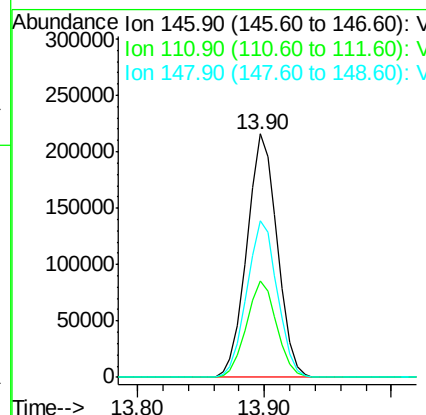
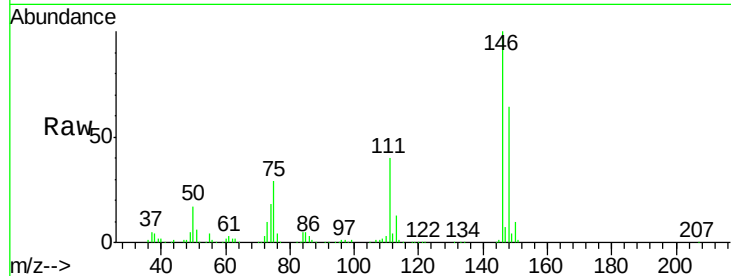




#91
 1,2-Dichlorobenzene
 Concen: 49.976 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

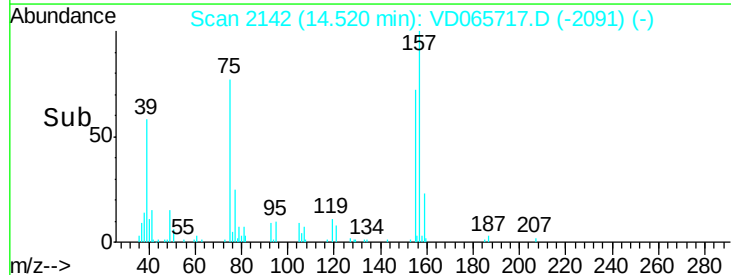
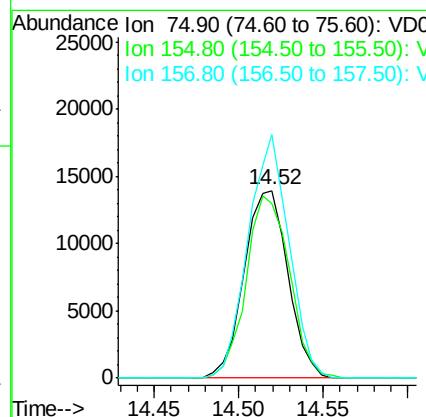
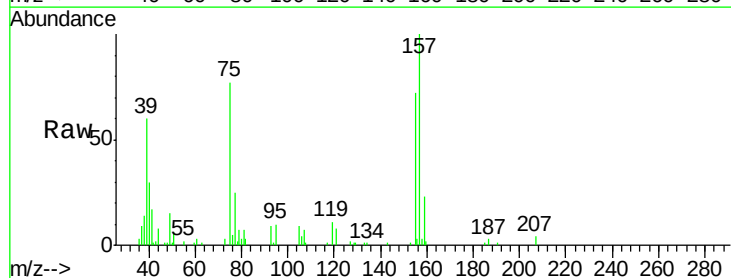
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

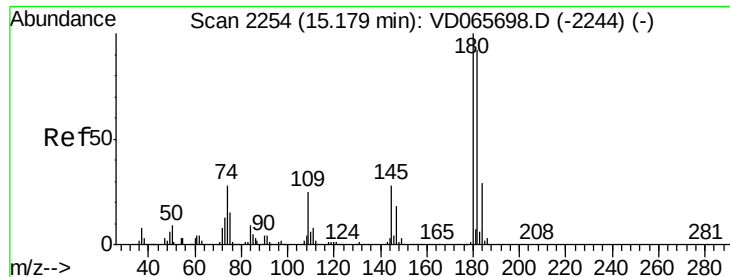
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.3	61.0
148	64.9	31.9	95.9



#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	Ratio	Lower	Upper
75	100		
155	95.9	43.5	130.5
157	120.6	54.5	163.6

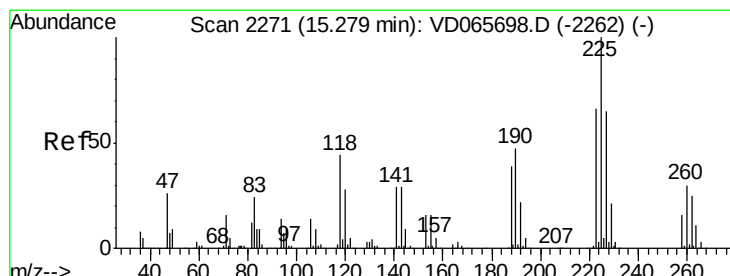
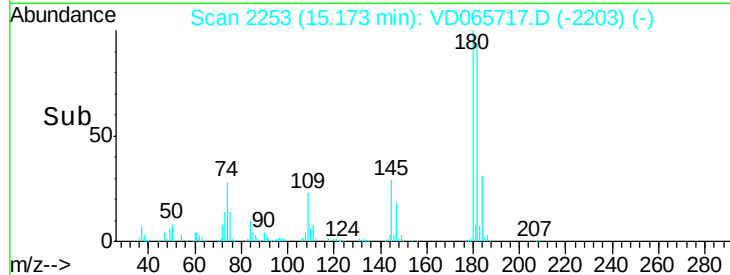
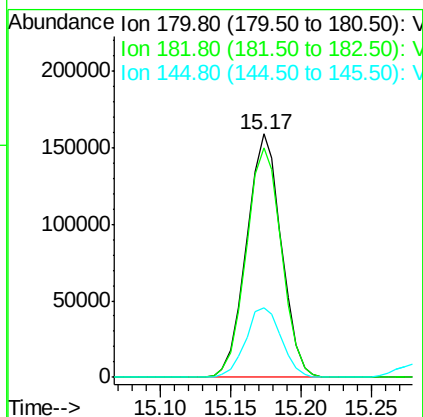
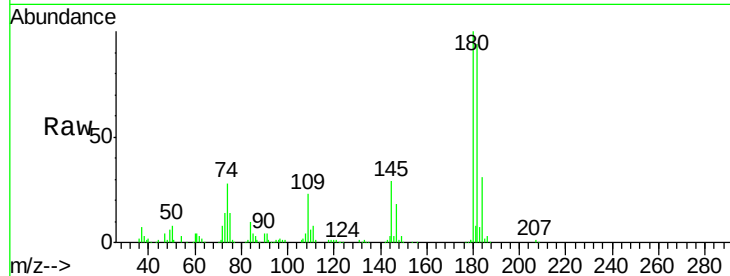




#93
 1,2,4-Trichlorobenzene
 Concen: 50.952 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065717.D
 Acq: 08 May 2020 11:14

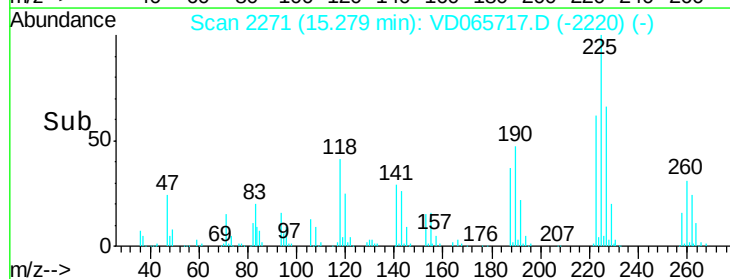
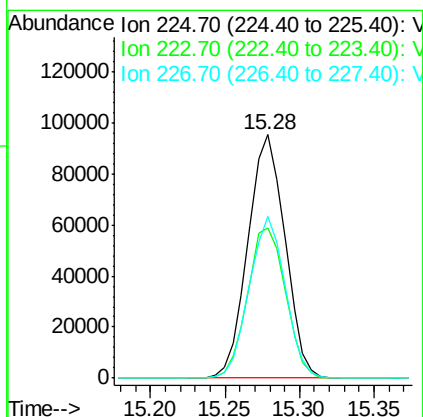
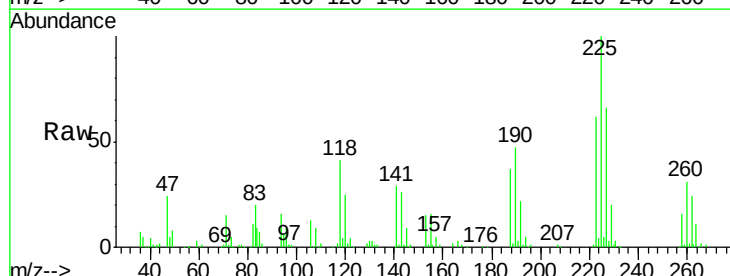
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

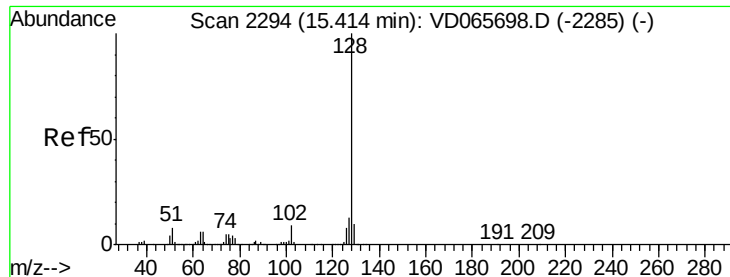
Tot Ion:180	Resp:	274005
Ion Ratio	Lower	Upper
180	100	
182	95.8	47.0 141.0
145	29.4	14.8 44.3



#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:225	Resp:	164327
Ion Ratio	Lower	Upper
225	100	
223	63.2	31.8 95.3
227	64.3	31.6 94.8

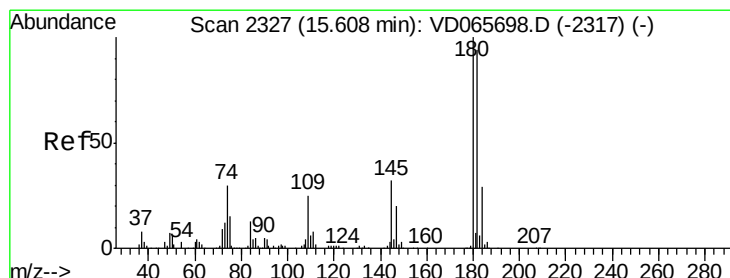
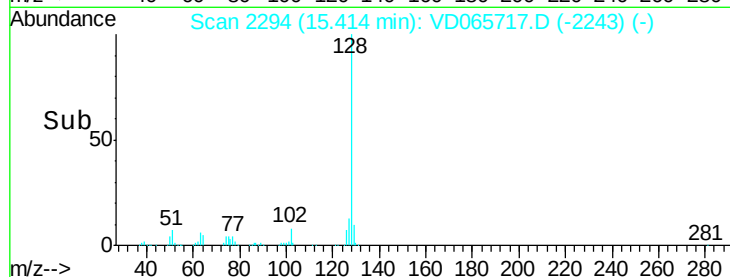
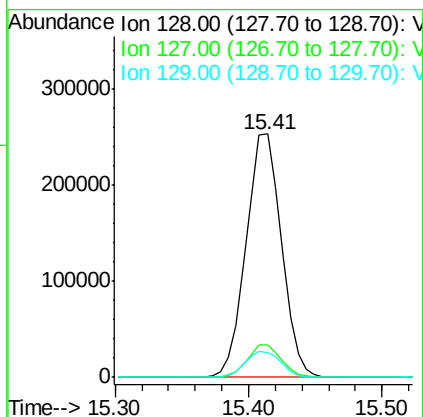
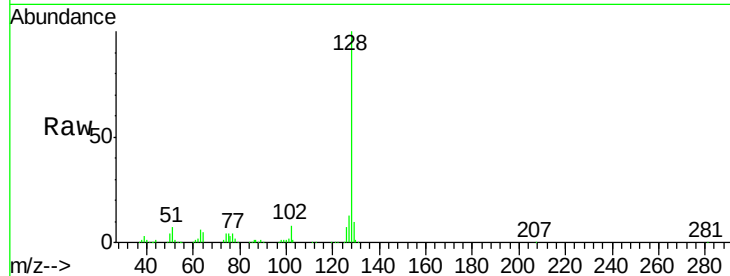




#95
Naphthalene
Concen: 48.986 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065717.D
Acq: 08 May 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

