

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD050720\
 Data File : VD065703.D
 Acq On : 07 May 2020 10:23
 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 08 06:00:06 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	432996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	653091	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	568214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	206131	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
35) Dibromofluoromethane	7.92	113	213072	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
50) Toluene-d8	10.34	98	824046	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.64	95	278947	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	159465	46.95	ug/l	97
3) Chloromethane	2.21	50	211062	49.28	ug/l	98
4) Vinyl Chloride	2.35	62	224103	51.64	ug/l	97
5) Bromomethane	2.77	94	138167	50.45	ug/l	96
6) Chloroethane	2.92	64	139009	49.86	ug/l	95
7) Trichlorofluoromethane	3.27	101	326431	47.15	ug/l	99
8) Diethyl Ether	3.71	74	95042	43.82	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	201508	47.95	ug/l	99
10) Methyl Iodide	4.30	142	206826	50.18	ug/l	97
11) Tert butyl alcohol	5.22	59	74174	226.31	ug/l	99
12) 1,1-Dichloroethene	4.07	96	197150	47.74	ug/l	94
13) Acrolein	3.92	56	80973	227.21	ug/l	99
14) Allyl chloride	4.71	41	360036	43.73	ug/l	98
15) Acrylonitrile	5.42	53	218424	214.21	ug/l	100
16) Acetone	4.16	43	266614	287.92	ug/l	94
17) Carbon Disulfide	4.40	76	635029	46.76	ug/l	98
18) Methyl Acetate	4.71	43	94560	41.07	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	448749	44.81	ug/l	96
20) Methylene Chloride	4.96	84	210232	45.07	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	218734	46.26	ug/l	99
22) Diisopropyl ether	6.36	45	678880	44.34	ug/l	99
23) Vinyl Acetate	6.30	43	2038124	220.40	ug/l	99
24) 1,1-Dichloroethane	6.26	63	375731	44.80	ug/l	99
25) 2-Butanone	7.21	43	325303	236.83	ug/l	98
26) 2,2-Dichloropropane	7.21	77	346789	45.92	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	240654	46.91	ug/l	96
28) Bromochloromethane	7.54	49	176622	50.49	ug/l	96
29) Tetrahydrofuran	7.56	42	189234	213.75	ug/l	97
30) Chloroform	7.71	83	368887	45.70	ug/l	98
31) Cyclohexane	7.99	56	378216	43.58	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	347532	46.45	ug/l	99
36) 1,1-Dichloropropene	8.11	75	305543	47.11	ug/l	97
37) Ethyl Acetate	7.29	43	138552	44.36	ug/l	99
38) Carbon Tetrachloride	8.10	117	314433	48.90	ug/l	97

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 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	401061	49.25	ug/l	96
40) Benzene	8.35	78	838858	47.36	ug/l	98
41) Methacrylonitrile	7.53	41	81825	45.42	ug/l	92
42) 1,2-Dichloroethane	8.43	62	233181	45.75	ug/l	99
43) Isopropyl Acetate	8.46	43	274615	43.97	ug/l	100
44) Trichloroethene	9.11	130	240908	49.35	ug/l	100
45) 1,2-Dichloropropane	9.39	63	213651	46.64	ug/l	96
46) Dibromomethane	9.48	93	107074	46.60	ug/l	96
47) Bromodichloromethane	9.66	83	287718	46.82	ug/l	99
48) Methyl methacrylate	9.46	41	135294	43.26	ug/l	98
49) 1,4-Dioxane	9.46	88	25823	916.80	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	670802	222.87	ug/l	98
52) Toluene	10.40	92	540498	48.25	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	290277	46.64	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	346081	47.20	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	146607	47.33	ug/l	97
56) Ethyl methacrylate	10.66	69	205491	45.94	ug/l	98
57) 1,3-Dichloropropane	10.95	76	259261	46.55	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	509576	248.17	ug/l	98
59) 2-Hexanone	10.98	43	495570	239.38	ug/l	100
60) Dibromochloromethane	11.14	129	196667	47.26	ug/l	100
61) 1,2-Dibromoethane	11.25	107	147615	47.36	ug/l	99
64) Tetrachloroethene	10.88	164	203236	50.26	ug/l	99
65) Chlorobenzene	11.67	112	559866	48.90	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	209348	49.05	ug/l	99
67) Ethyl Benzene	11.75	91	1036733	48.54	ug/l	99
68) m/p-Xylenes	11.86	106	789993	99.22	ug/l	97
69) o-Xylene	12.18	106	362439	48.78	ug/l	98
70) Styrene	12.20	104	626542	49.05	ug/l	99
71) Bromoform	12.36	173	117303	48.84	ug/l #	99
73) Isopropylbenzene	12.48	105	1002855	48.16	ug/l	100
74) N-amyl acetate	12.29	43	262183	44.10	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	158469	45.38	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	217509	93.71	ug/l #	100
77) Bromobenzene	12.77	156	233120	48.82	ug/l	95
78) n-propylbenzene	12.83	91	1179457	48.10	ug/l	99
79) 2-Chlorotoluene	12.91	91	645280	46.58	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	825226	48.27	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	59702	45.53	ug/l	100
82) 4-Chlorotoluene	13.01	91	686738	47.37	ug/l	100
83) tert-Butylbenzene	13.23	119	716021	49.21	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	808116	47.45	ug/l	100
85) sec-Butylbenzene	13.41	105	999719	48.98	ug/l	99
86) p-Isopropyltoluene	13.53	119	908623	48.85	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	434425	48.41	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	430706	48.64	ug/l	99
89) n-Butylbenzene	13.85	91	876433	48.63	ug/l	99
90) Hexachloroethane	14.12	117	179772	48.52	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	375072	48.43	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25755	43.88	ug/l	90

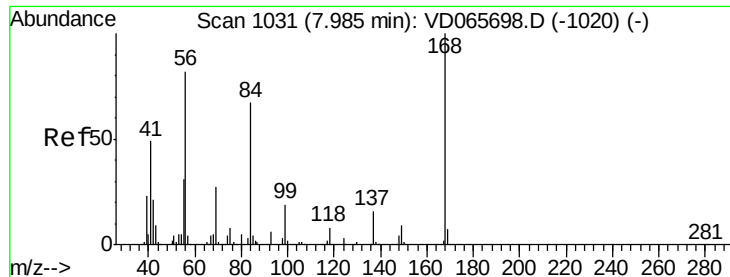
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	280258	48.23	ug/l	98
94) Hexachlorobutadiene	15.28	225	169604	50.37	ug/l	99
95) Naphthalene	15.41	128	480829	47.08	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	240456	48.65	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

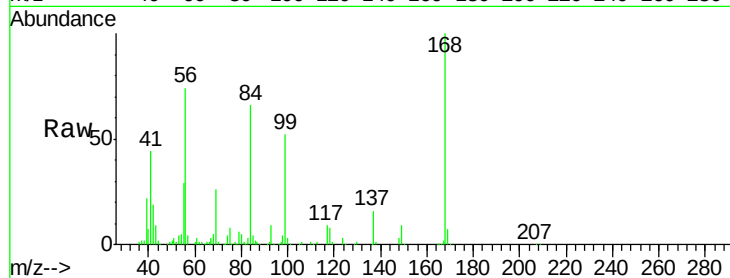
VSTDCCC050

Tgt Ion:168 Resp: 432996

Ion Ratio Lower Upper

168 100

99 52.2 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

200000

150000

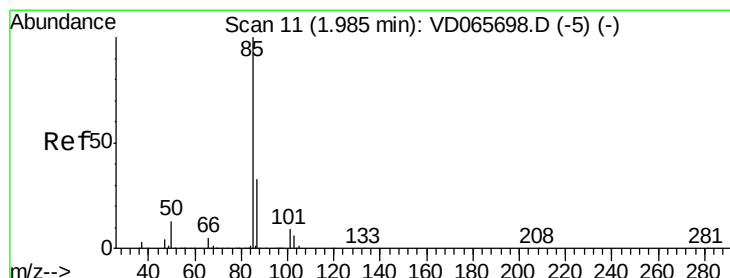
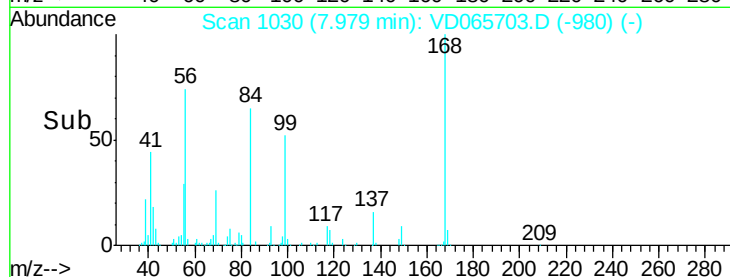
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.95 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065703.D

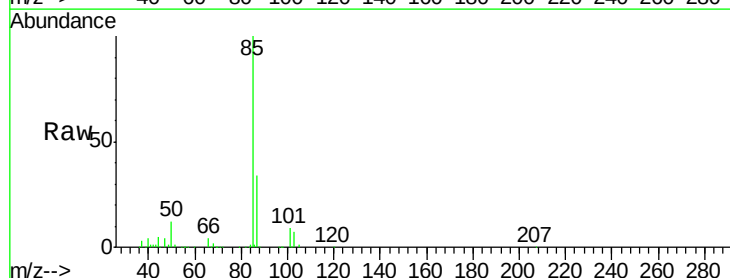
Acq: 07 May 2020 10:23

Tgt Ion: 85 Resp: 159465

Ion Ratio Lower Upper

85 100

87 34.5 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

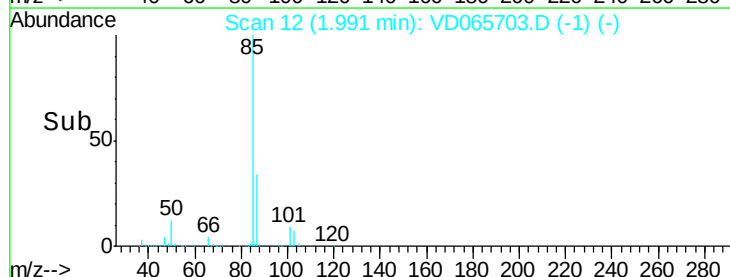
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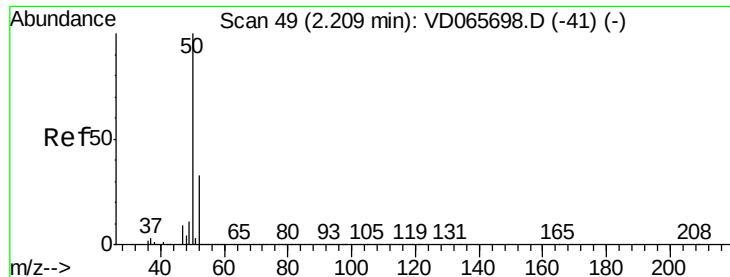
50000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 49.28 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

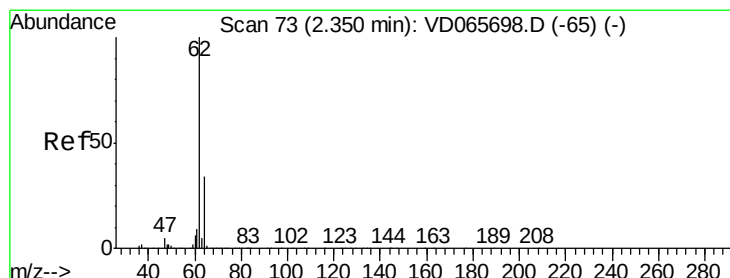
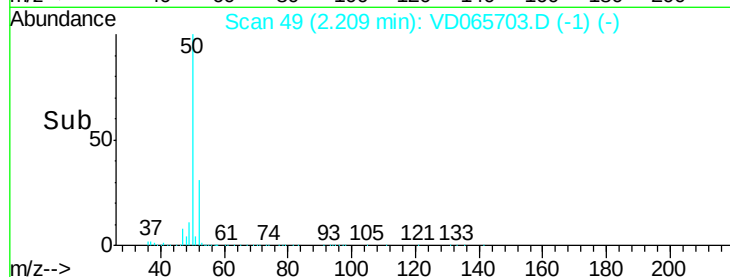
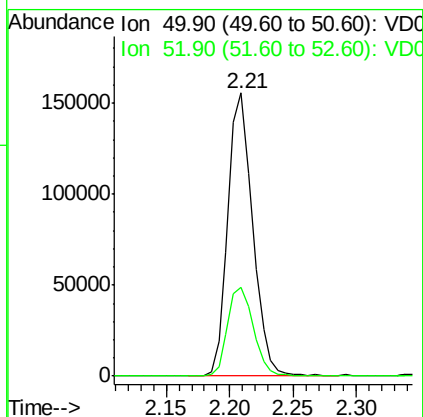
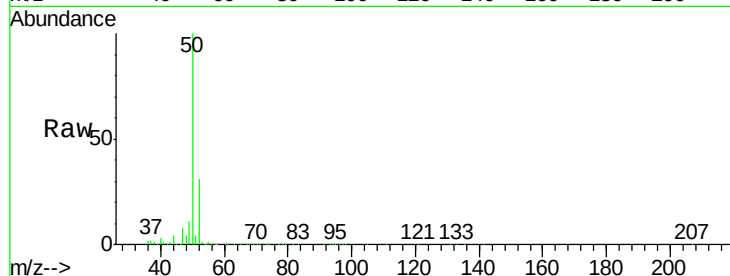
VSTDCCC050

Tgt Ion: 50 Resp: 211062

Ion Ratio Lower Upper

50 100

52 31.4 26.1 39.1



#4

Vinyl Chloride

Concen: 51.64 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065703.D

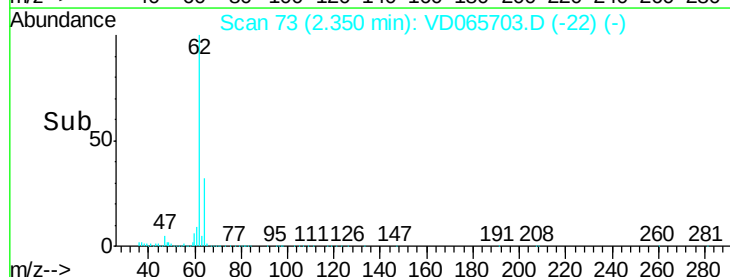
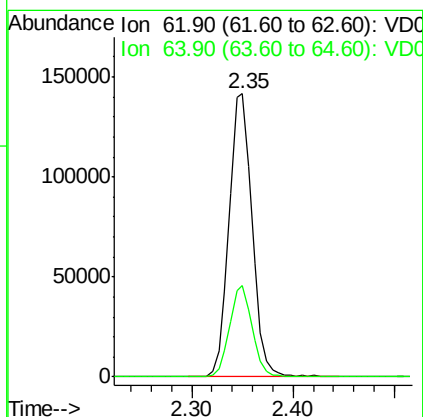
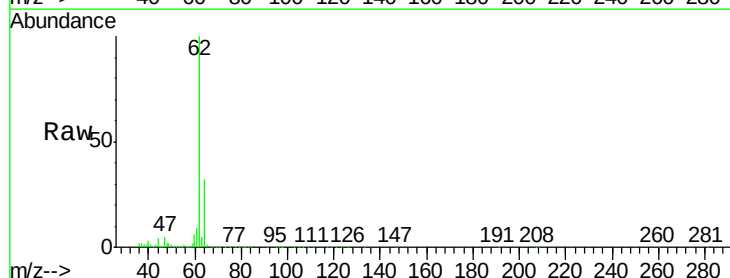
Acq: 07 May 2020 10:23

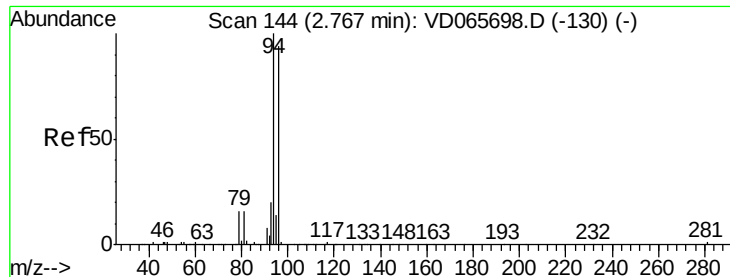
Tgt Ion: 62 Resp: 224103

Ion Ratio Lower Upper

62 100

64 32.5 27.2 40.8





#5

Bromomethane

Concen: 50.45 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

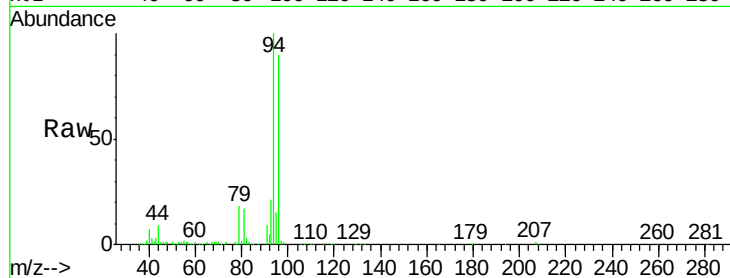
VSTDCCC050

Tgt Ion: 94 Resp: 138167

Ion Ratio Lower Upper

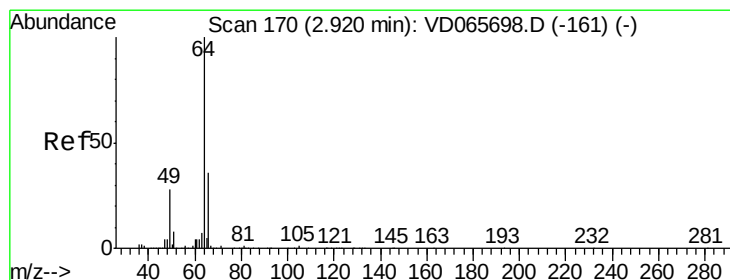
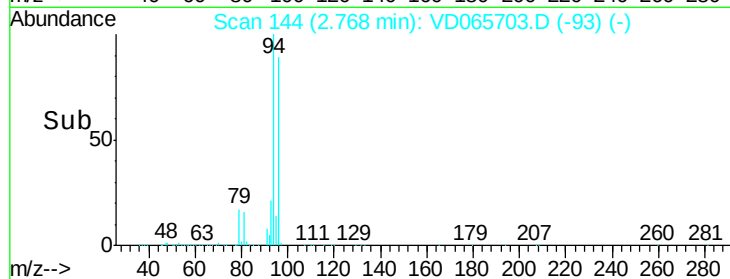
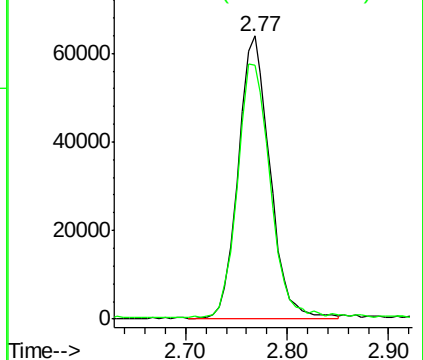
94 100

96 89.5 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: 49.86 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065703.D

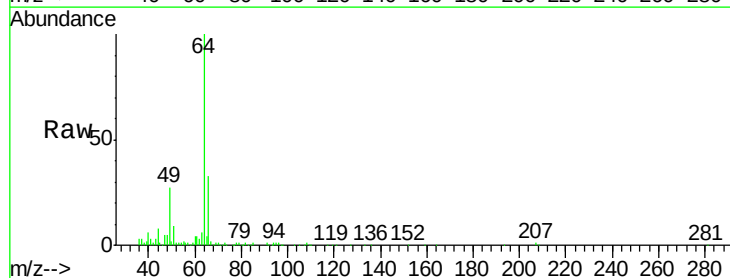
Acq: 07 May 2020 10:23

Tgt Ion: 64 Resp: 139009

Ion Ratio Lower Upper

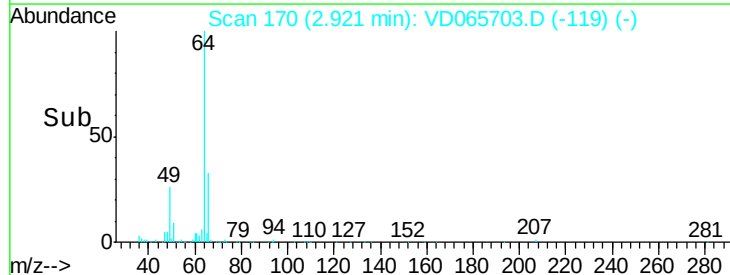
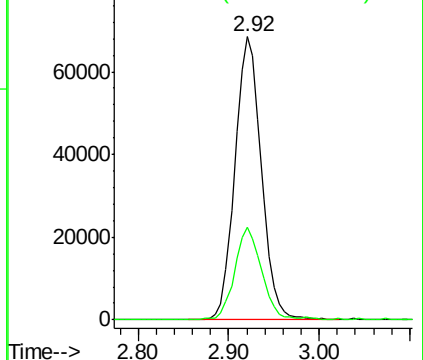
64 100

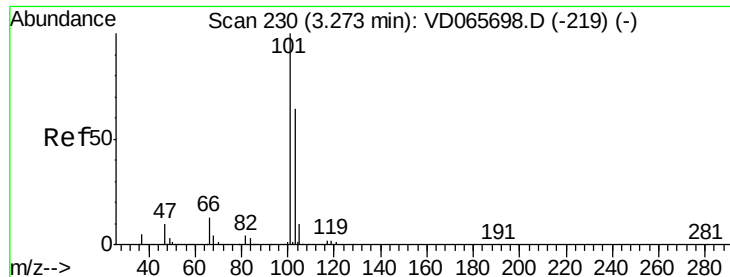
66 32.4 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 47.15 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

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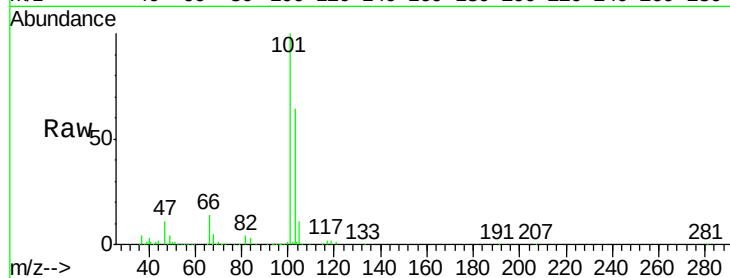
VSTDCCC050

Tgt Ion: 101 Resp: 326431

Ion Ratio Lower Upper

101 100

103 64.3 51.1 76.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

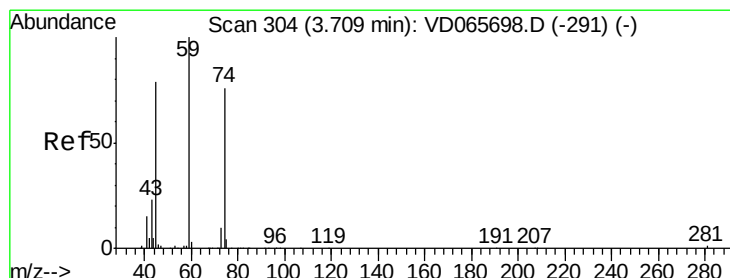
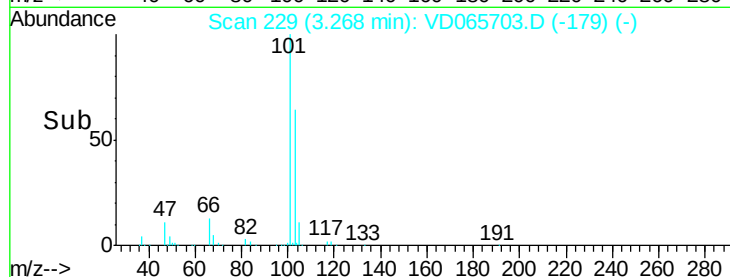
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 43.82 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD065703.D

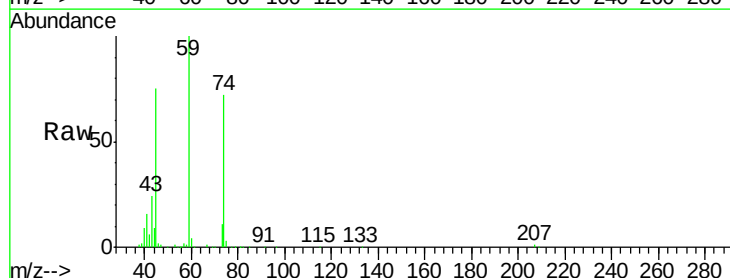
Acq: 07 May 2020 10:23

Tgt Ion: 74 Resp: 95042

Ion Ratio Lower Upper

74 100

45 108.3 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

50000

40000

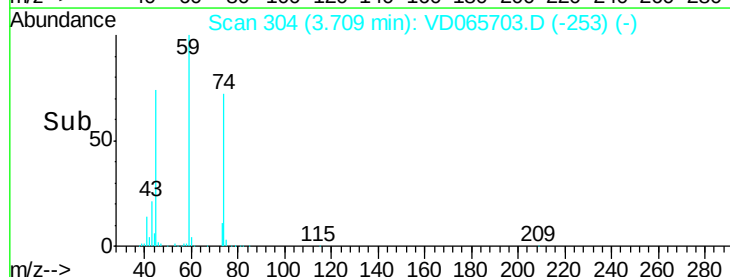
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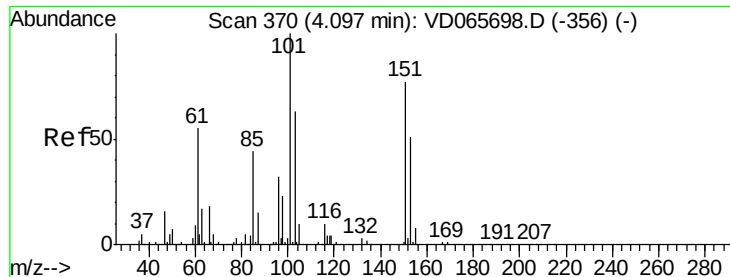
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.95 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

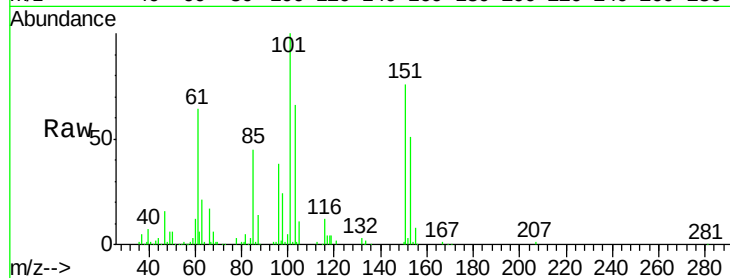
Tgt Ion:101 Resp: 201508

Ion Ratio Lower Upper

101 100

85 44.1 34.4 51.6

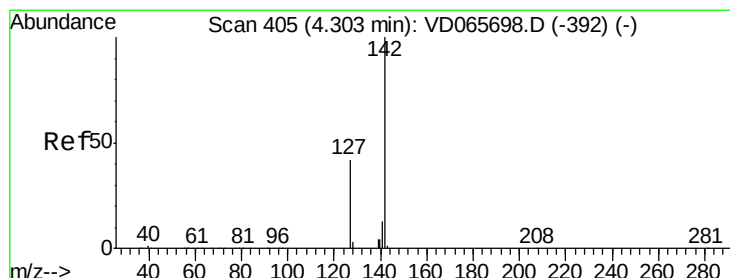
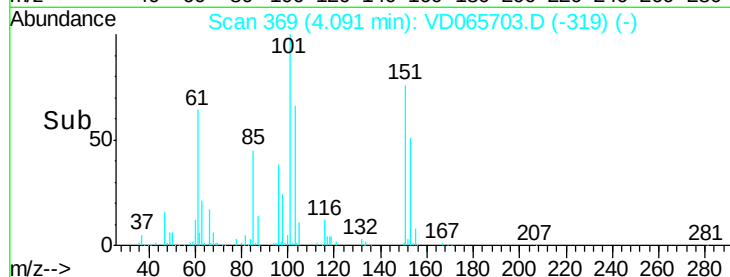
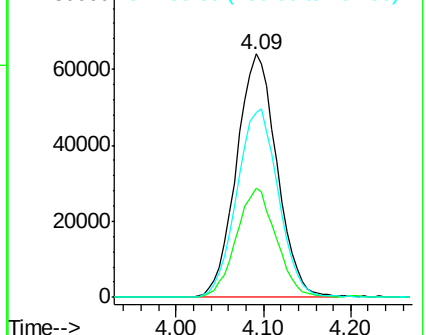
151 79.5 63.0 94.4



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: 50.18 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

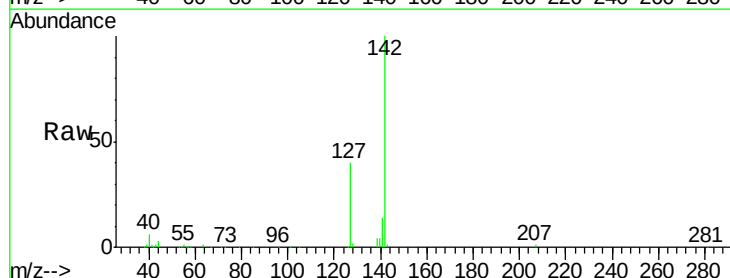
Tgt Ion:142 Resp: 206826

Ion Ratio Lower Upper

142 100

127 41.2 34.5 51.7

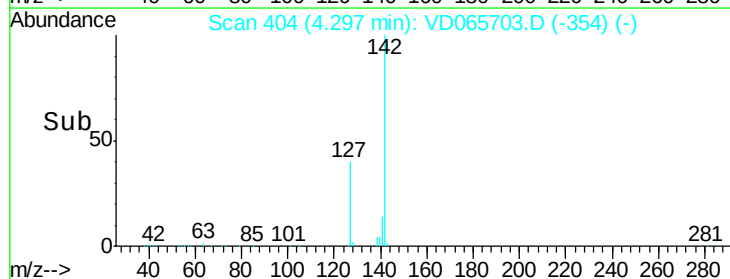
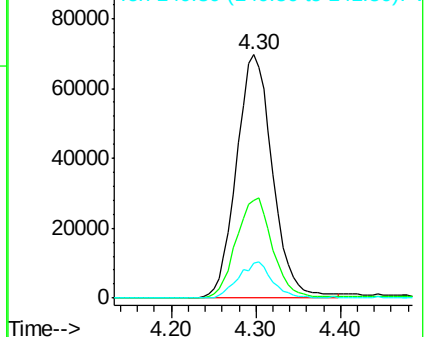
141 14.0 11.6 17.4

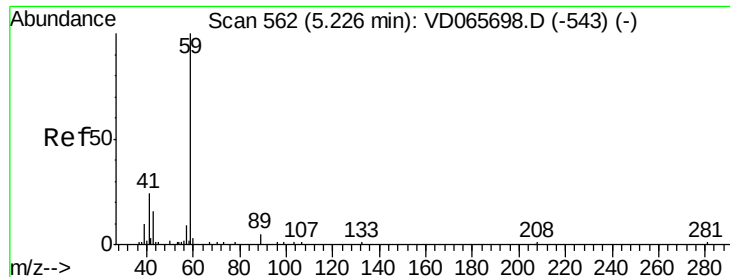


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



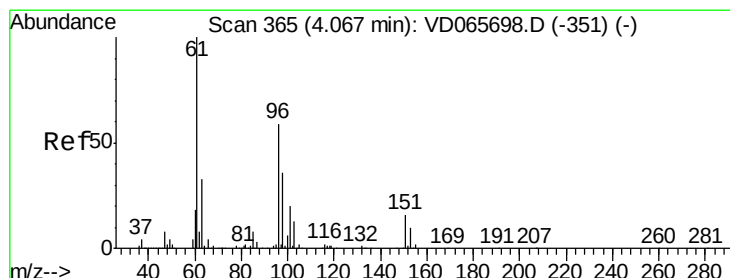
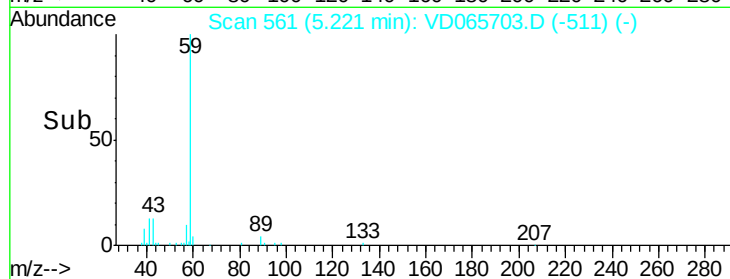
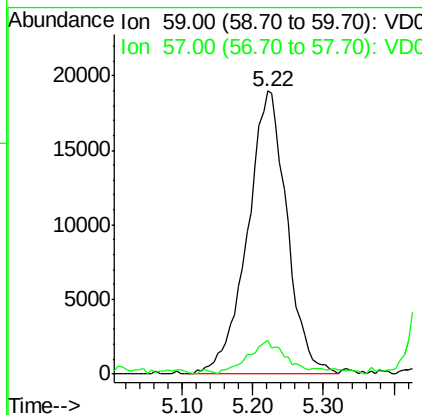
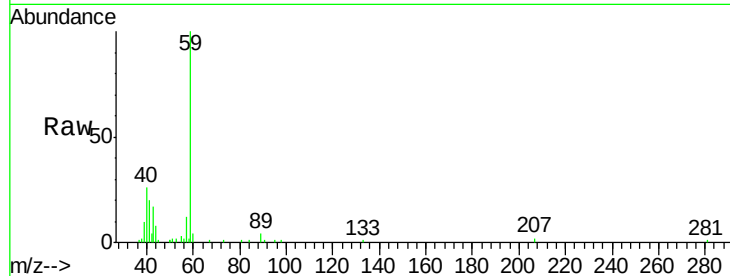


#11

Tert butyl alcohol
 Concen: 226.31 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

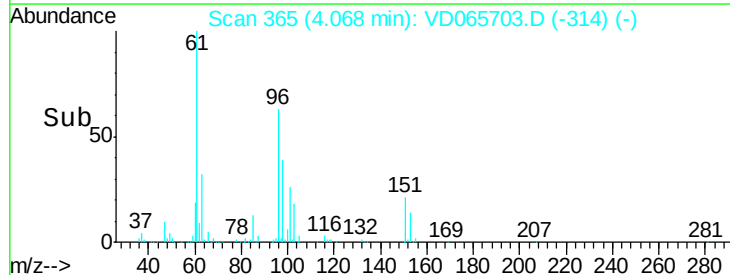
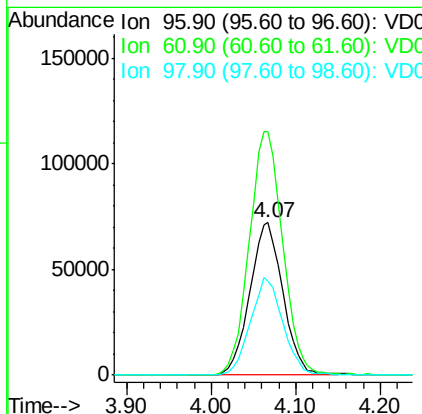
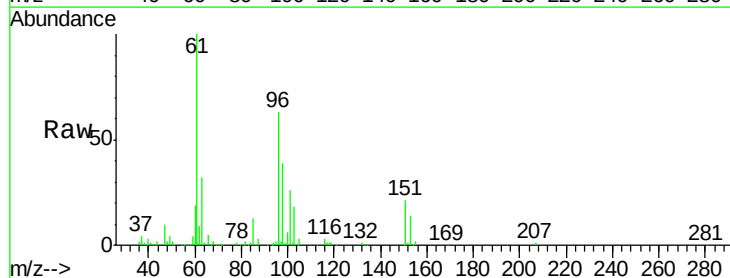
Tgt Ion: 59 Resp: 74174
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.7 13.1

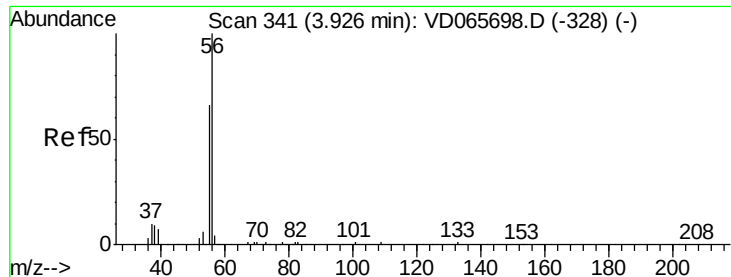


#12

1,1-Dichloroethene
 Concen: 47.74 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

Tgt Ion: 96 Resp: 197150
 Ion Ratio Lower Upper
 96 100
 61 159.5 136.0 204.0
 98 61.7 49.7 74.5





#13

Acrolein

Concen: 227.21 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

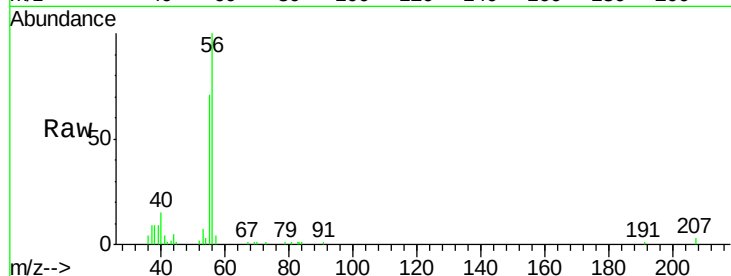
VSTDCCC050

Tgt Ion: 56 Resp: 80973

Ion Ratio Lower Upper

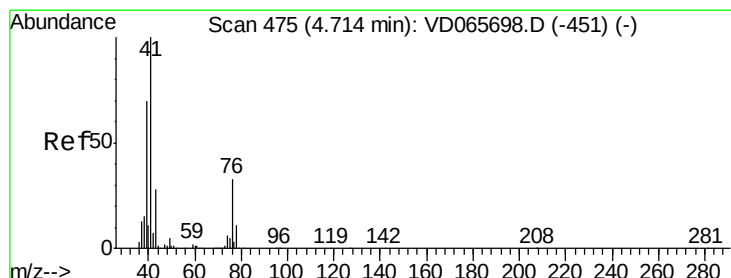
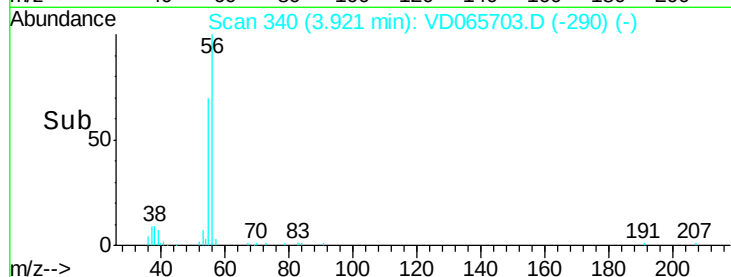
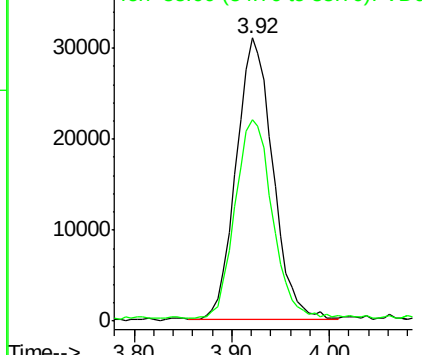
56 100

55 72.0 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 43.73 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

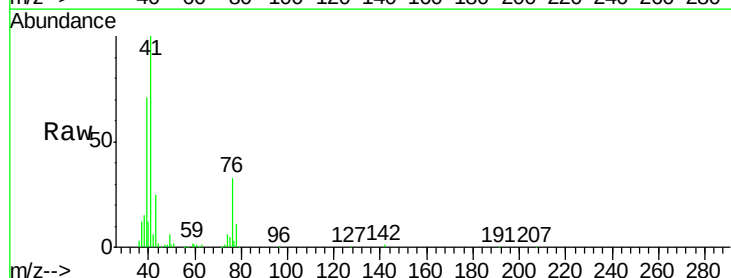
Tgt Ion: 41 Resp: 360036

Ion Ratio Lower Upper

41 100

39 70.5 55.6 83.4

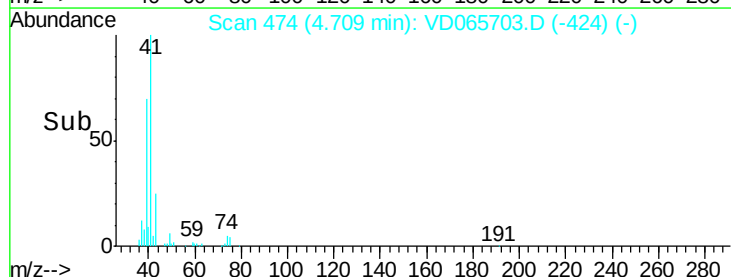
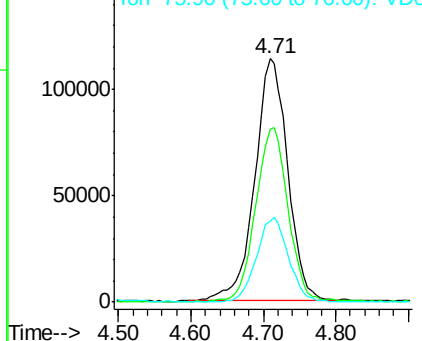
76 34.0 25.6 38.4

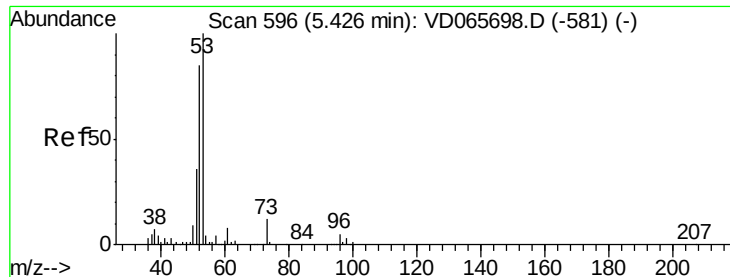


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 214.21 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

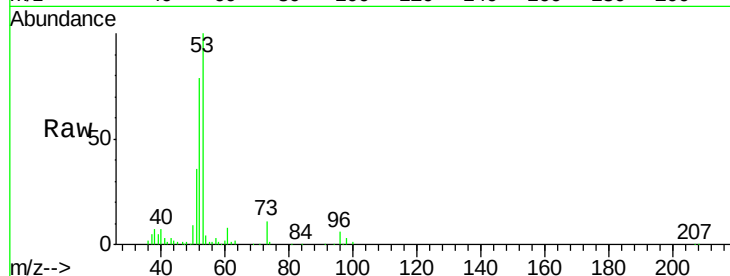
Tgt Ion: 53 Resp: 218424

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.2

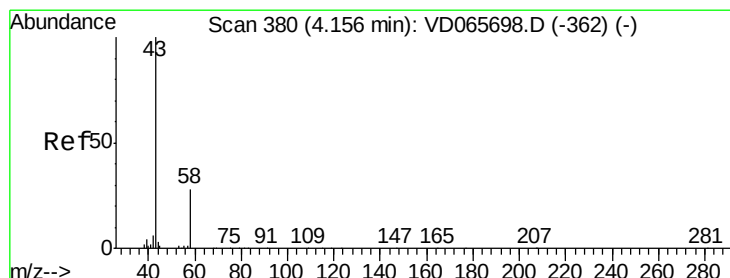
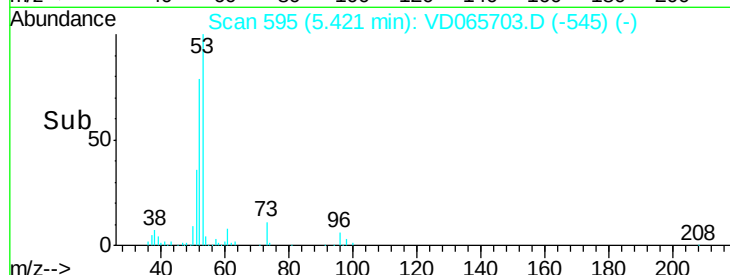
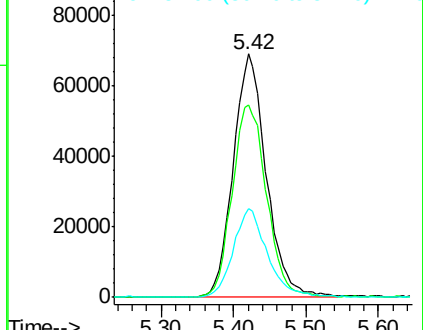
51 37.8 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 287.92 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065703.D

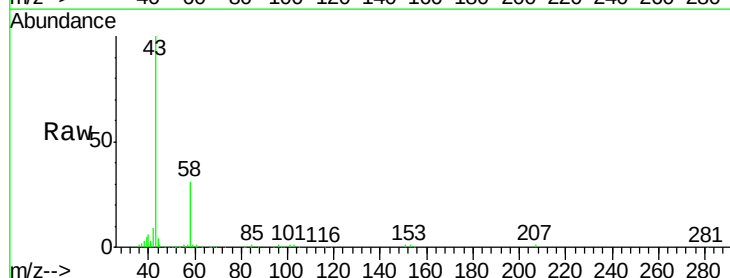
Acq: 07 May 2020 10:23

Tgt Ion: 43 Resp: 266614

Ion Ratio Lower Upper

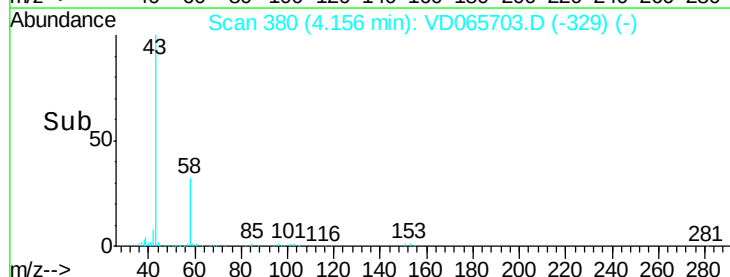
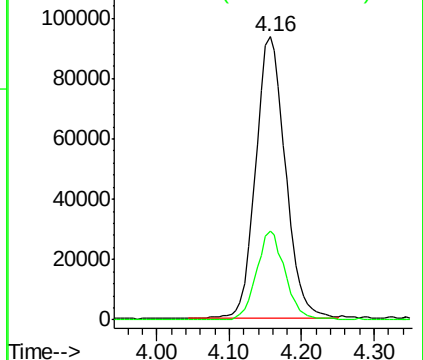
43 100

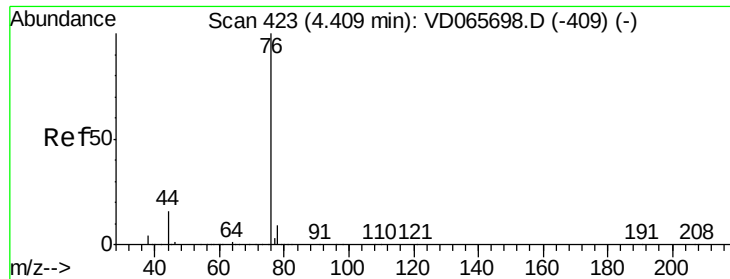
58 31.5 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 46.76 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

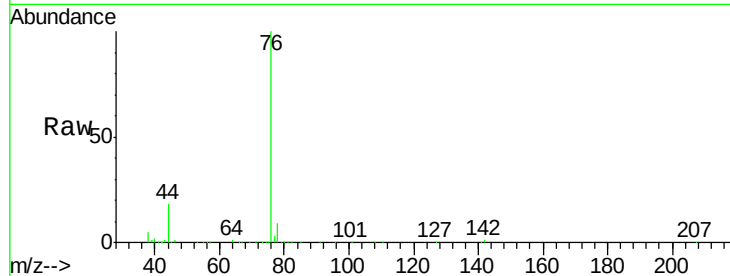
VSTDCCC050

Tgt Ion: 76 Resp: 635029

Ion Ratio Lower Upper

76 100

78 9.1 6.8 10.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

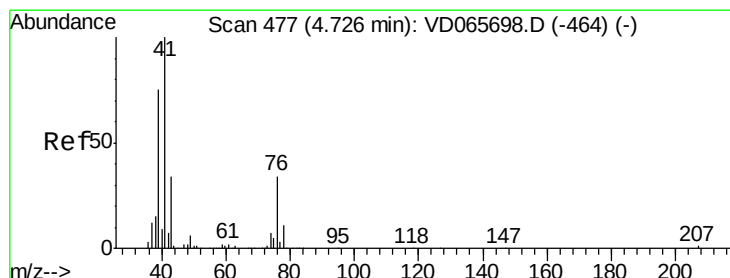
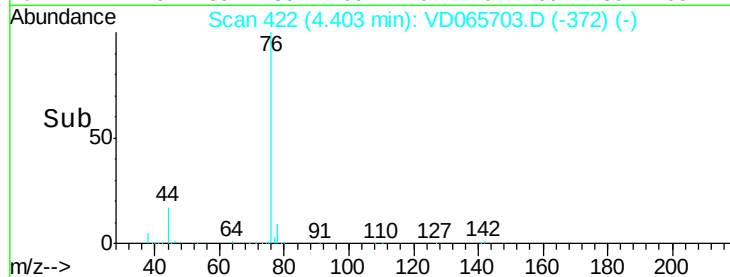
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 41.07 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065703.D

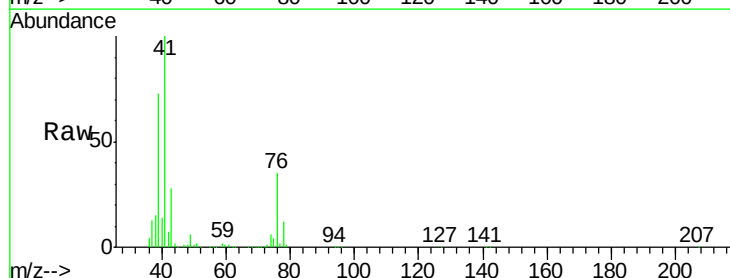
Acq: 07 May 2020 10:23

Tgt Ion: 43 Resp: 94560

Ion Ratio Lower Upper

43 100

74 23.1 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

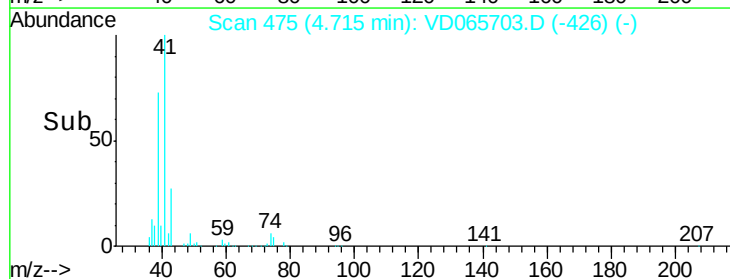
30000

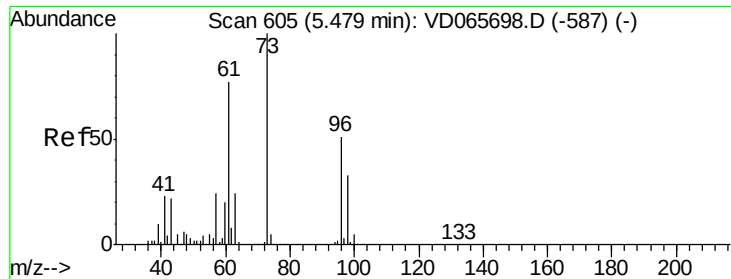
20000

10000

0

Time-->

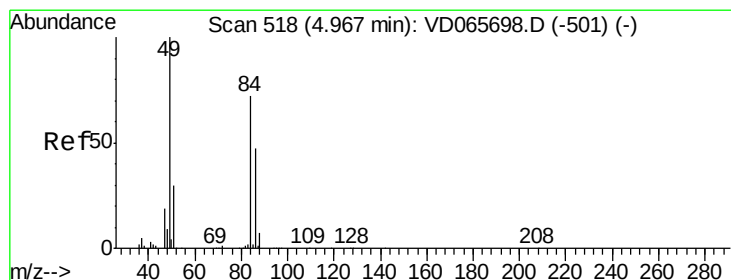
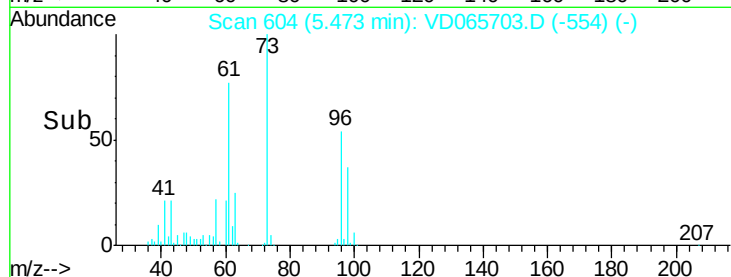
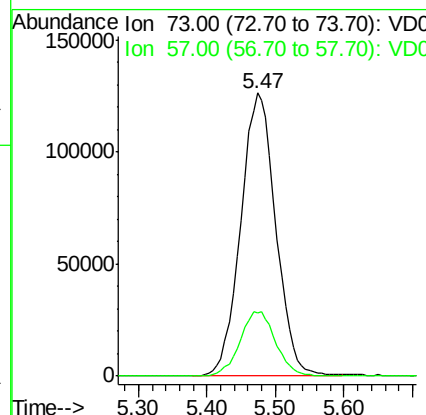
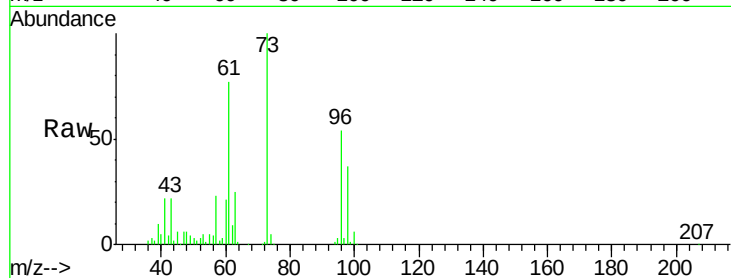




#19
Methyl tert-butyl Ether
Concen: 44.81 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

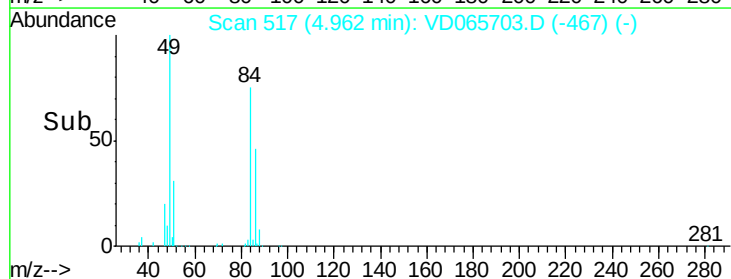
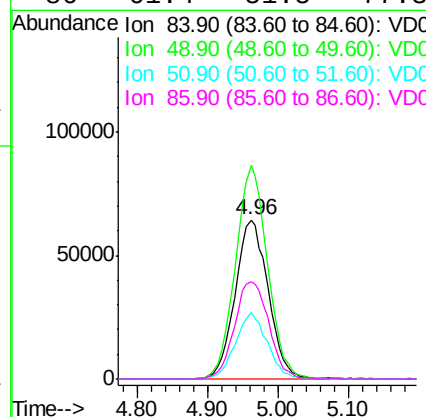
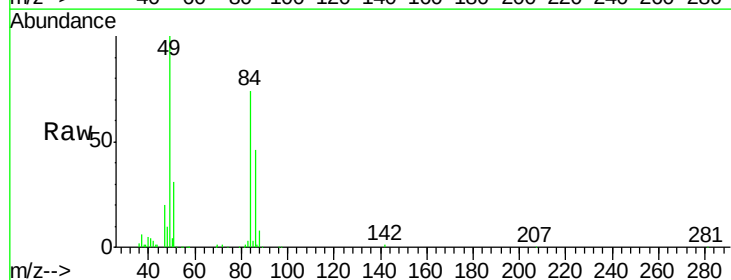
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

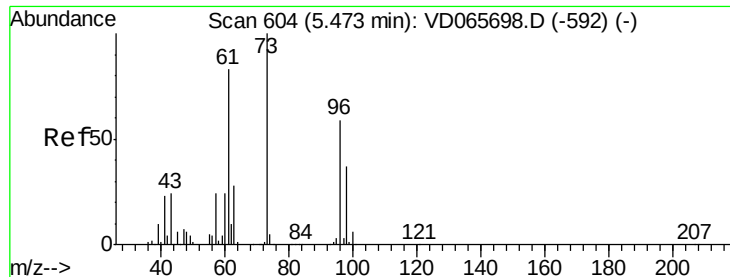
Tgt Ion: 73 Resp: 448749
Ion Ratio Lower Upper
73 100
57 22.4 19.4 29.0



#20
Methylene Chloride
Concen: 45.07 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Tgt Ion: 84 Resp: 210232
Ion Ratio Lower Upper
84 100
49 134.3 110.4 165.6
51 42.3 33.4 50.2
86 61.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 46.26 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

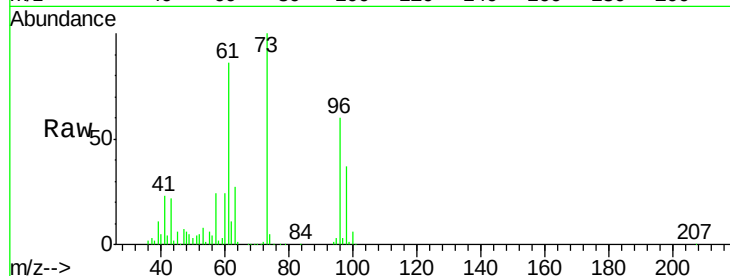
Tgt Ion: 96 Resp: 218734

Ion Ratio Lower Upper

96 100

61 142.2 113.0 169.4

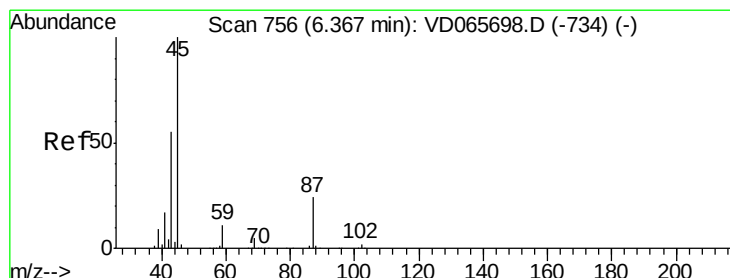
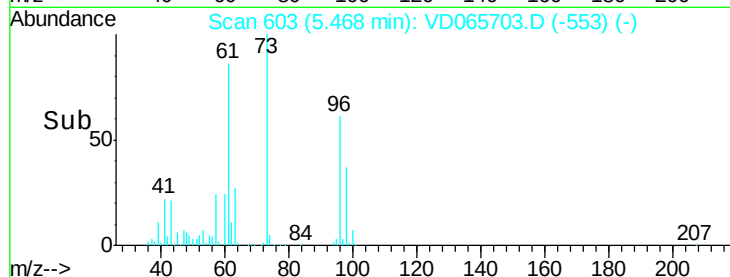
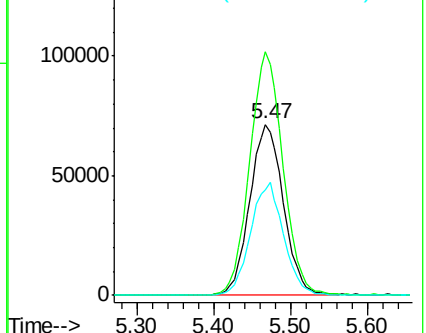
98 61.4 49.5 74.3



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: 44.34 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Tgt Ion: 45 Resp: 678880

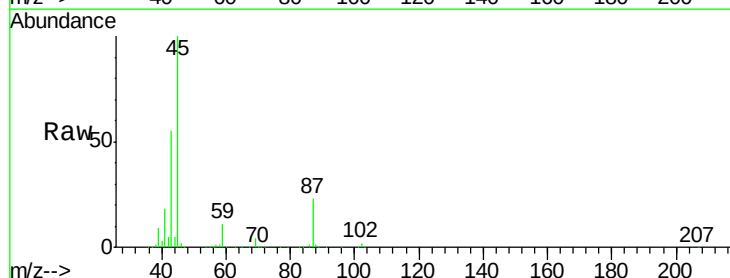
Ion Ratio Lower Upper

45 100

43 54.8 44.2 66.4

87 23.3 19.0 28.4

59 10.5 8.6 13.0

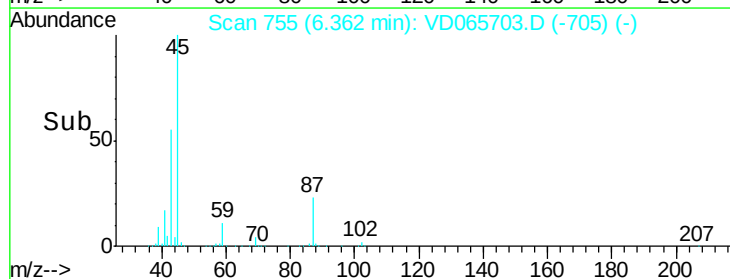
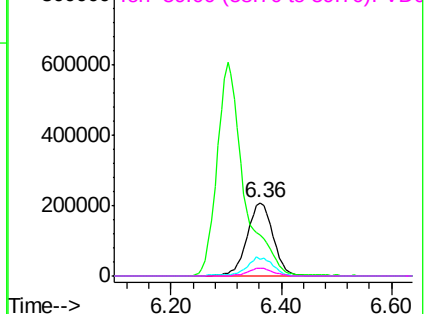


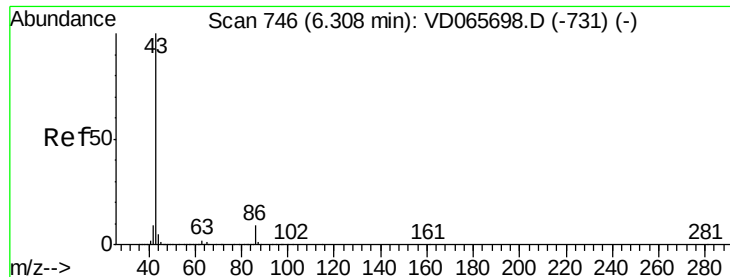
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 220.40 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

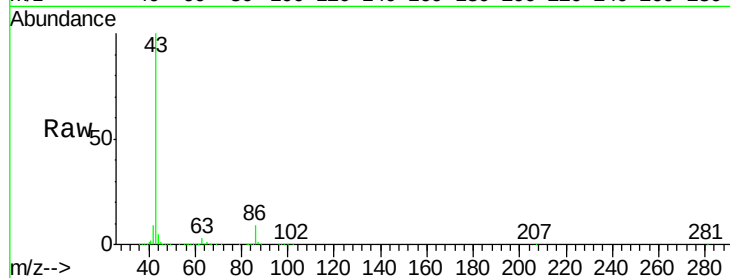
VSTDCCC050

Tgt Ion: 43 Resp: 2038124

Ion Ratio Lower Upper

43 100

86 9.5 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

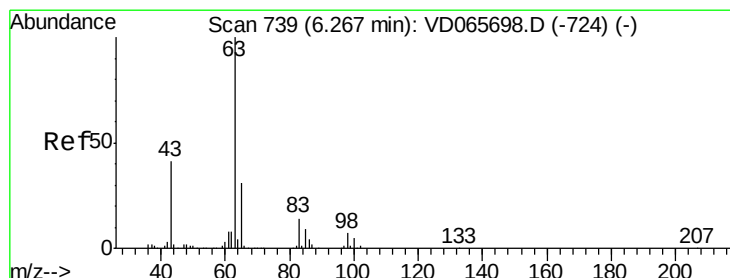
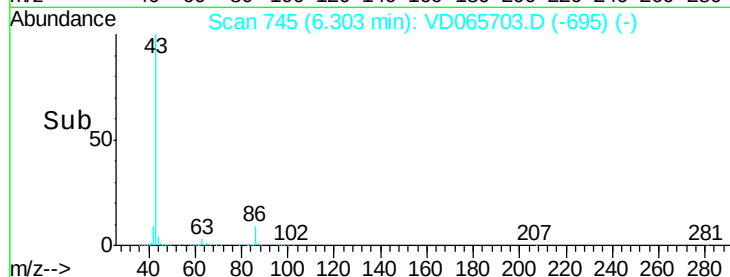
6.30

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 44.80 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

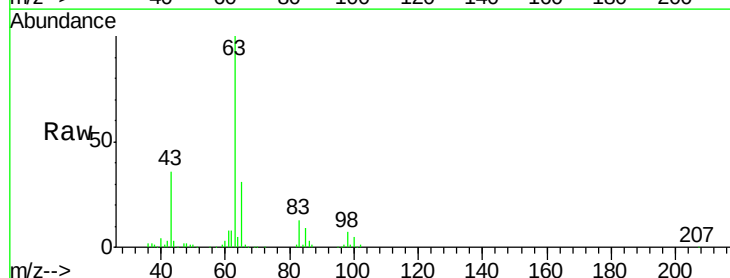
Tgt Ion: 63 Resp: 375731

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.2

100 4.6 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

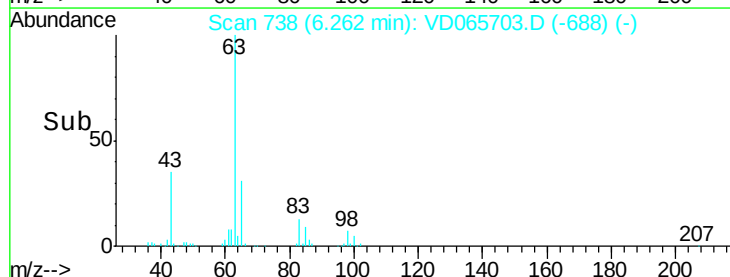
150000

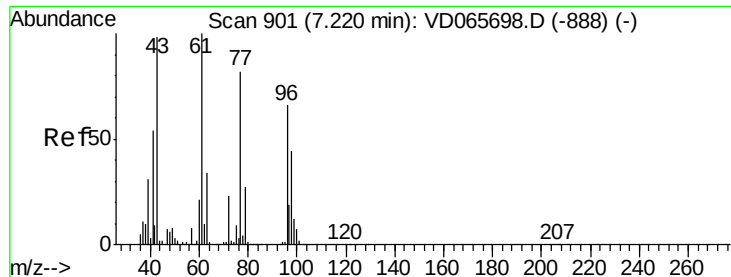
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 236.83 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

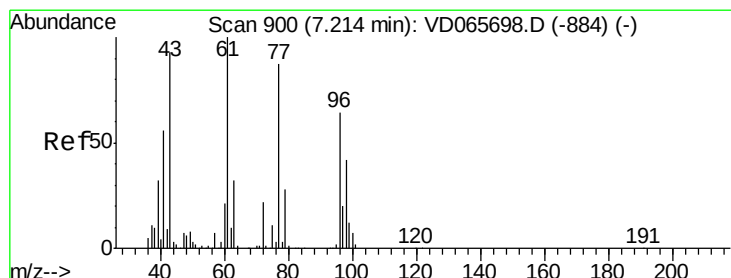
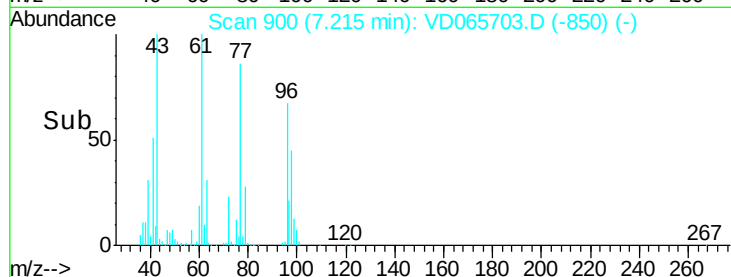
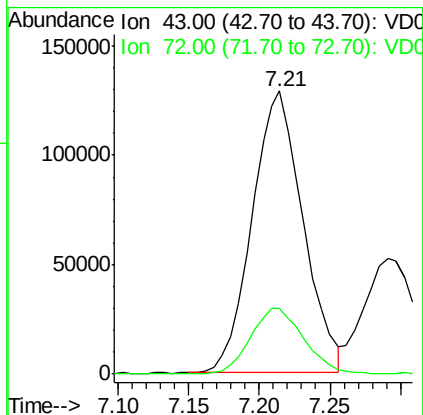
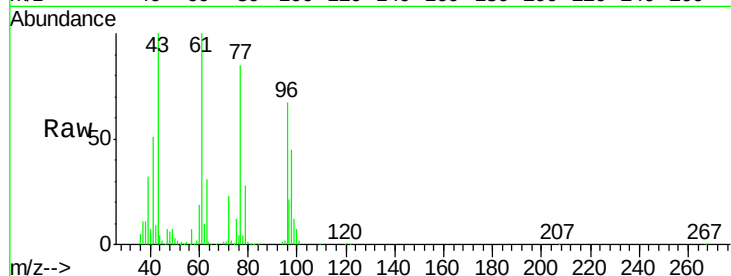
VSTDCCC050

Tgt Ion: 43 Resp: 325303

Ion Ratio Lower Upper

43 100

72 23.2 19.2 28.8



#26

2,2-Dichloropropane

Concen: 45.92 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065703.D

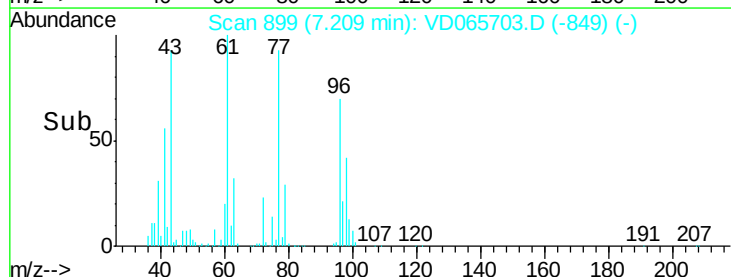
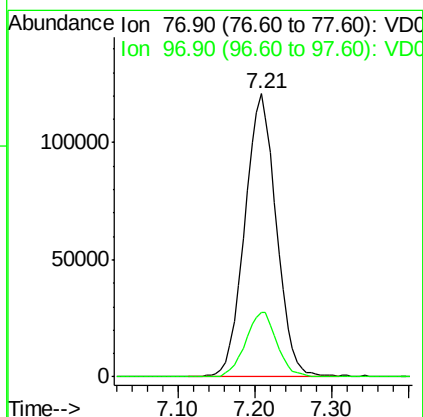
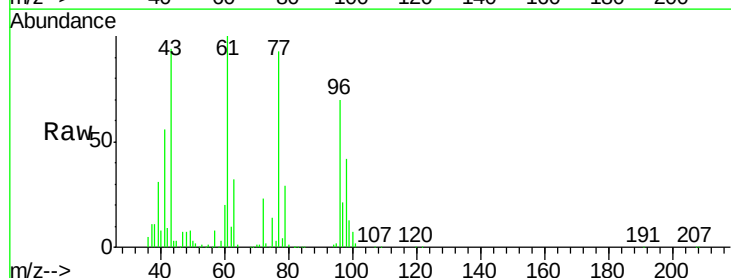
Acq: 07 May 2020 10:23

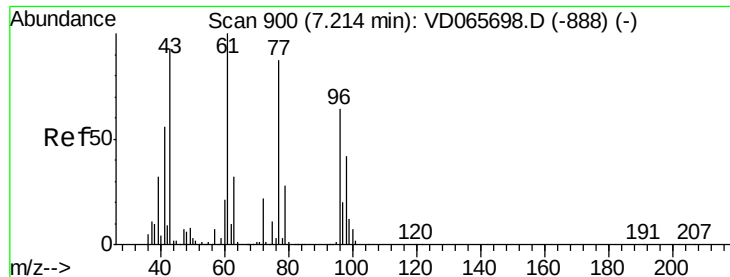
Tgt Ion: 77 Resp: 346789

Ion Ratio Lower Upper

77 100

97 22.7 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 46.91 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

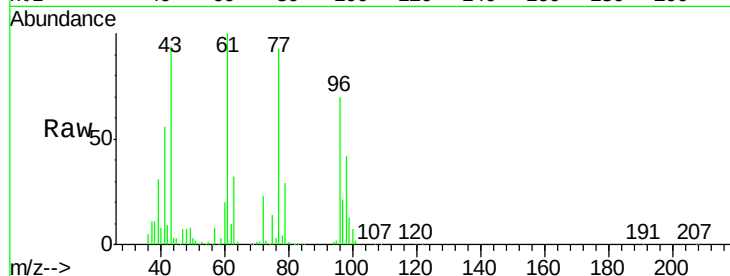
Tgt Ion: 96 Resp: 240654

Ion Ratio Lower Upper

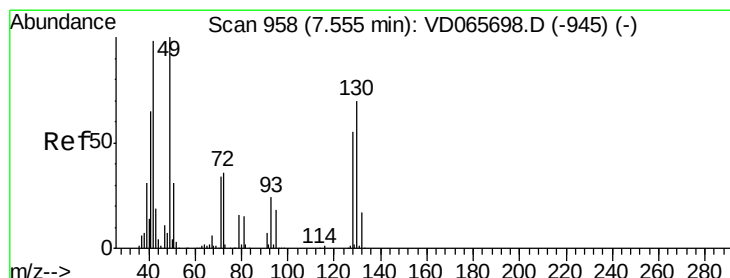
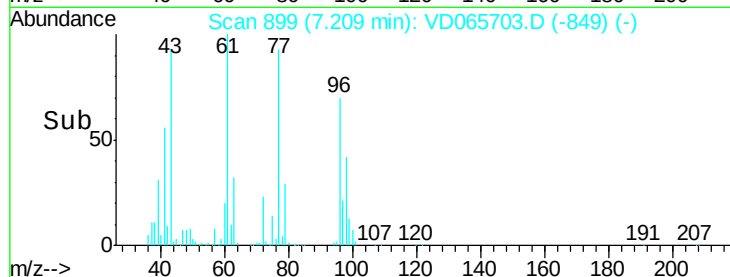
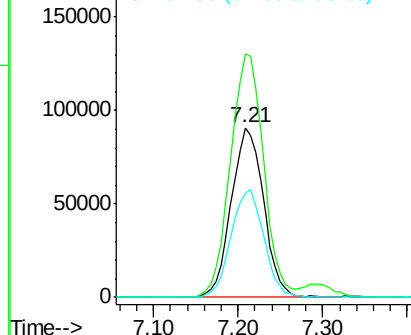
96 100

61 147.2 0.0 306.6

98 64.2 0.0 129.4



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



#28

Bromochloromethane

Concen: 50.49 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

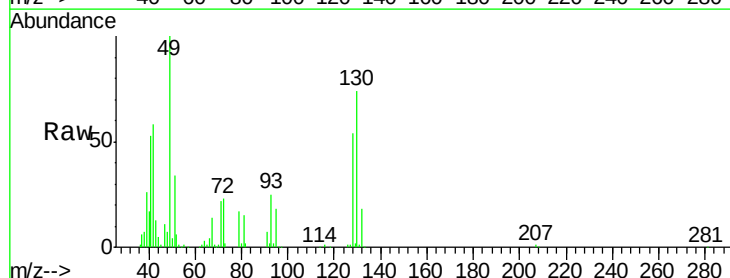
Tgt Ion: 49 Resp: 176622

Ion Ratio Lower Upper

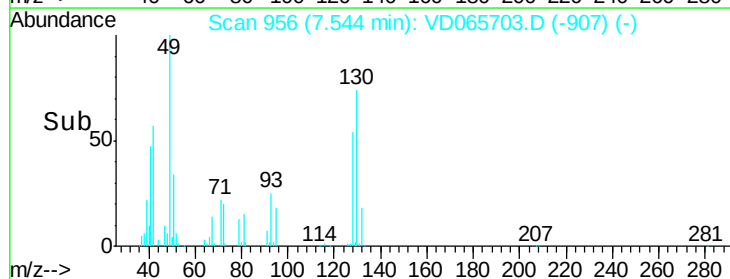
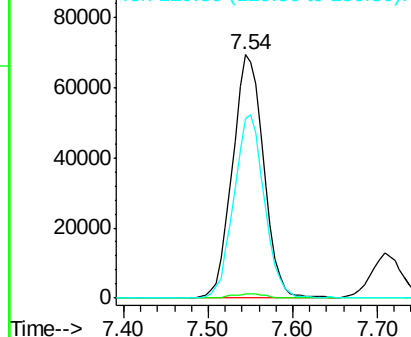
49 100

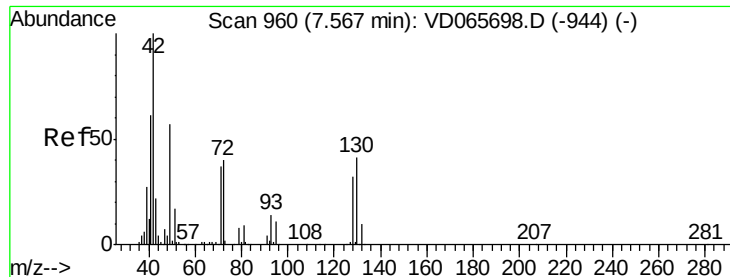
129 1.9 0.0 3.8

130 73.6 56.4 84.6



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





#29

Tetrahydrofuran

Concen: 213.75 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

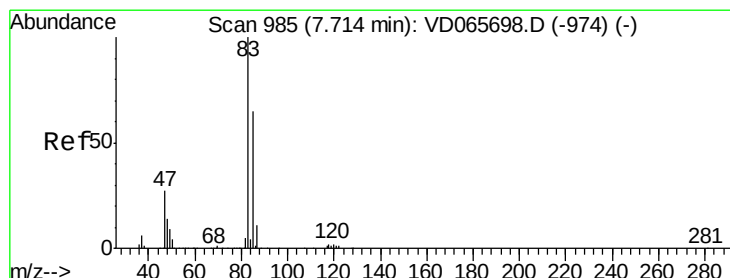
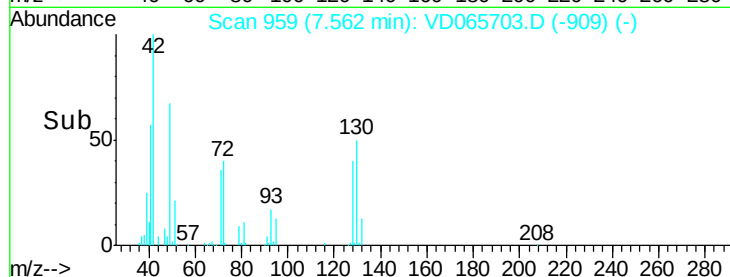
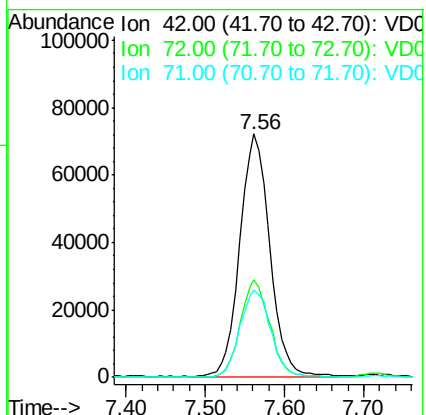
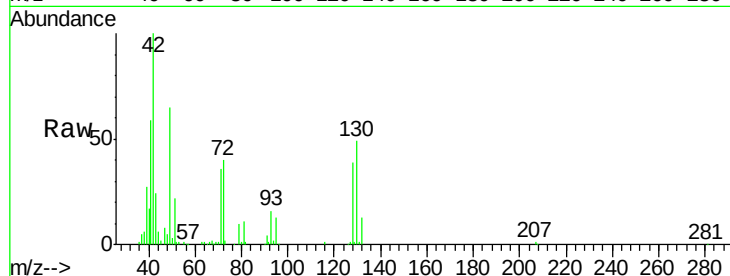
Tgt Ion: 42 Resp: 189234

Ion Ratio Lower Upper

42 100

72 39.6 30.4 45.6

71 37.0 28.0 42.0



#30

Chloroform

Concen: 45.70 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD065703.D

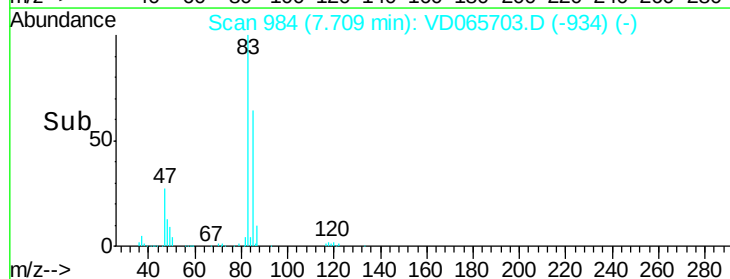
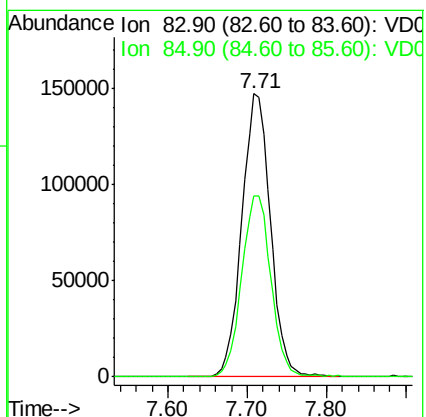
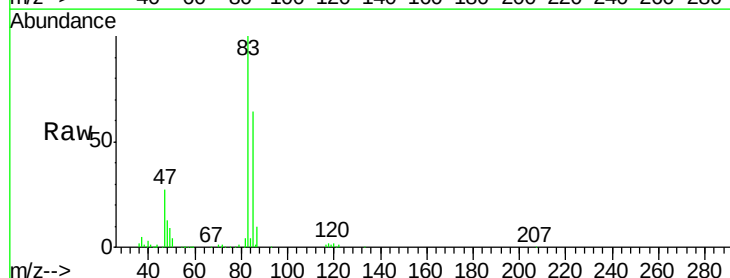
Acq: 07 May 2020 10:23

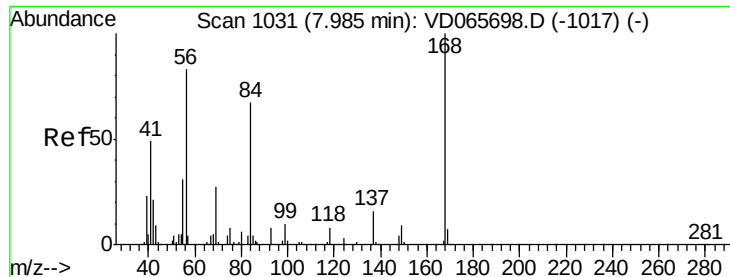
Tgt Ion: 83 Resp: 368887

Ion Ratio Lower Upper

83 100

85 63.7 52.1 78.1

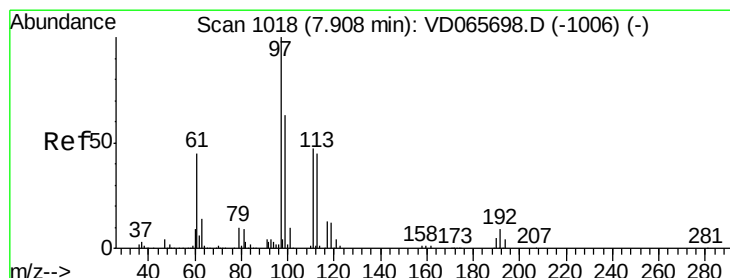
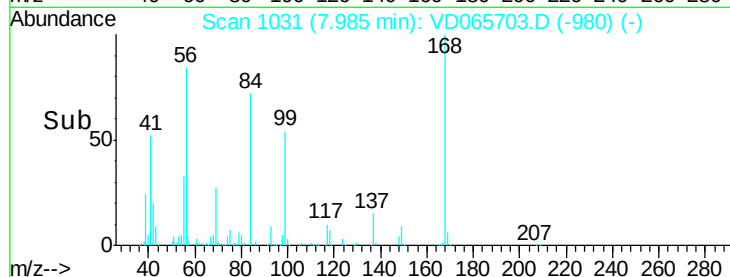
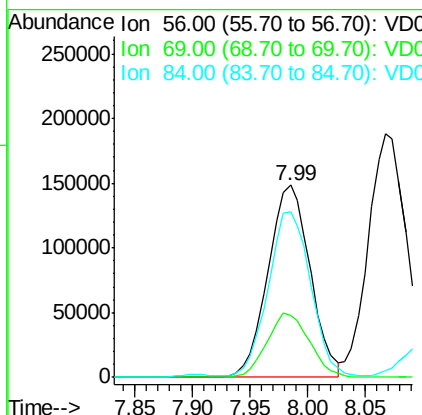
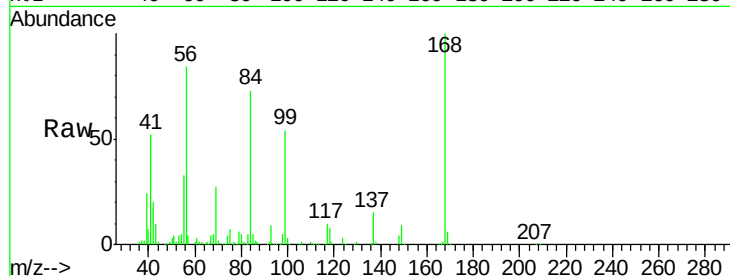




#31
Cyclohexane
Concen: 43.58 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

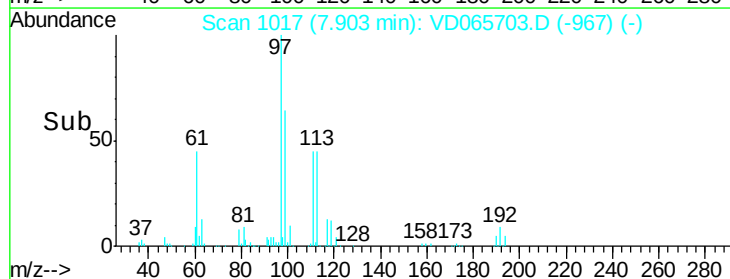
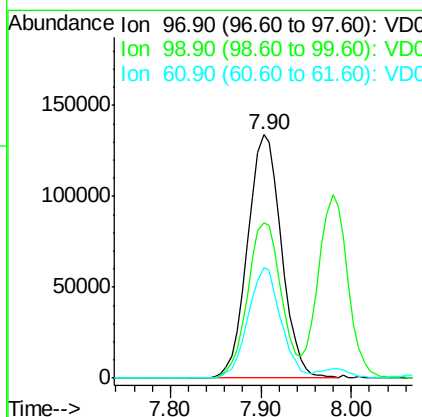
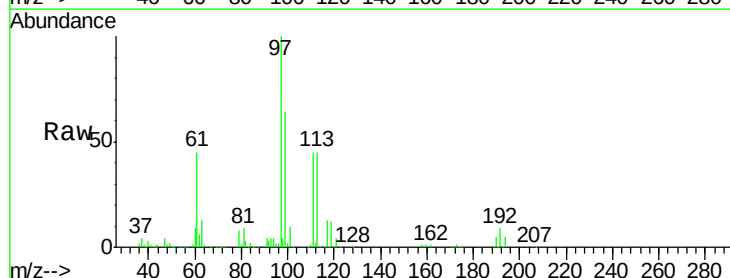
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

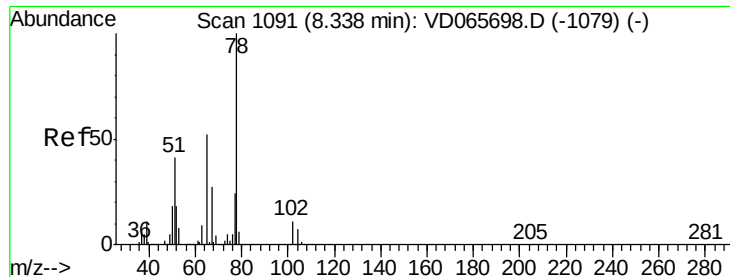
Tgt Ion: 56 Resp: 378216
Ion Ratio Lower Upper
56 100
69 32.4 26.3 39.5
84 84.7 64.5 96.7



#32
1,1,1-Trichloroethane
Concen: 46.45 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Tgt Ion: 97 Resp: 347532
Ion Ratio Lower Upper
97 100
99 63.9 50.8 76.2
61 43.8 36.0 54.0





#33

1,2-Dichloroethane-d4

Concen: 47.53 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

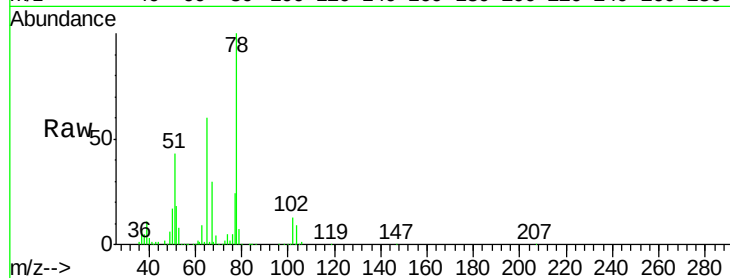
VSTDCCC050

Tgt Ion: 65 Resp: 206131

Ion Ratio Lower Upper

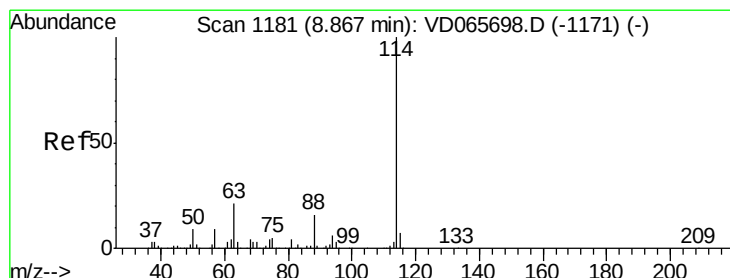
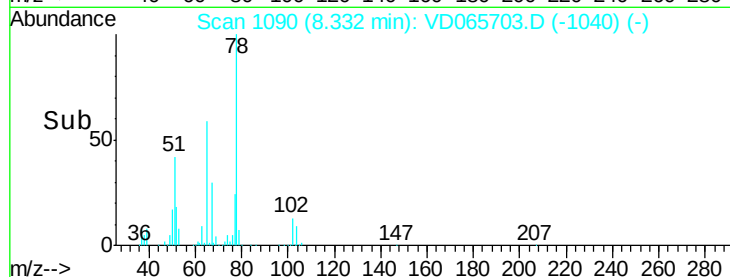
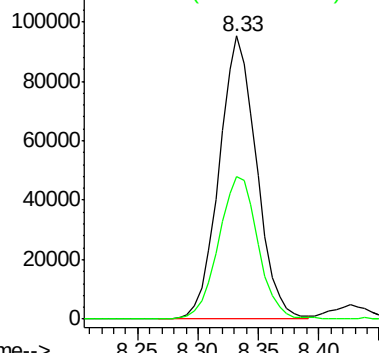
65 100

67 53.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

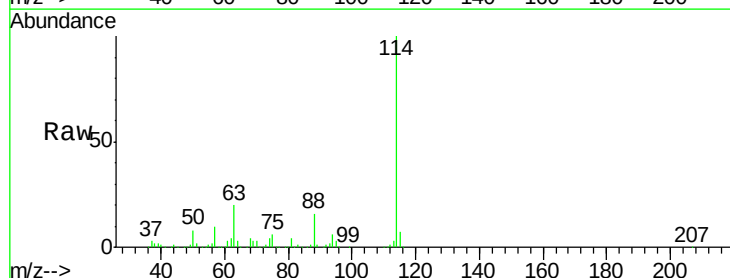
Tgt Ion: 114 Resp: 653091

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

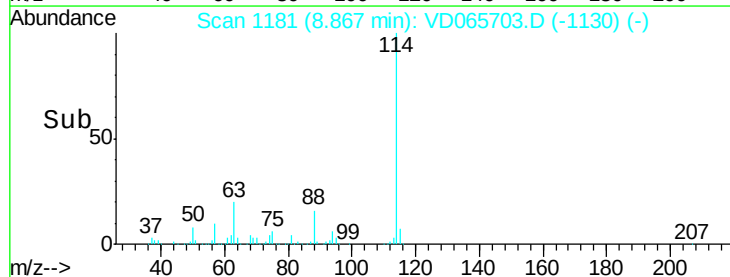
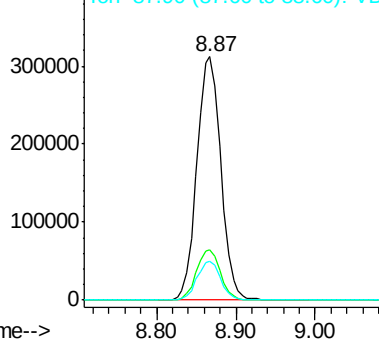
88 16.1 0.0 32.6

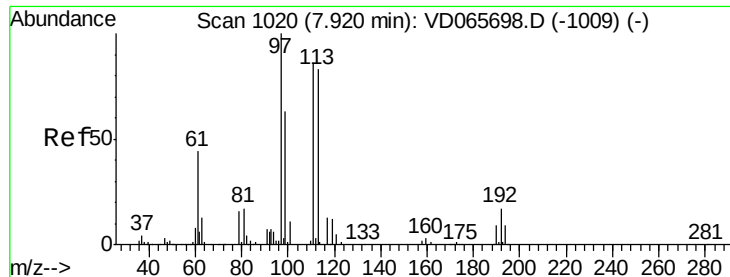


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

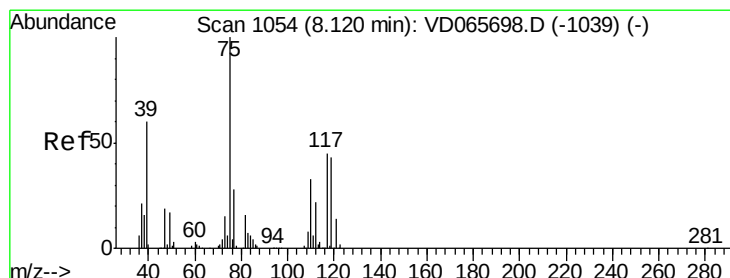
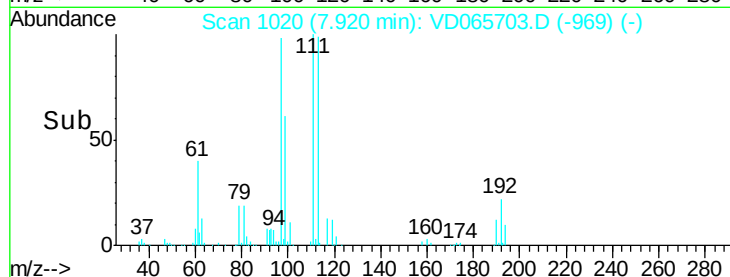
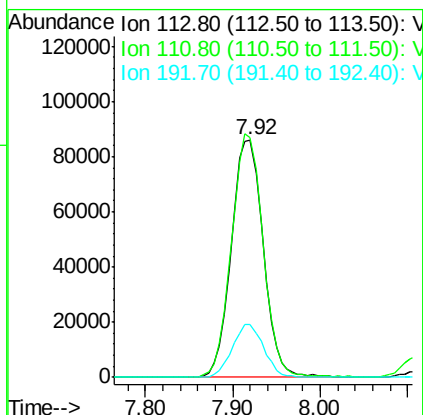
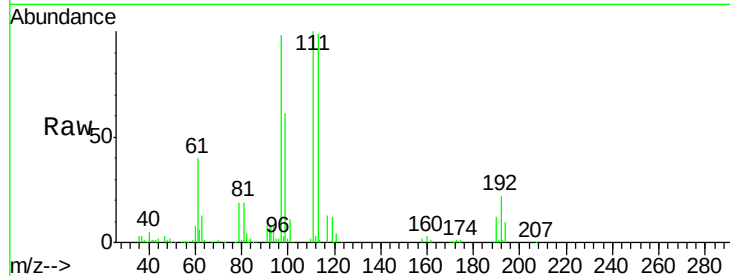




#35
 Dibromofluoromethane
 Concen: 52.20 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

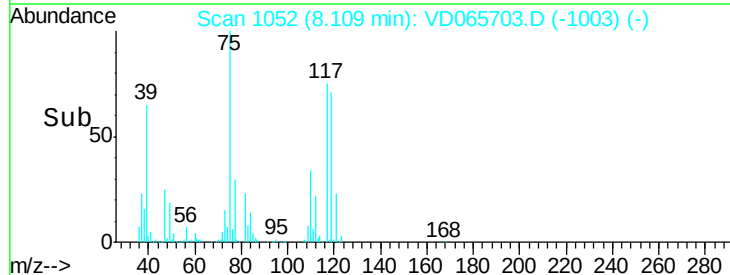
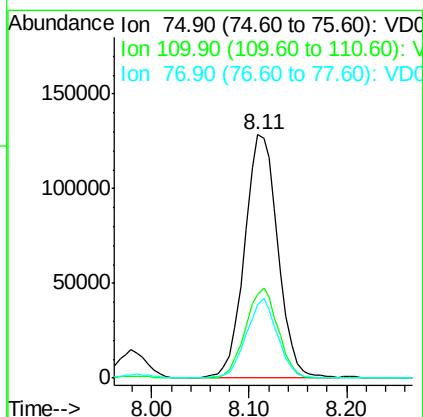
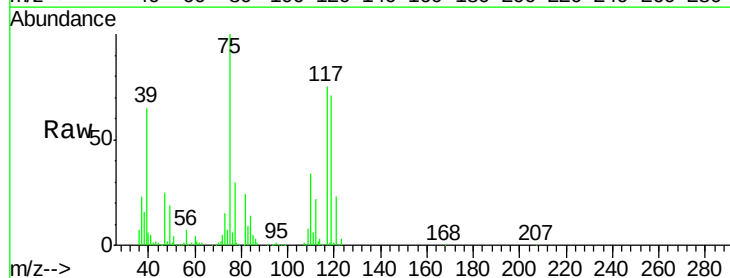
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

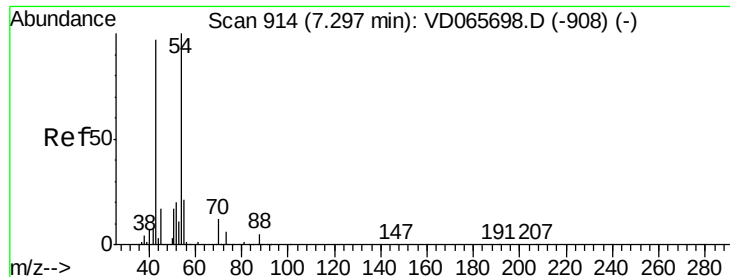
Tgt Ion: 113 Resp: 213072
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.7 124.1
 192 21.7 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 47.11 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

Tgt Ion: 75 Resp: 305543
 Ion Ratio Lower Upper
 75 100
 110 36.3 17.2 51.6
 77 30.8 23.7 35.5

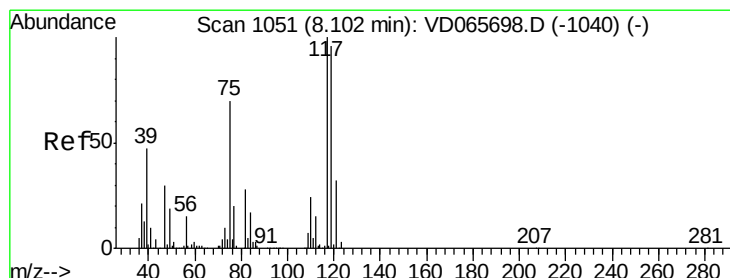
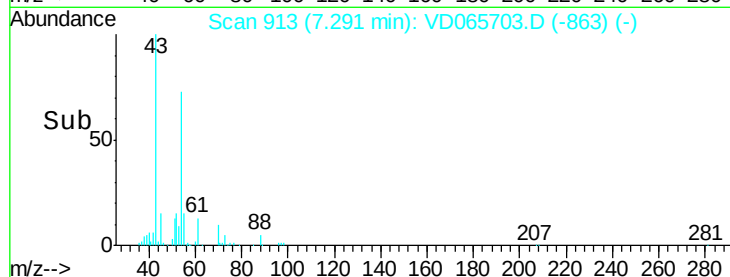
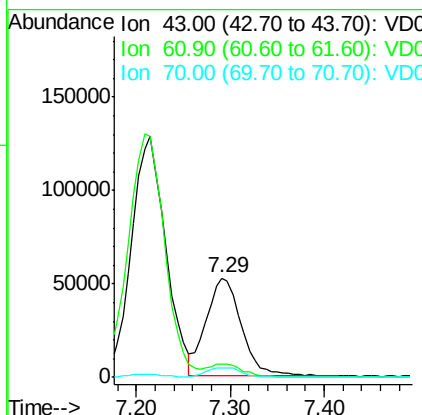
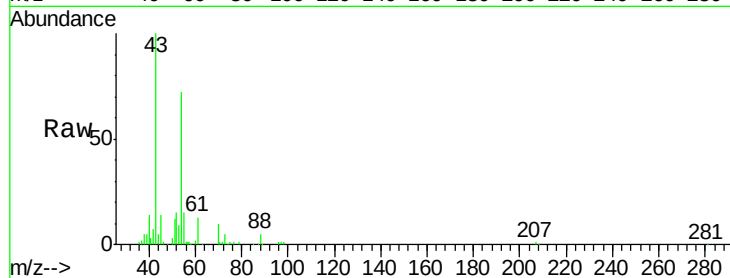




#37
Ethyl Acetate
Concen: 44.36 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

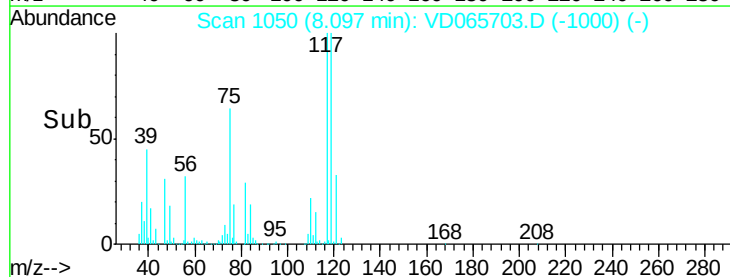
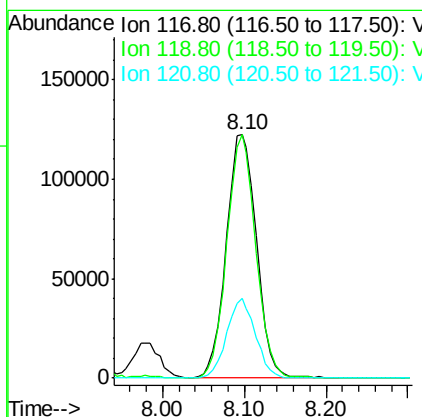
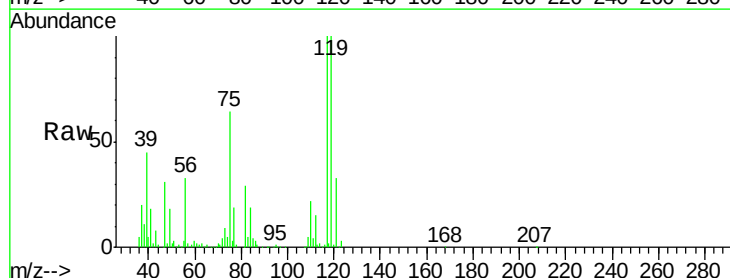
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

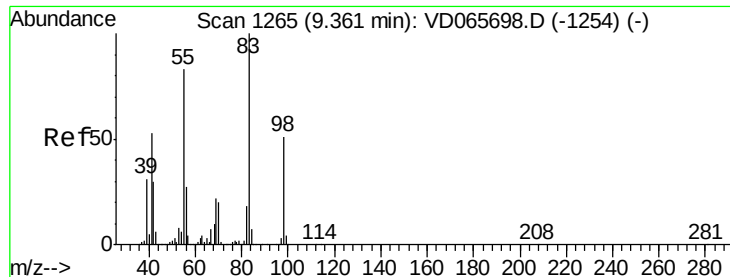
Tgt Ion: 43 Resp: 138552
Ion Ratio Lower Upper
43 100
61 12.8 9.9 14.9
70 9.5 7.3 10.9



#38
Carbon Tetrachloride
Concen: 48.90 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Tgt Ion: 117 Resp: 314433
Ion Ratio Lower Upper
117 100
119 100.0 77.1 115.7
121 32.5 25.5 38.3

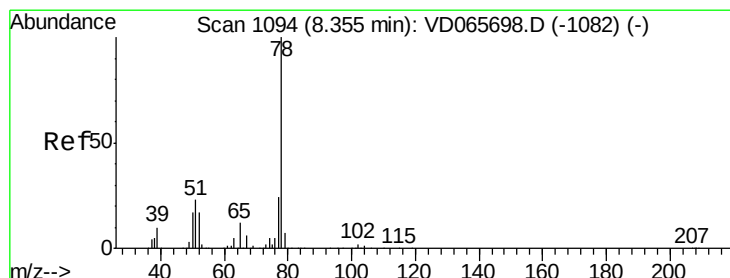
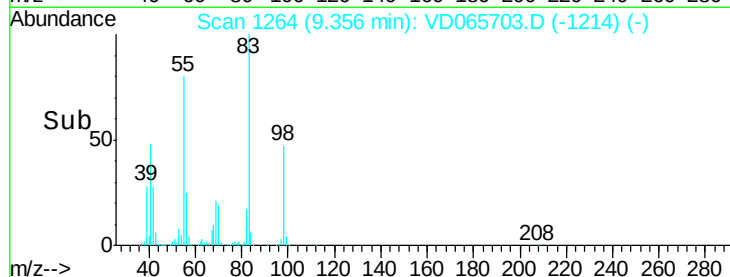
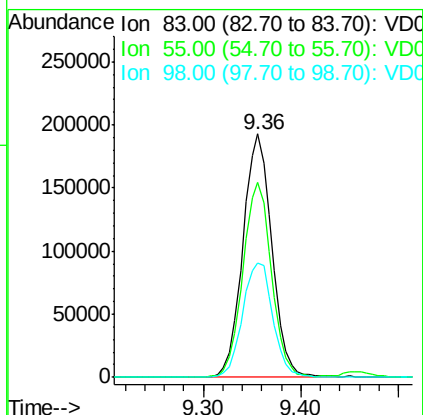
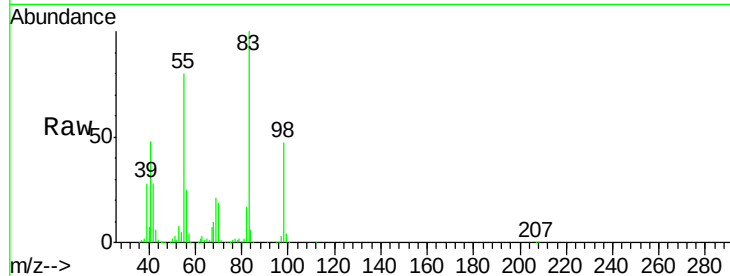




#39
Methylcyclohexane
Concen: 49.25 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

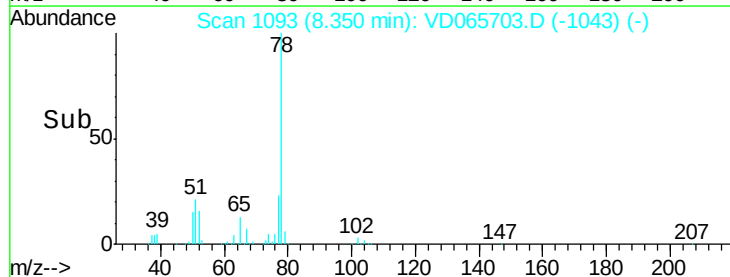
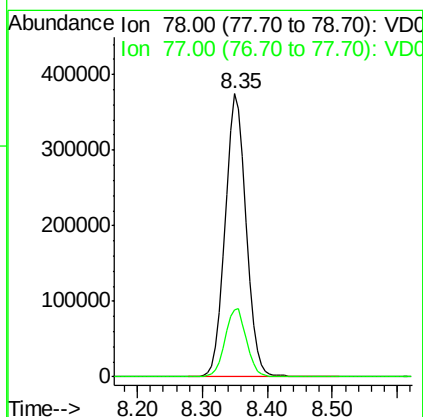
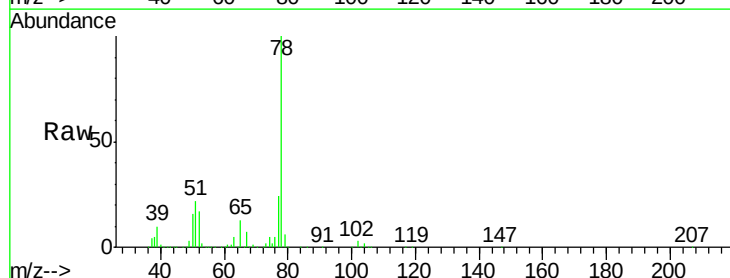
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

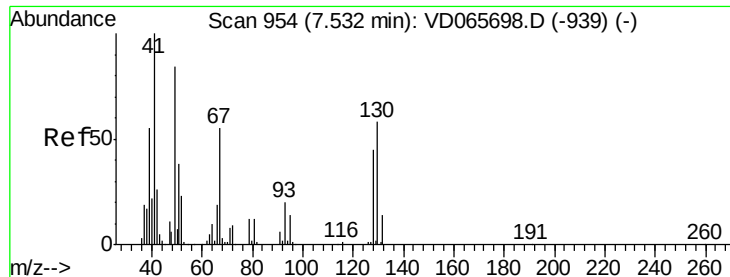
Tgt Ion: 83 Resp: 401061
Ion Ratio Lower Upper
83 100
55 80.1 66.0 99.0
98 47.1 41.0 61.4



#40
Benzene
Concen: 47.36 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Tgt Ion: 78 Resp: 838858
Ion Ratio Lower Upper
78 100
77 23.5 19.6 29.4

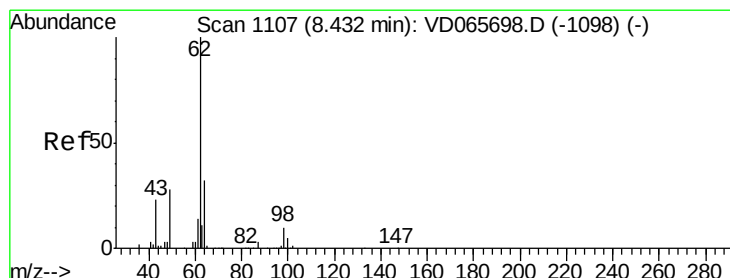
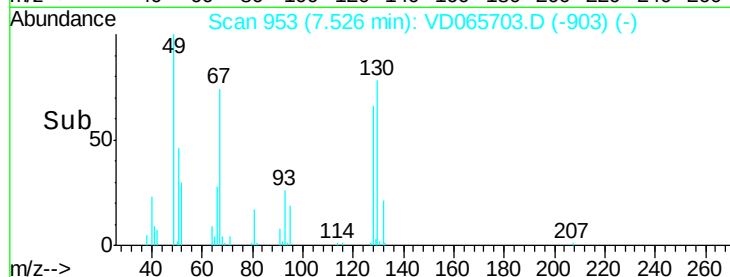
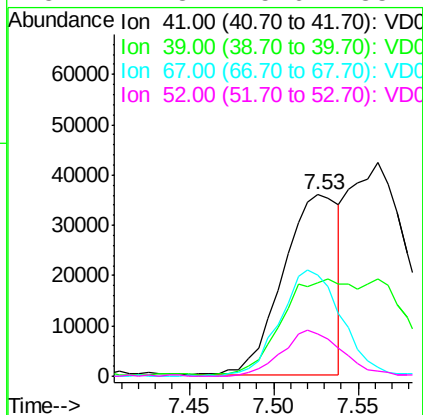
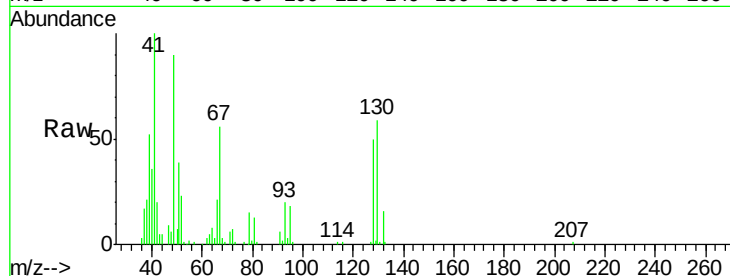




#41
Methacrylonitrile
Concen: 45.42 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

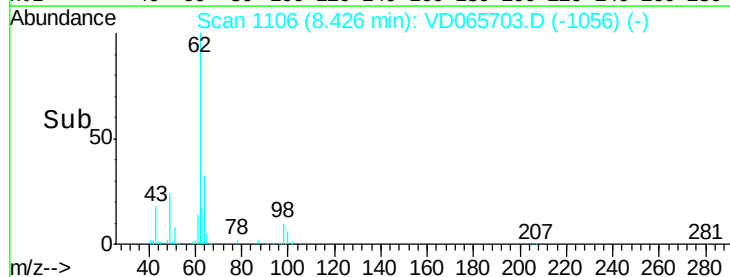
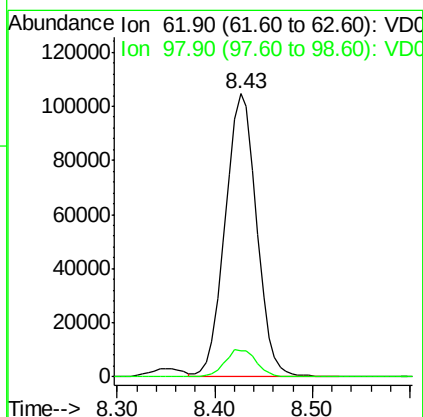
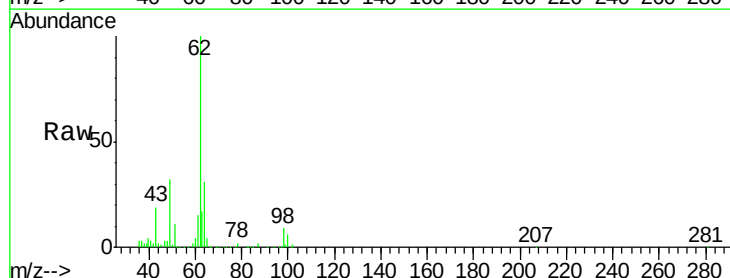
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

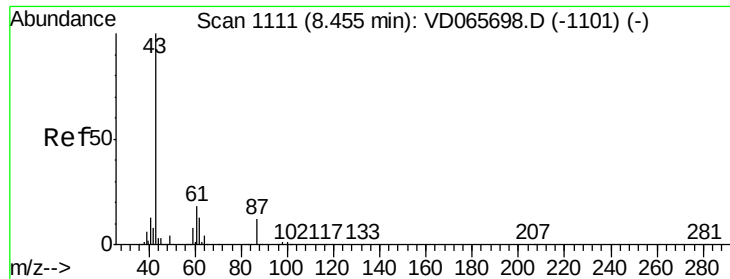
Tgt Ion:	41	Resp:	81825
Ion	Ratio	Lower	Upper
41	100		
39	70.0	52.5	78.7
67	66.3	59.4	89.0
52	27.8	25.6	38.4



#42
1,2-Dichloroethane
Concen: 45.75 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Tgt Ion:	62	Resp:	233181
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.2





#43

Isopropyl Acetate

Concen: 43.97 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

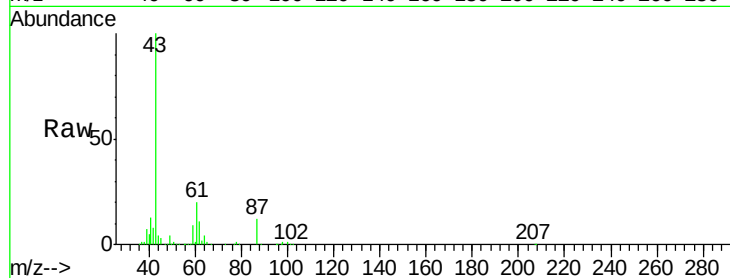
Tgt Ion: 43 Resp: 274615

Ion Ratio Lower Upper

43 100

61 27.7 21.9 32.9

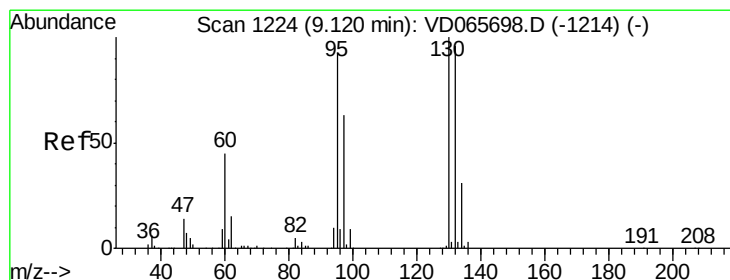
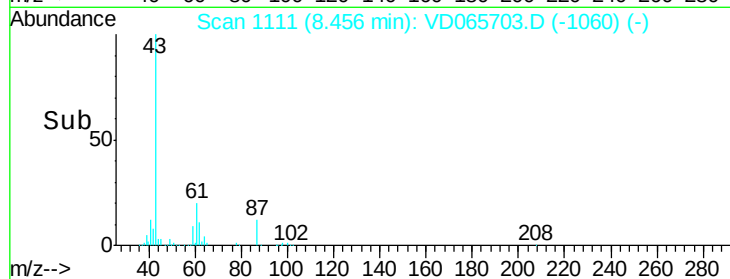
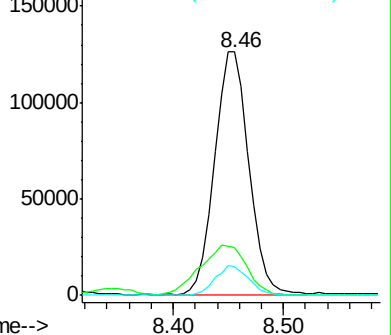
87 11.9 9.4 14.2



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: 49.35 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD065703.D

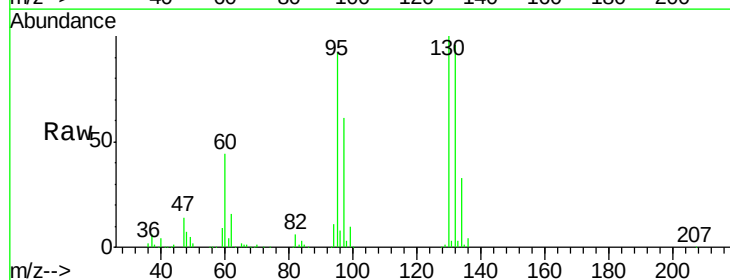
Acq: 07 May 2020 10:23

Tgt Ion: 130 Resp: 240908

Ion Ratio Lower Upper

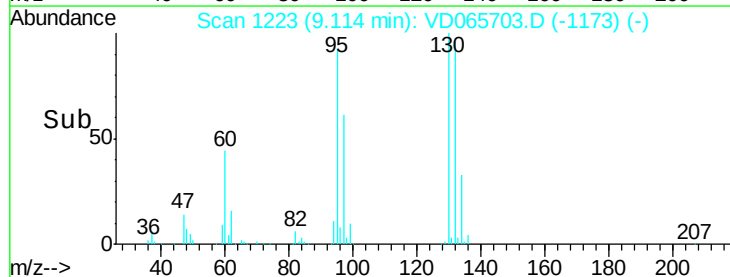
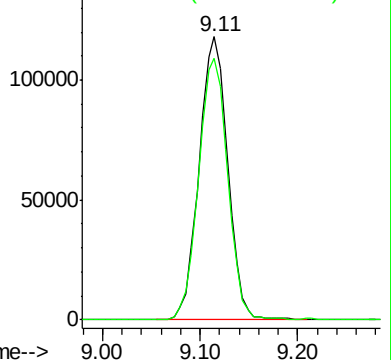
130 100

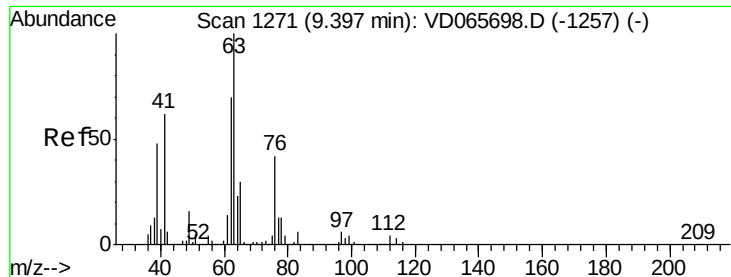
95 92.3 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

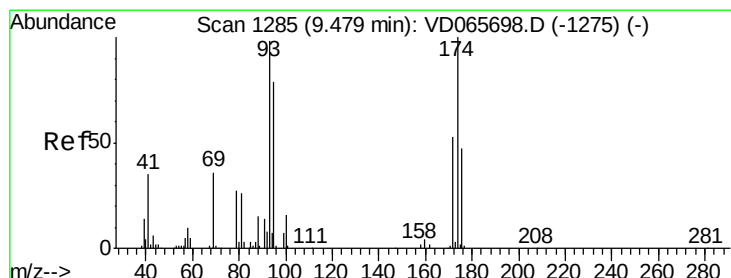
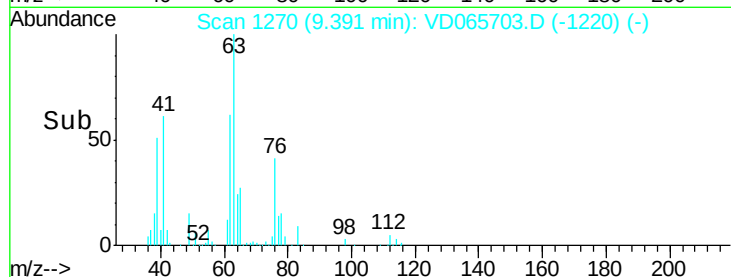
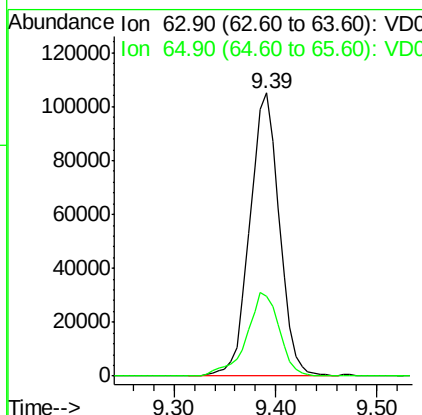
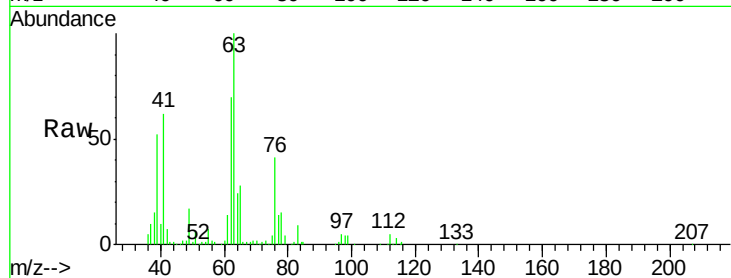




#45
 1,2-Dichloropropane
 Concen: 46.64 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

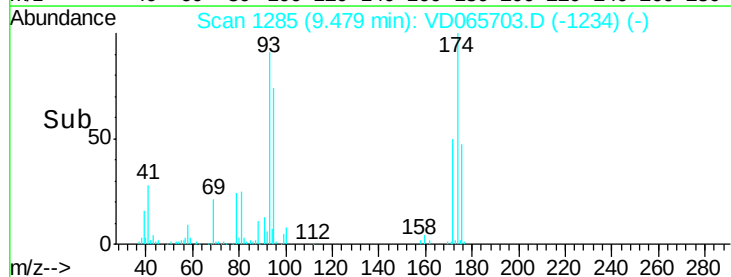
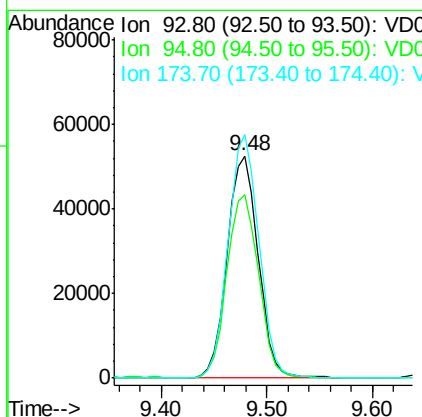
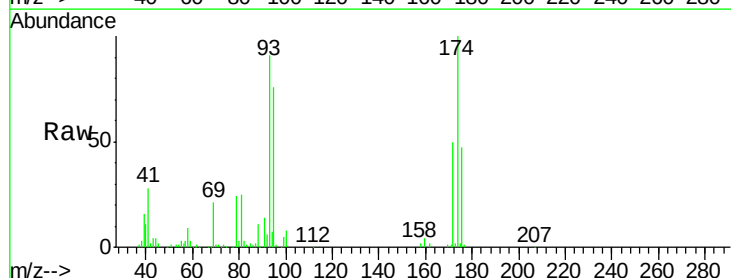
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

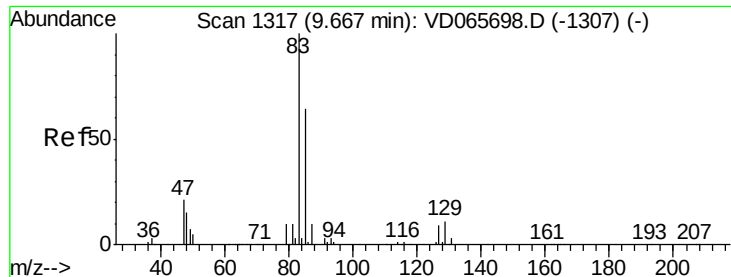
Tgt Ion: 63 Resp: 213651
 Ion Ratio Lower Upper
 63 100
 65 28.1 24.1 36.1



#46
 Dibromomethane
 Concen: 46.60 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

Tgt Ion: 93 Resp: 107074
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.3 97.9
 174 108.8 82.7 124.1





#47

Bromodichloromethane

Concen: 46.82 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

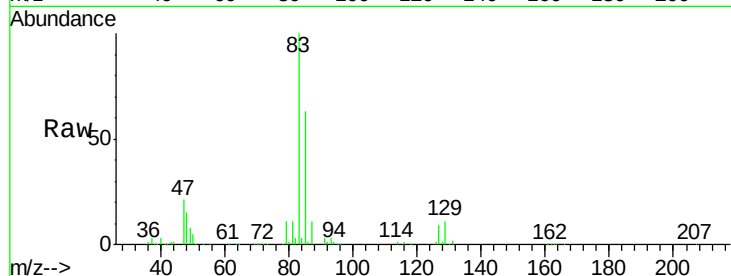
Tgt Ion: 83 Resp: 287718

Ion Ratio Lower Upper

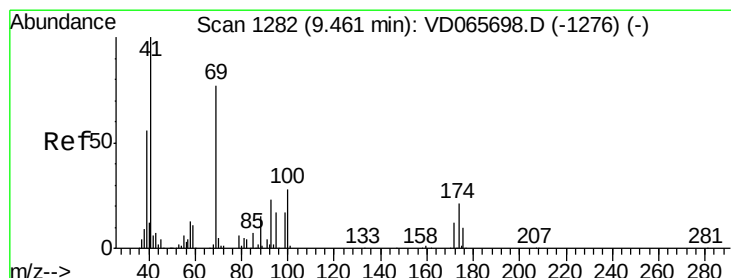
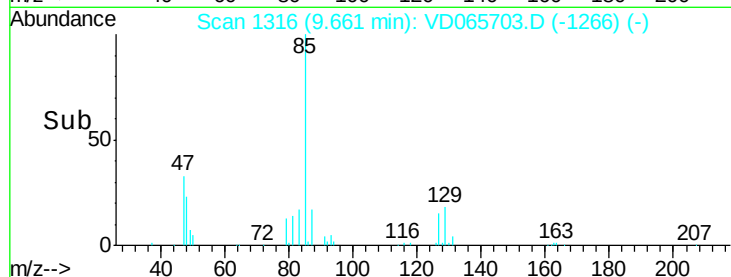
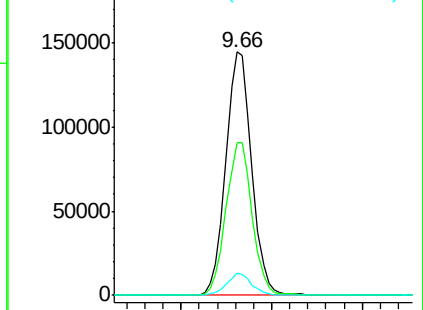
83 100

85 63.0 50.9 76.3

127 9.3 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): V



#48

Methyl methacrylate

Concen: 43.26 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

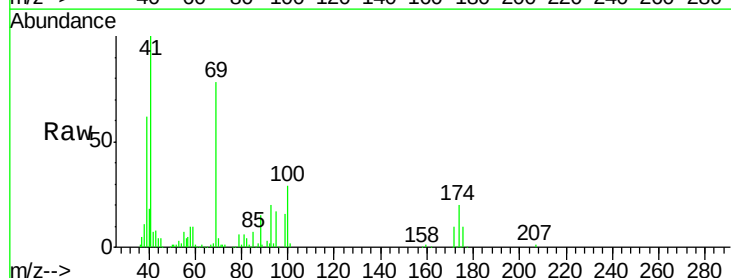
Tgt Ion: 41 Resp: 135294

Ion Ratio Lower Upper

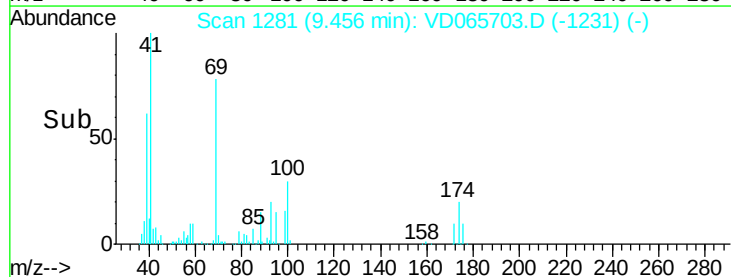
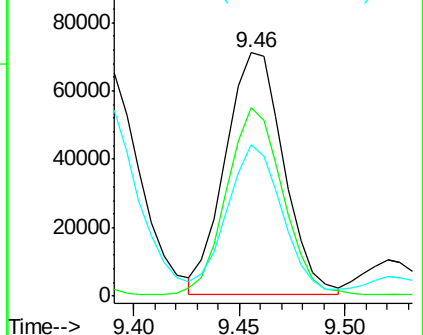
41 100

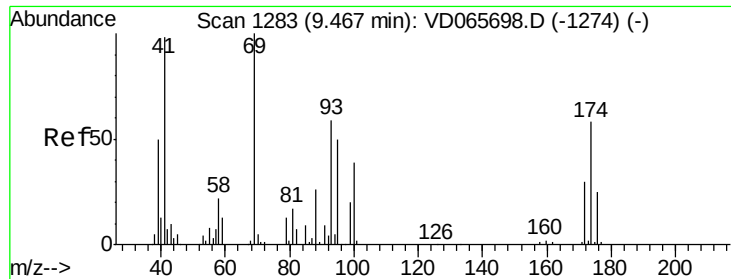
69 74.7 58.2 87.2

39 53.9 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

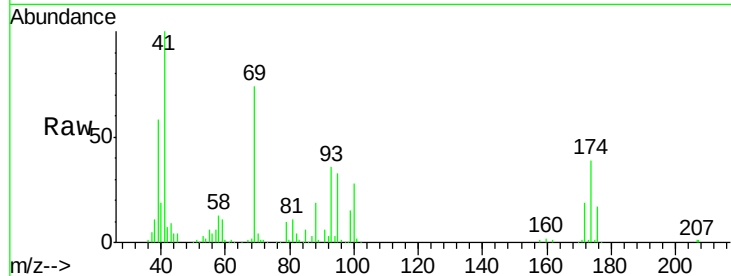




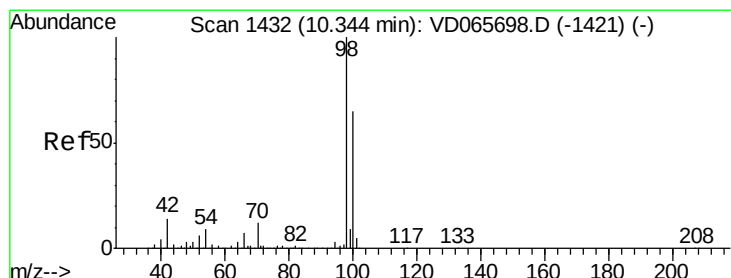
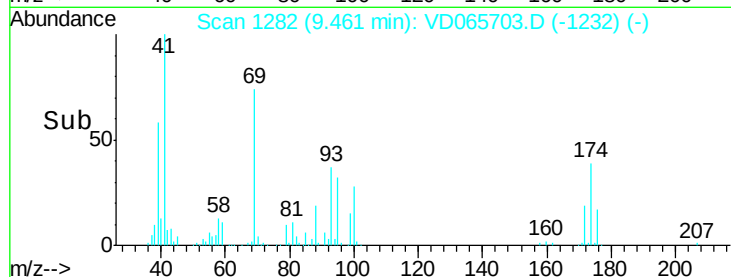
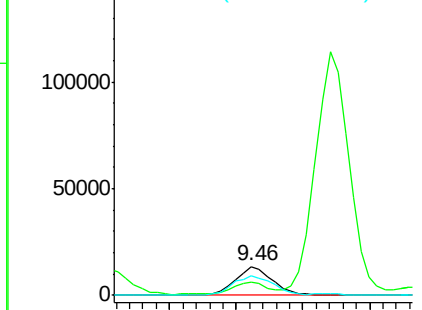
#49
1,4-Dioxane
Concen: 916.80 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 25823
Ion Ratio Lower Upper
88 100
43 40.2 31.6 47.4
58 74.1 60.2 90.4

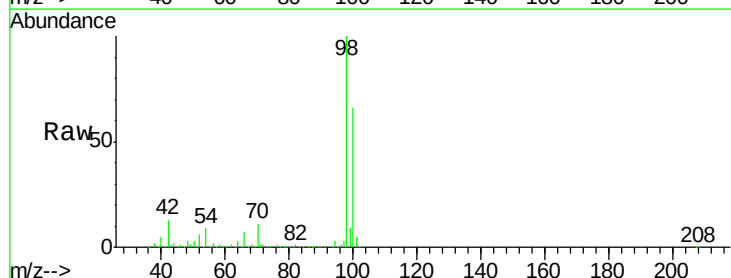


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

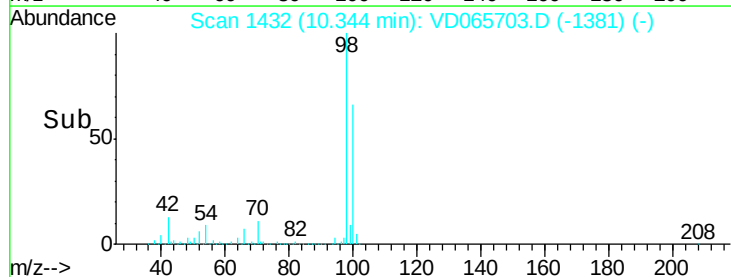
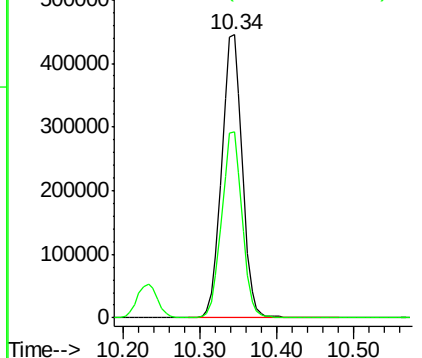


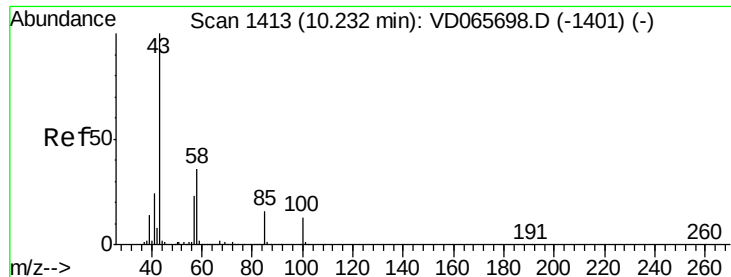
#50
Toluene-d8
Concen: 52.57 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Tgt Ion: 98 Resp: 824046
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



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

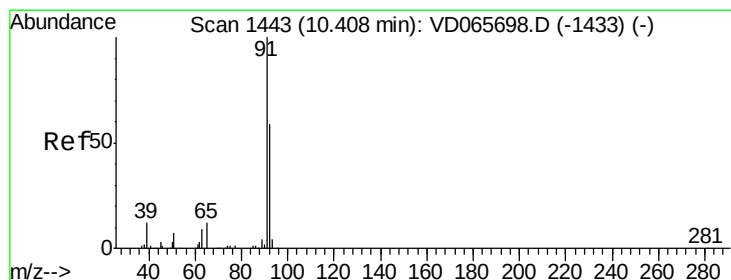
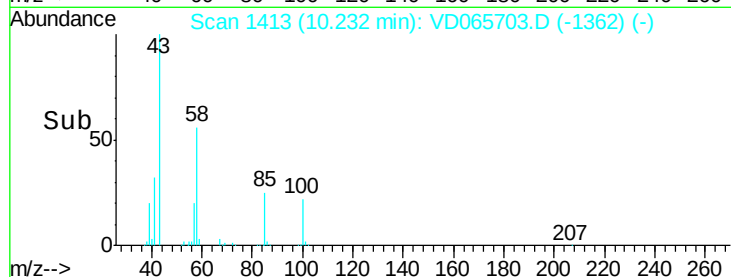
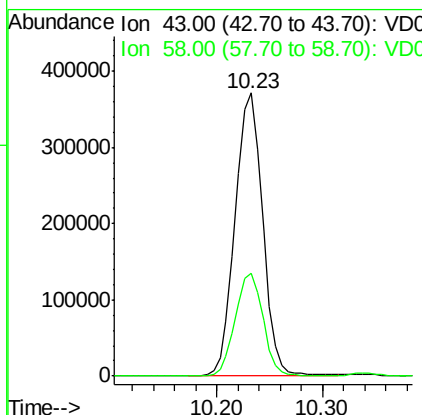
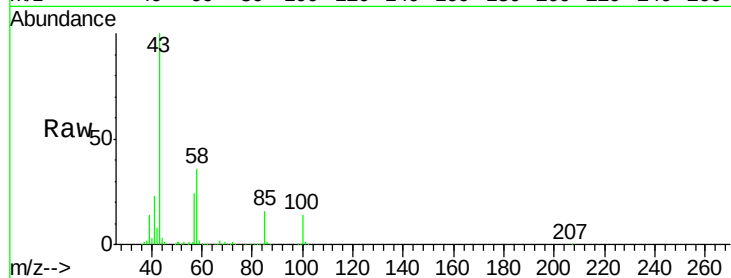




#51
 4-Methyl-2-Pentanone
 Concen: 222.87 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

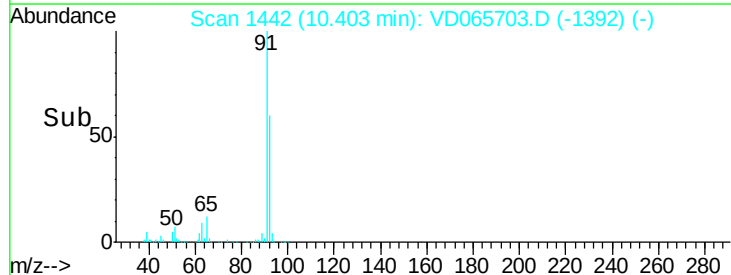
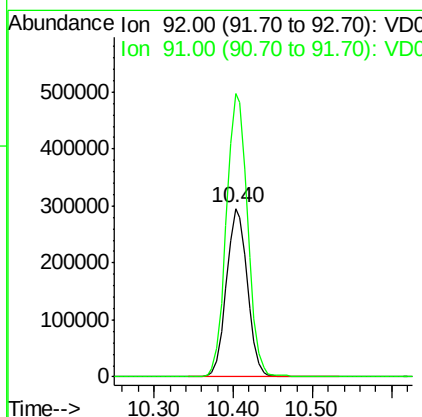
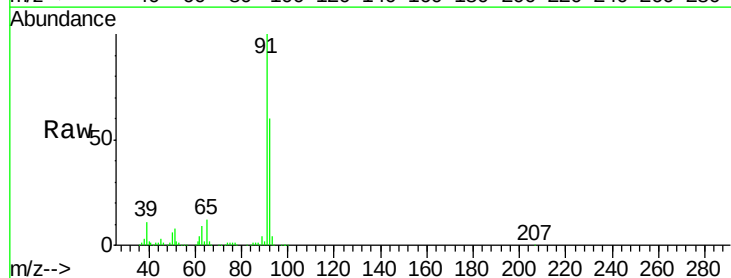
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

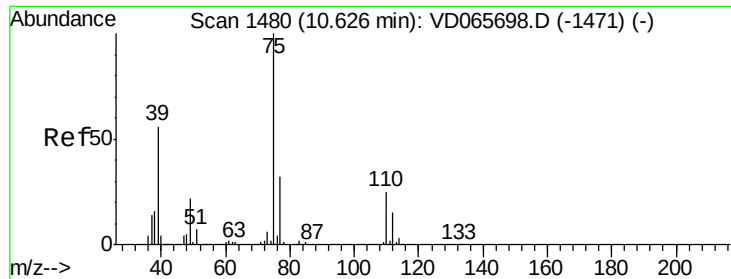
Tgt Ion: 43 Resp: 670802
 Ion Ratio Lower Upper
 43 100
 58 36.7 28.6 42.8



#52
 Toluene
 Concen: 48.25 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

Tgt Ion: 92 Resp: 540498
 Ion Ratio Lower Upper
 92 100
 91 170.7 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 46.64 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

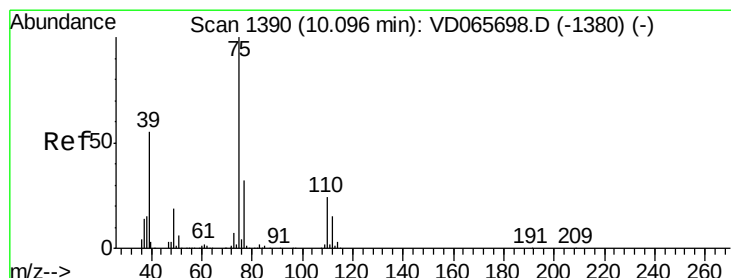
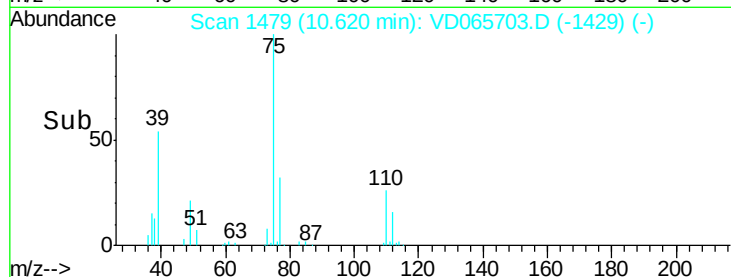
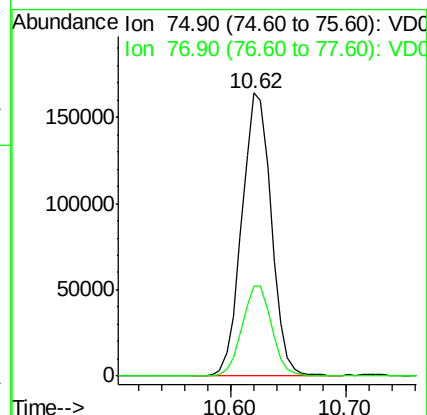
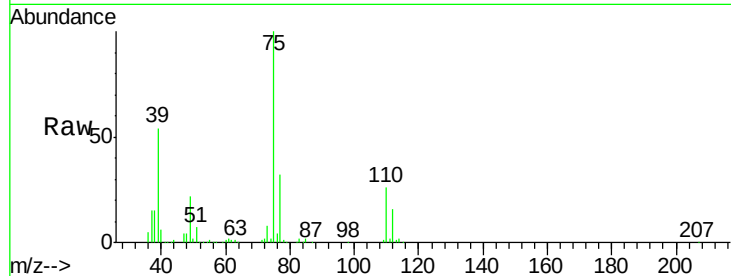
VSTDCCC050

Tgt Ion: 75 Resp: 290277

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 47.20 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

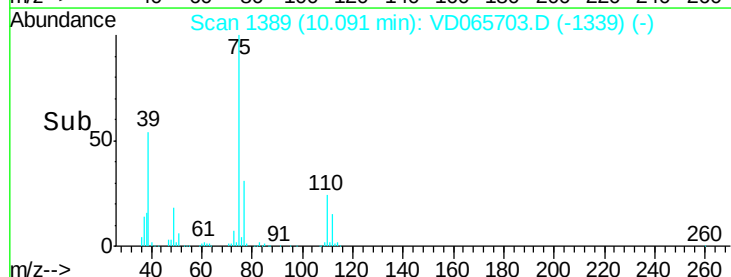
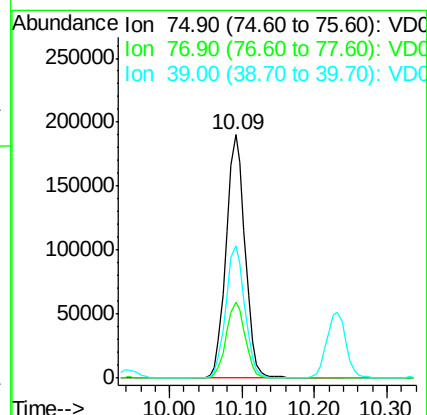
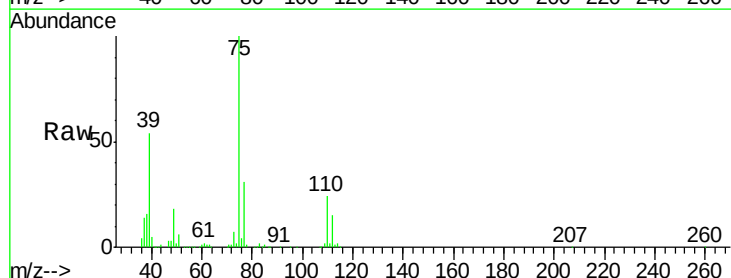
Tgt Ion: 75 Resp: 346081

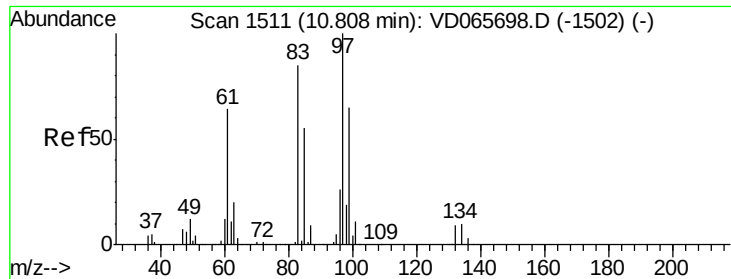
Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.8

39 53.9 44.4 66.6





#55

1,1,2-Trichloroethane

Concen: 47.33 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 146607

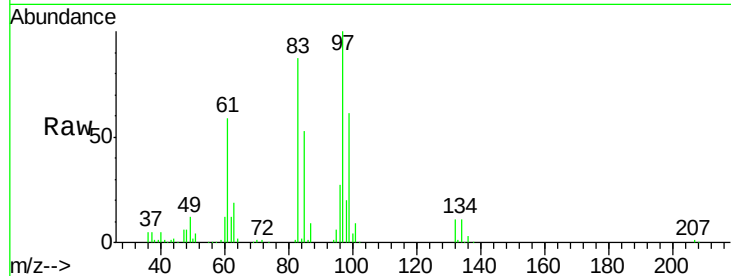
Ion Ratio Lower Upper

97 100

83 86.7 68.2 102.4

85 53.5 43.6 65.4

99 61.3 52.2 78.4



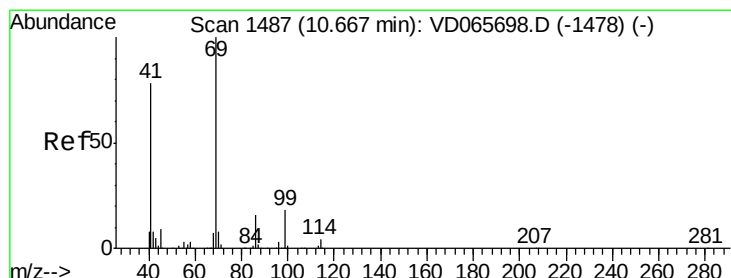
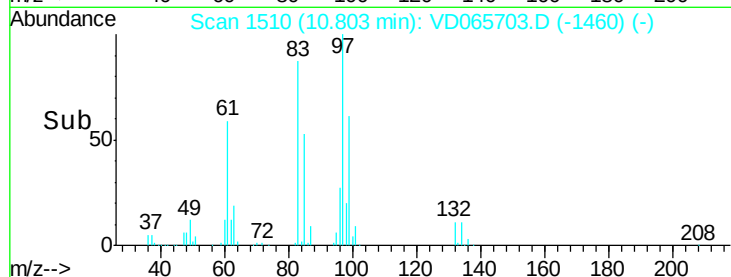
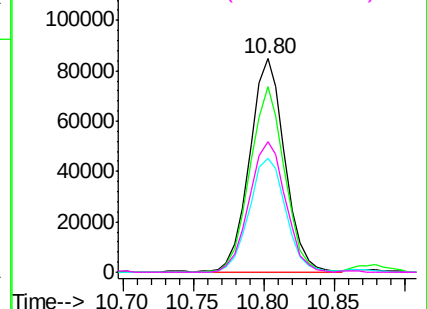
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 45.94 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

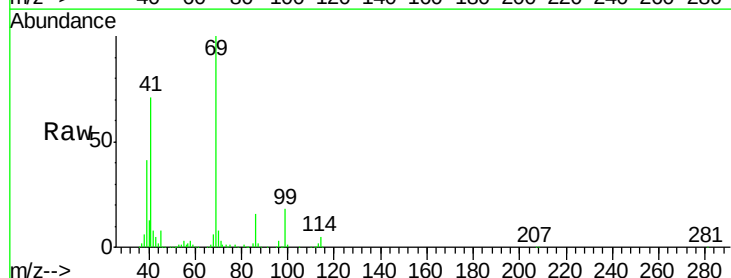
Tgt Ion: 69 Resp: 205491

Ion Ratio Lower Upper

69 100

41 73.8 61.4 92.0

39 40.8 32.7 49.1

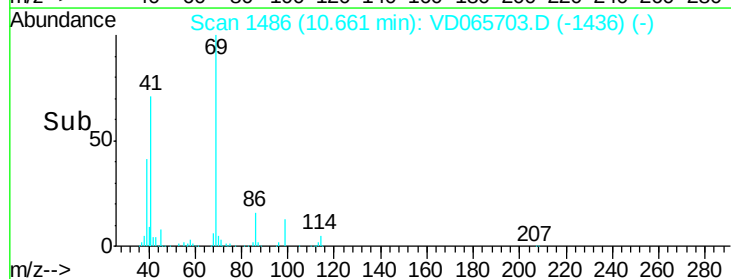
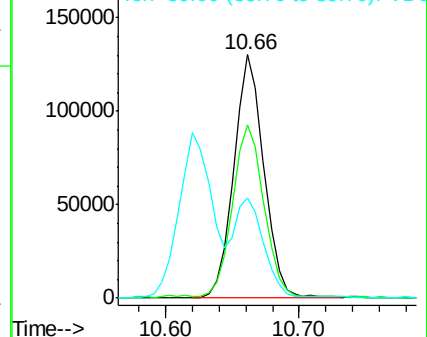


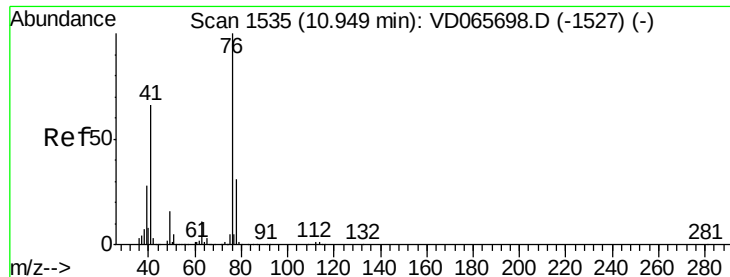
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

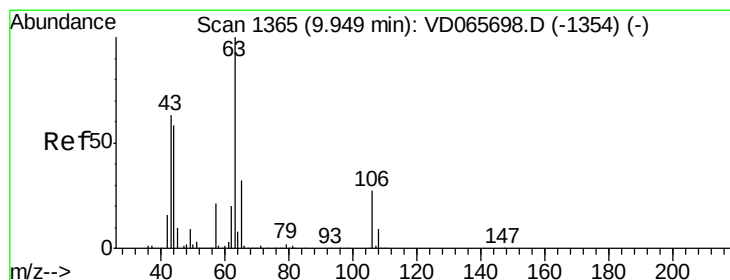
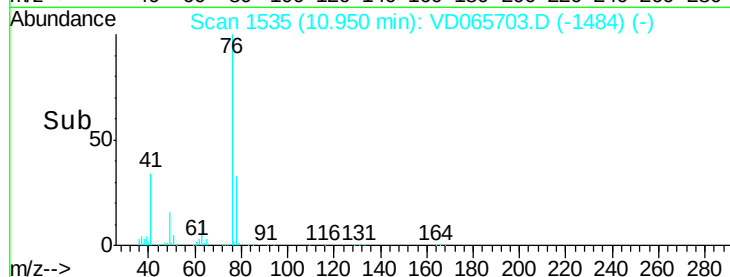
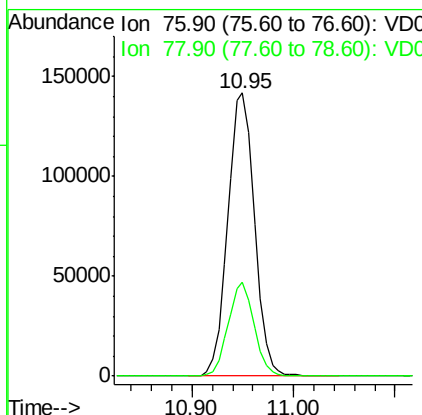
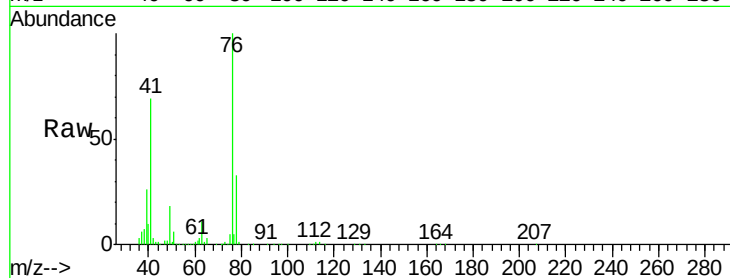




#57
 1,3-Dichloropropane
 Concen: 46.55 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

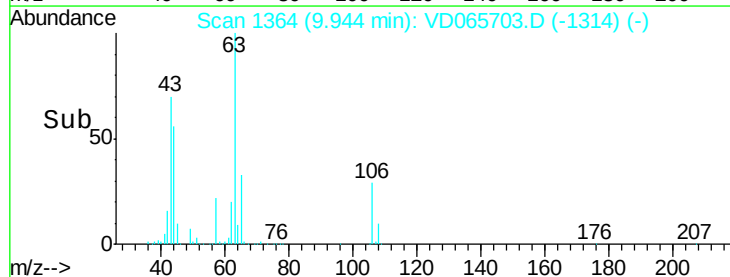
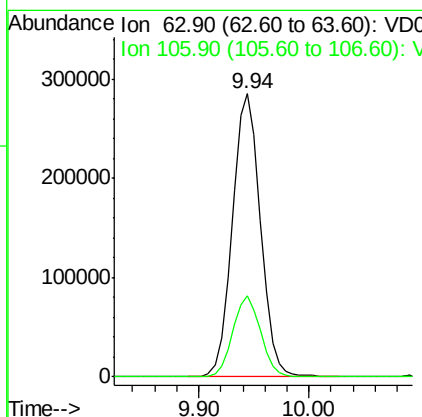
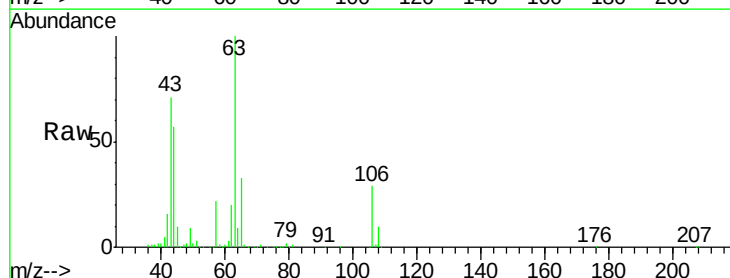
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

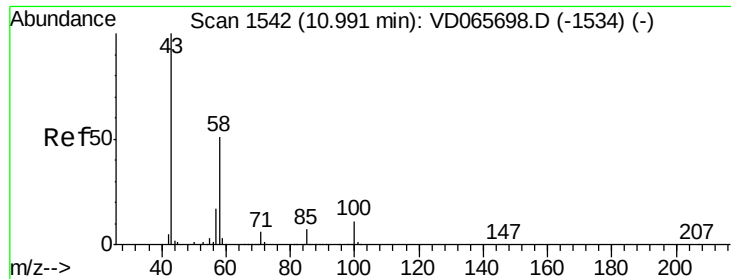
Tgt Ion: 76 Resp: 259261
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.17 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

Tgt Ion: 63 Resp: 509576
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.0 33.0

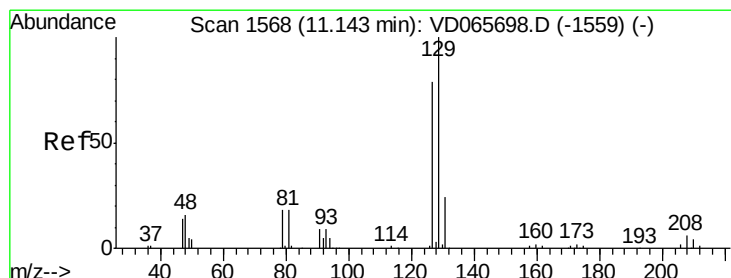
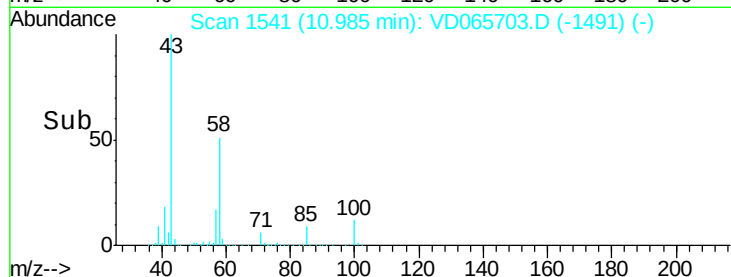
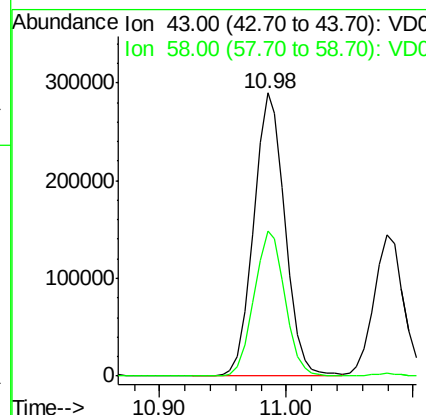
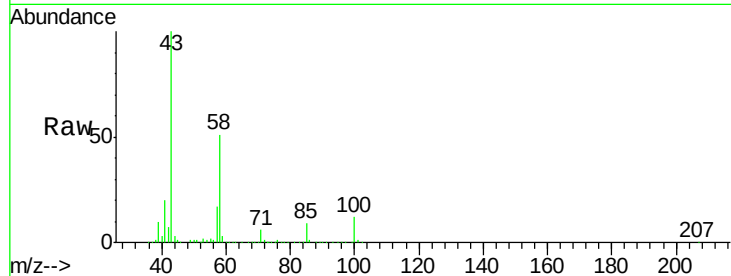




#59
2-Hexanone
Concen: 239.38 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

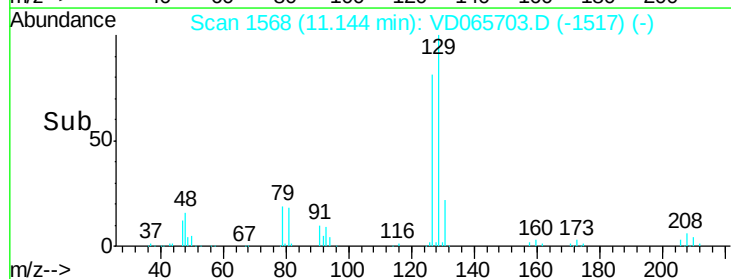
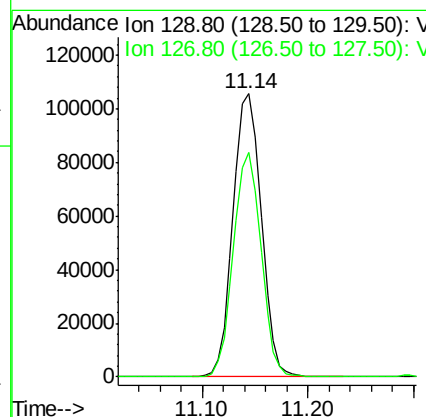
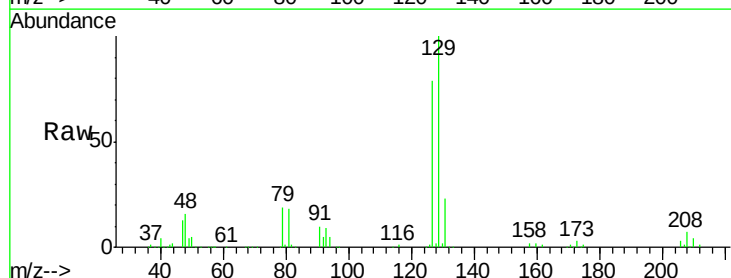
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

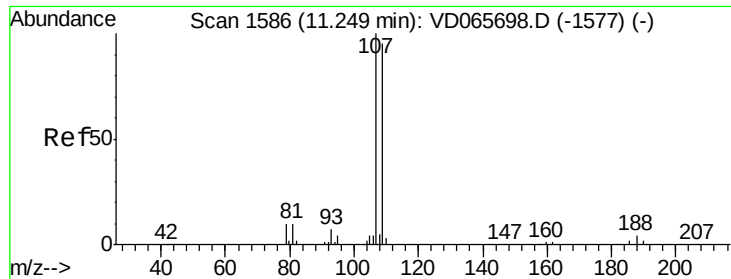
Tgt Ion: 43 Resp: 495570
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.0



#60
Dibromochloromethane
Concen: 47.26 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Tgt Ion: 129 Resp: 196667
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.6

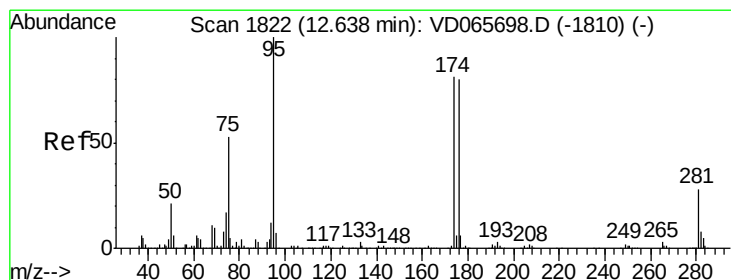
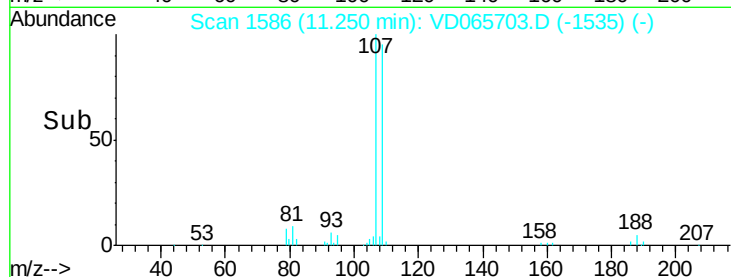
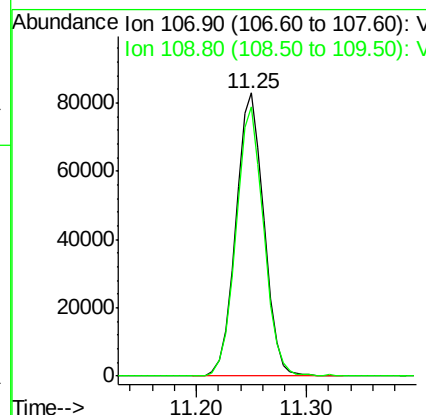
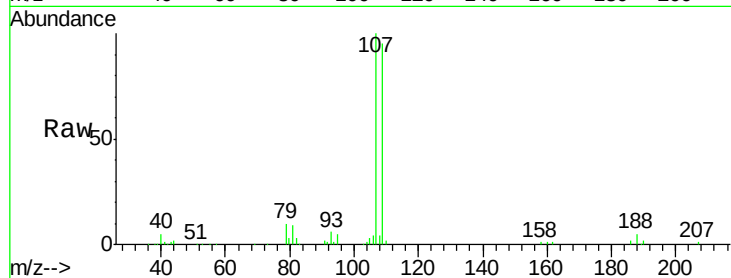




#61
 1,2-Dibromoethane
 Concen: 47.36 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

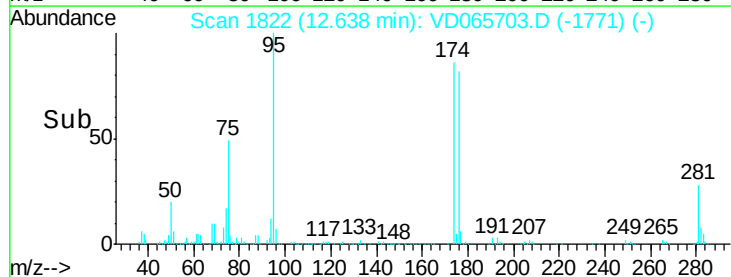
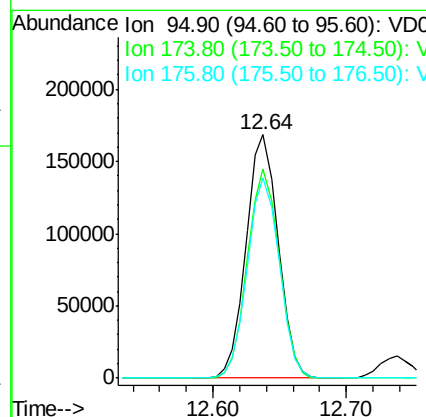
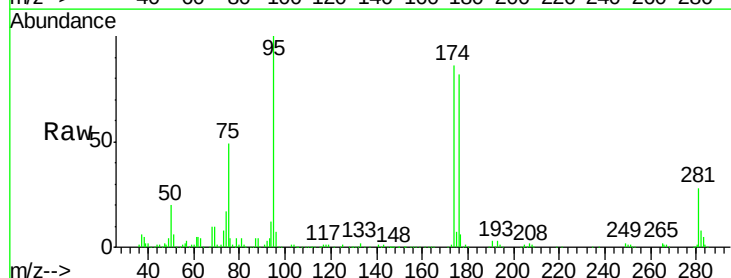
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

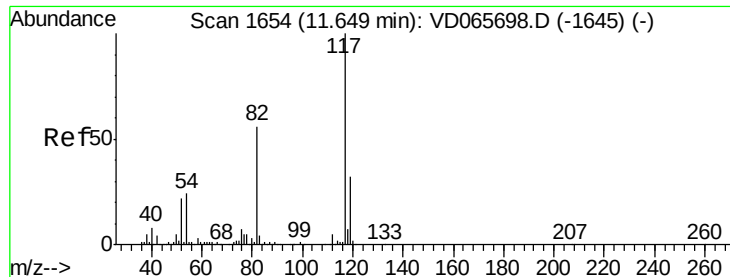
Tgt Ion: 107 Resp: 147615
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 50.20 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

Tgt Ion: 95 Resp: 278947
 Ion Ratio Lower Upper
 95 100
 174 85.4 0.0 162.6
 176 82.5 0.0 159.0

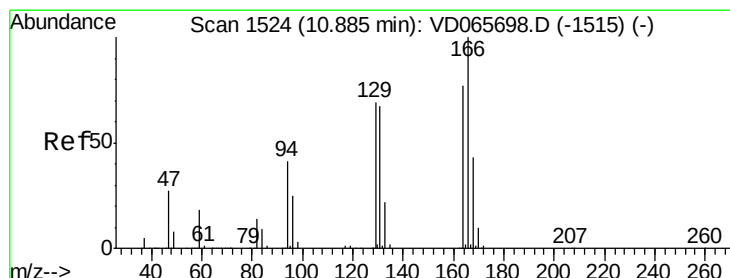
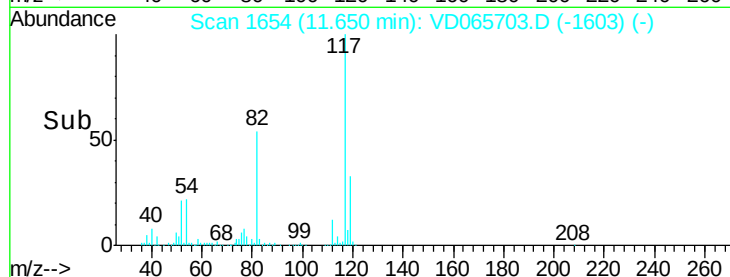
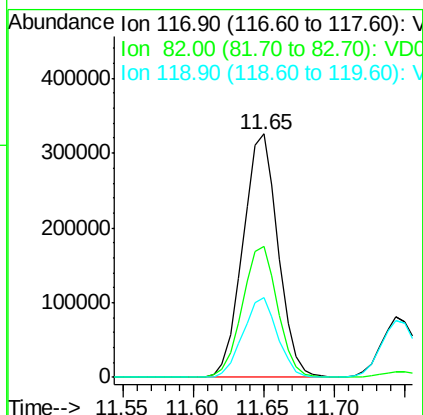
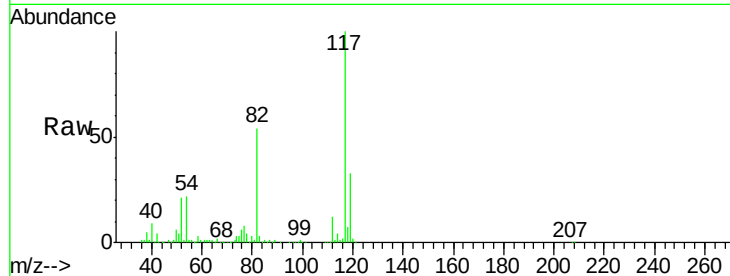




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

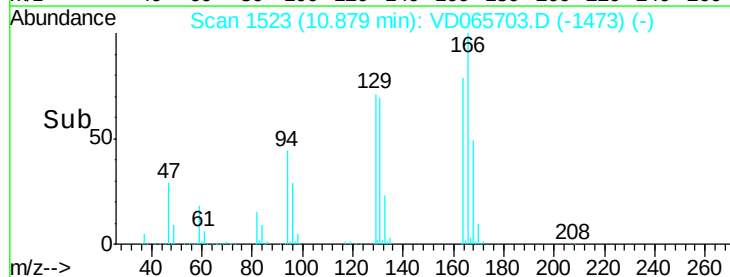
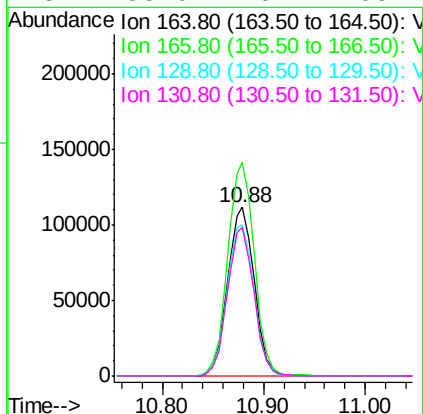
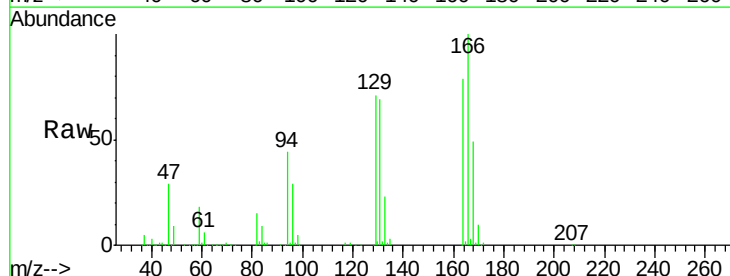
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

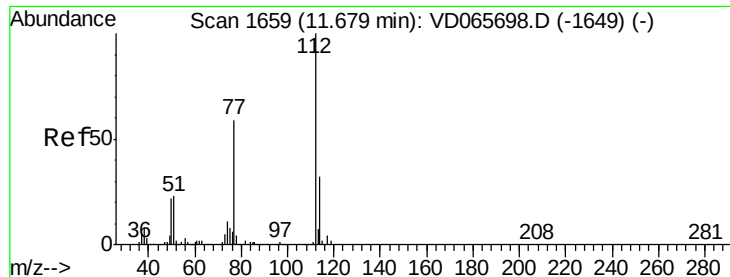
Tgt Ion:117 Resp: 568214
Ion Ratio Lower Upper
117 100
82 53.8 44.9 67.3
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 50.26 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Tgt Ion:164 Resp: 203236
Ion Ratio Lower Upper
164 100
166 126.8 104.3 156.5
129 89.7 71.9 107.9
131 88.0 70.2 105.2





#65

Chlorobenzene

Concen: 48.90 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

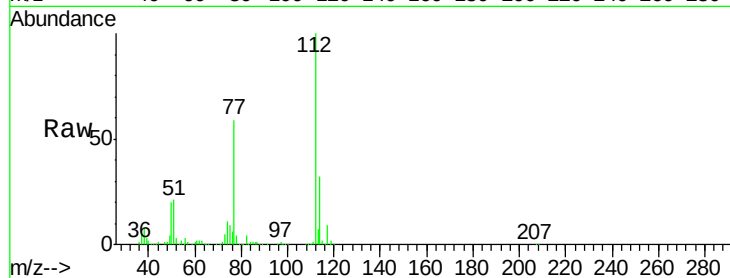
VSTDCCC050

Tgt Ion:112 Resp: 559866

Ion Ratio Lower Upper

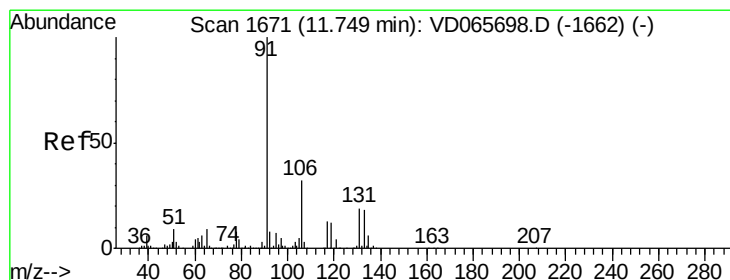
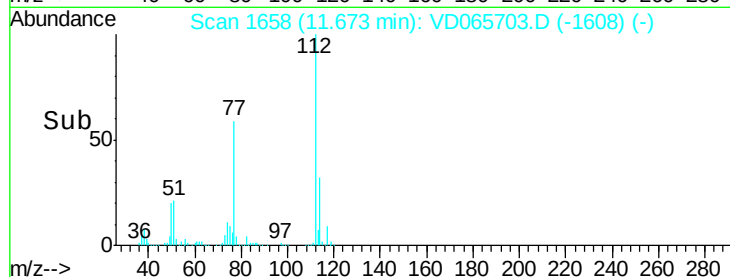
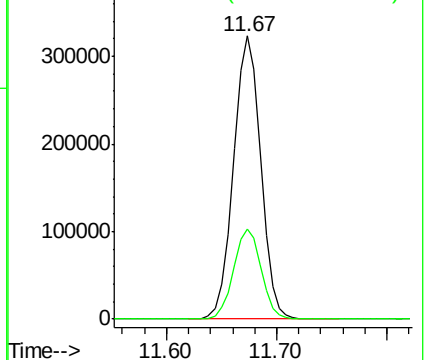
112 100

114 31.6 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: 49.05 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

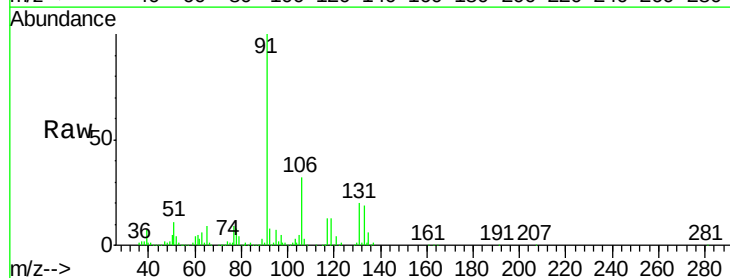
Tgt Ion:131 Resp: 209348

Ion Ratio Lower Upper

131 100

133 96.0 47.3 141.8

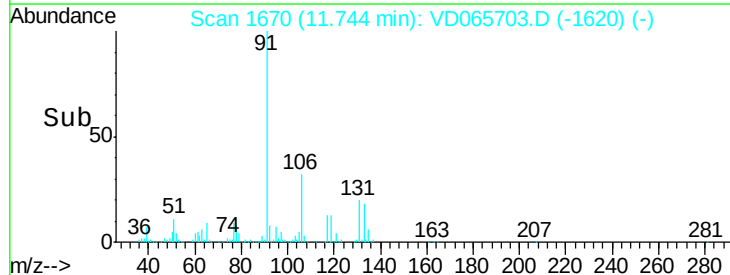
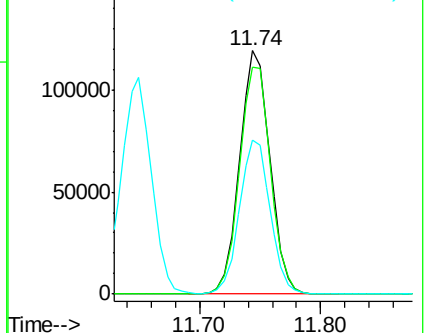
119 64.1 31.8 95.4

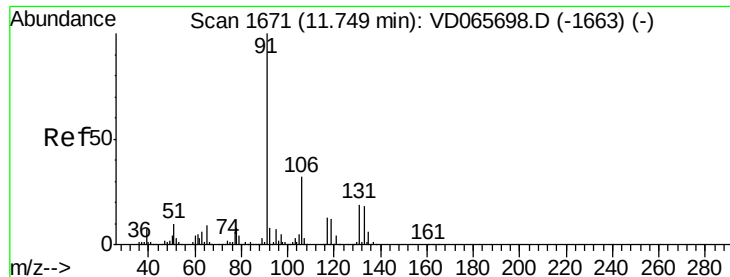


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

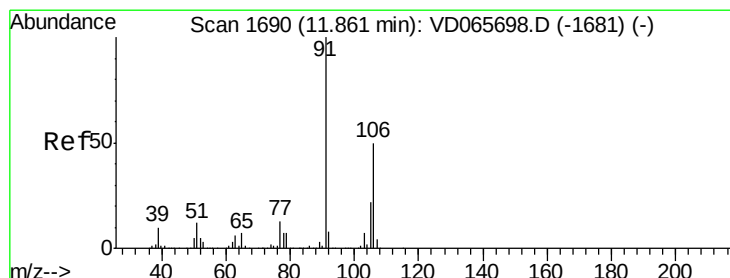
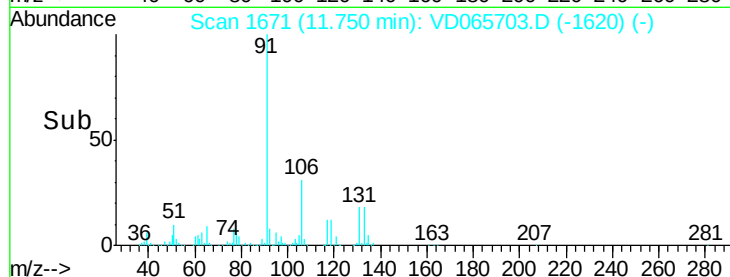
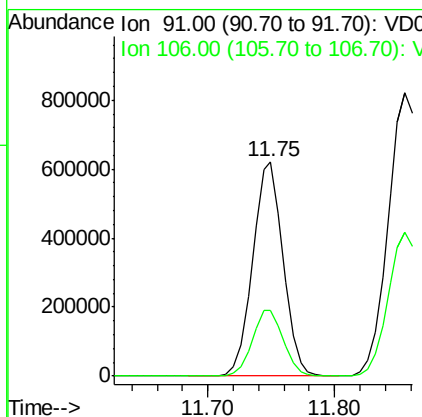
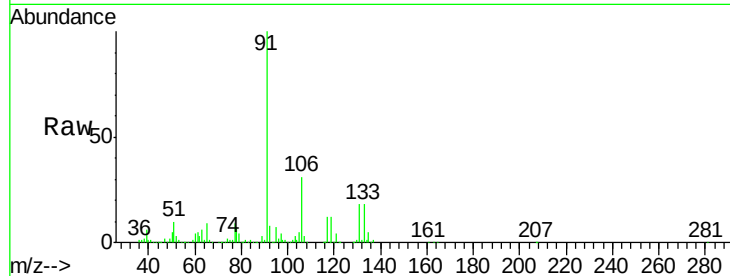




#67
Ethyl Benzene
Concen: 48.54 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

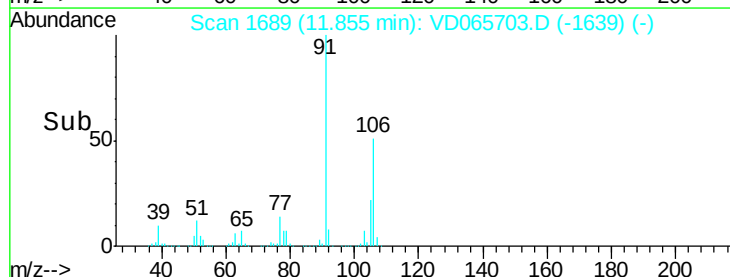
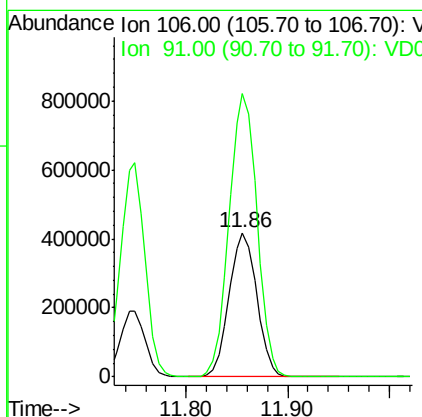
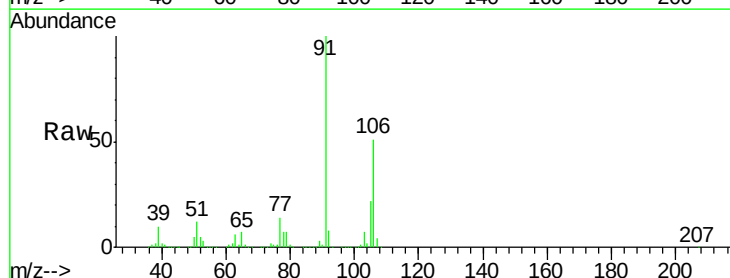
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

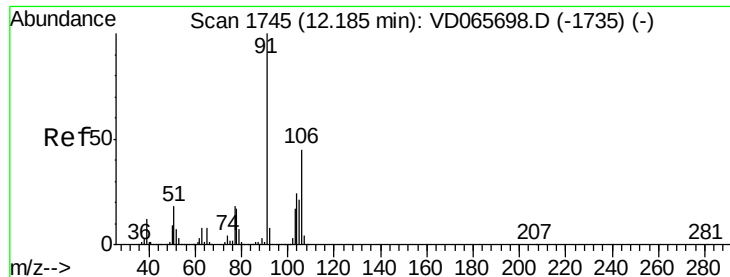
Tgt Ion: 91 Resp: 1036733
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8



#68
m/p-Xylenes
Concen: 99.22 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Tgt Ion: 106 Resp: 789993
Ion Ratio Lower Upper
106 100
91 199.0 163.1 244.7

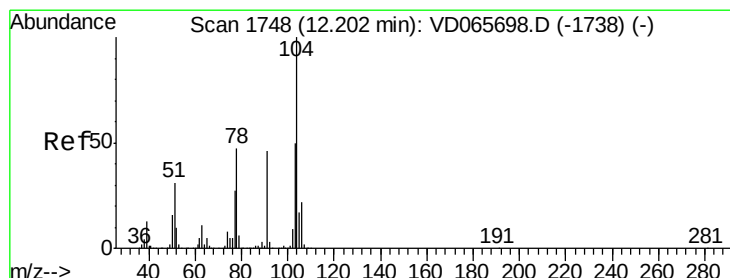
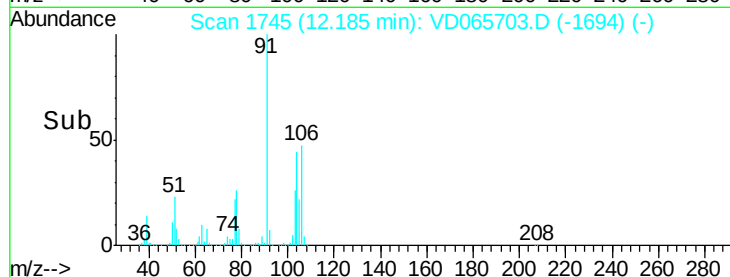
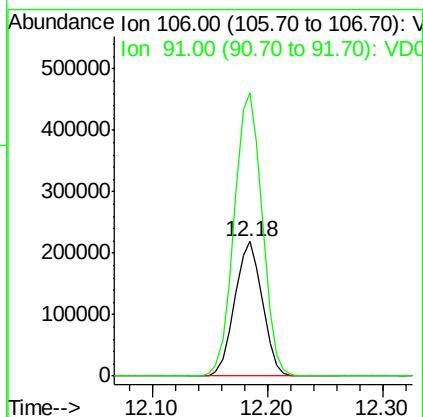
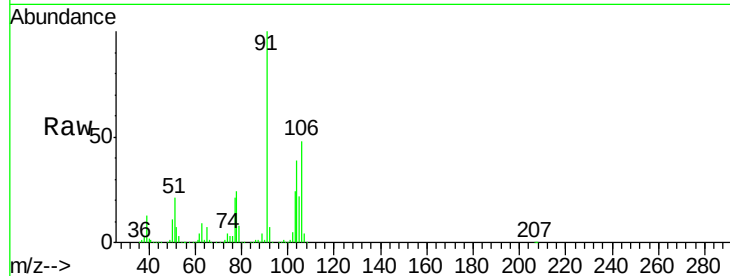




#69
o-Xylene
Concen: 48.78 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

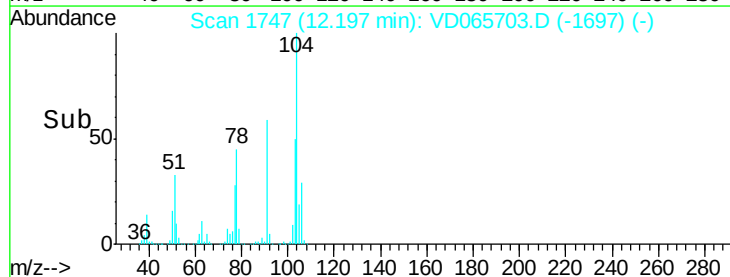
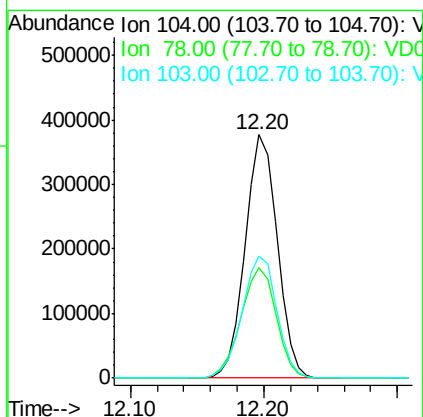
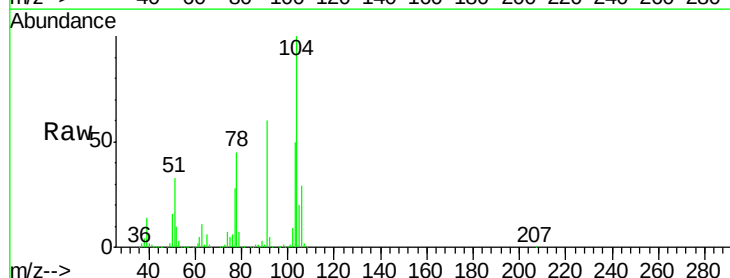
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

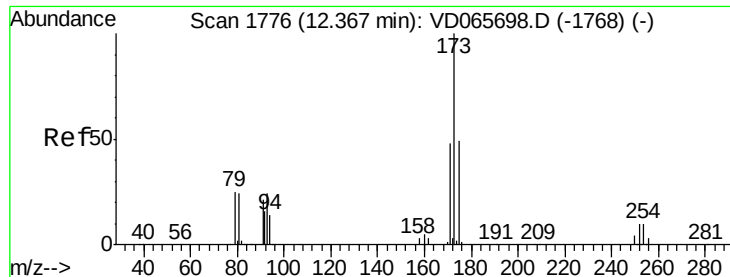
Tgt Ion:106 Resp: 362439
Ion Ratio Lower Upper
106 100
91 213.0 107.9 323.7



#70
Styrene
Concen: 49.05 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Tgt Ion:104 Resp: 626542
Ion Ratio Lower Upper
104 100
78 49.8 41.0 61.4
103 54.0 43.8 65.6

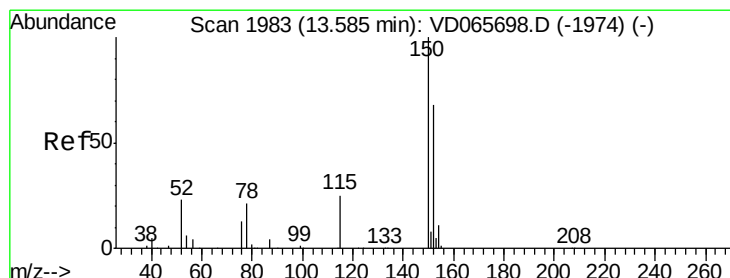
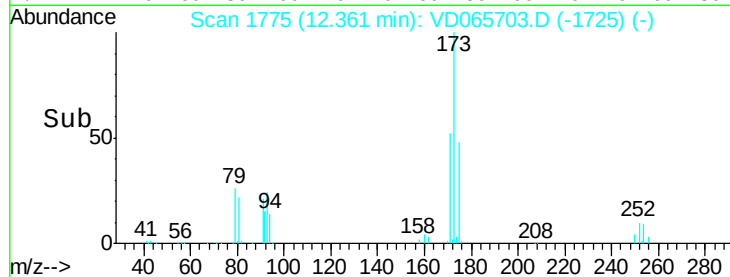
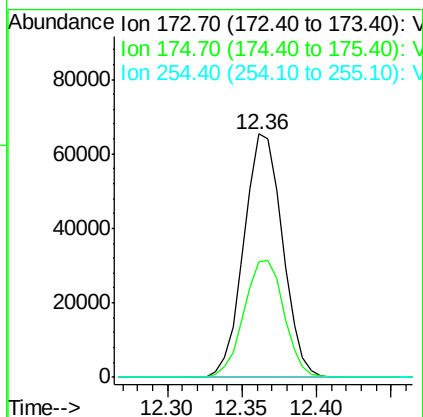
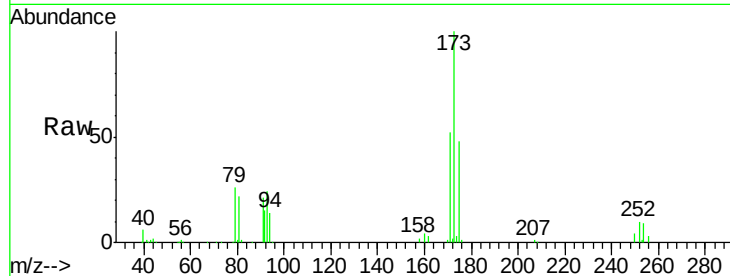




#71
Bromoform
Concen: 48.84 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

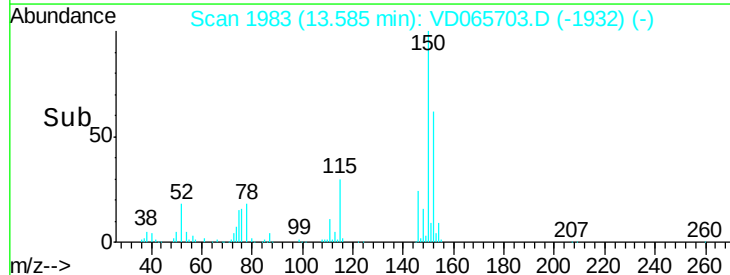
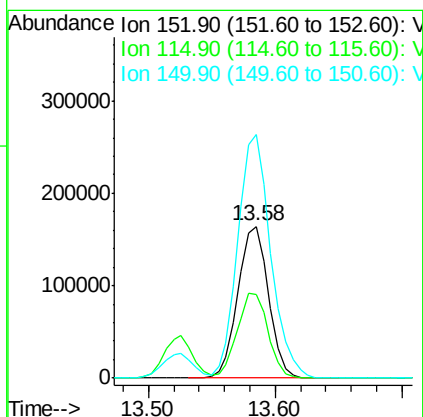
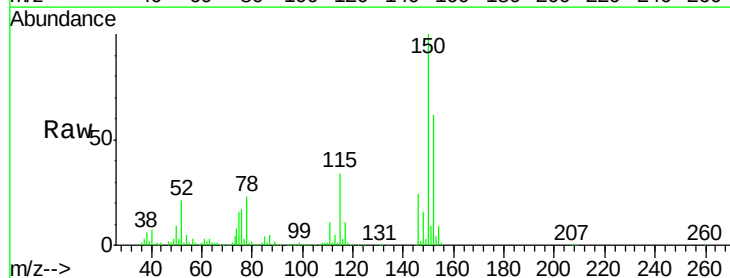
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

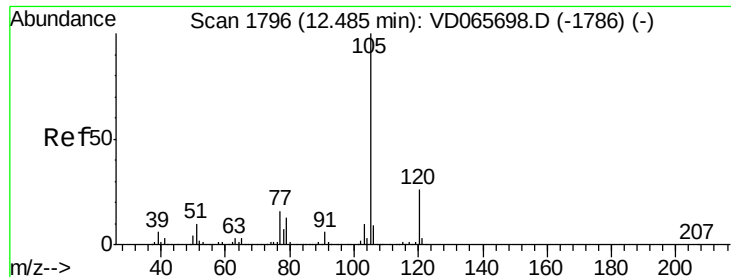
Tgt Ion:173 Resp: 117303
Ion Ratio Lower Upper
173 100
175 49.5 24.5 73.5
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Tgt Ion:152 Resp: 274826
Ion Ratio Lower Upper
152 100
115 56.1 29.5 88.5
150 172.5 0.0 346.8





#73

Isopropylbenzene

Concen: 48.16 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

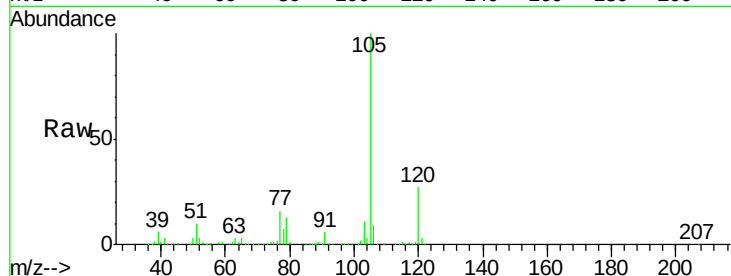
VSTDCCC050

Tgt Ion:105 Resp: 1002855

Ion Ratio Lower Upper

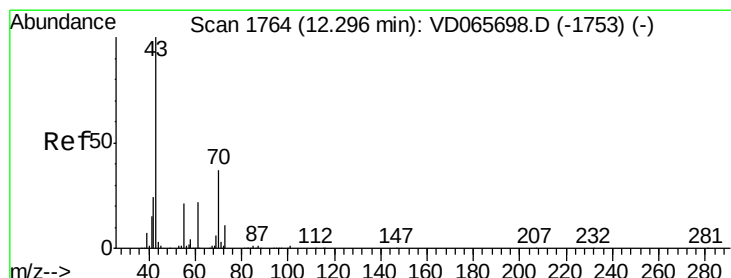
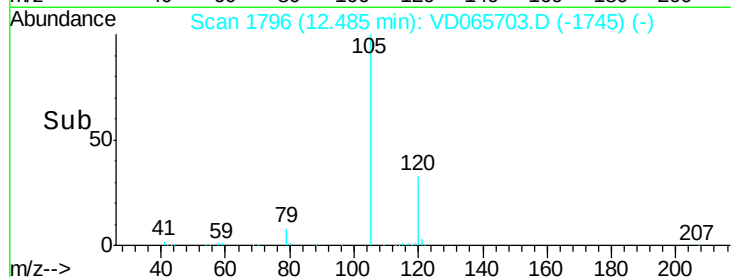
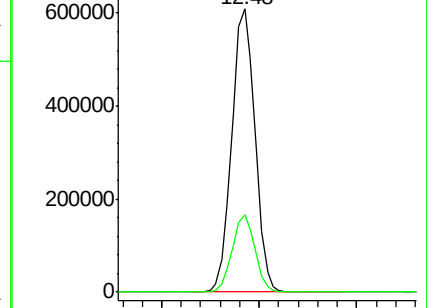
105 100

120 26.7 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: 44.10 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Tgt Ion: 43 Resp: 262183

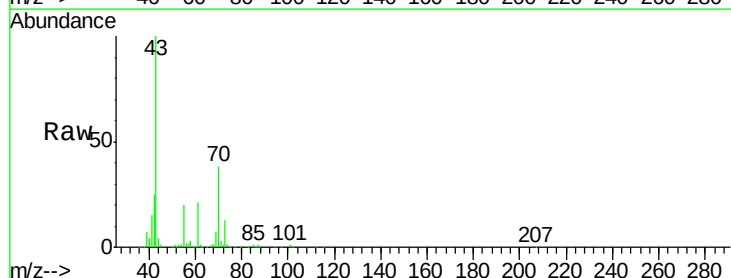
Ion Ratio Lower Upper

43 100

70 38.3 29.3 43.9

55 21.3 16.4 24.6

61 22.0 18.0 27.0

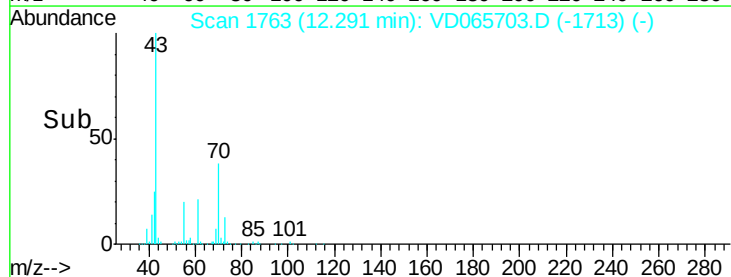
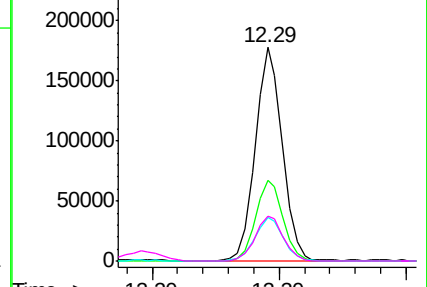


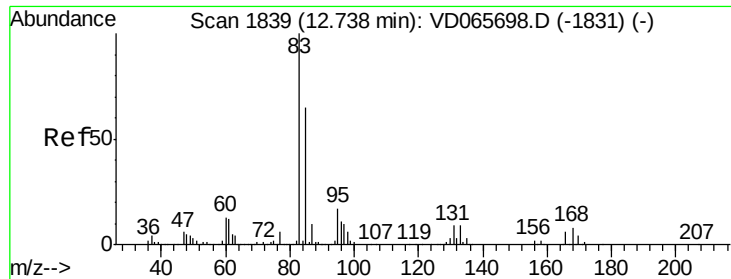
Abundance Ion 43.00 (42.70 to 43.70): V

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: 45.38 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

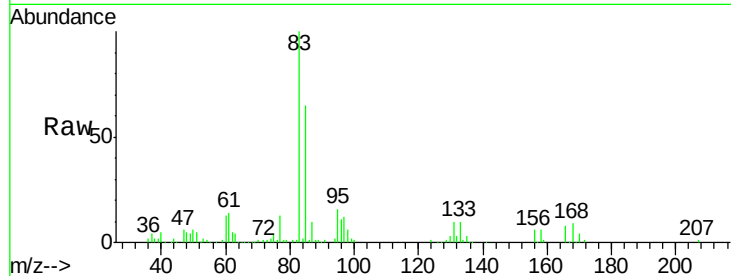
Tgt Ion: 83 Resp: 158469

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.7

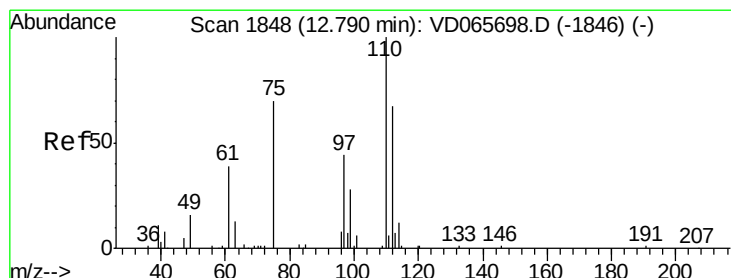
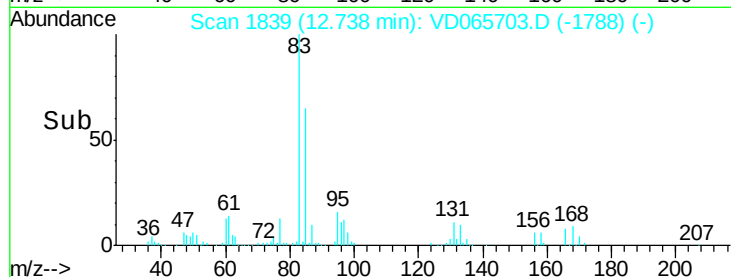
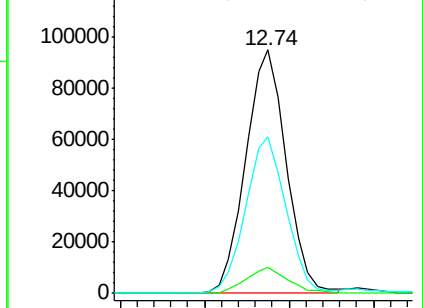
85 64.4 31.9 95.9



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: 93.71 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065703.D

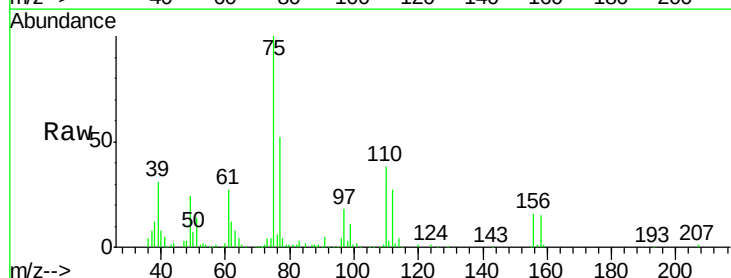
Acq: 07 May 2020 10:23

Tgt Ion: 75 Resp: 217509

Ion Ratio Lower Upper

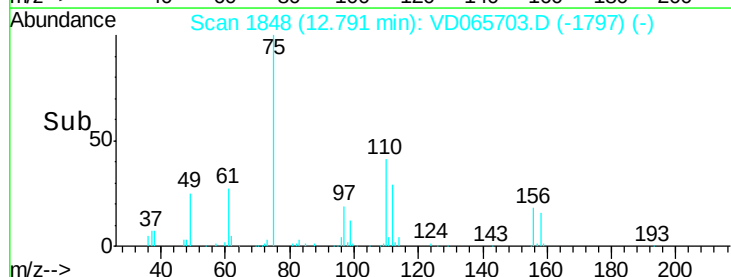
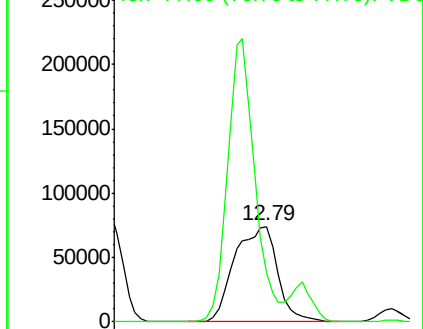
75 100

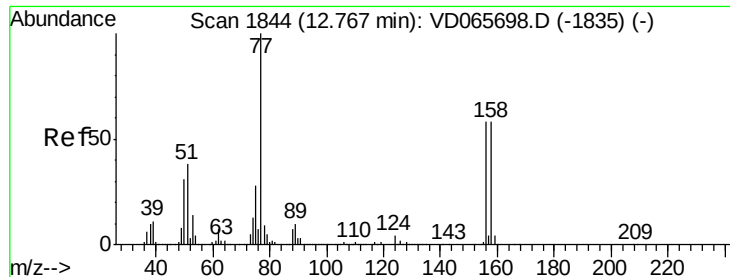
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 48.82 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

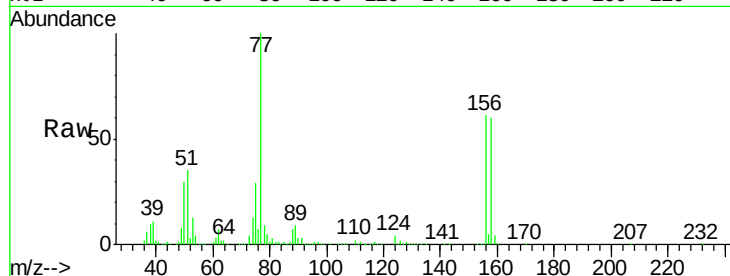
Tgt Ion:156 Resp: 233120

Ion Ratio Lower Upper

156 100

77 176.8 92.9 278.7

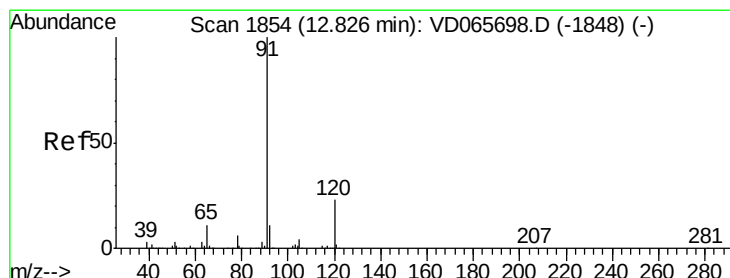
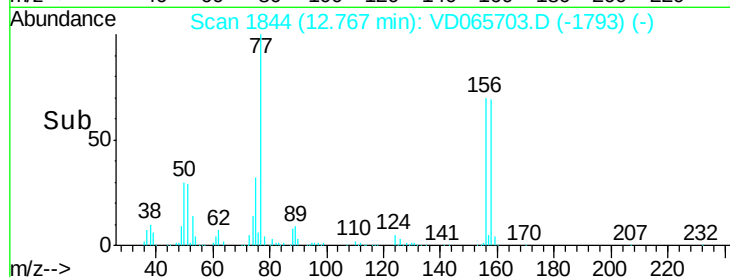
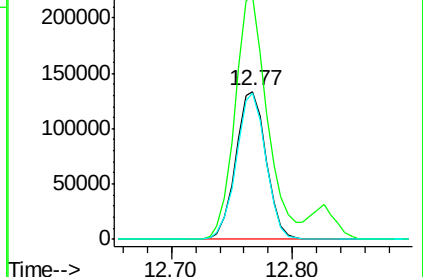
158 96.6 48.9 146.7



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: 48.10 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065703.D

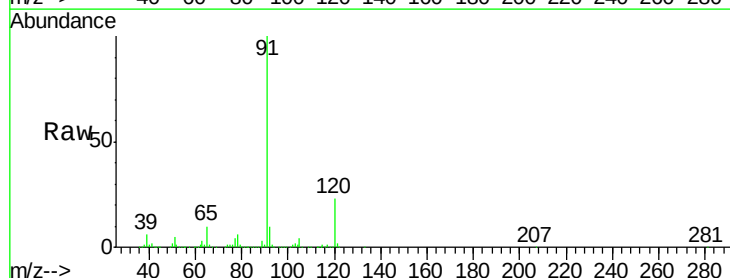
Acq: 07 May 2020 10:23

Tgt Ion: 91 Resp: 1179457

Ion Ratio Lower Upper

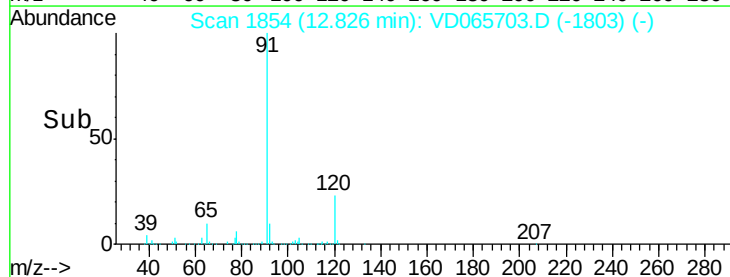
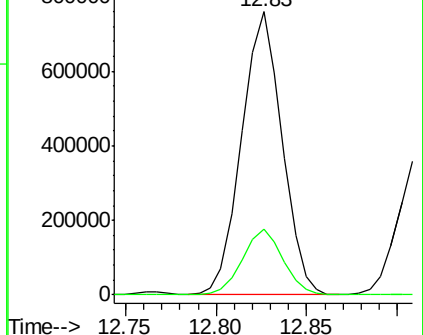
91 100

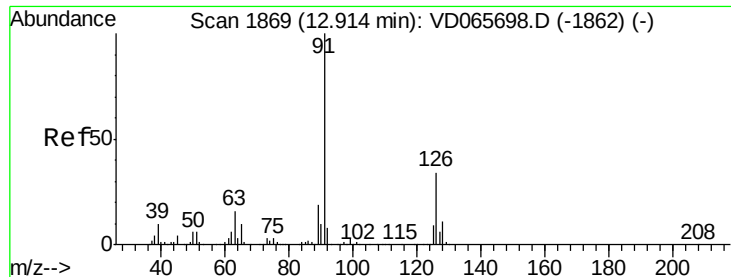
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

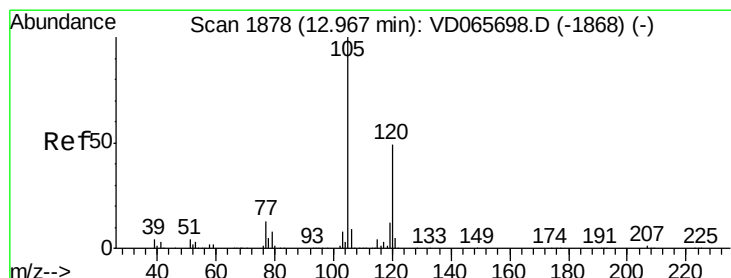
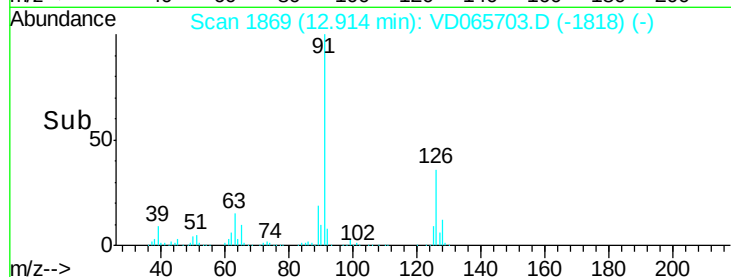
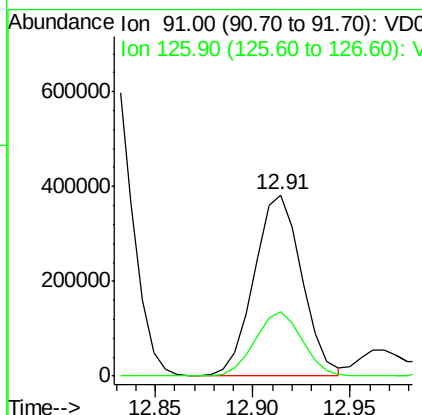
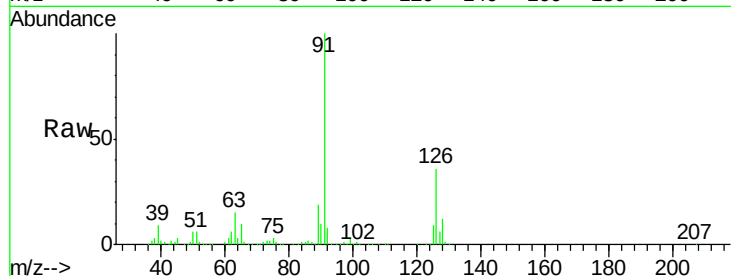




#79
 2-Chlorotoluene
 Concen: 46.58 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

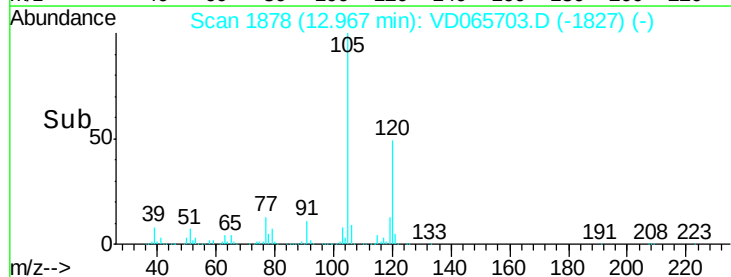
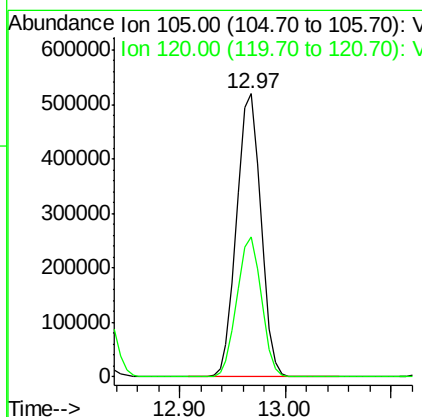
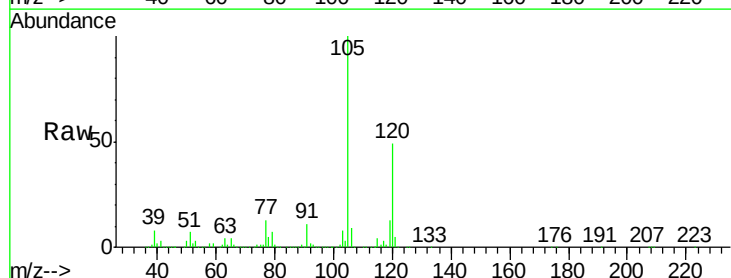
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

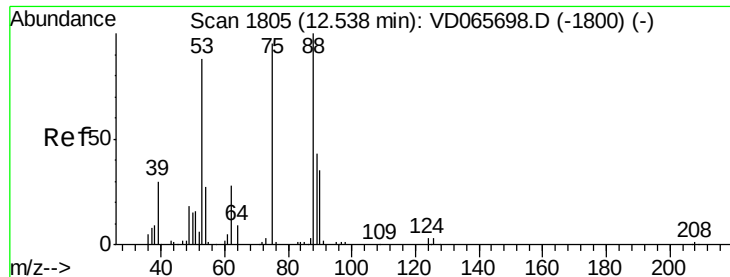
Tgt Ion: 91 Resp: 645280
 Ion Ratio Lower Upper
 91 100
 126 35.2 16.9 50.6



#80
 1,3,5-Trimethylbenzene
 Concen: 48.27 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

Tgt Ion: 105 Resp: 825226
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 45.53 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065703.D

Acq: 07 May 2020 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

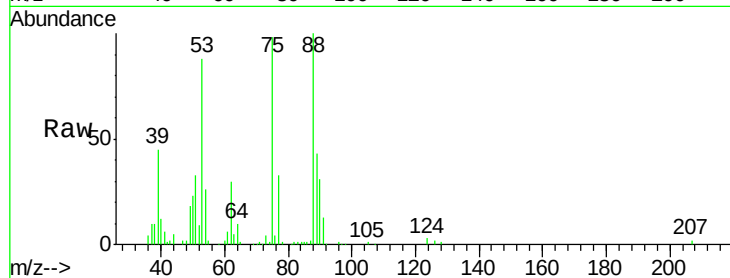
Tgt Ion: 75 Resp: 59702

Ion Ratio Lower Upper

75 100

53 94.7 75.8 113.8

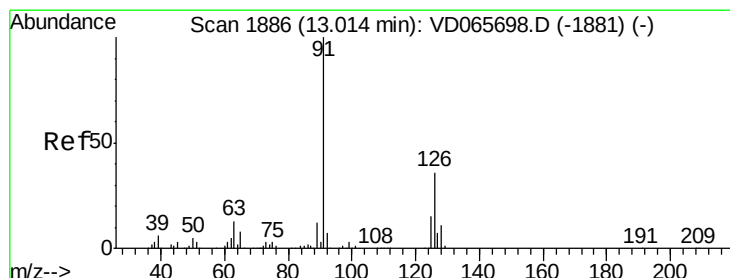
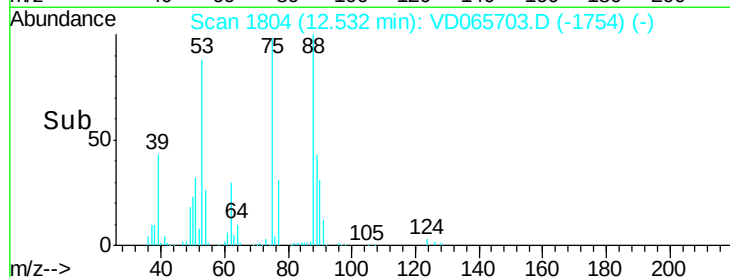
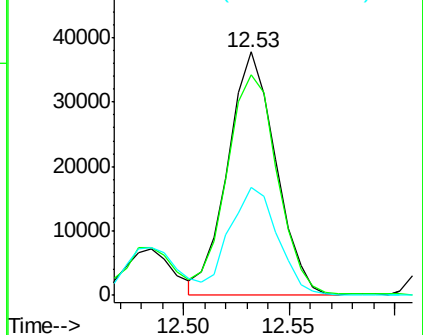
89 44.5 36.2 54.2



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: 47.37 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065703.D

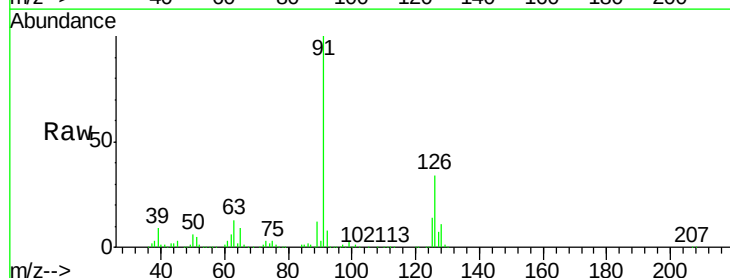
Acq: 07 May 2020 10:23

Tgt Ion: 91 Resp: 686738

Ion Ratio Lower Upper

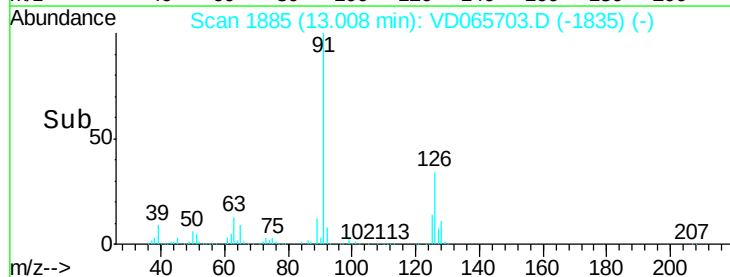
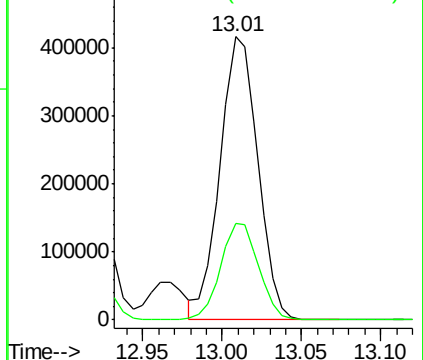
91 100

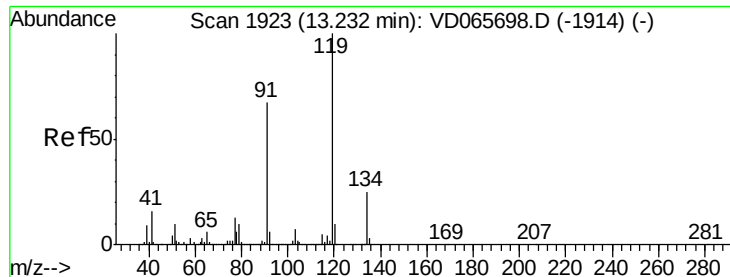
126 34.2 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

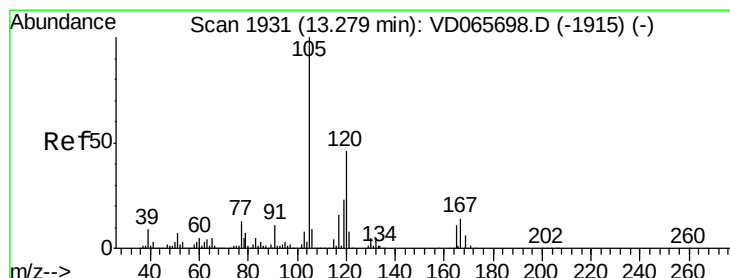
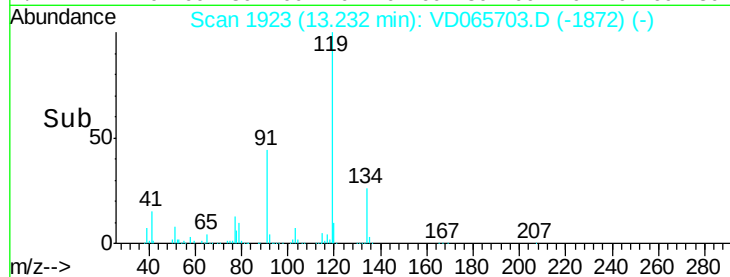
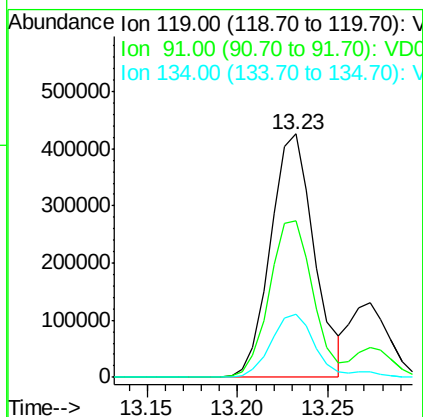
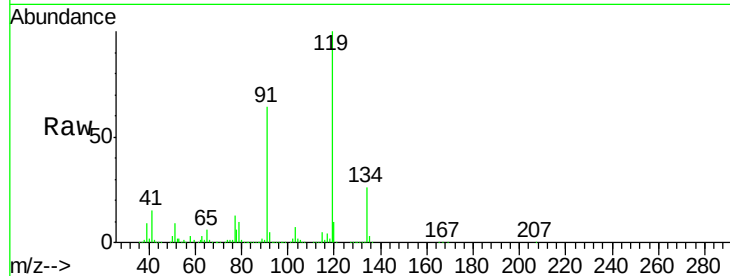




#83
 tert-Butylbenzene
 Concen: 49.21 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

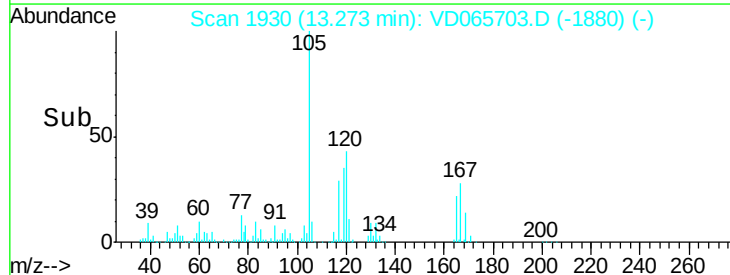
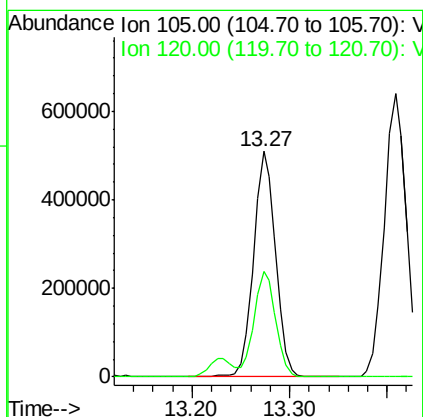
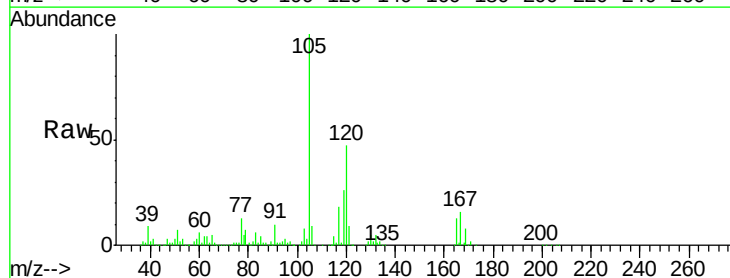
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

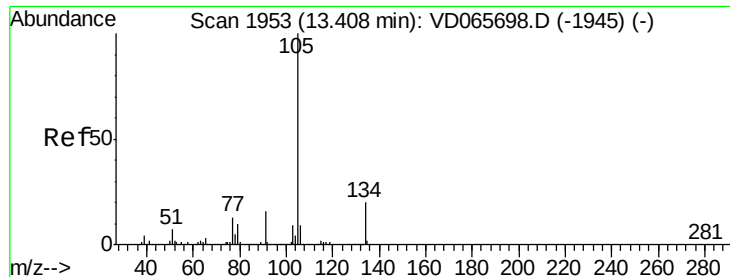
Tgt Ion:119 Resp: 716021
 Ion Ratio Lower Upper
 119 100
 91 64.1 33.6 100.8
 134 27.4 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 47.45 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

Tgt Ion:105 Resp: 808116
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.8 68.4

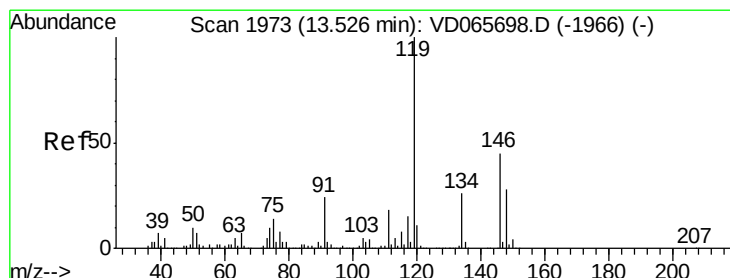
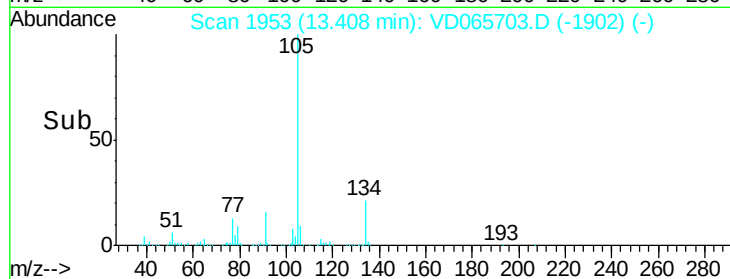
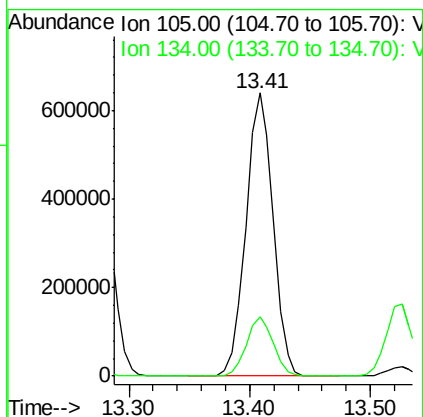
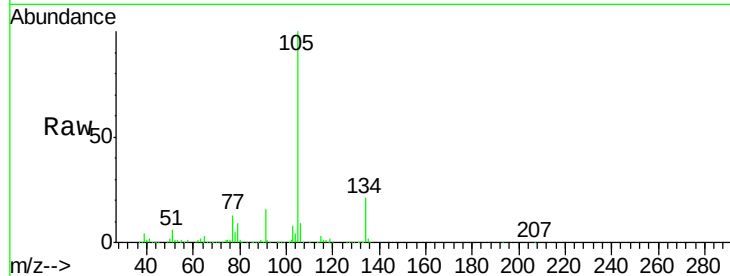




#85
 sec-Butylbenzene
 Concen: 48.98 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

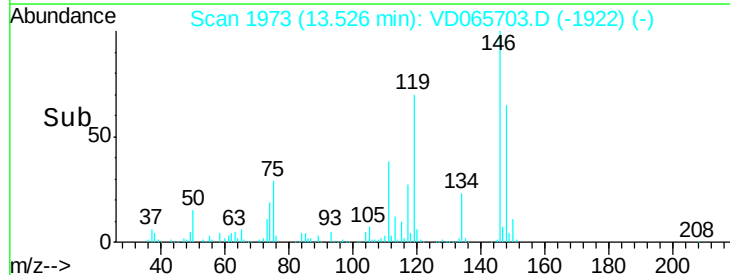
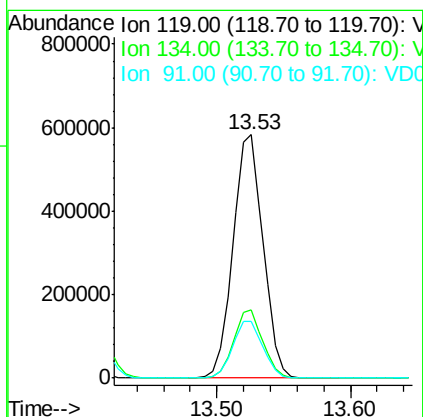
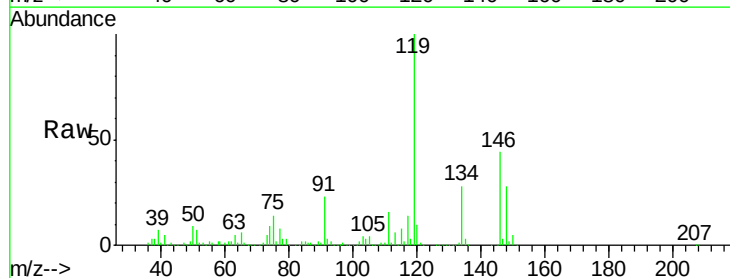
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

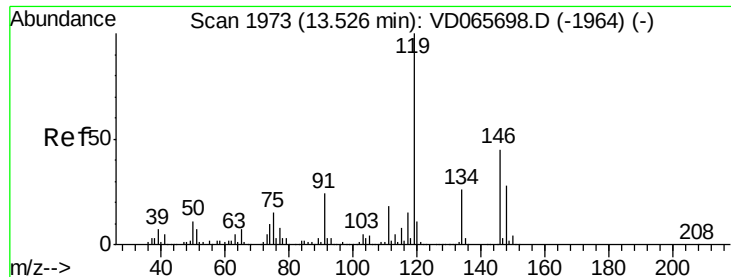
Tgt Ion:105 Resp: 999719
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 48.85 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

Tgt Ion:119 Resp: 908623
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.2 39.6
 91 23.7 12.0 36.1

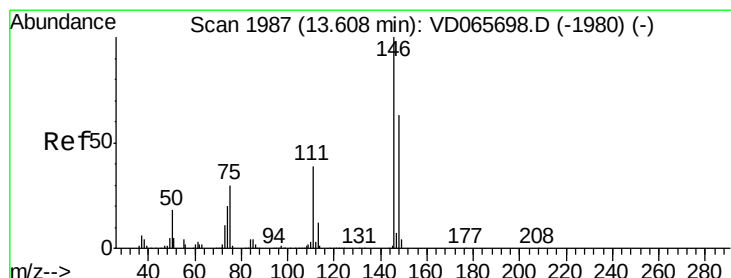
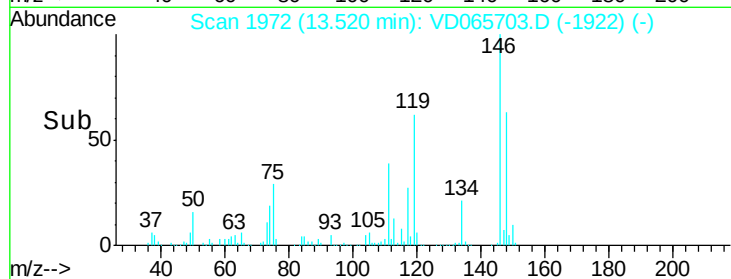
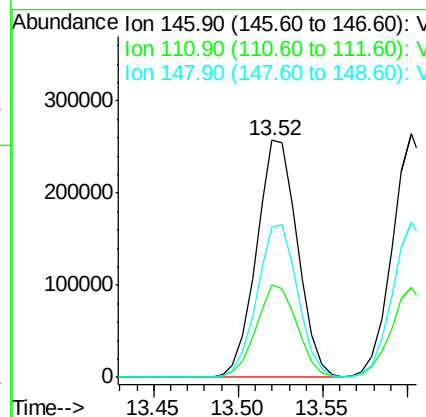
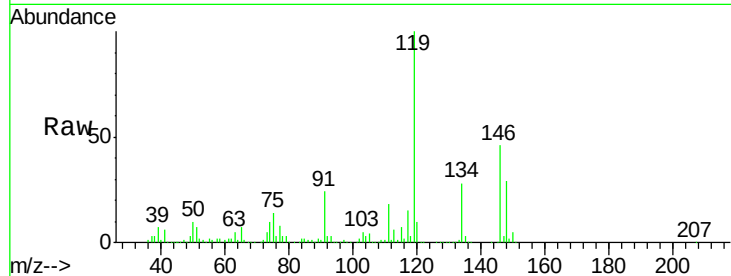




#87
 1,3-Dichlorobenzene
 Concen: 48.41 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

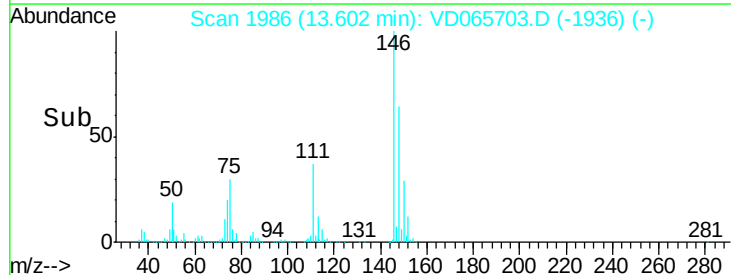
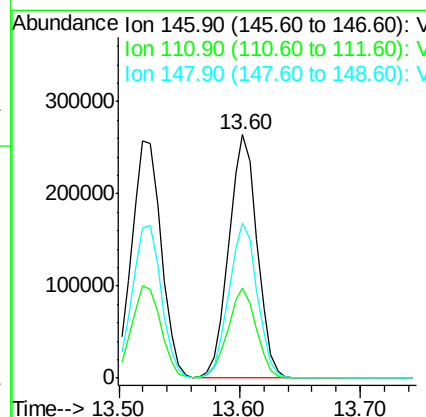
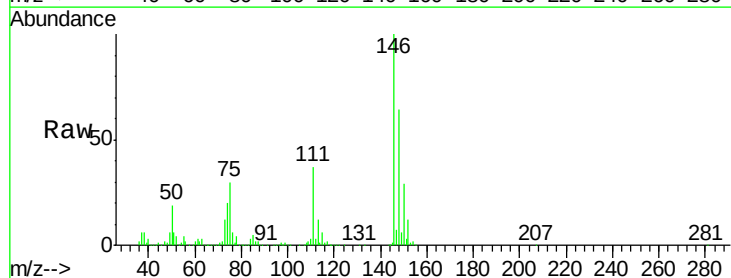
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

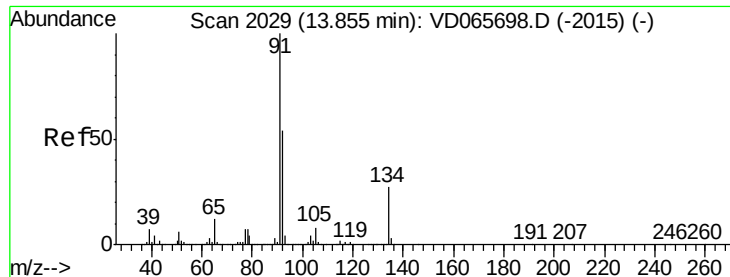
Tgt Ion:146 Resp: 434425
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.6 58.8
 148 63.7 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 48.64 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

Tgt Ion:146 Resp: 430706
 Ion Ratio Lower Upper
 146 100
 111 37.1 19.6 58.7
 148 63.8 31.9 95.5

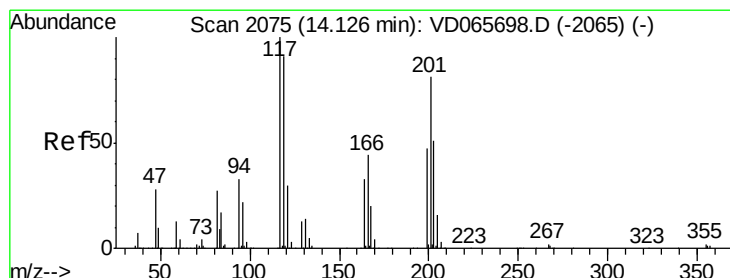
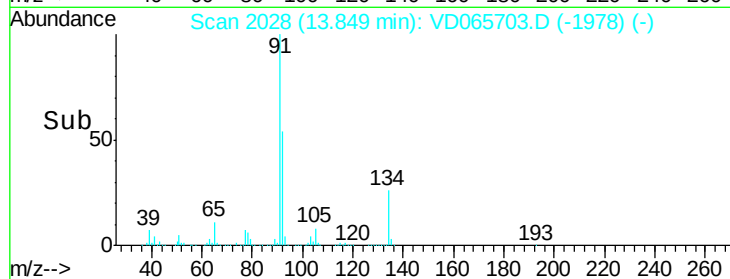
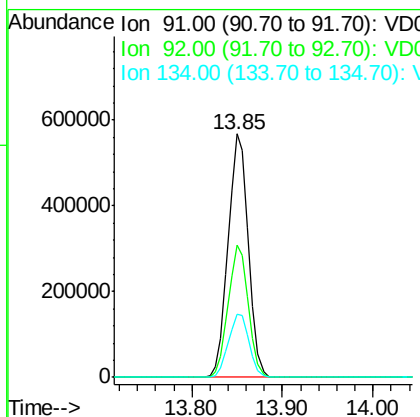
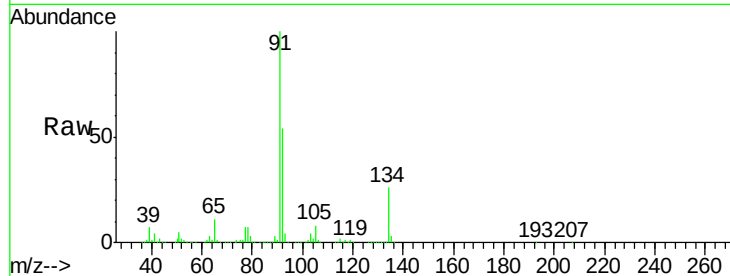




#89
n-Butylbenzene
Concen: 48.63 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

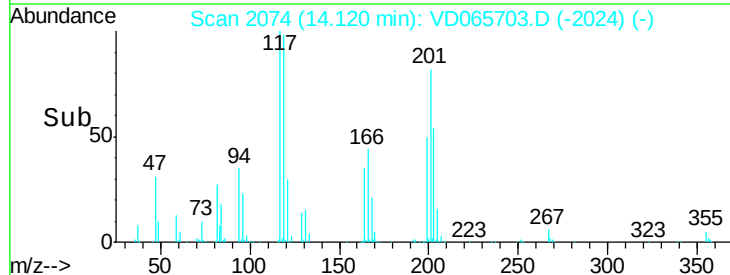
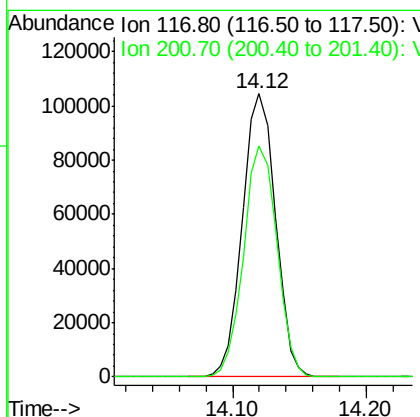
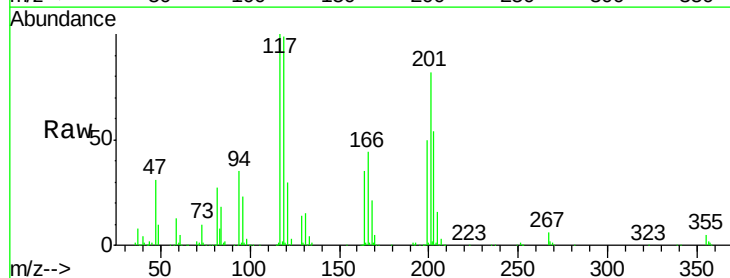
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

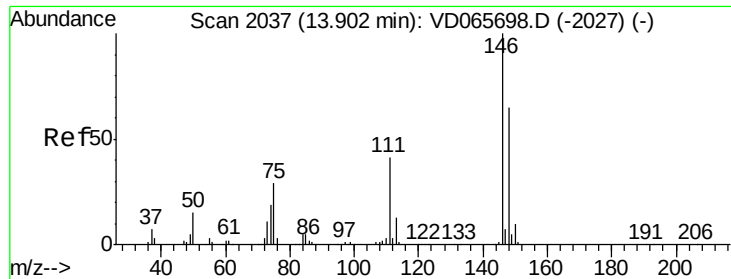
Tgt Ion: 91 Resp: 876433
Ion Ratio Lower Upper
91 100
92 54.3 27.4 82.0
134 26.8 13.3 39.8



#90
Hexachloroethane
Concen: 48.52 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Tgt Ion: 117 Resp: 179772
Ion Ratio Lower Upper
117 100
201 81.9 39.1 117.2

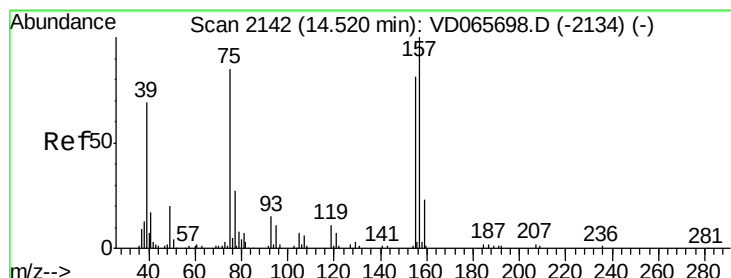
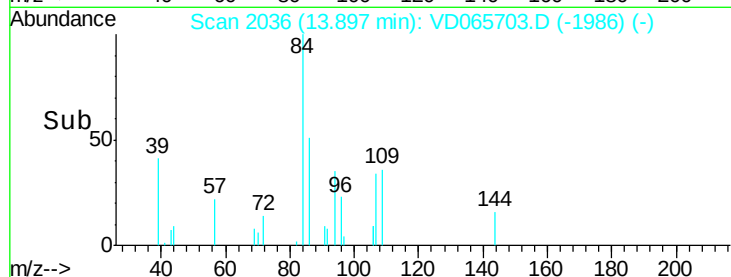
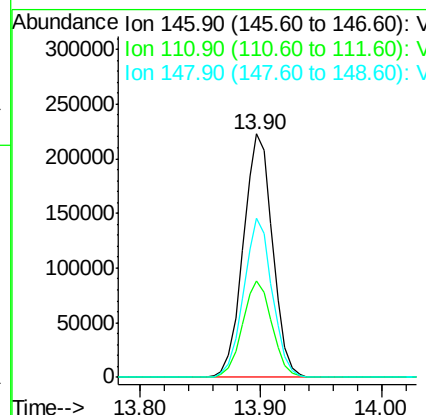
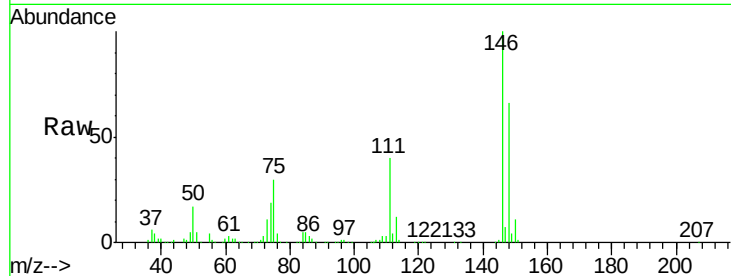




#91
 1,2-Dichlorobenzene
 Concen: 48.43 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

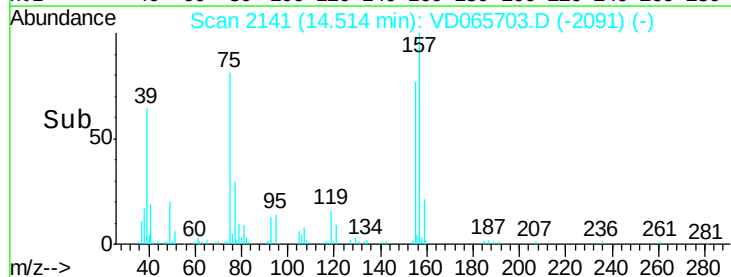
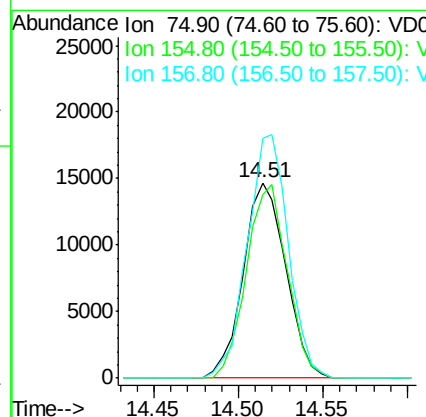
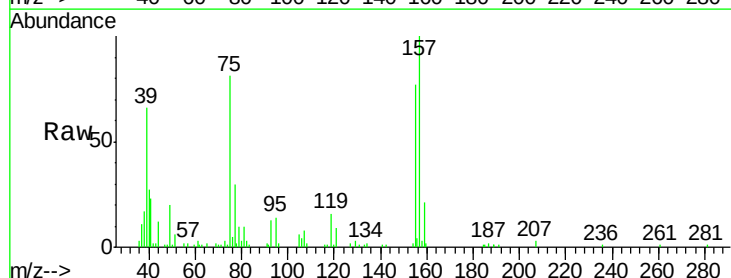
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

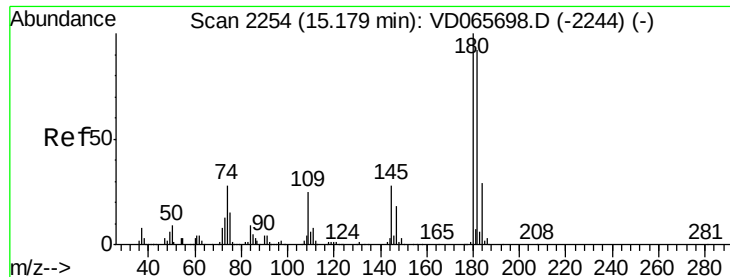
Tgt Ion: 146 Resp: 375072
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.3 61.0
 148 63.8 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.88 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

Tgt Ion: 75 Resp: 25755
 Ion Ratio Lower Upper
 75 100
 155 94.8 43.5 130.5
 157 120.5 54.5 163.6

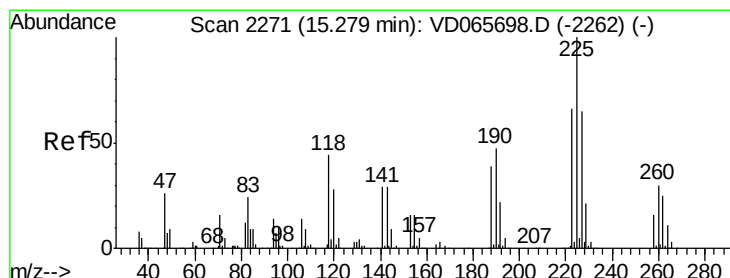
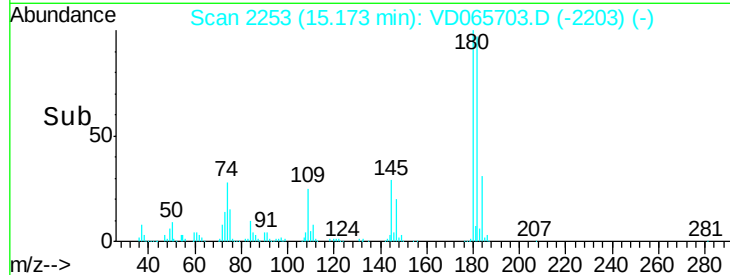
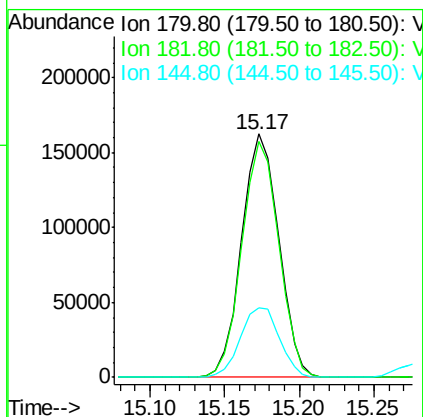
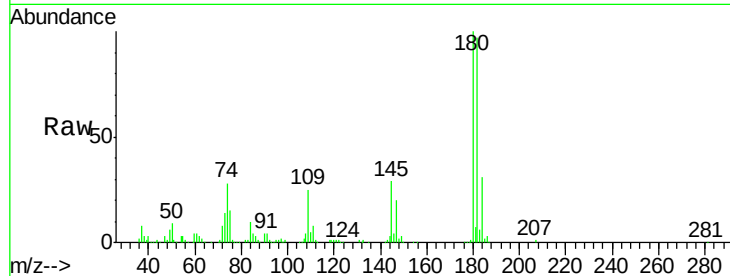




#93
 1,2,4-Trichlorobenzene
 Concen: 48.23 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

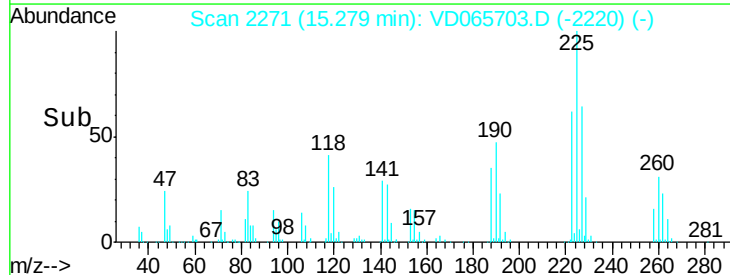
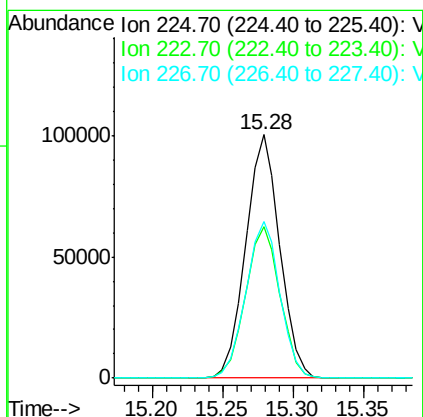
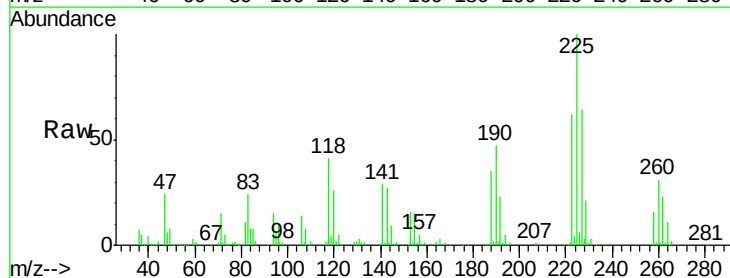
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

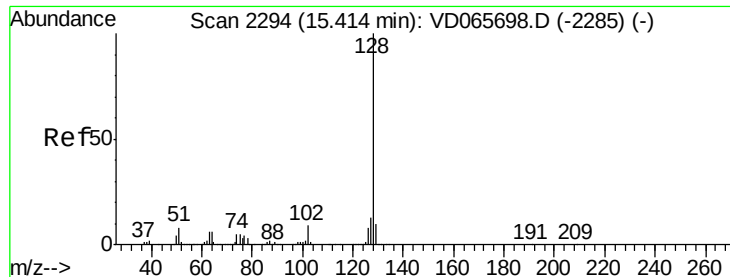
Tgt Ion:180 Resp: 280258
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.0 141.0
 145 30.2 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 50.37 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065703.D
 Acq: 07 May 2020 10:23

Tgt Ion:225 Resp: 169604
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.8 95.3
 227 64.3 31.6 94.8

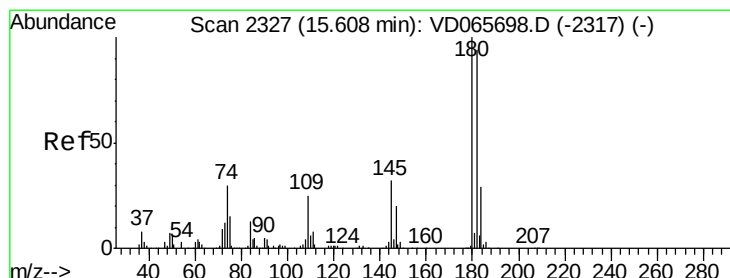
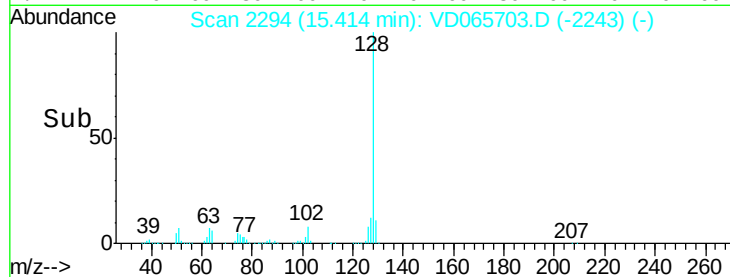
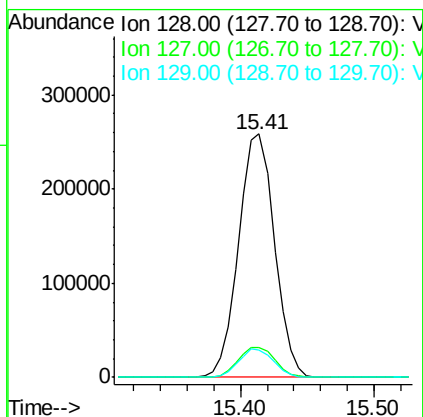
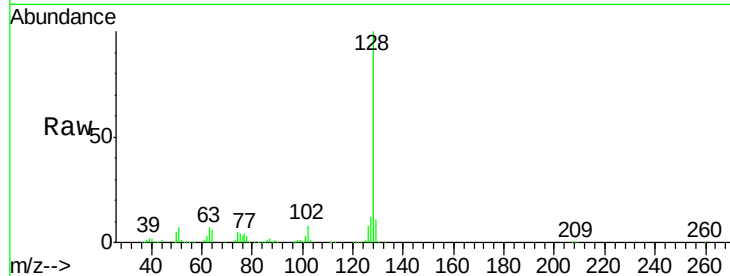




#95
Naphthalene
Concen: 47.08 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 480829
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 11.3 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 48.65 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065703.D
Acq: 07 May 2020 10:23

Tgt Ion:180 Resp: 240456
Ion Ratio Lower Upper
180 100
182 93.8 46.9 140.6
145 31.5 16.0 47.9

