

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065698.D
 Acq On : 06 May 2020 15:38
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 06 16:00:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 15:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	482959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	744377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	661643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	312828	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	249339	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	7.92	113	241100	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
50) Toluene-d8	10.34	98	933633	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.64	95	326091	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	185308	44.117	ug/l	100
3) Chloromethane	2.21	50	228839	43.183	ug/l	100
4) Vinyl Chloride	2.35	62	239223	47.920	ug/l	100
5) Bromomethane	2.77	94	145521	41.654	ug/l	100
6) Chloroethane	2.92	64	150207	48.340	ug/l	100
7) Trichlorofluoromethane	3.27	101	379862	49.295	ug/l	100
8) Diethyl Ether	3.71	74	118213	68.727	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	231165	46.658	ug/l	100
10) Methyl Iodide	4.30	142	240552	50.589	ug/l	100
11) Tert butyl alcohol	5.23	59	92276	356.586	ug/l	100
12) 1,1-Dichloroethene	4.07	96	225992	48.921	ug/l	100
13) Acrolein	3.93	56	89618	269.397	ug/l	100
14) Allyl chloride	4.71	41	442910	61.308	ug/l	100
15) Acrylonitrile	5.43	53	276679	284.602	ug/l	100
16) Acetone	4.16	43	278620	312.844	ug/l	100
17) Carbon Disulfide	4.41	76	747559	48.802	ug/l	100
18) Methyl Acetate	4.73	43	126528	51.317	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	563031	60.547	ug/l	100
20) Methylene Chloride	4.97	84	246620	45.270	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	252535	48.730	ug/l	100
22) Diisopropyl ether	6.37	45	847179	61.641	ug/l	100
23) Vinyl Acetate	6.31	43	2584423	343.996	ug/l	100
24) 1,1-Dichloroethane	6.27	63	454629	51.350	ug/l	100
25) 2-Butanone	7.22	43	389719	320.697	ug/l	100
26) 2,2-Dichloropropane	7.21	77	403833	50.884	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	279819	51.961	ug/l	100
28) Bromochloromethane	7.56	49	197113	54.296	ug/l	100
29) Tetrahydrofuran	7.57	42	246804	324.088	ug/l	100
30) Chloroform	7.71	83	435905	47.748	ug/l	100
31) Cyclohexane	7.98	56	446837	53.548	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	403711	48.771	ug/l	100
36) 1,1-Dichloropropene	8.12	75	367264	48.852	ug/l	100
37) Ethyl Acetate	7.30	43	175936	59.428	ug/l	100
38) Carbon Tetrachloride	8.10	117	359589	44.685	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	455176	53.247	ug/l	100
40) Benzene	8.36	78	998884	46.884	ug/l	100
41) Methacrylonitrile	7.53	41	91888	55.909	ug/l	100
42) 1,2-Dichloroethane	8.43	62	287128	47.616	ug/l	100
43) Isopropyl Acetate	8.46	43	354818	64.413	ug/l	100
44) Trichloroethene	9.12	130	275429	45.203	ug/l	100
45) 1,2-Dichloropropane	9.40	63	259959	49.417	ug/l	100
46) Dibromomethane	9.48	93	130762	46.536	ug/l	100
47) Bromodichloromethane	9.67	83	344950	46.971	ug/l	100
48) Methyl methacrylate	9.46	41	178824	68.694	ug/l	100
49) 1,4-Dioxane	9.47	88	33173	1080.289	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	862905	308.669	ug/l	100
52) Toluene	10.41	92	631188	47.086	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	353989	53.186	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	413348	51.146	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	177446	45.189	ug/l	100
56) Ethyl methacrylate	10.67	69	255517	61.575	ug/l	100
57) 1,3-Dichloropropane	10.95	76	317478	48.348	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	593070	277.398	ug/l	100
59) 2-Hexanone	10.99	43	599891	321.044	ug/l	100
60) Dibromochloromethane	11.14	129	233252	44.915	ug/l	100
61) 1,2-Dibromoethane	11.25	107	178106	47.358	ug/l	100
64) Tetrachloroethene	10.88	164	229154	44.970	ug/l	100
65) Chlorobenzene	11.68	112	649190	46.512	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	246431	46.430	ug/l	100
67) Ethyl Benzene	11.75	91	1213561	52.110	ug/l	100
68) m/p-Xylenes	11.86	106	903363	99.687	ug/l	100
69) o-Xylene	12.18	106	423751	53.489	ug/l	100
70) Styrene	12.20	104	731512	52.722	ug/l	100
71) Bromoform	12.37	173	138955	46.273	ug/l #	100
73) Isopropylbenzene	12.48	105	1149838	57.406	ug/l	100
74) N-amyl acetate	12.30	43	339084	76.434	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	195637	52.676	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	268904	106.020	ug/l #	100
77) Bromobenzene	12.77	156	266925	49.565	ug/l	100
78) n-propylbenzene	12.83	91	1373091	56.849	ug/l	100
79) 2-Chlorotoluene	12.91	91	769741	55.507	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	955856	56.701	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	73825	64.887	ug/l	100
82) 4-Chlorotoluene	13.01	91	799108	53.759	ug/l	100
83) tert-Butylbenzene	13.23	119	810413	57.774	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	942676	56.528	ug/l	100
85) sec-Butylbenzene	13.41	105	1145633	56.962	ug/l	100
86) p-Isopropyltoluene	13.53	119	1041355	56.573	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	498861	48.062	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	493255	47.613	ug/l	100
89) n-Butylbenzene	13.86	91	1008200	59.523	ug/l	100
90) Hexachloroethane	14.13	117	208408	51.629	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	432766	48.933	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	33409	56.582	ug/l	100

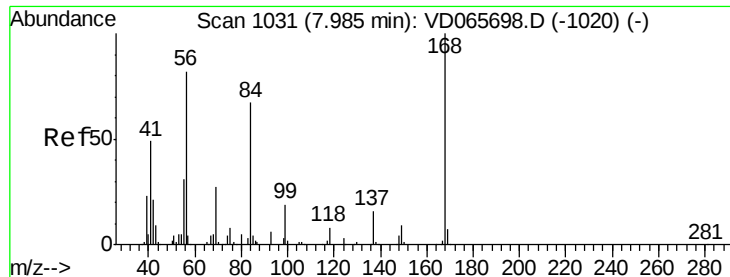
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	329238	55.384	ug/l	100
94) Hexachlorobutadiene	15.28	225	190235	47.380	ug/l	100
95) Naphthalene	15.41	128	581938	65.139	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	279870	54.623	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

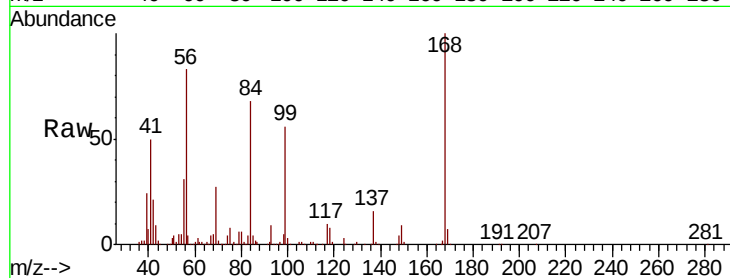
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 482959

Ion Ratio Lower Upper

168 100

99 55.3 44.2 66.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

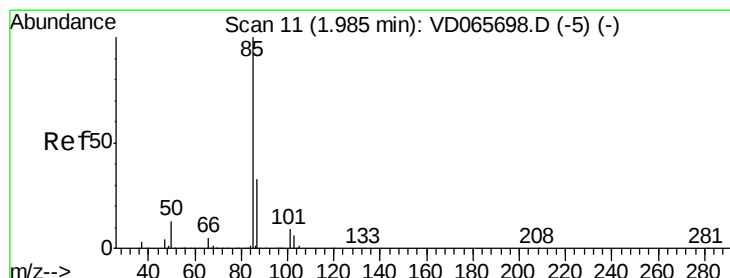
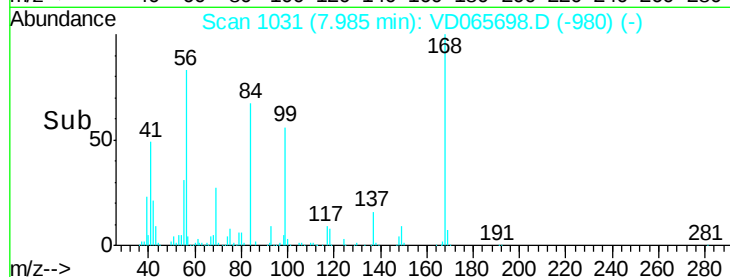
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.117 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065698.D

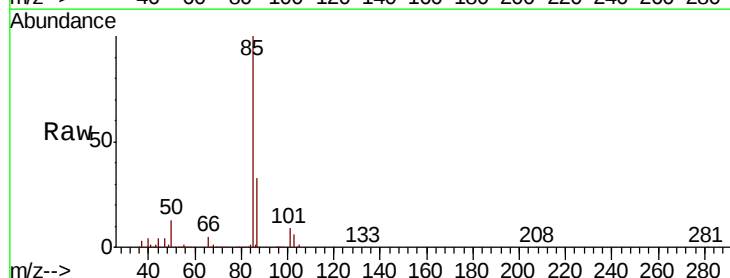
Acq: 06 May 2020 15:38

Tgt Ion: 85 Resp: 185308

Ion Ratio Lower Upper

85 100

87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

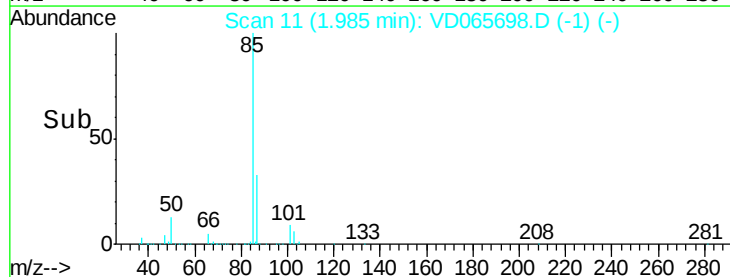
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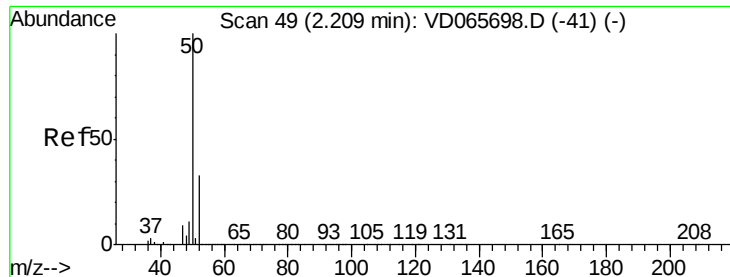
50000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 43.183 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

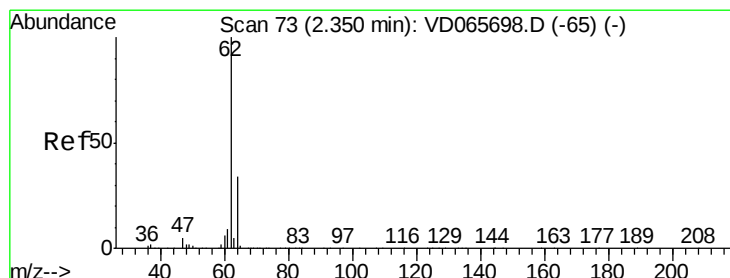
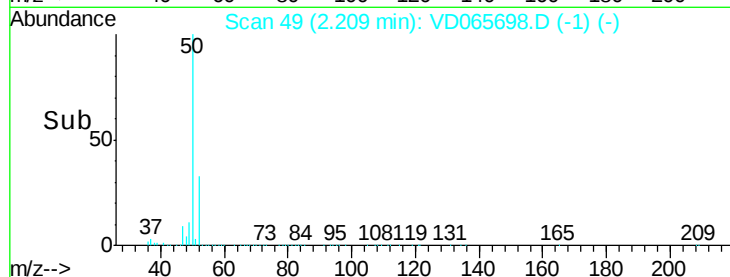
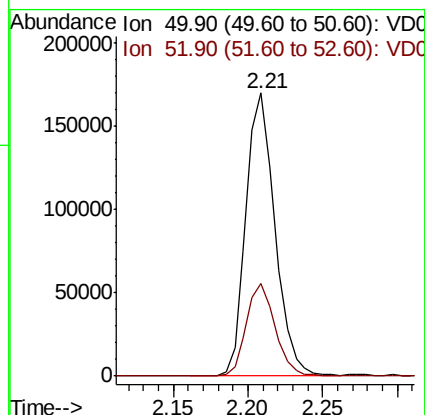
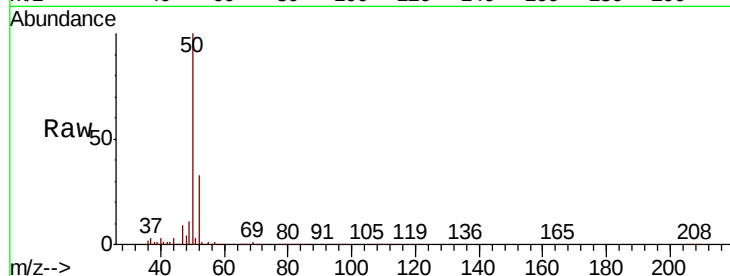
ClientSampleId :

Tot Ion: 50 Resp: 228839

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



#4

Vinyl Chloride

Concen: 47.920 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065698.D

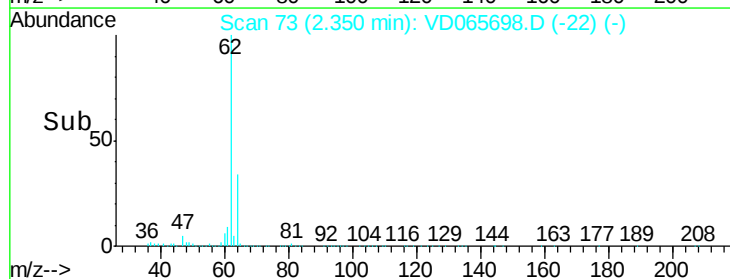
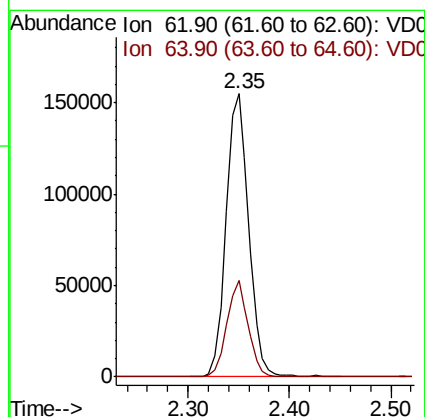
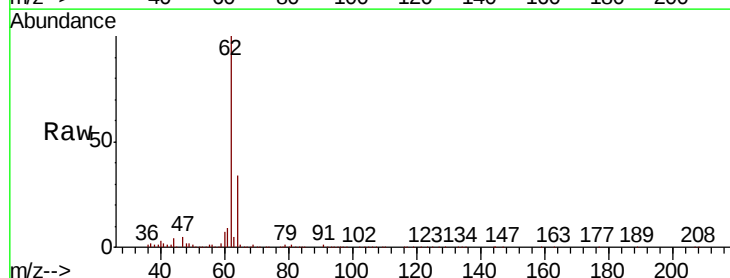
Acq: 06 May 2020 15:38

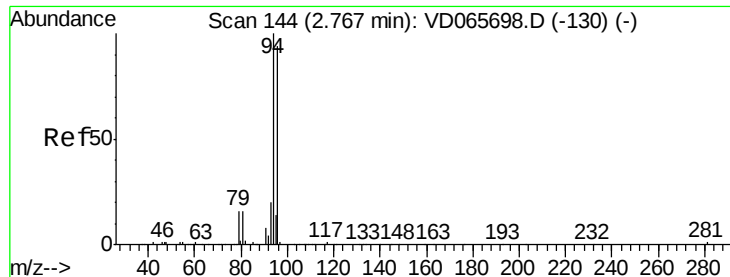
Tgt Ion: 62 Resp: 239223

Ion Ratio Lower Upper

62 100

64 34.0 27.2 40.8





#5

Bromomethane

Concen: 41.654 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

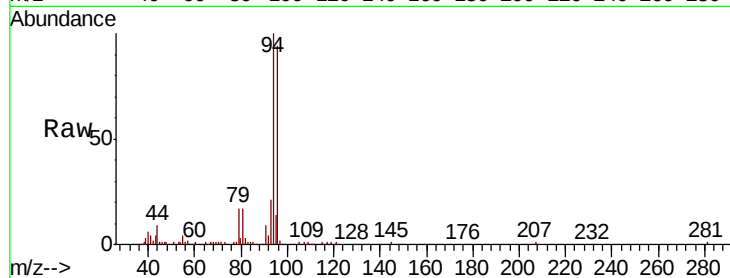
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 145521

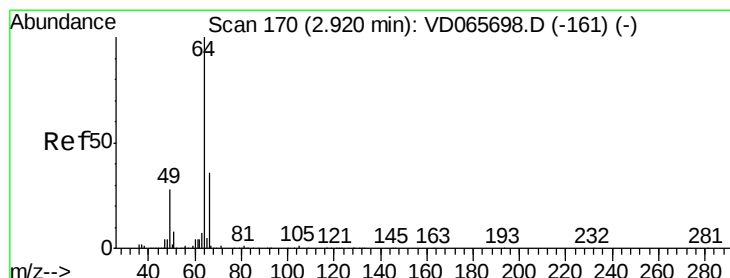
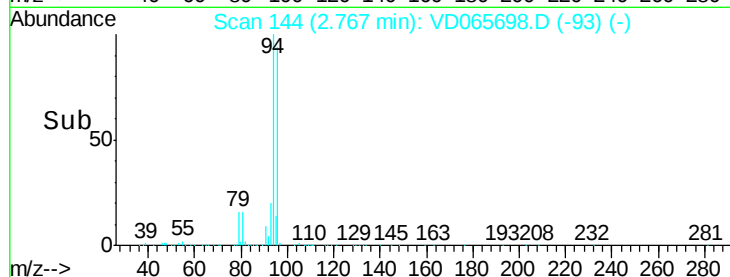
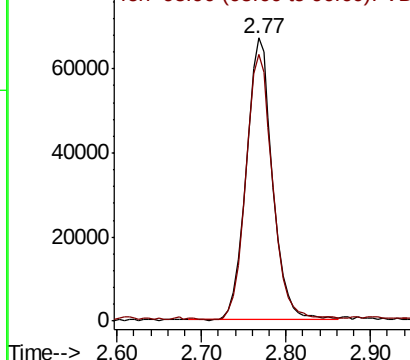
Ion Ratio Lower Upper

94 100

96 93.8 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: 48.340 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065698.D

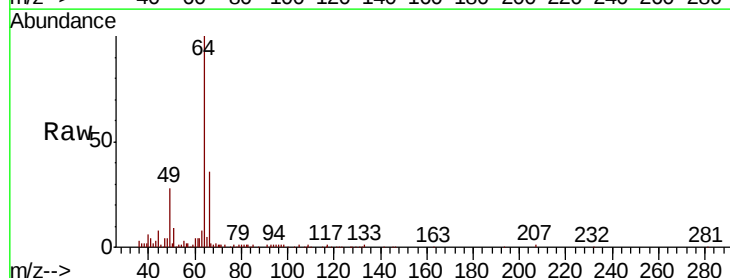
Acq: 06 May 2020 15:38

Tgt Ion: 64 Resp: 150207

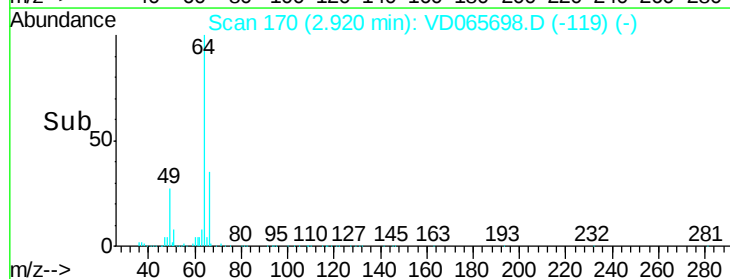
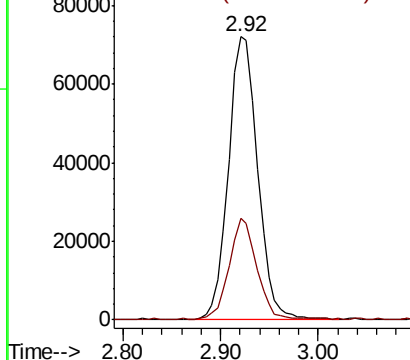
Ion Ratio Lower Upper

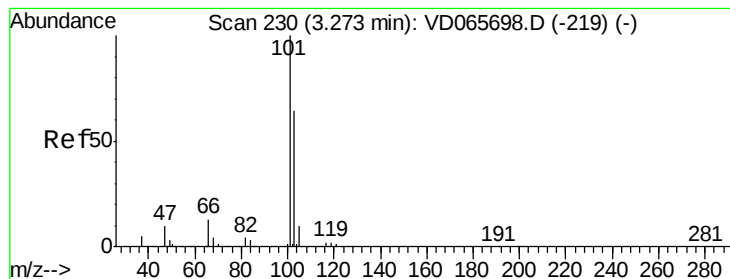
64 100

66 35.6 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



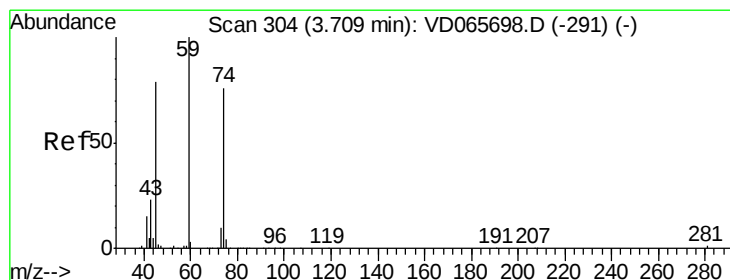
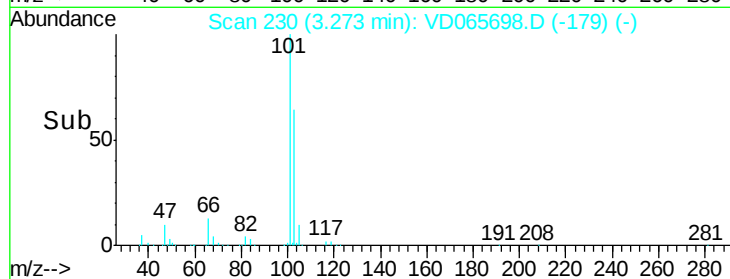
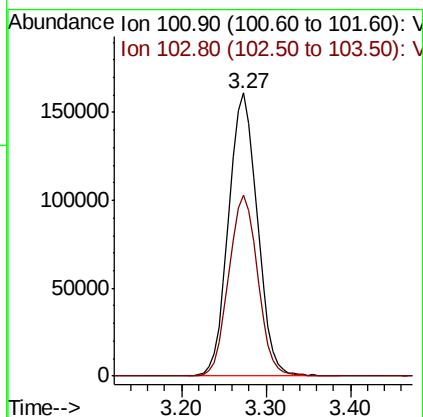
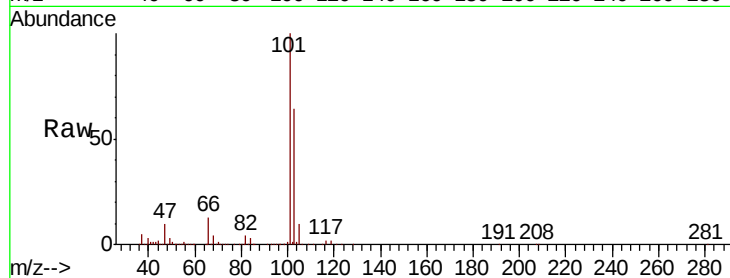


#7

Trichlorofluoromethane
Concen: 49.295 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :

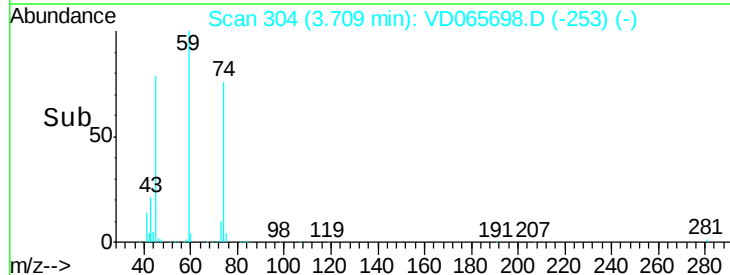
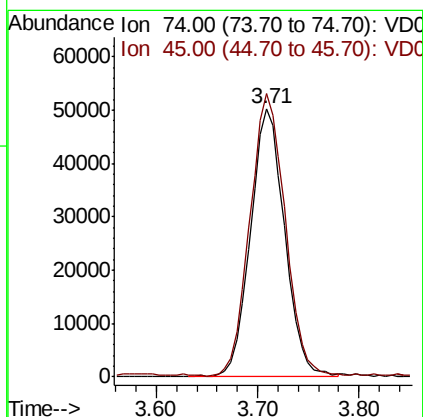
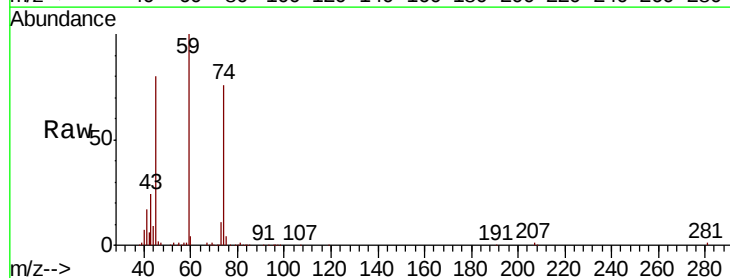
Tot Ion:101 Resp: 379862
Ion Ratio Lower Upper
101 100
103 63.9 51.1 76.7

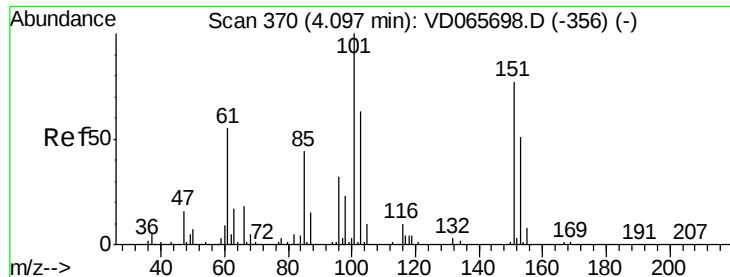


#8

Diethyl Ether
Concen: 68.727 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion: 74 Resp: 118213
Ion Ratio Lower Upper
74 100
45 110.0 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.658 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

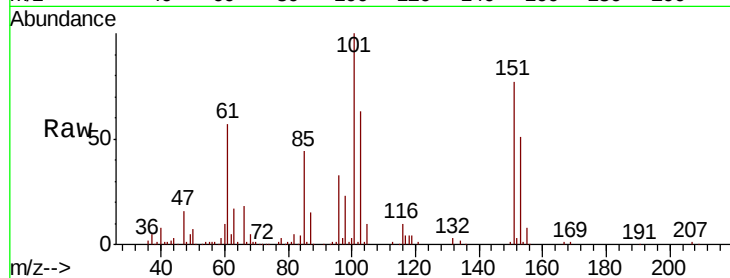
Tot Ion:101 Resp: 231165

Ion Ratio Lower Upper

101 100

85 43.0 34.4 51.6

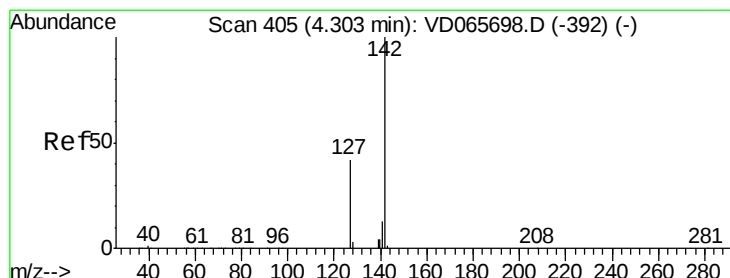
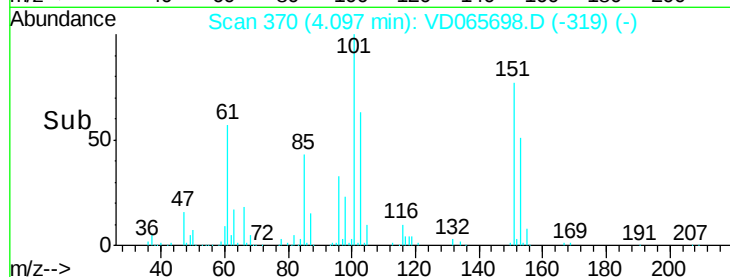
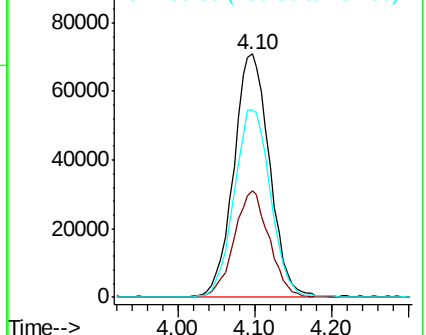
151 78.7 63.0 94.4



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: 50.589 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

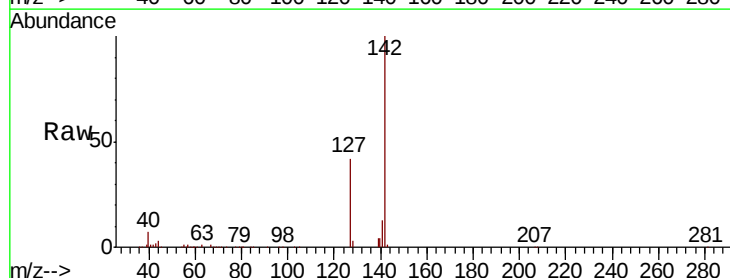
Tgt Ion:142 Resp: 240552

Ion Ratio Lower Upper

142 100

127 43.1 34.5 51.7

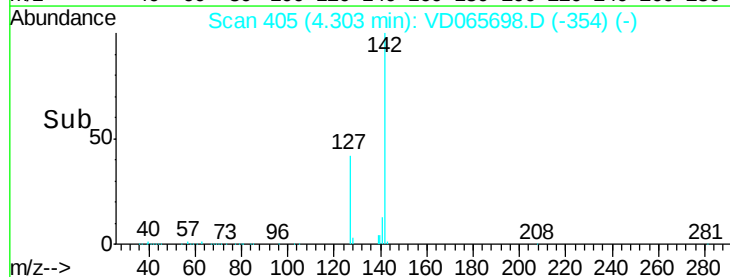
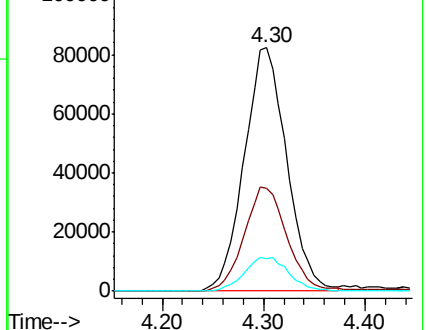
141 14.5 11.6 17.4

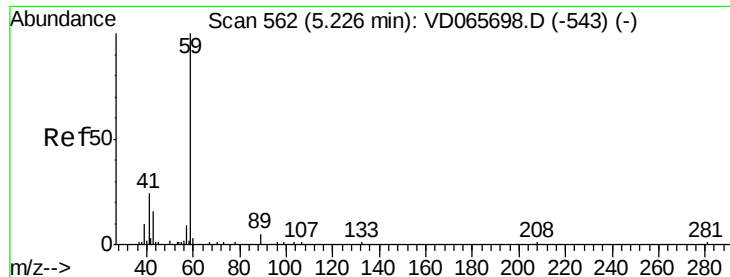


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



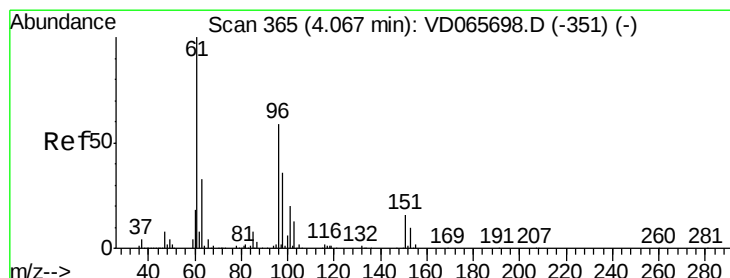
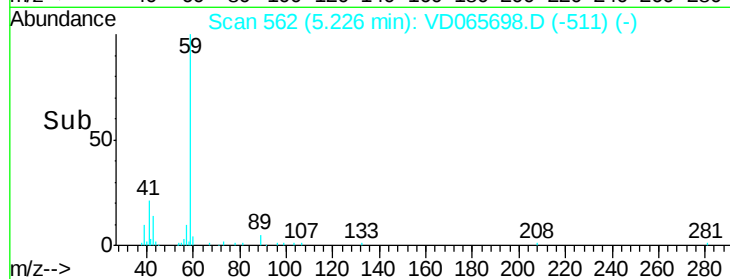
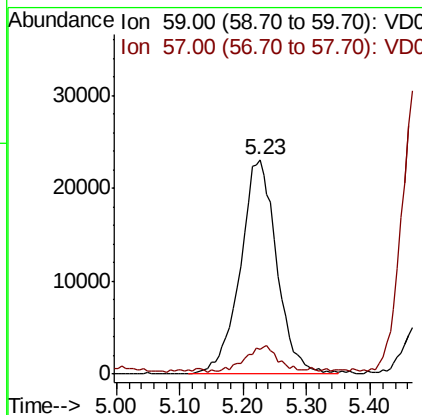
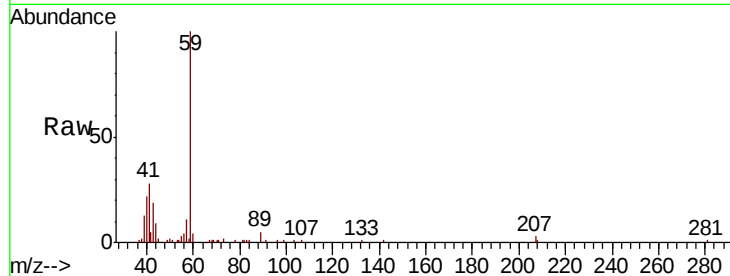


#11

Tert butyl alcohol
 Concen: 356.586 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :

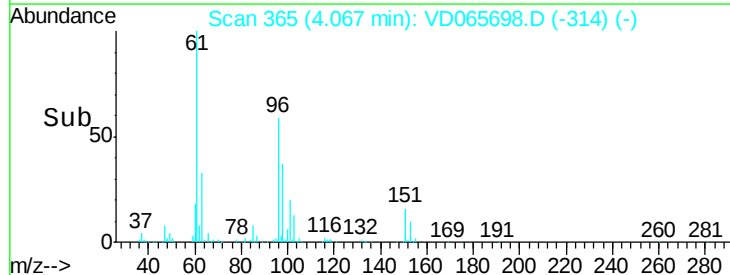
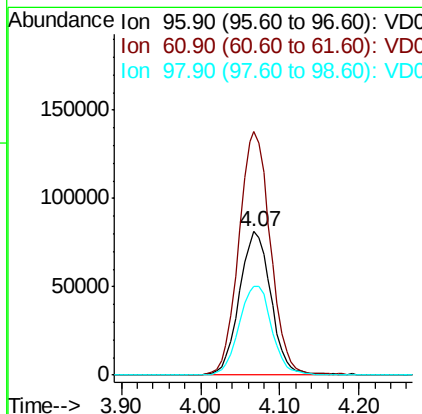
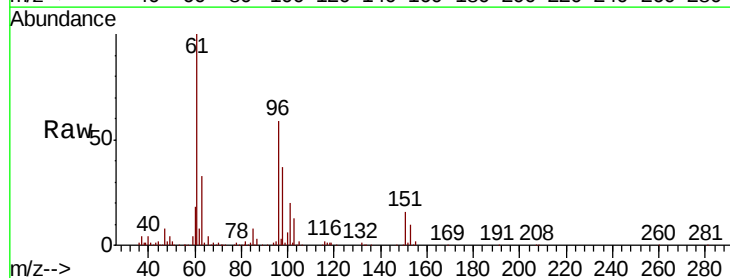
Tot Ion: 59 Resp: 92276
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.7 13.1

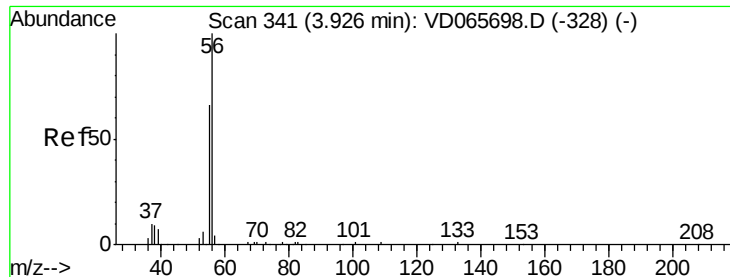


#12

1,1-Dichloroethene
 Concen: 48.921 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion: 96 Resp: 225992
 Ion Ratio Lower Upper
 96 100
 61 170.0 136.0 204.0
 98 62.1 49.7 74.5





#13

Acrolein

Concen: 269.397 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

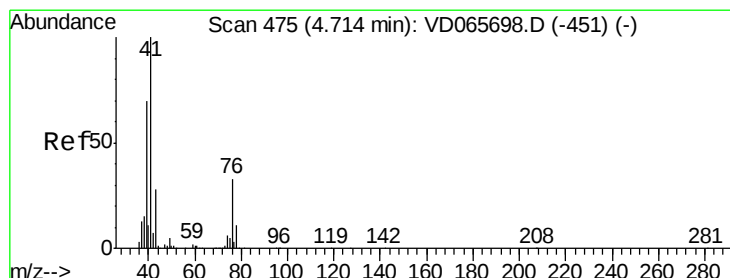
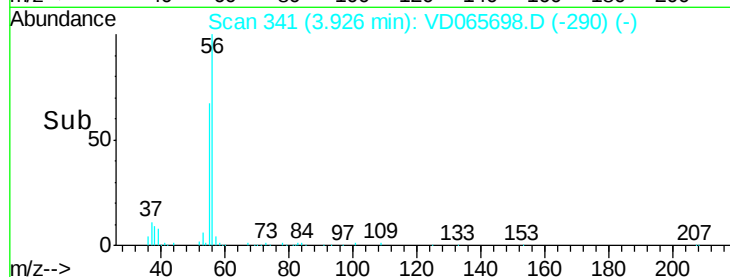
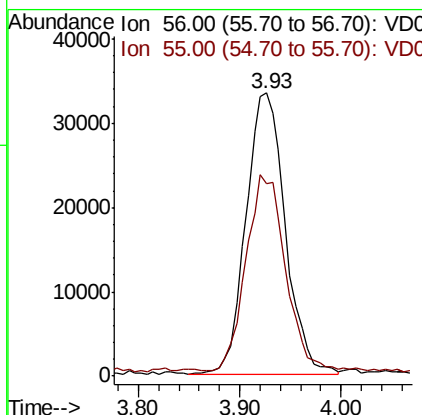
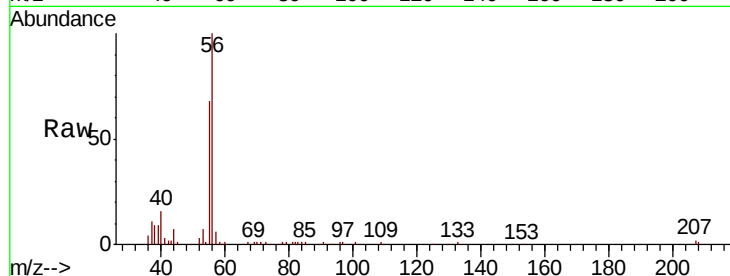
ClientSampleId :

Tot Ion: 56 Resp: 89618

Ion Ratio Lower Upper

56 100

55 70.9 56.7 85.1



#14

Allyl chloride

Concen: 61.308 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

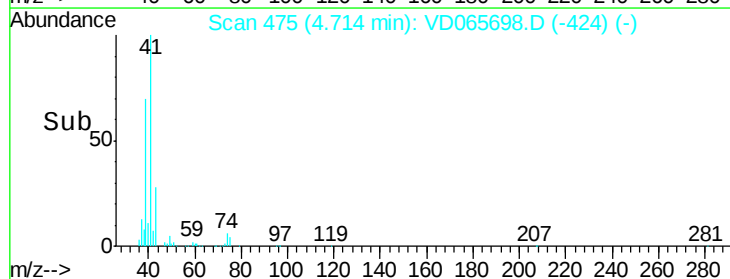
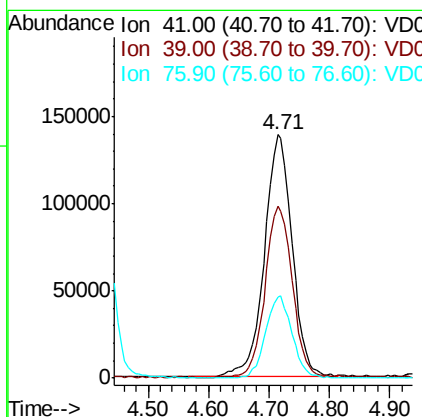
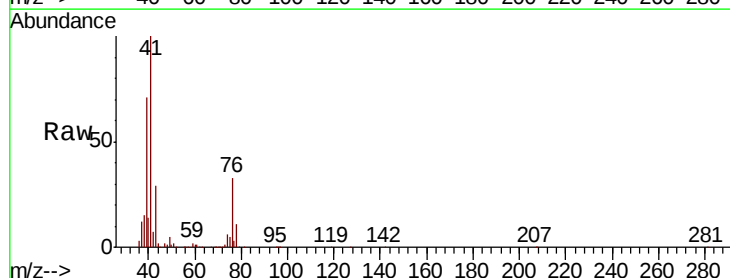
Tgt Ion: 41 Resp: 442910

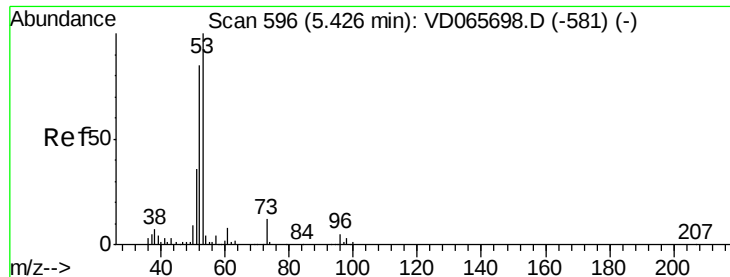
Ion Ratio Lower Upper

41 100

39 69.4 55.6 83.4

76 31.9 25.6 38.4





#15

Acrylonitrile

Concen: 284.602 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :

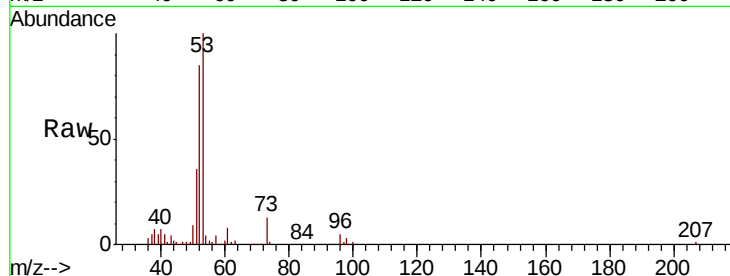
Tot Ion: 53 Resp: 276679

Ion Ratio Lower Upper

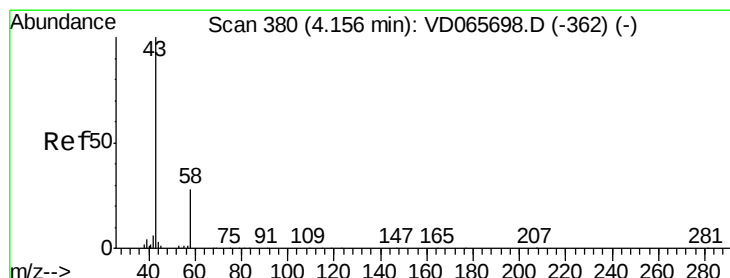
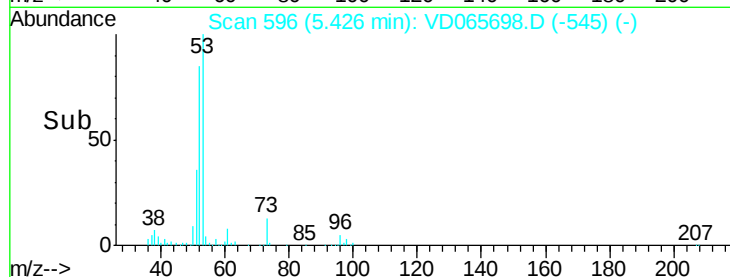
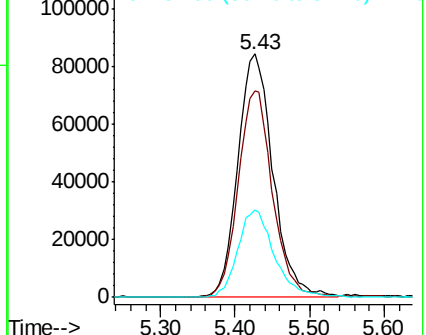
53 100

52 82.7 66.2 99.2

51 37.4 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: 312.844 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065698.D

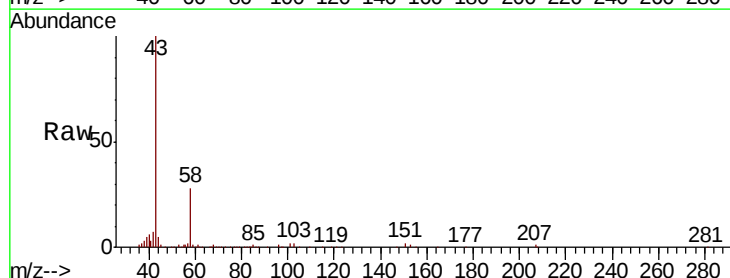
Acq: 06 May 2020 15:38

Tgt Ion: 43 Resp: 278620

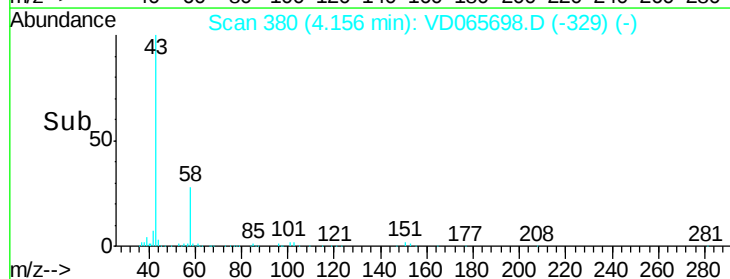
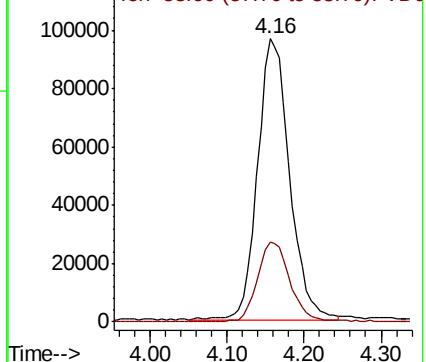
Ion Ratio Lower Upper

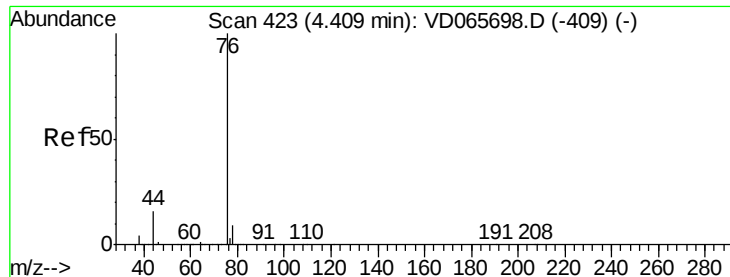
43 100

58 28.1 22.5 33.7



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

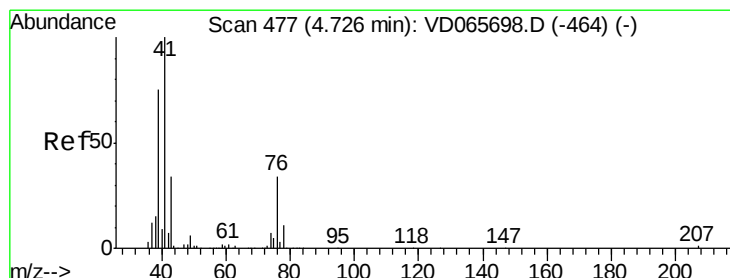
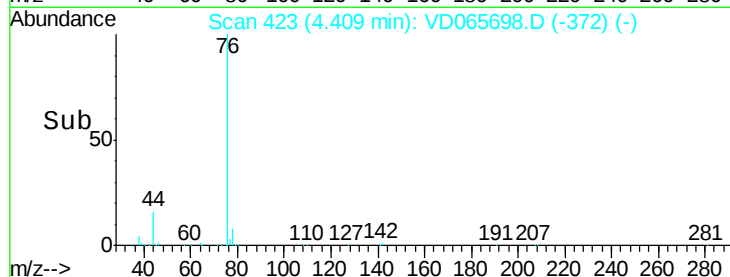
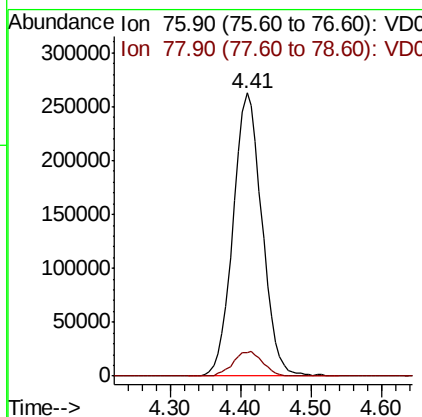
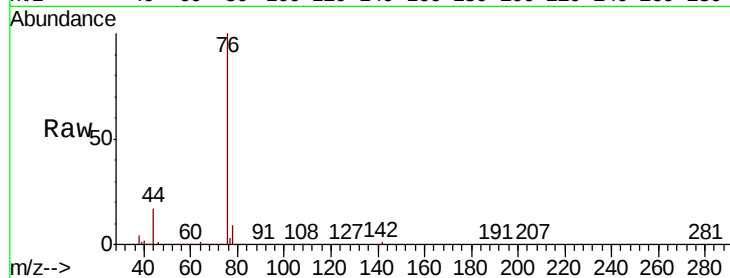




#17
Carbon Disulfide
Concen: 48.802 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

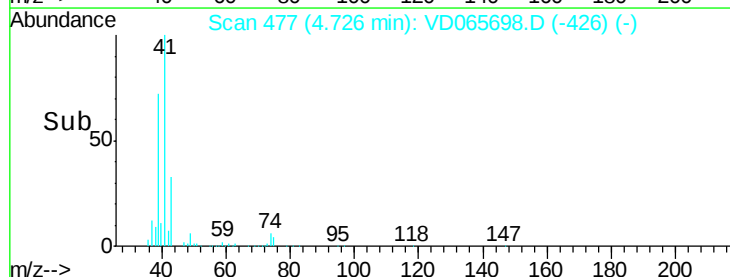
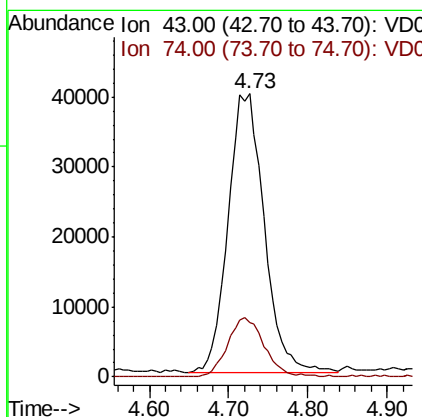
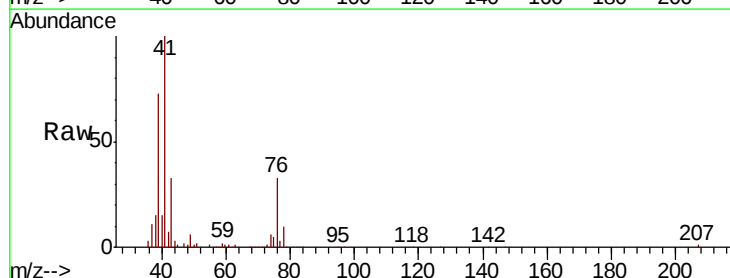
Instrument :
MSVOA_D
ClientSampleId :

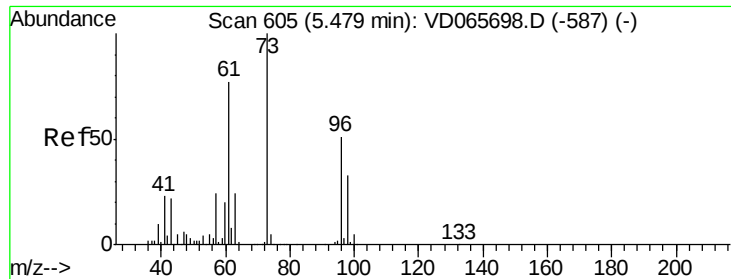
Tot Ion: 76 Resp: 747559
Ion Ratio Lower Upper
76 100
78 8.5 6.8 10.2



#18
Methyl Acetate
Concen: 51.317 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion: 43 Resp: 126528
Ion Ratio Lower Upper
43 100
74 21.4 17.1 25.7

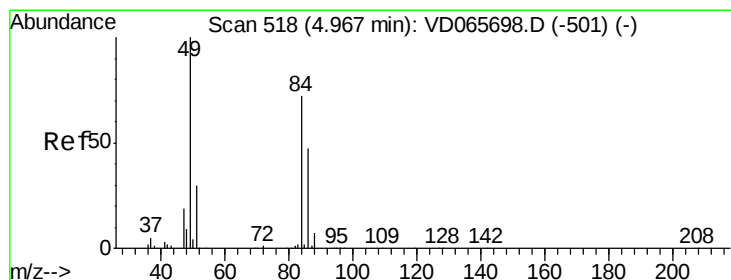
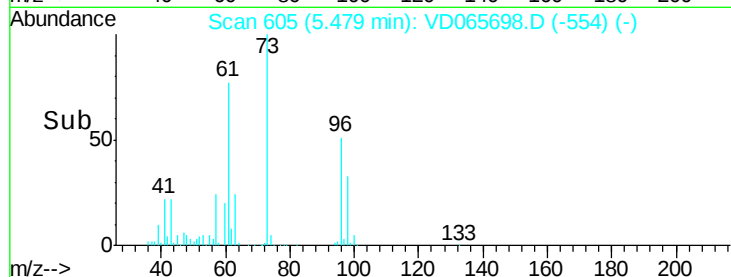
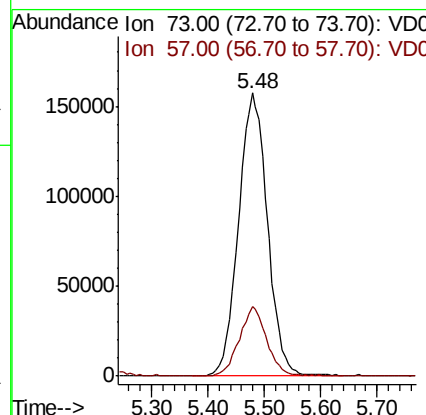
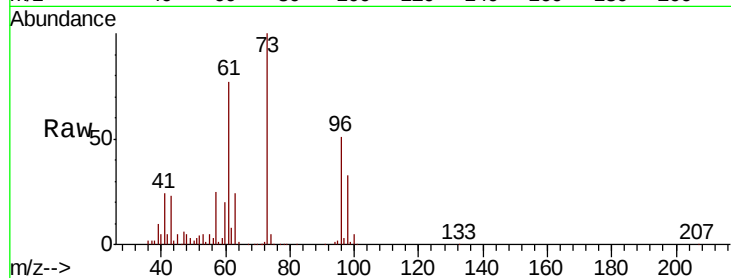




#19
Methyl tert-butyl Ether
Concen: 60.547 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

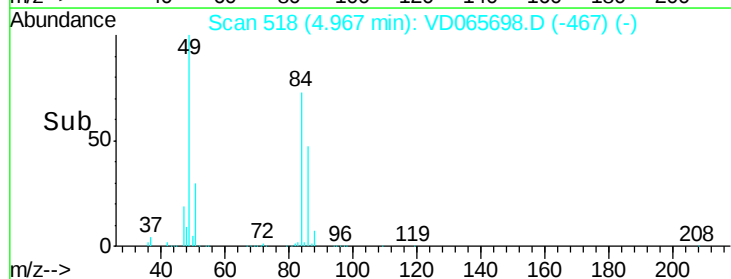
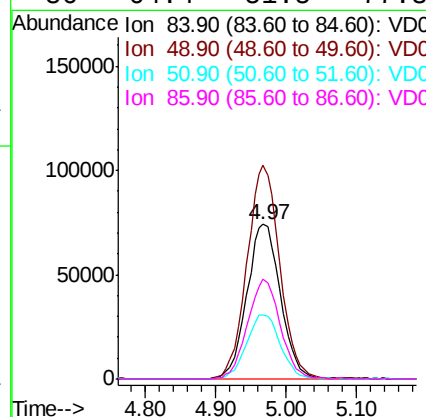
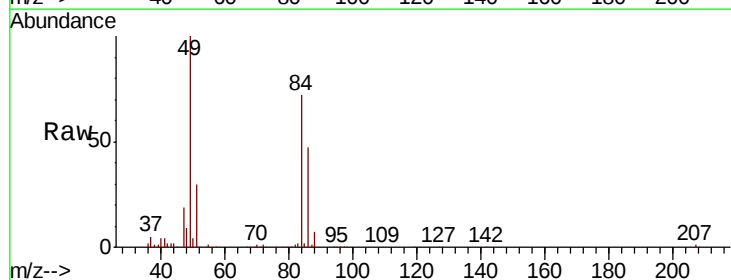
Instrument :
MSVOA_D
ClientSampled :

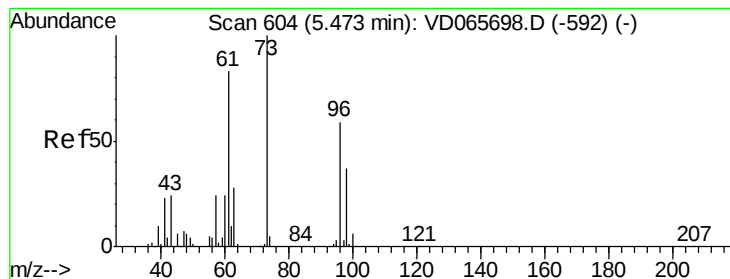
Tot Ion: 73 Resp: 563031
Ion Ratio Lower Upper
73 100
57 24.2 19.4 29.0



#20
Methylene Chloride
Concen: 45.270 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion: 84 Resp: 246620
Ion Ratio Lower Upper
84 100
49 138.0 110.4 165.6
51 41.8 33.4 50.2
86 64.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.730 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

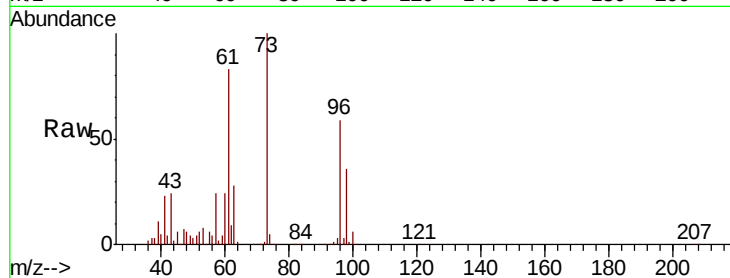
Tot Ion: 96 Resp: 252535

Ion Ratio Lower Upper

96 100

61 141.2 113.0 169.4

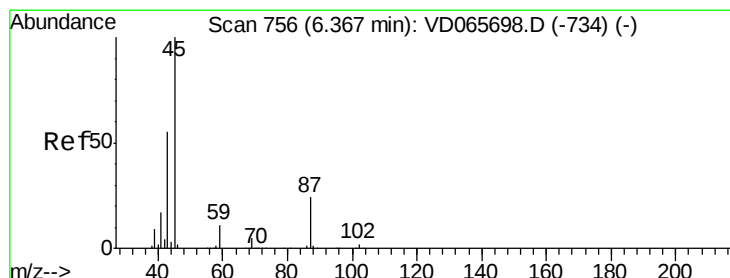
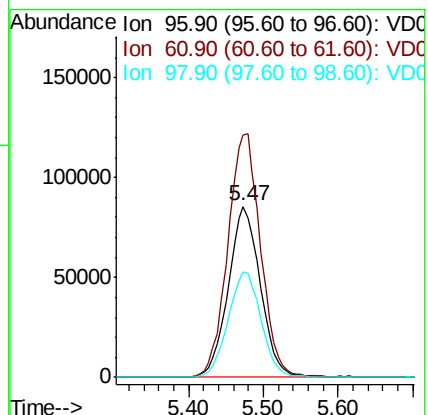
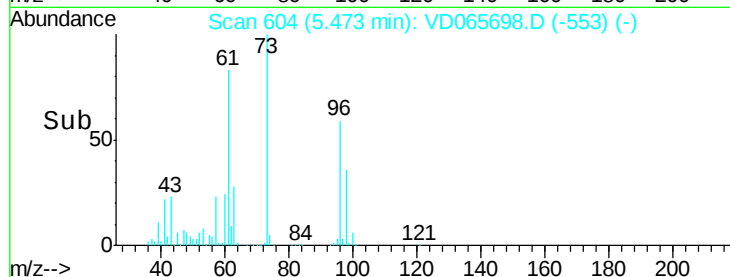
98 61.9 49.5 74.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 61.641 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Tgt Ion: 45 Resp: 847179

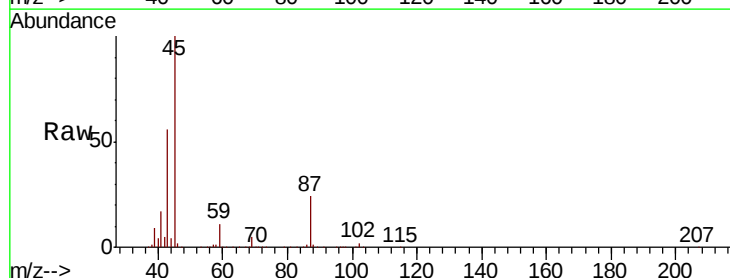
Ion Ratio Lower Upper

45 100

43 55.3 44.2 66.4

87 23.7 19.0 28.4

59 10.8 8.6 13.0

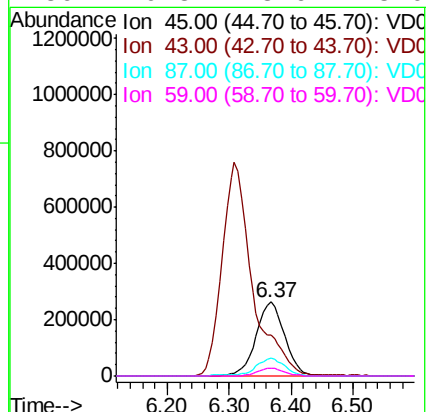
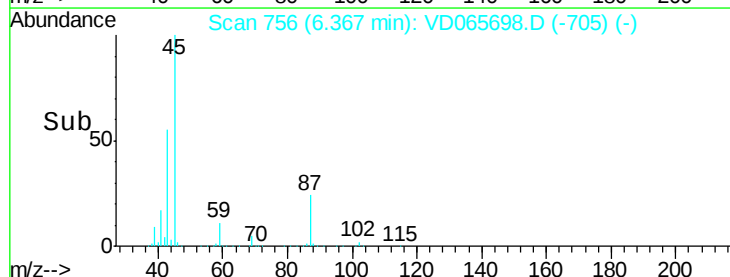


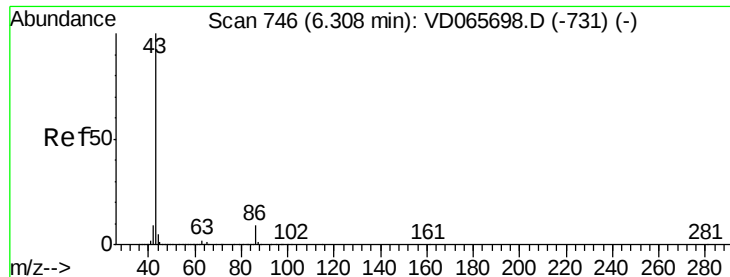
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 343.996 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

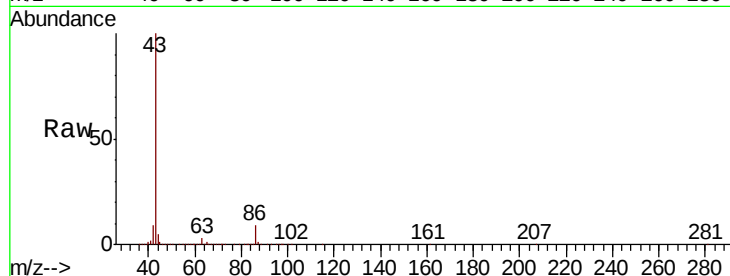
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2584423

Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

800000

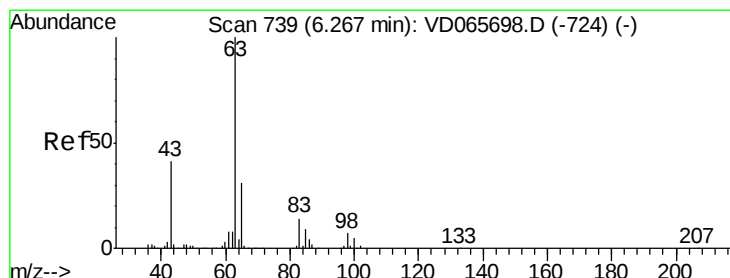
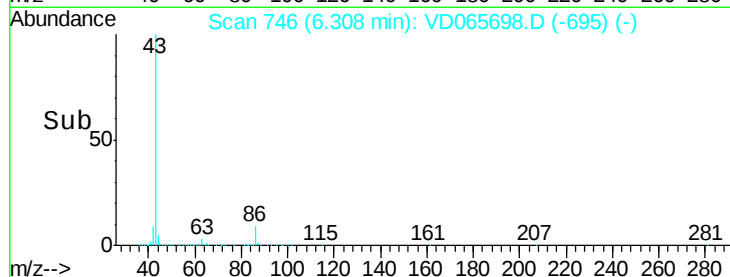
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 51.350 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

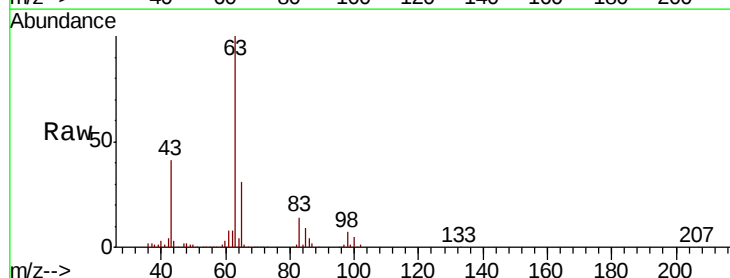
Tgt Ion: 63 Resp: 454629

Ion Ratio Lower Upper

63 100

98 6.8 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

200000

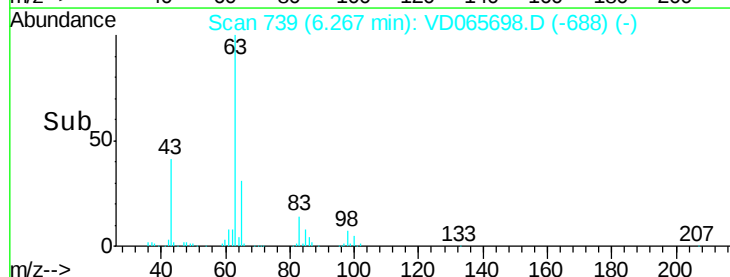
150000

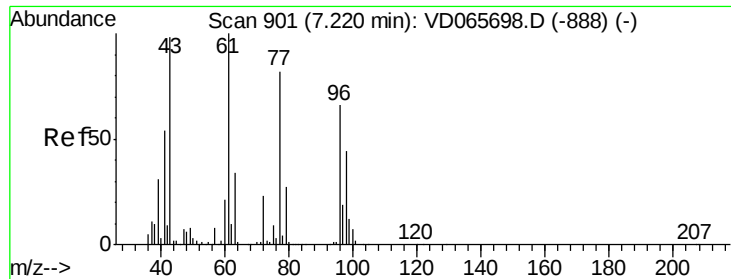
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 320.697 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

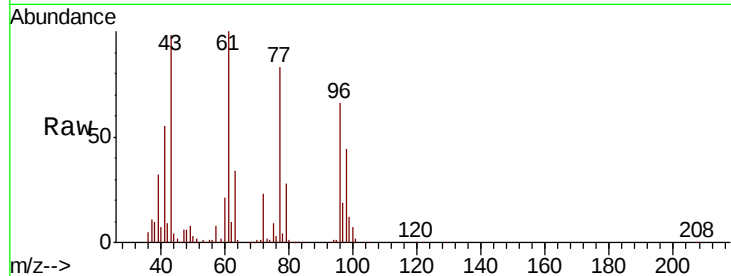
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 389719

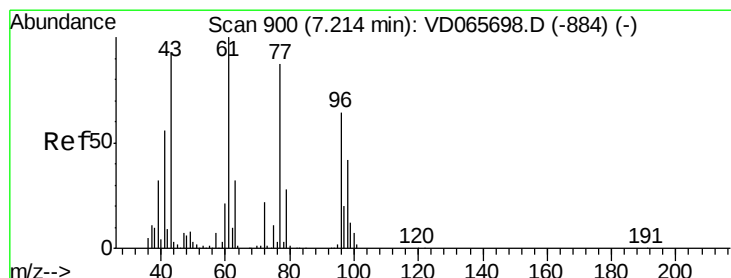
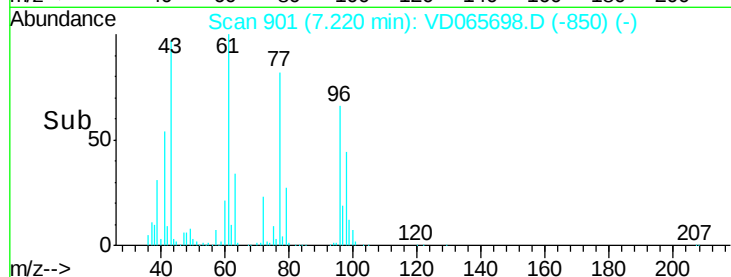
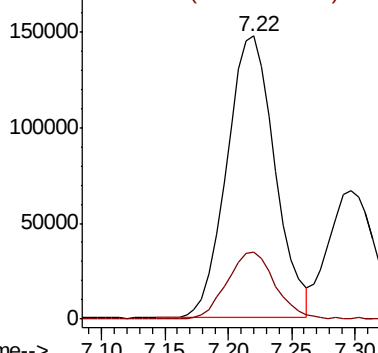
Ion Ratio Lower Upper

43 100

72 24.0 19.2 28.8



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



#26

2,2-Dichloropropane

Concen: 50.884 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065698.D

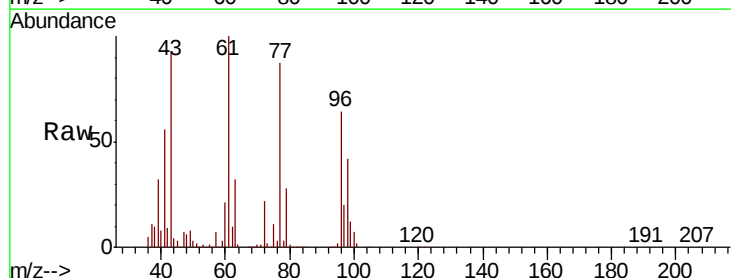
Acq: 06 May 2020 15:38

Tgt Ion: 77 Resp: 403833

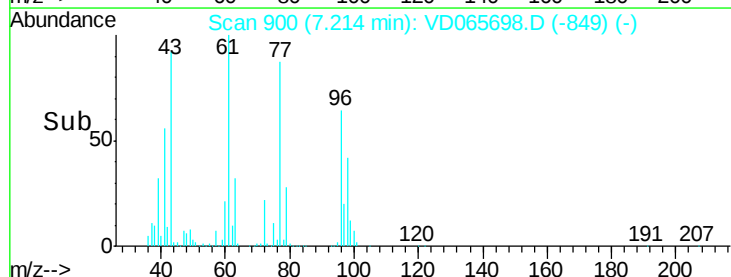
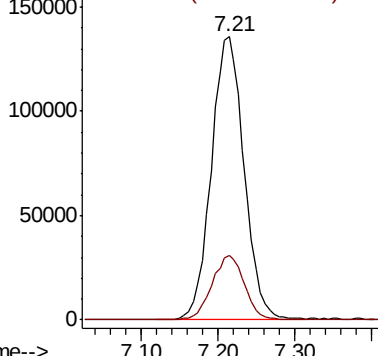
Ion Ratio Lower Upper

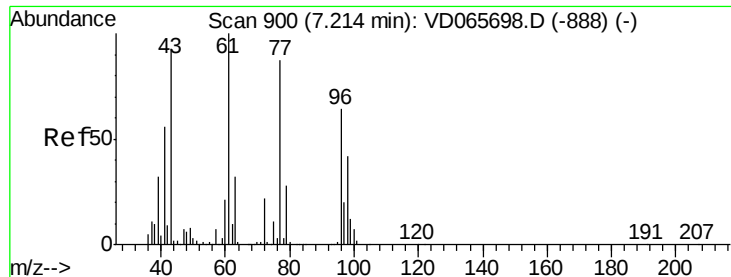
77 100

97 22.6 11.3 33.9



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



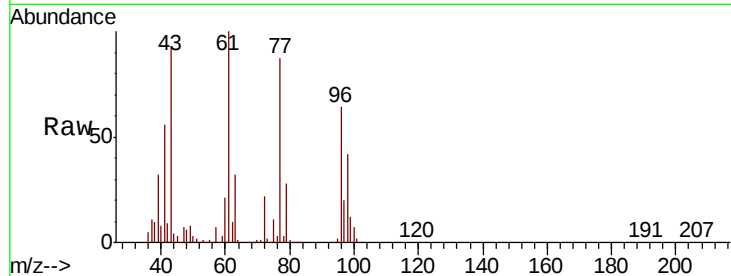


#27

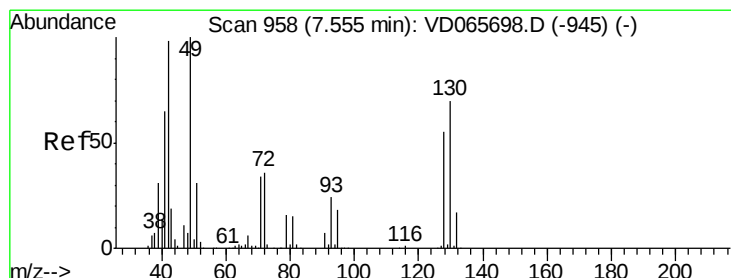
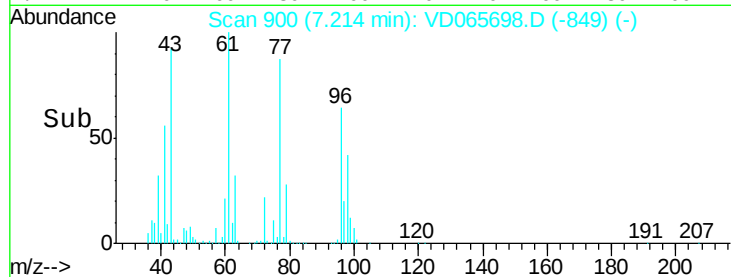
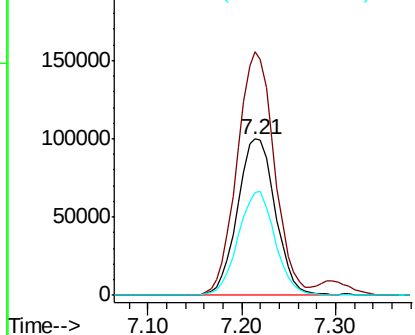
cis-1,2-Dichloroethene
 Concen: 51.961 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 279819
 Ion Ratio Lower Upper
 96 100
 61 153.3 0.0 306.6
 98 64.7 0.0 129.4



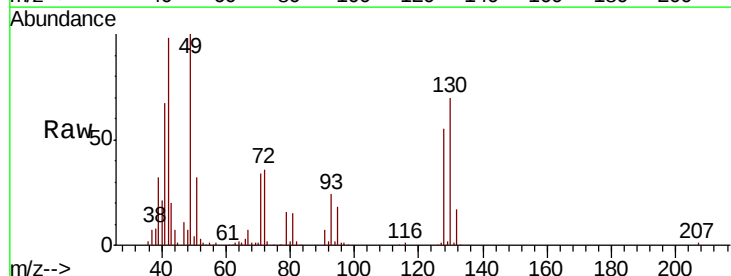
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



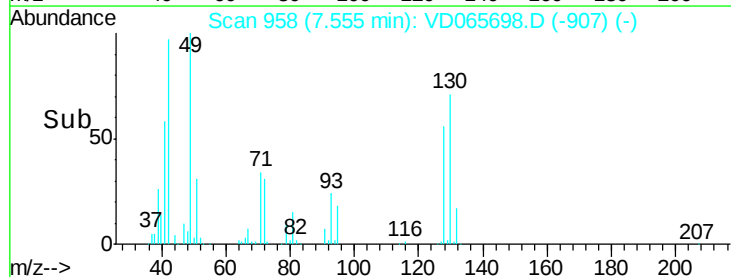
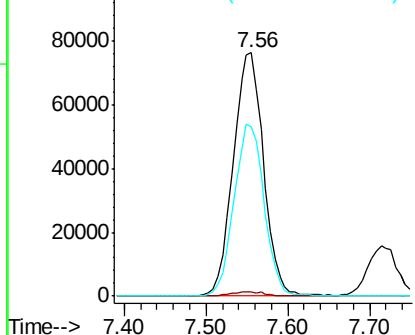
#28

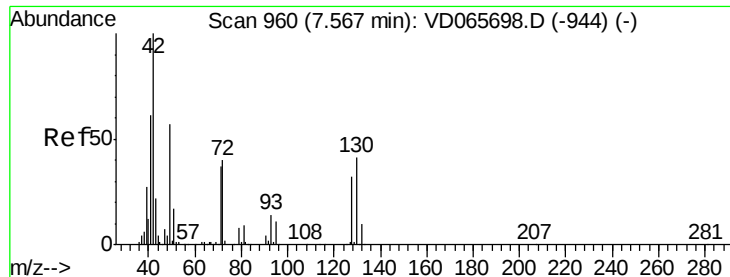
Bromochloromethane
 Concen: 54.296 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion: 49 Resp: 197113
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.8
 130 70.5 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: 324.088 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

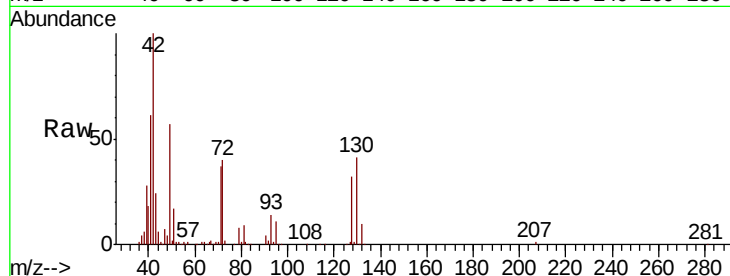
Tot Ion: 42 Resp: 246804

Ion Ratio Lower Upper

42 100

72 38.0 30.4 45.6

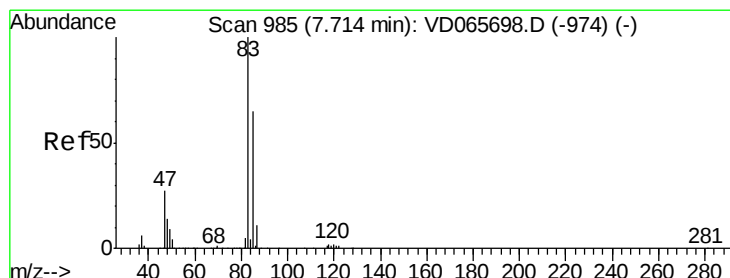
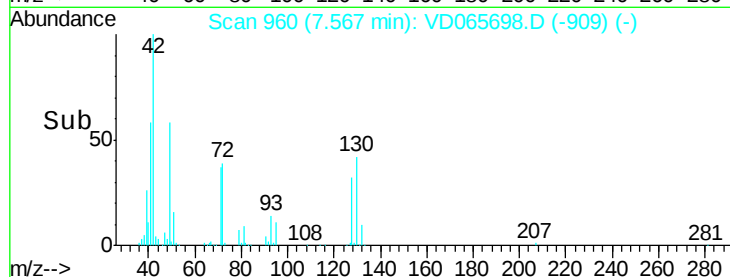
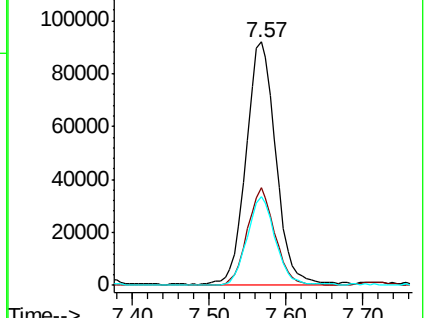
71 35.0 28.0 42.0



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 47.748 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065698.D

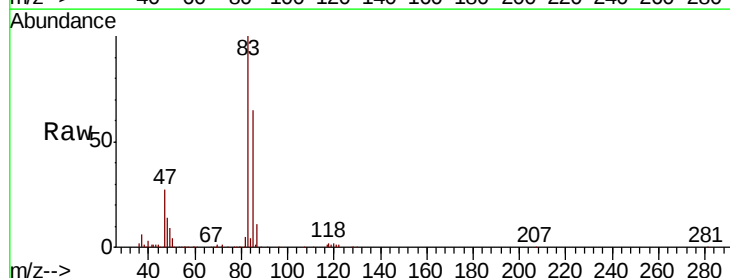
Acq: 06 May 2020 15:38

Tgt Ion: 83 Resp: 435905

Ion Ratio Lower Upper

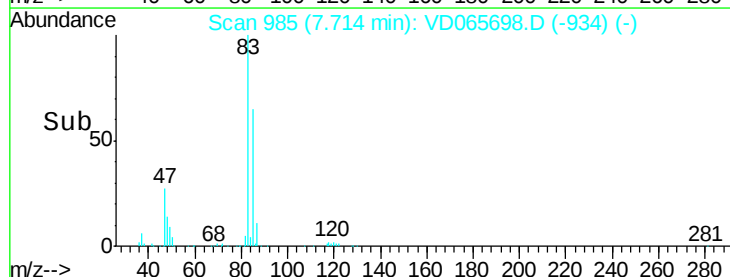
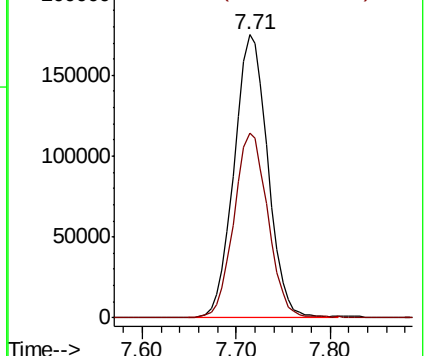
83 100

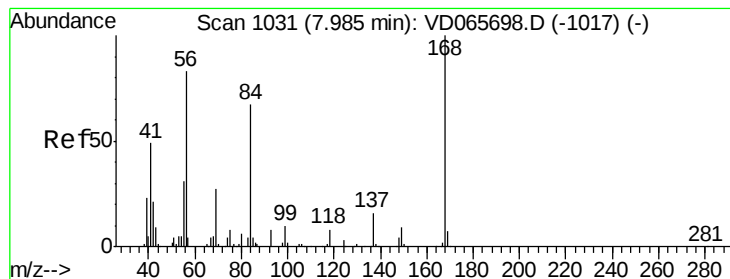
85 65.1 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 53.548 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

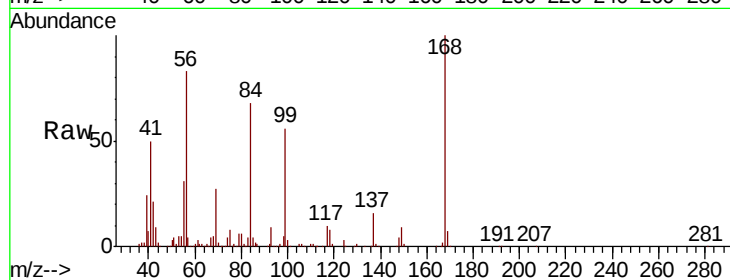
Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 446837

Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.3	39.5
84	80.6	64.5	96.7

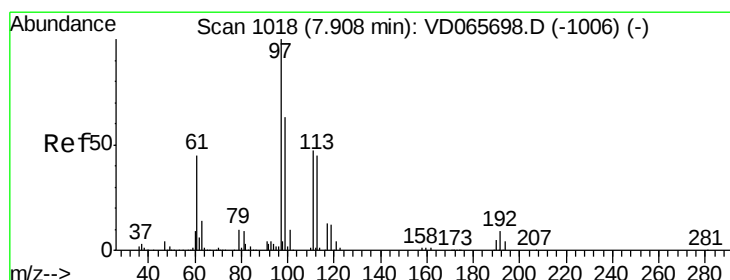
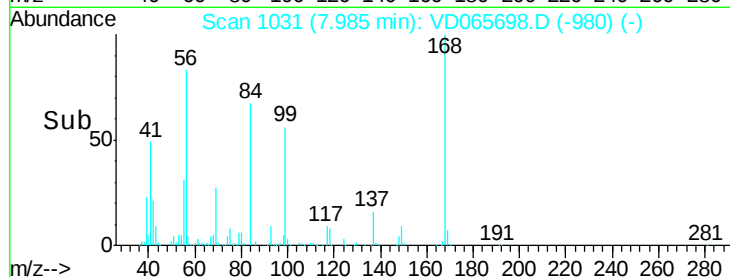
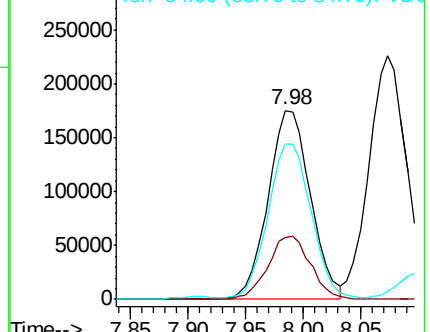


Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 48.771 ug/l

RT: 7.91 min Scan# 1018

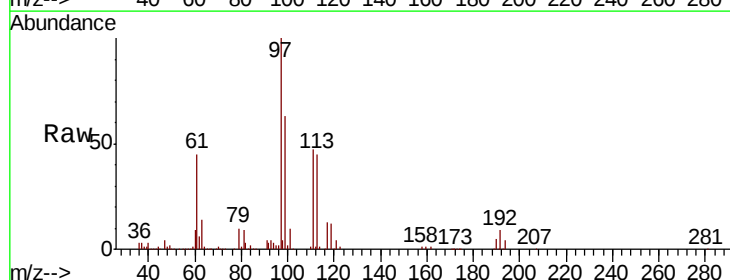
Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Tgt Ion: 97 Resp: 403711

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	45.0	36.0	54.0

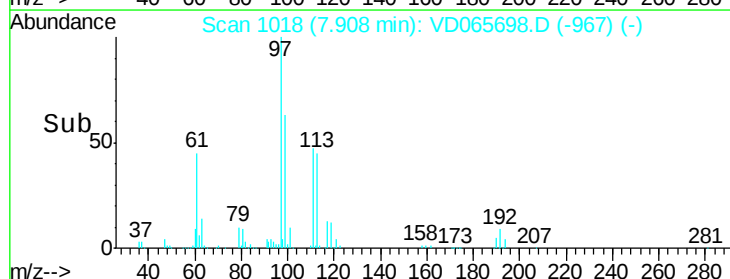
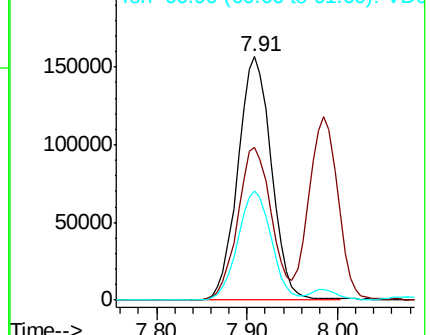


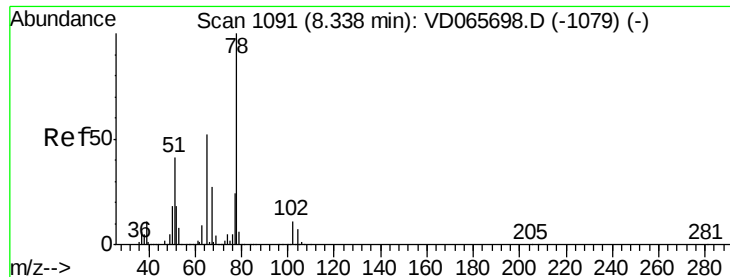
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

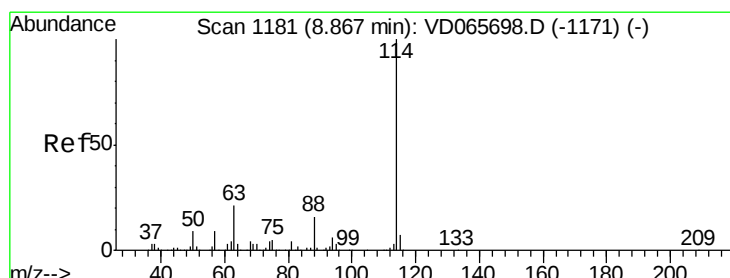
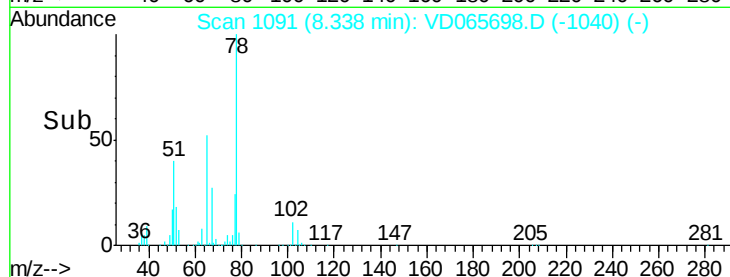
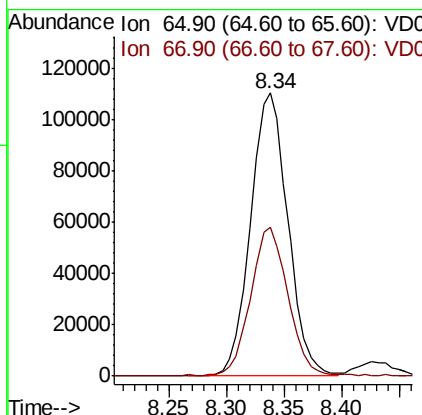
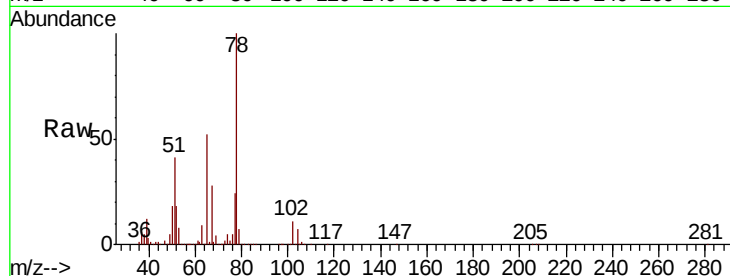




#33
 1,2-Dichloroethane-d4
 Concen: 53.125 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

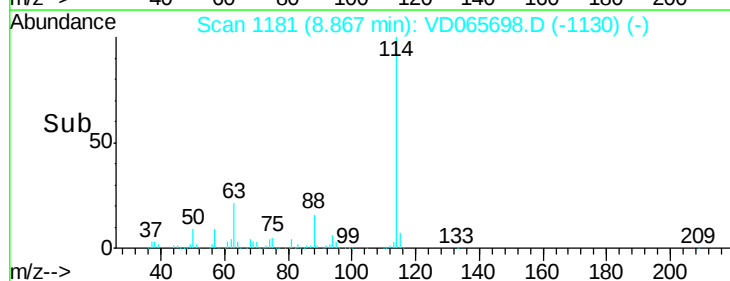
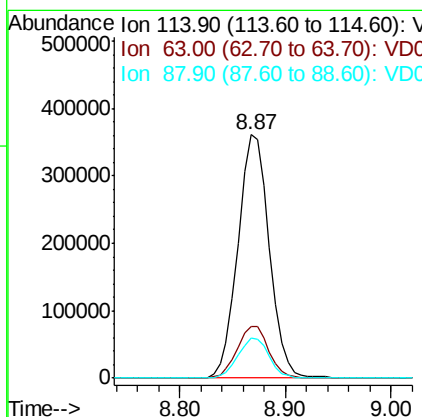
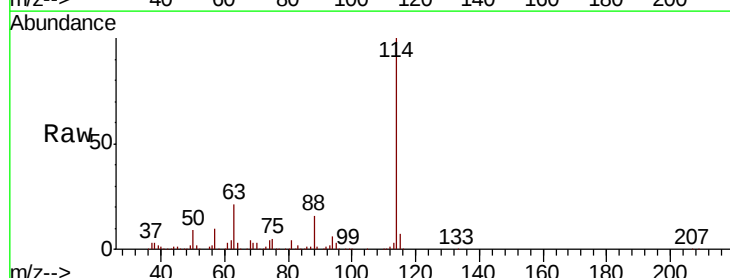
Instrument :
 MSVOA_D
 ClientSampleId :

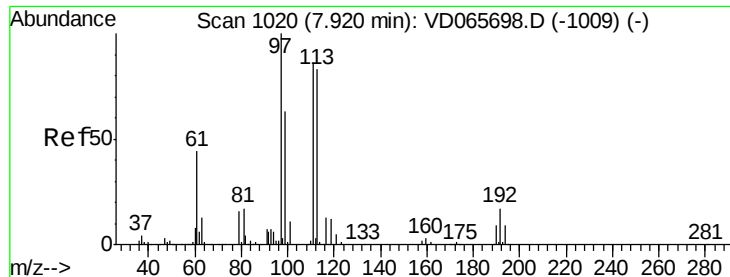
Tot Ion: 65 Resp: 249339
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion: 114 Resp: 744377
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 16.3 0.0 32.6

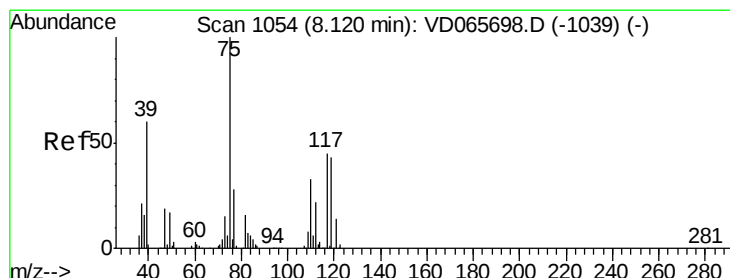
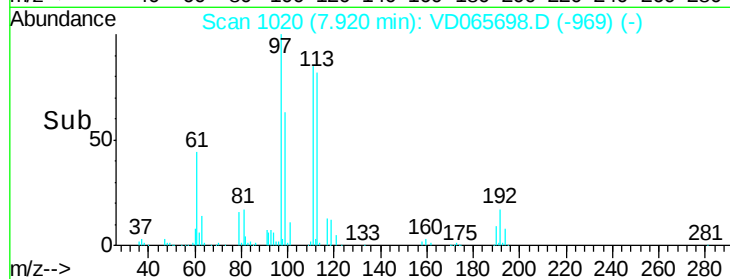
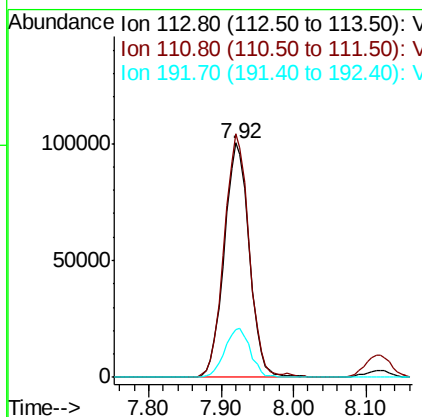
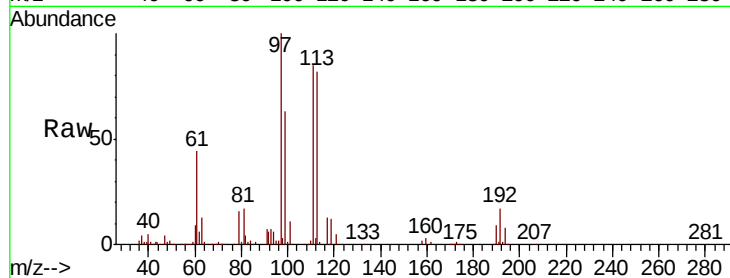




#35
 Dibromofluoromethane
 Concen: 47.117 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

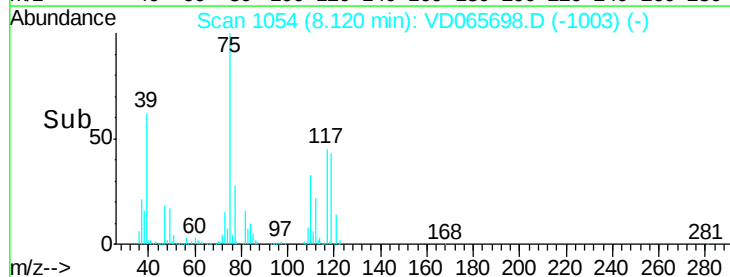
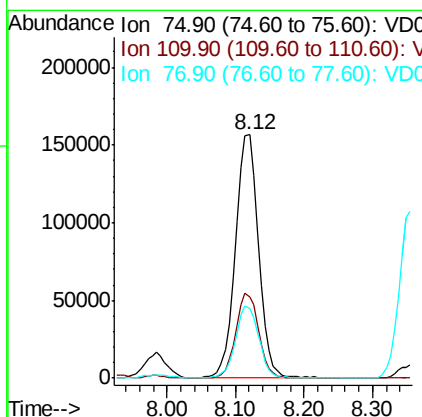
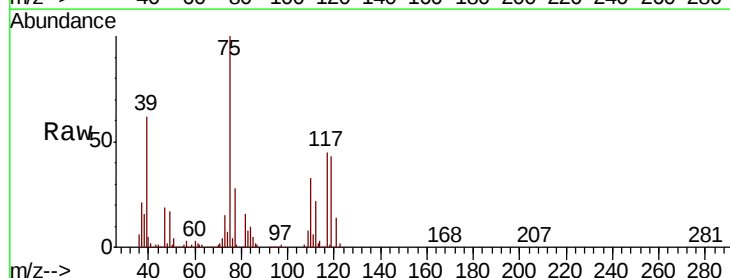
Instrument :
 MSVOA_D
 ClientSampled :

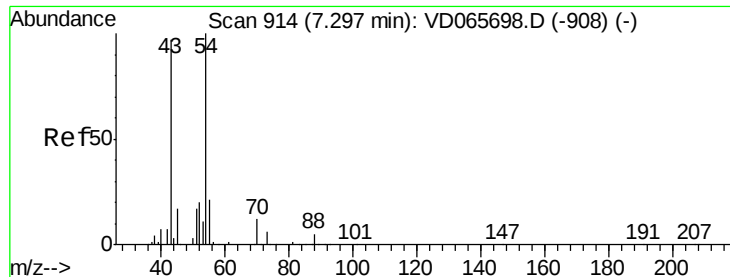
Tot Ion:113 Resp: 241100
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.7 124.1
 192 21.2 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 48.852 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion: 75 Resp: 367264
 Ion Ratio Lower Upper
 75 100
 110 34.4 17.2 51.6
 77 29.6 23.7 35.5

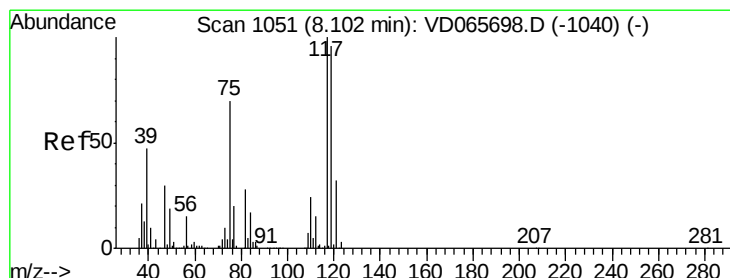
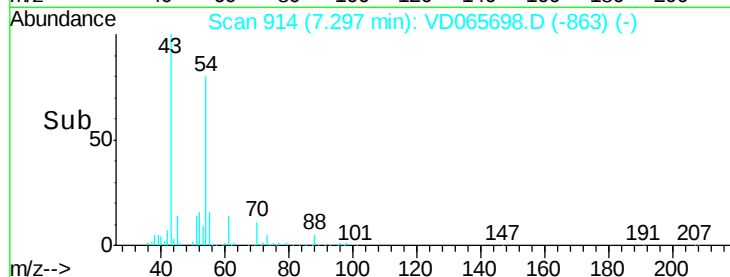
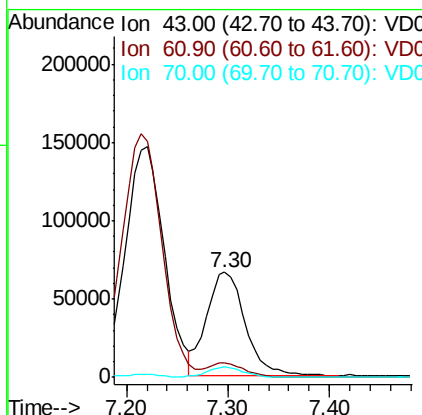
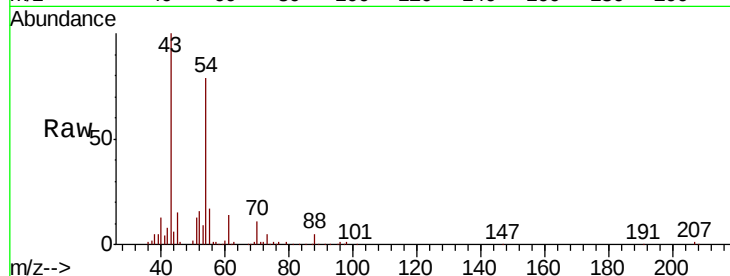




#37
Ethyl Acetate
Concen: 59.428 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

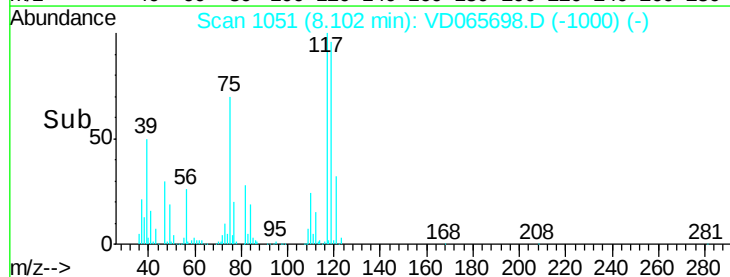
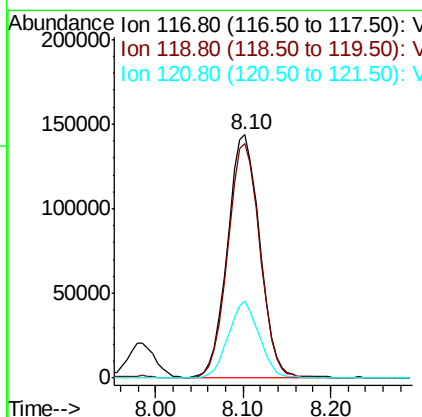
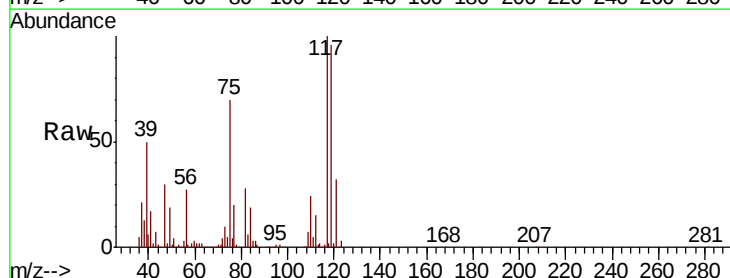
Instrument :
MSVOA_D
ClientSampled :

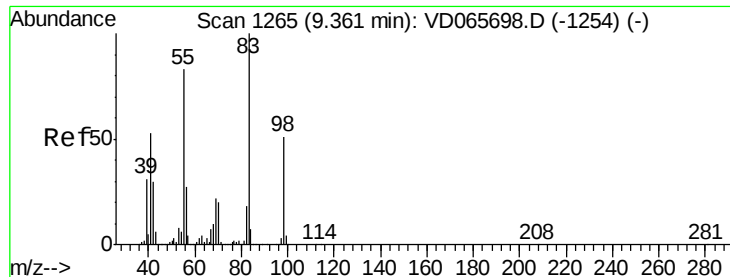
Tot Ion: 43 Resp: 175936
Ion Ratio Lower Upper
43 100
61 12.4 9.9 14.9
70 9.1 7.3 10.9



#38
Carbon Tetrachloride
Concen: 44.685 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion: 117 Resp: 359589
Ion Ratio Lower Upper
117 100
119 96.4 77.1 115.7
121 31.9 25.5 38.3

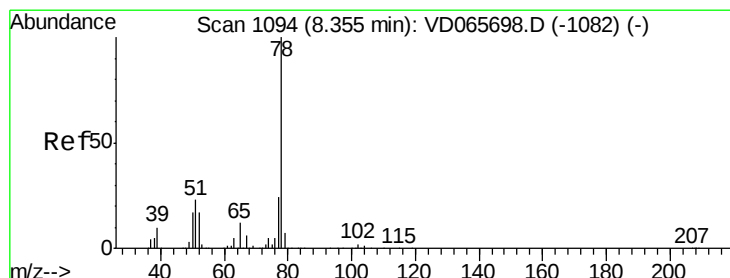
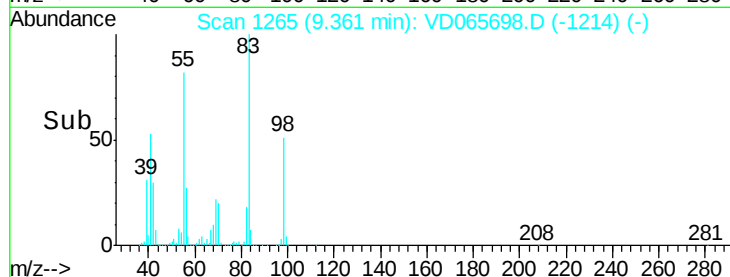
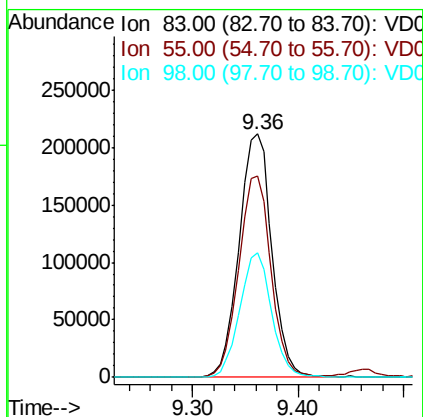
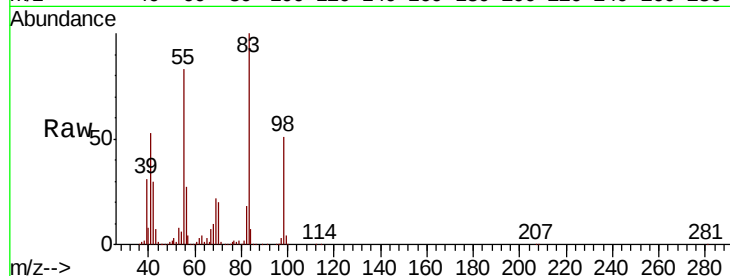




#39
Methvlcvclohexane
Concen: 53.247 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

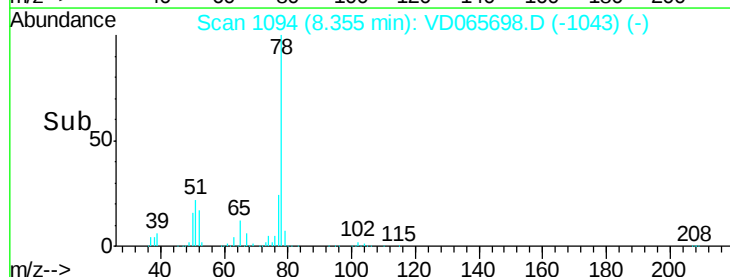
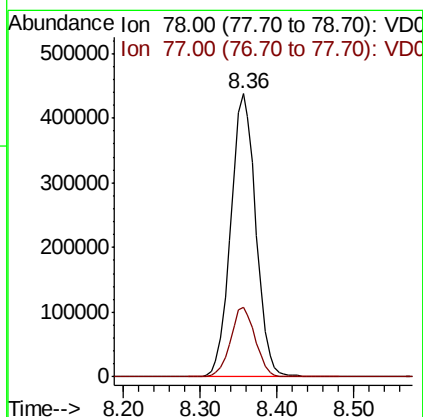
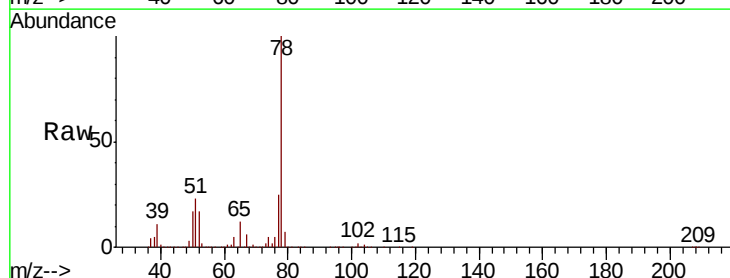
Instrument :
MSVOA_D
ClientSampled :

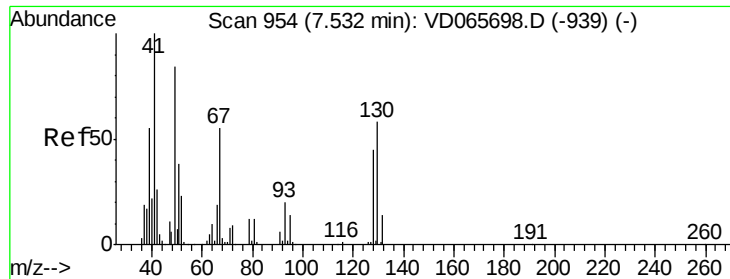
Tot Ion: 83 Resp: 455176
Ion Ratio Lower Upper
83 100
55 82.5 66.0 99.0
98 51.2 41.0 61.4



#40
Benzene
Concen: 46.884 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion: 78 Resp: 998884
Ion Ratio Lower Upper
78 100
77 24.5 19.6 29.4

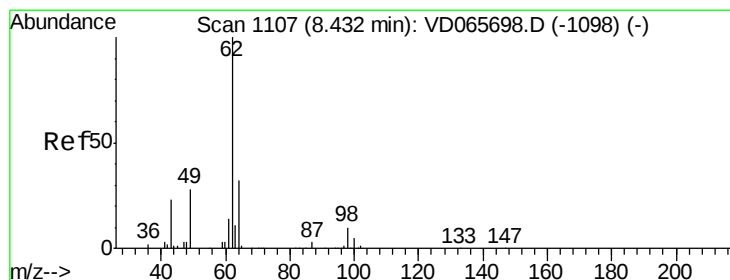
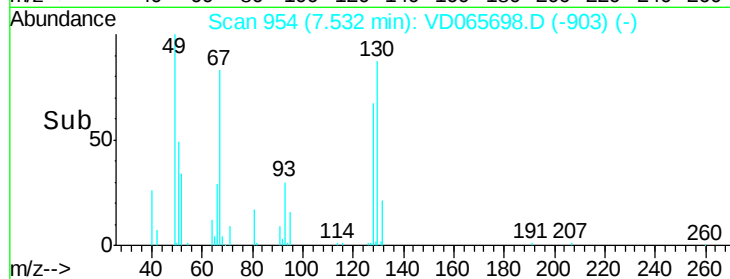
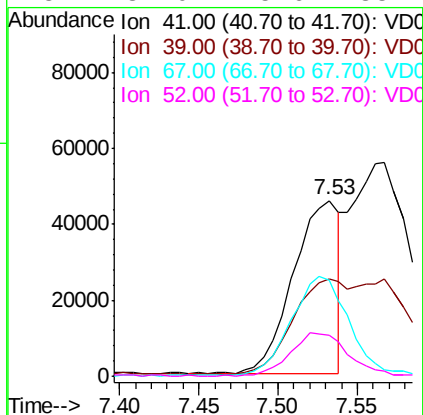
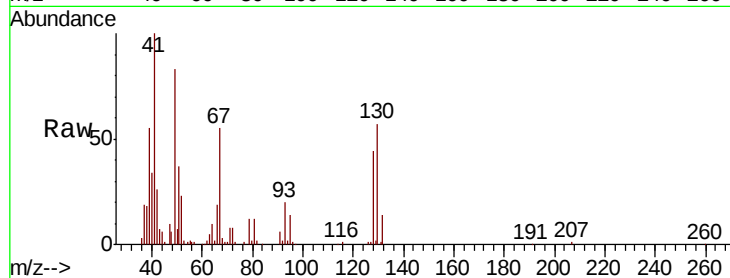




#41
Methacrylonitrile
Concen: 55.909 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

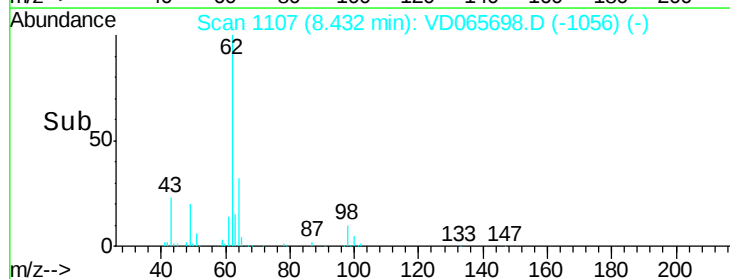
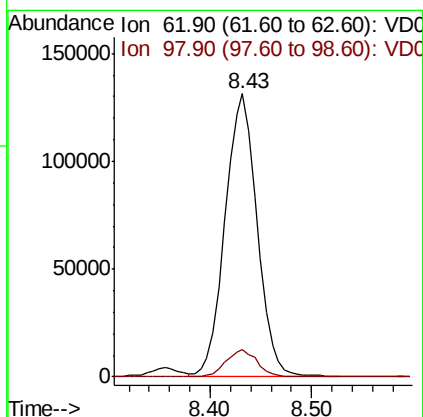
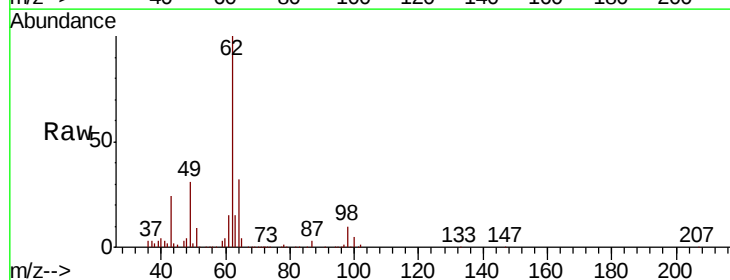
Instrument :
MSVOA_D
ClientSampleId :

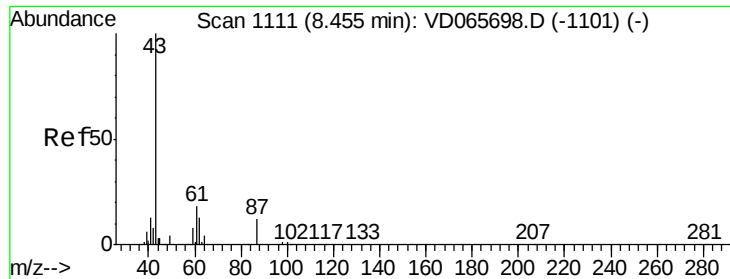
Tot Ion:	41	Resp:	91888
Ion	Ratio	Lower	Upper
41	100		
39	65.6	52.5	78.7
67	74.2	59.4	89.0
52	32.0	25.6	38.4



#42
1,2-Dichloroethane
Concen: 47.616 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion:	62	Resp:	287128
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.2





#43

Isopropyl Acetate

Concen: 64.413 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

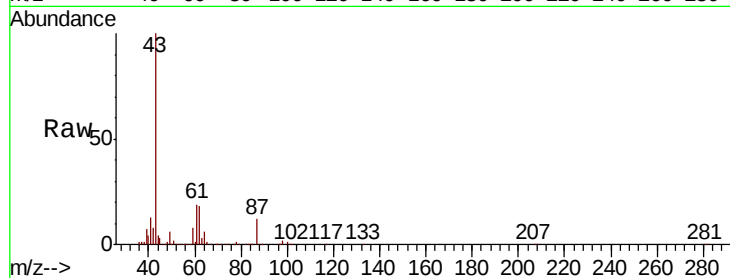
Tot Ion: 43 Resp: 354818

Ion Ratio Lower Upper

43 100

61 27.4 21.9 32.9

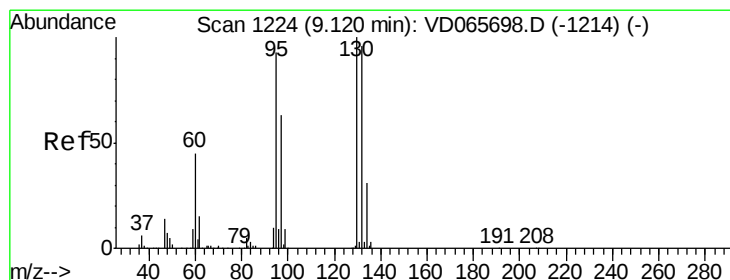
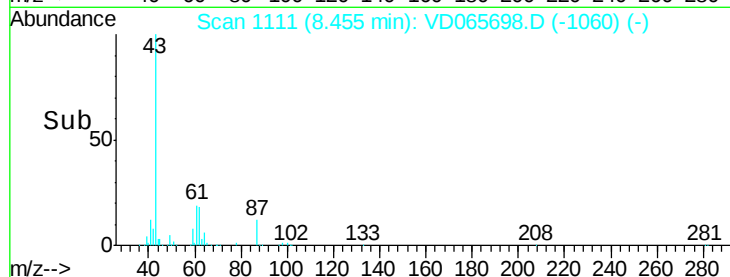
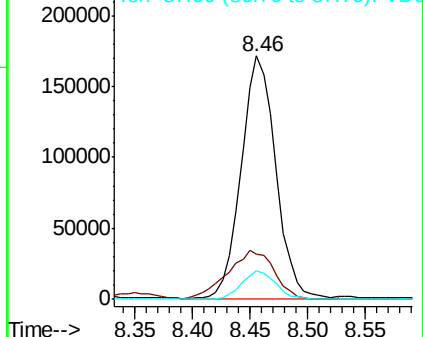
87 11.8 9.4 14.2



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: 45.203 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD065698.D

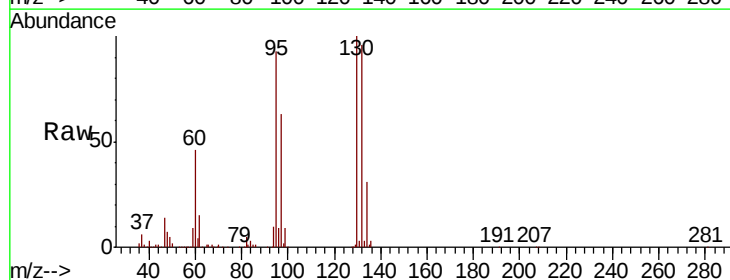
Acq: 06 May 2020 15:38

Tgt Ion: 130 Resp: 275429

Ion Ratio Lower Upper

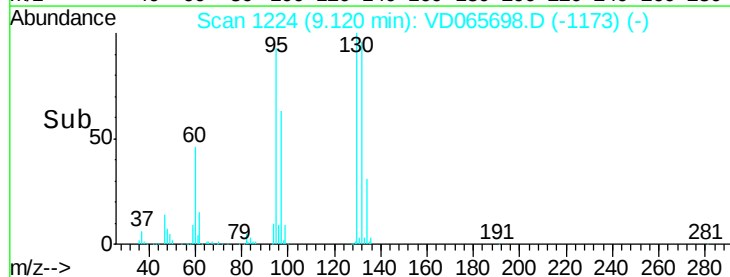
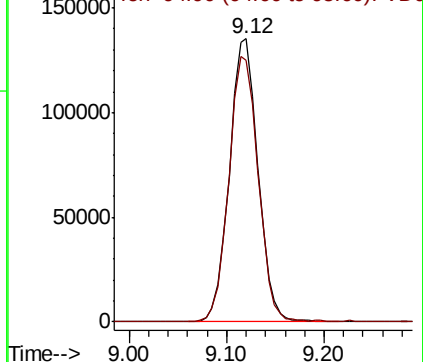
130 100

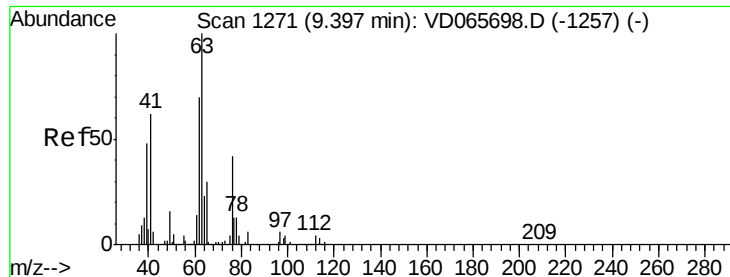
95 92.6 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

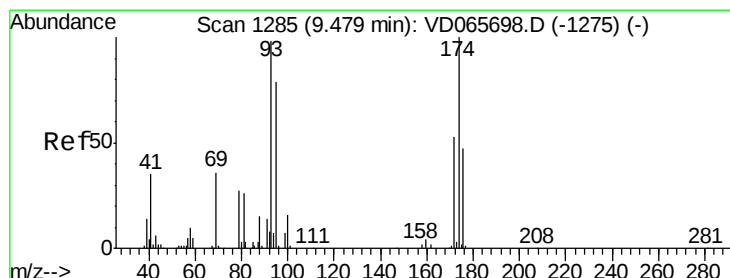
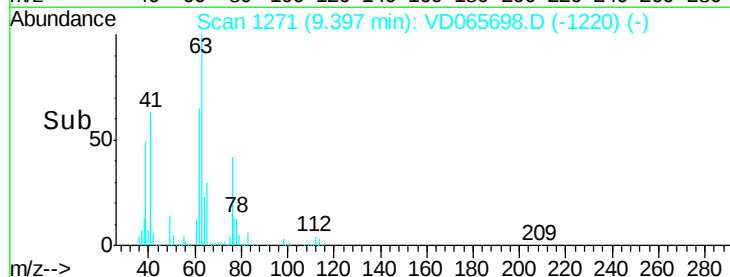
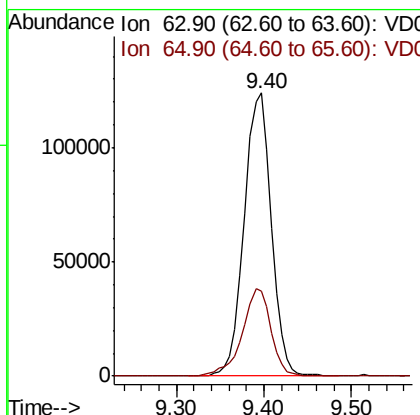
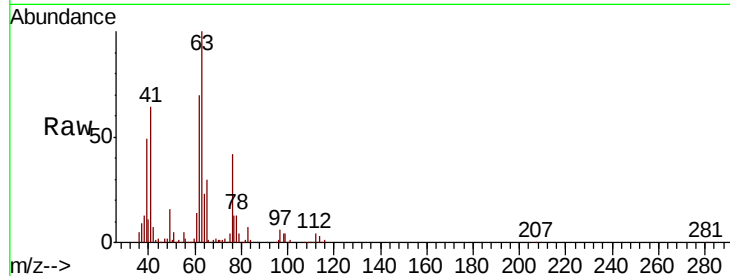




#45
 1,2-Dichloropropane
 Concen: 49.417 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

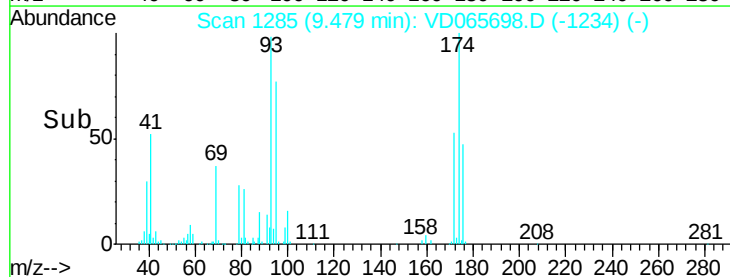
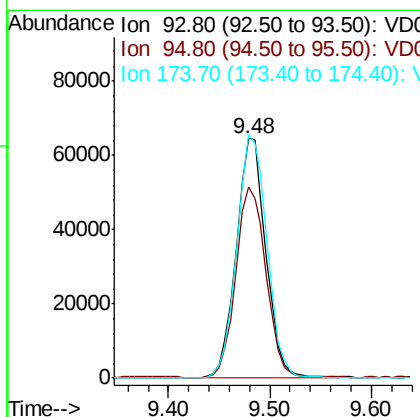
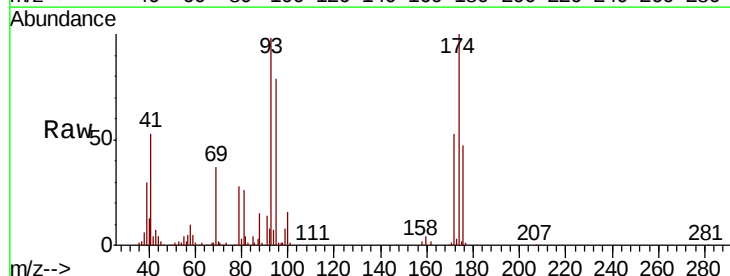
Instrument :
 MSVOA_D
 ClientSampleId :

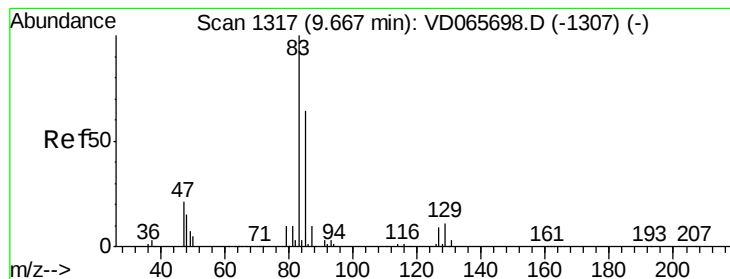
Tot Ion: 63 Resp: 259959
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.1 36.1



#46
 Dibromomethane
 Concen: 46.536 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion: 93 Resp: 130762
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.3 97.9
 174 103.4 82.7 124.1





#47

Bromodichloromethane

Concen: 46.971 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

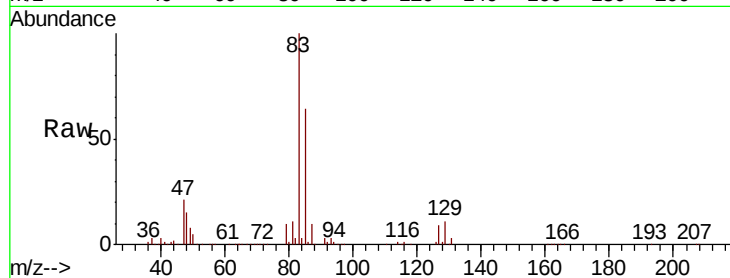
Tot Ion: 83 Resp: 344950

Ion Ratio Lower Upper

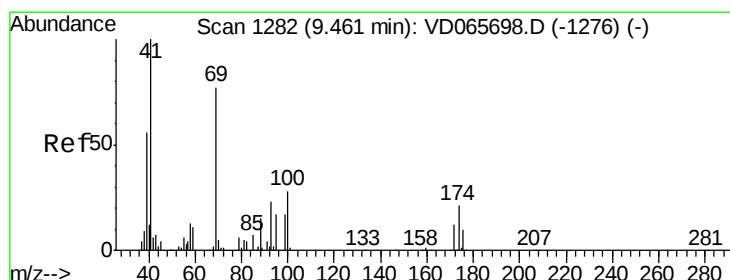
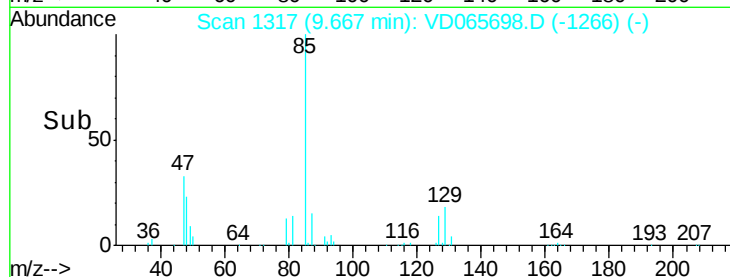
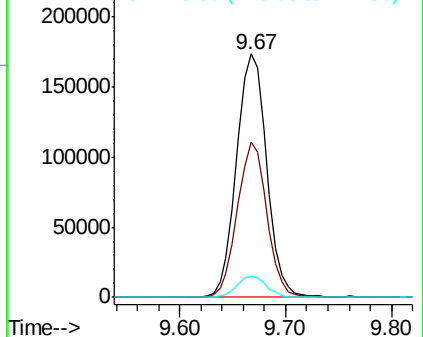
83 100

85 63.6 50.9 76.3

127 8.6 6.9 10.3



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



#48

Methyl methacrylate

Concen: 68.694 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

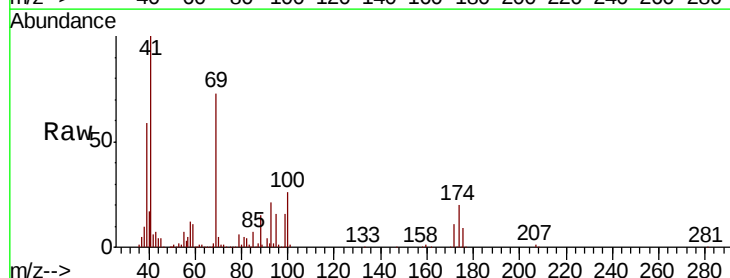
Tgt Ion: 41 Resp: 178824

Ion Ratio Lower Upper

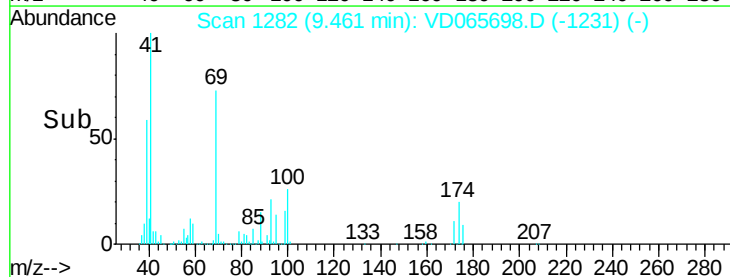
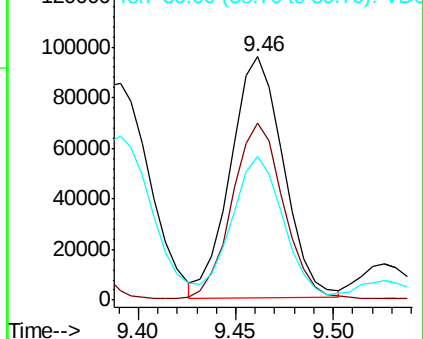
41 100

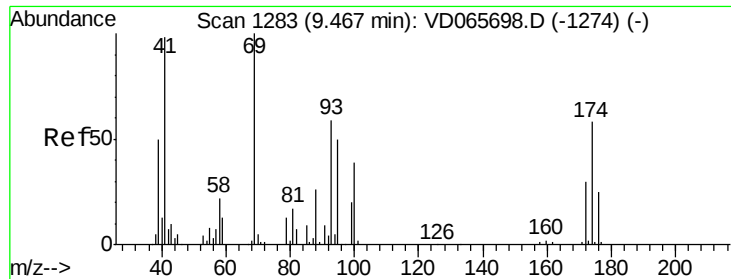
69 72.7 58.2 87.2

39 54.1 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

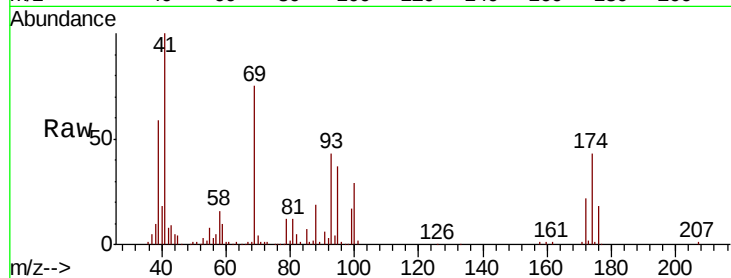




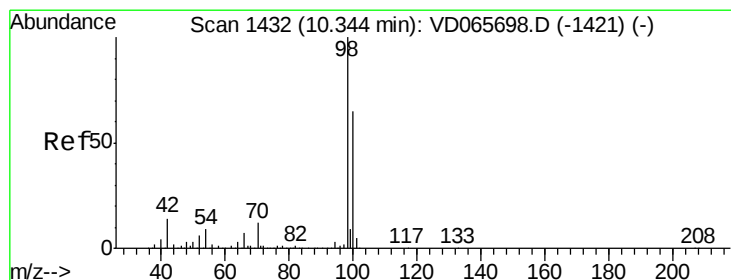
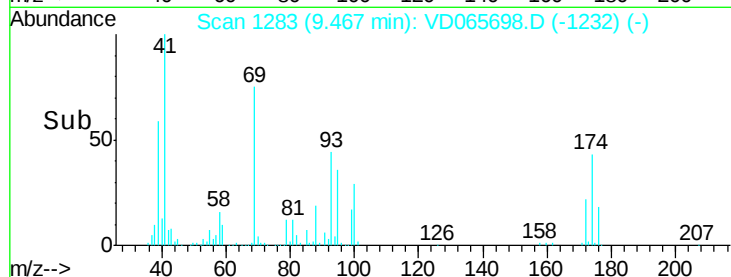
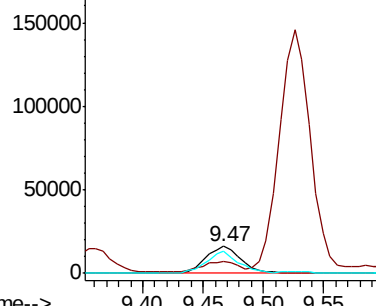
#49
 1,4-Dioxane
 Concen: 1080.289 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 33173
 Ion Ratio Lower Upper
 88 100
 43 39.5 31.6 47.4
 58 75.3 60.2 90.4

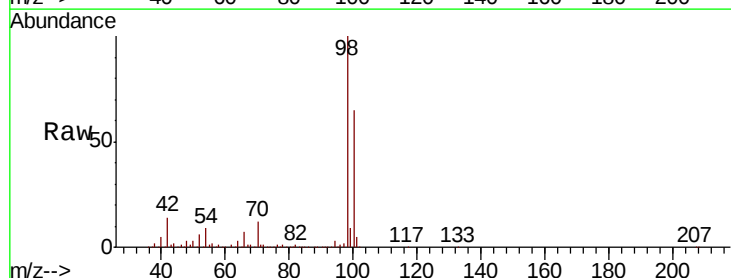


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

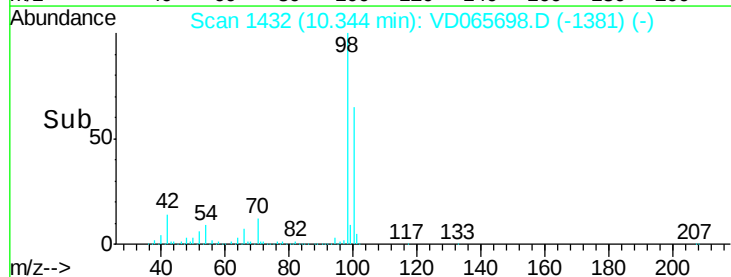
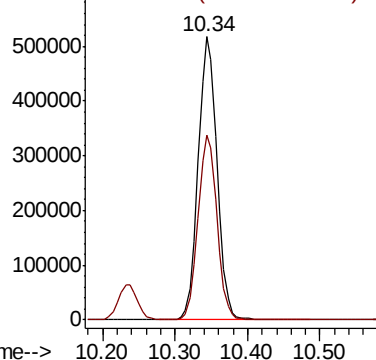


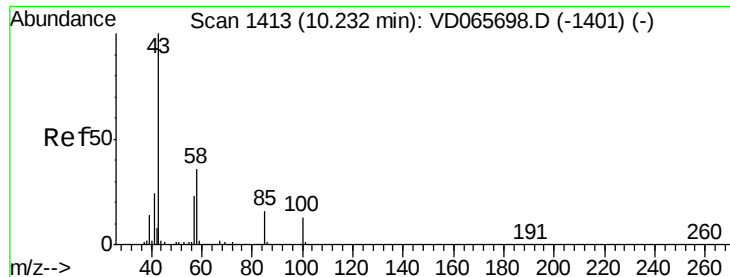
#50
 Toluene-d8
 Concen: 49.777 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion: 98 Resp: 933633
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.6 78.8



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

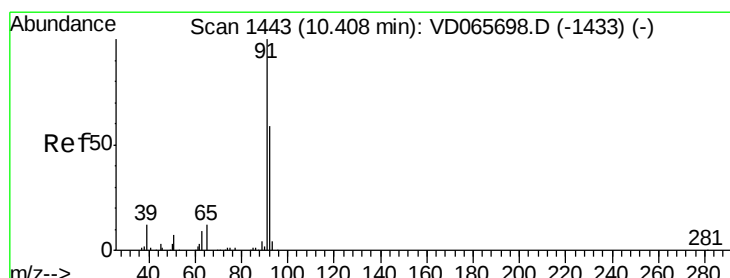
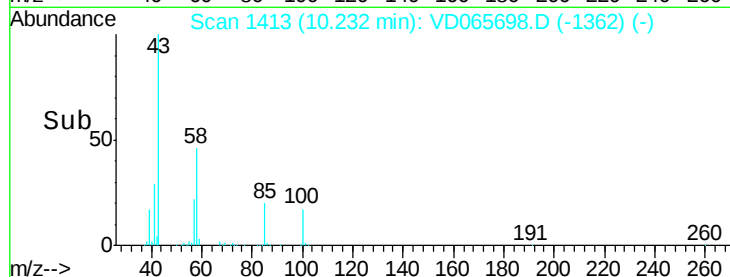
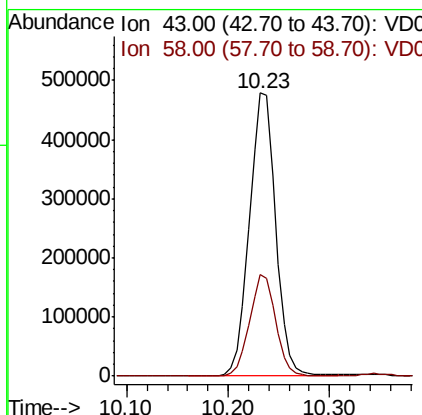
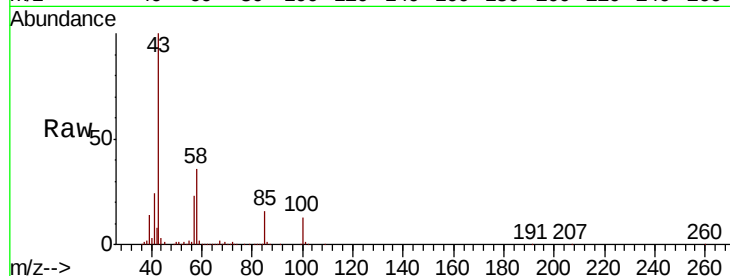




#51
4-Methyl-2-Pentanone
Concen: 308.669 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

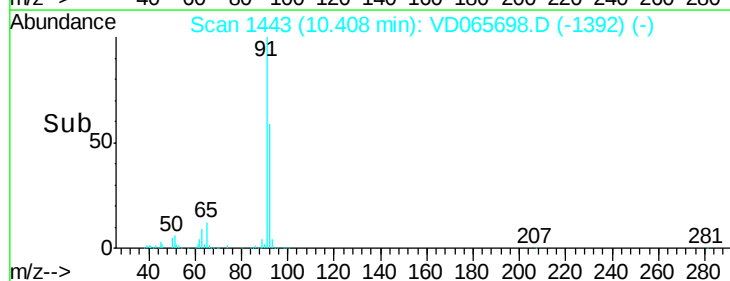
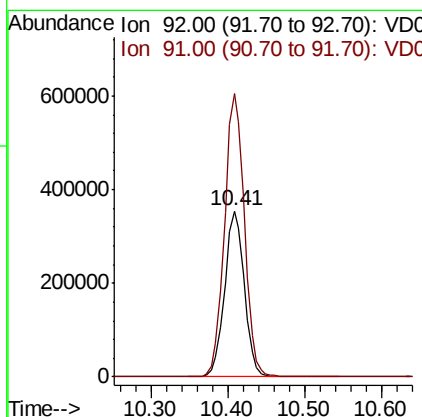
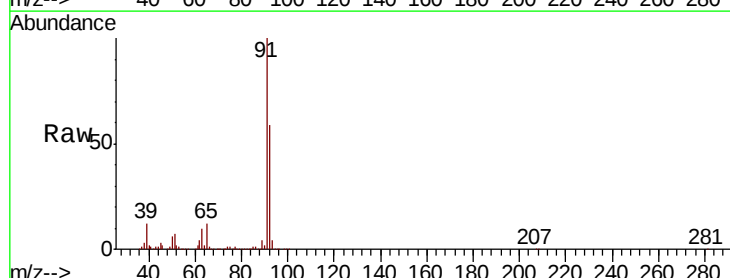
Instrument :
MSVOA_D
ClientSampleId :

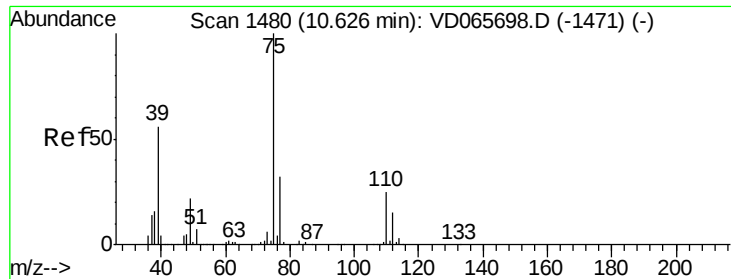
Tot Ion: 43 Resp: 862905
Ion Ratio Lower Upper
43 100
58 35.7 28.6 42.8



#52
Toluene
Concen: 47.086 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion: 92 Resp: 631188
Ion Ratio Lower Upper
92 100
91 172.6 138.1 207.1

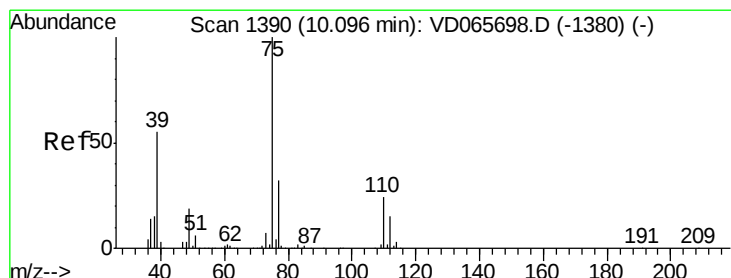
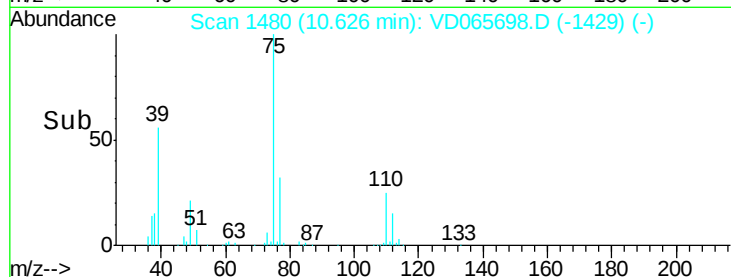
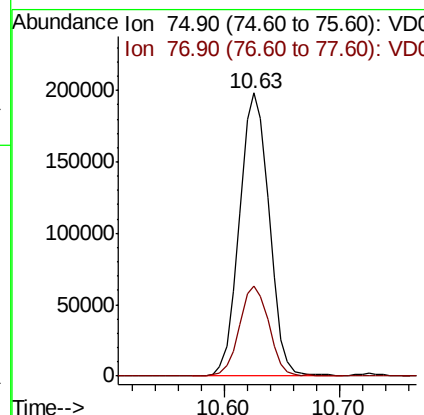
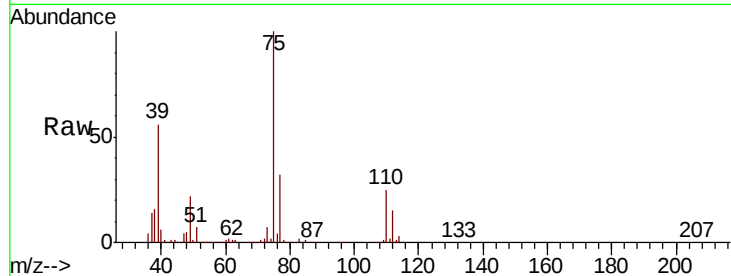




#53
t-1,3-Dichloropropene
Concen: 53.186 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

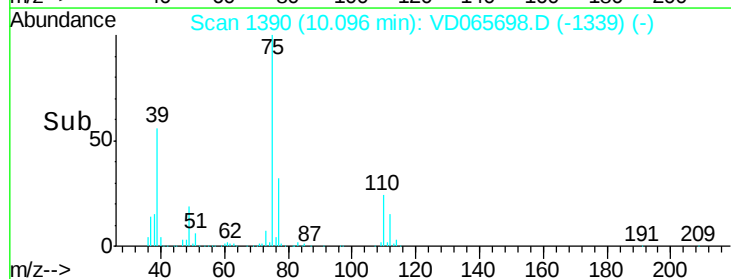
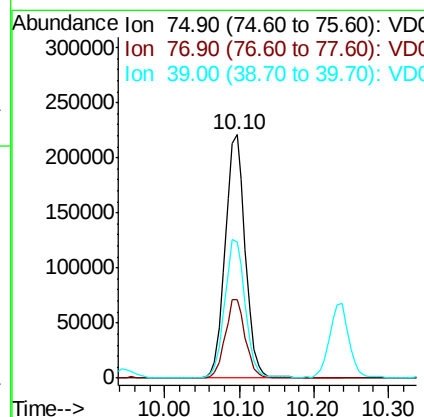
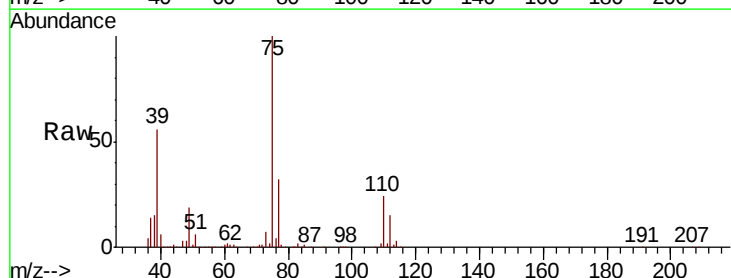
Instrument :
MSVOA_D
ClientSampled :

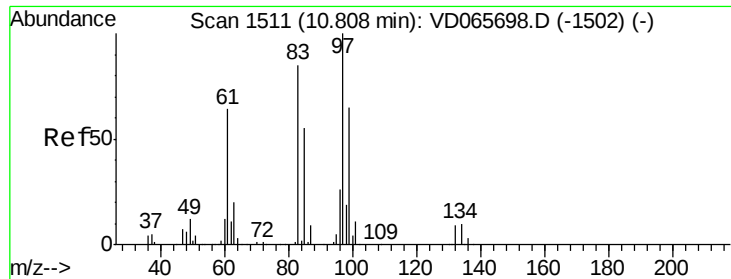
Tot Ion: 75 Resp: 353989
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 51.146 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion: 75 Resp: 413348
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8
39 55.5 44.4 66.6



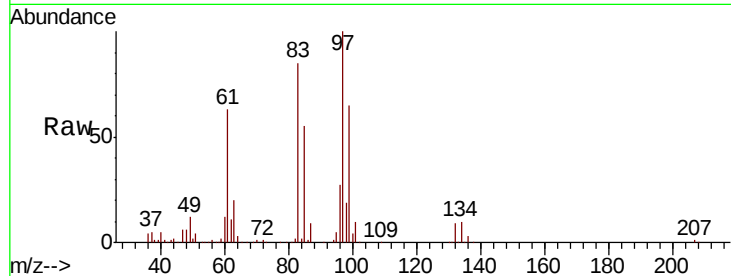


#55
 1,1,2-Trichloroethane
 Concen: 45.189 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 177446

Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.2	102.4
85	54.5	43.6	65.4
99	65.3	52.2	78.4



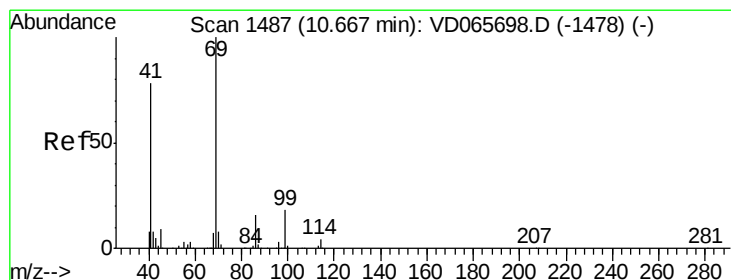
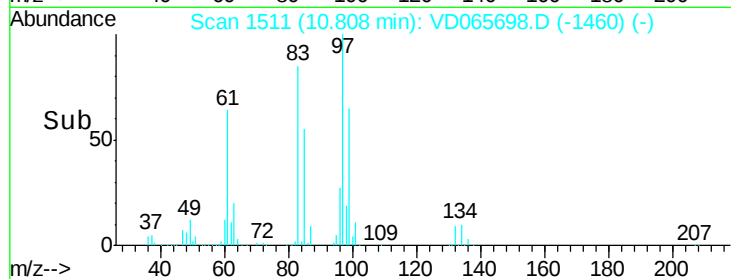
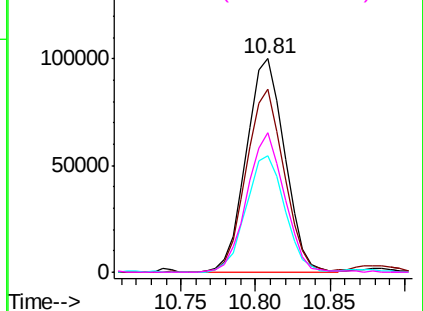
Abundance

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

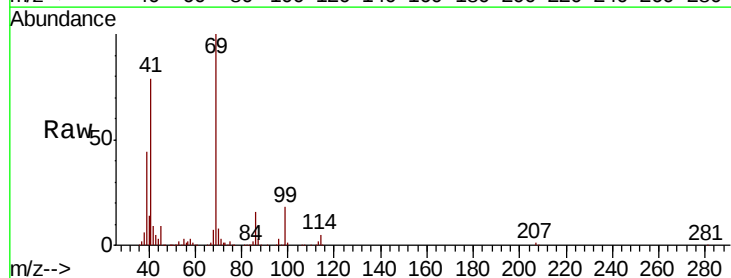
Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 61.575 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion: 69 Resp: 255517

Ion	Ratio	Lower	Upper
69	100		
41	76.7	61.4	92.0
39	40.9	32.7	49.1

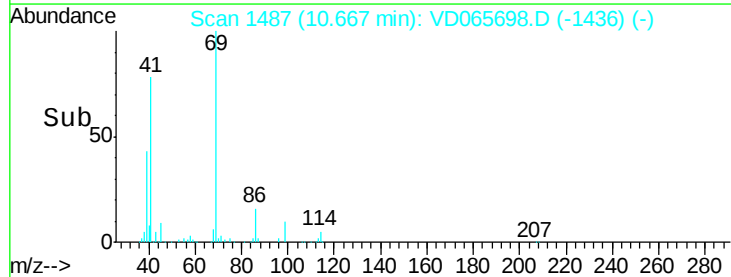
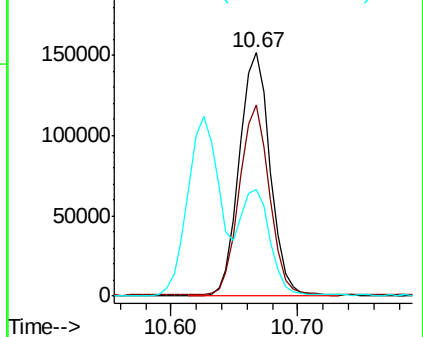


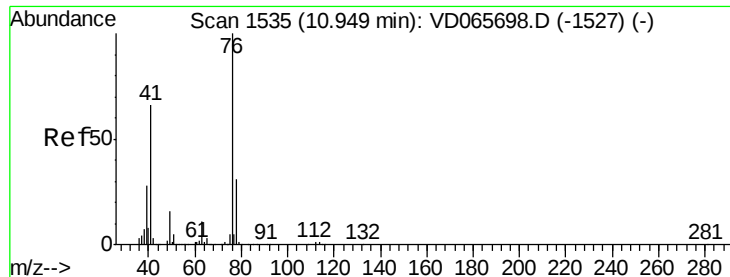
Abundance

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: 48.348 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

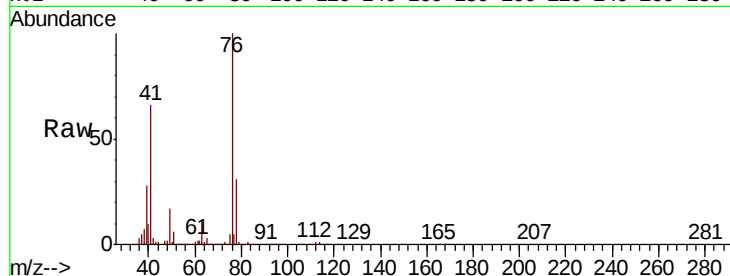
ClientSampleId :

Tot Ion: 76 Resp: 317478

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

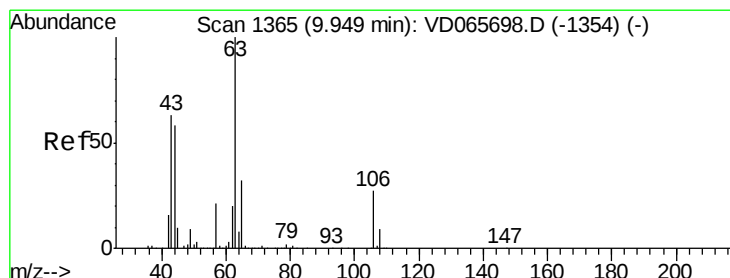
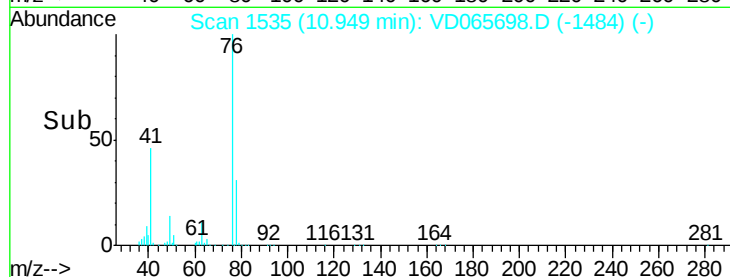
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 277.398 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065698.D

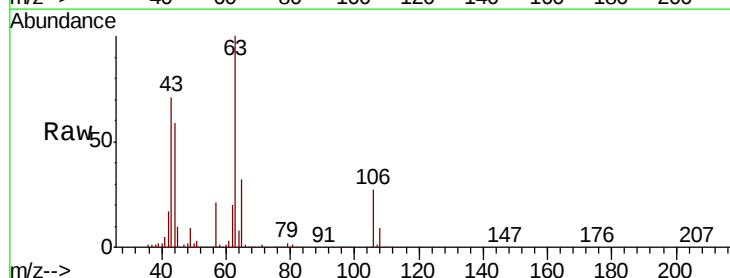
Acq: 06 May 2020 15:38

Tgt Ion: 63 Resp: 593070

Ion Ratio Lower Upper

63 100

106 27.5 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.95

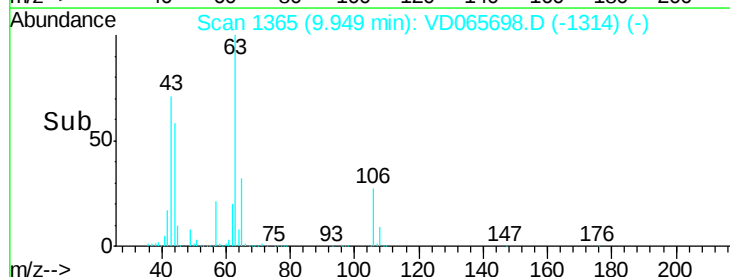
300000

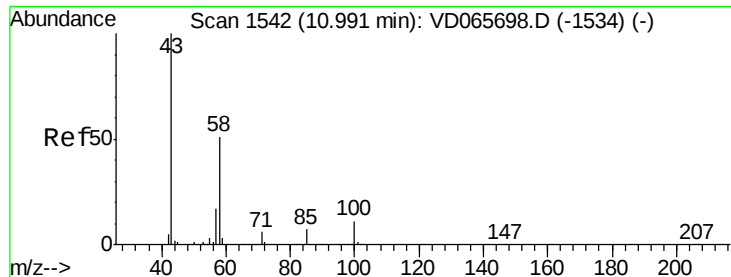
200000

100000

0

Time-->

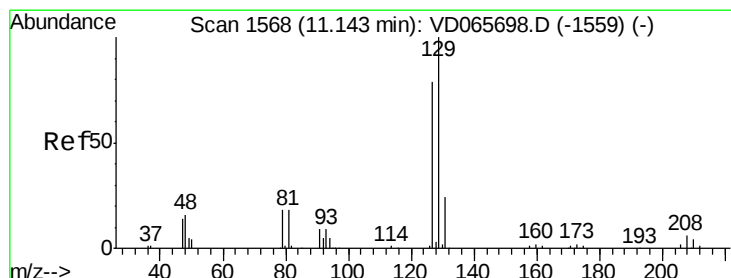
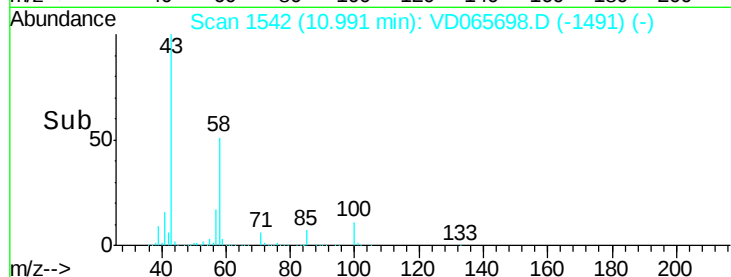
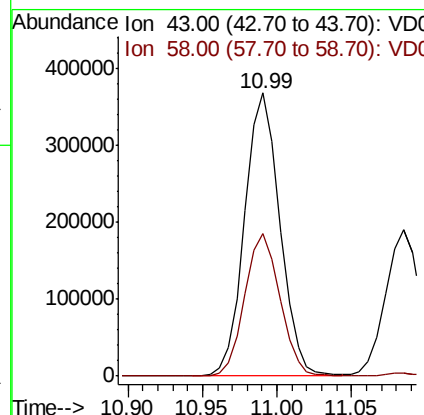
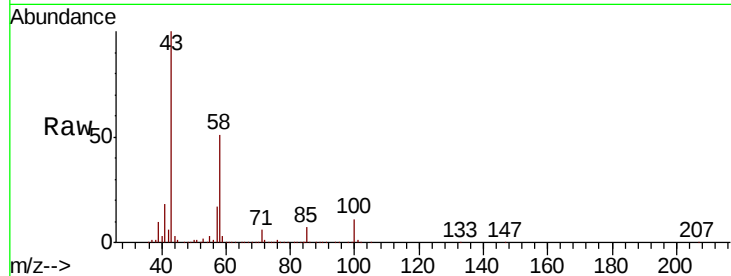




#59
2-Hexanone
Concen: 321.044 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

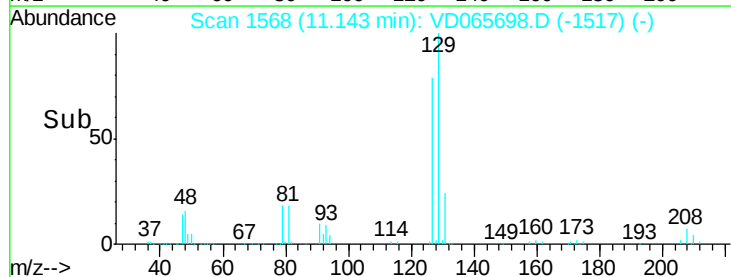
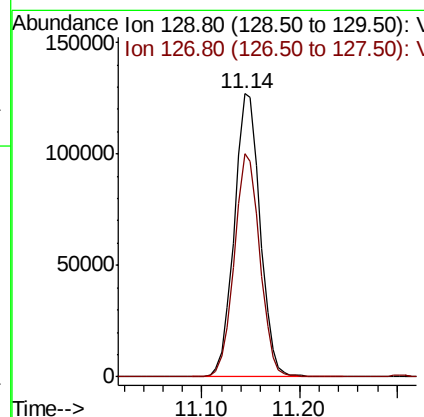
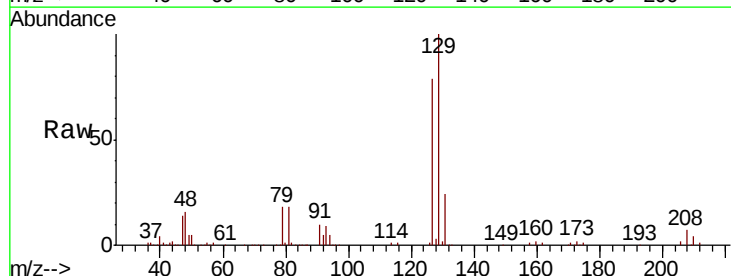
Instrument :
MSVOA_D
ClientSampled :

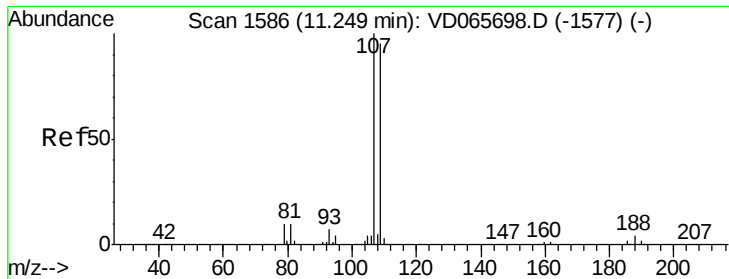
Tot Ion: 43 Resp: 599891
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.0



#60
Dibromochloromethane
Concen: 44.915 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion: 129 Resp: 233252
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6

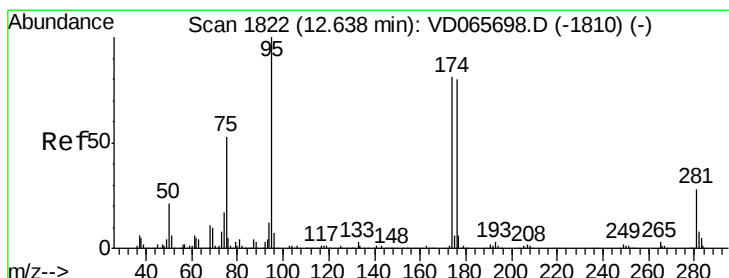
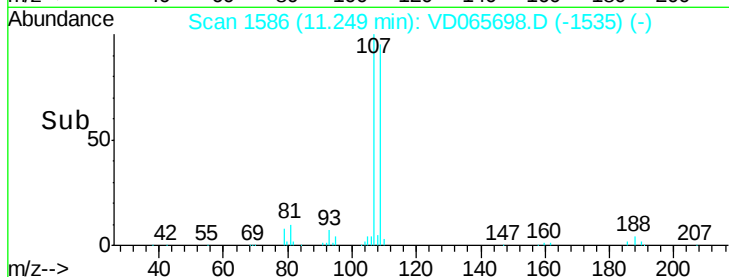
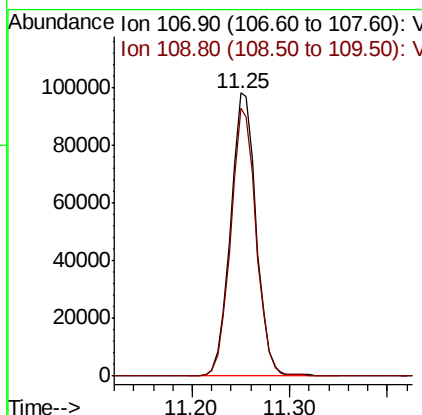
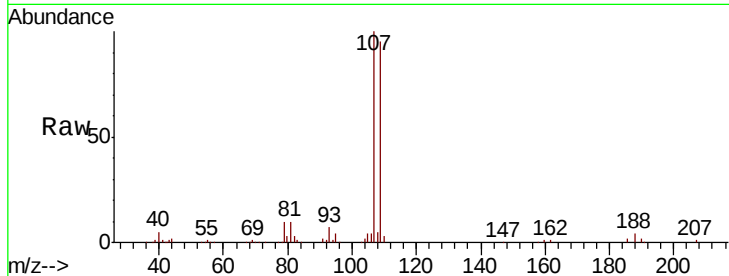




#61
 1,2-Dibromoethane
 Concen: 47.358 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

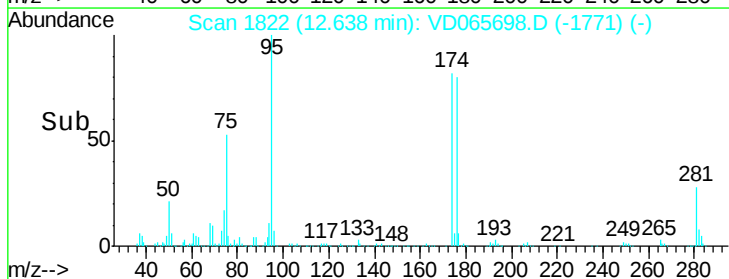
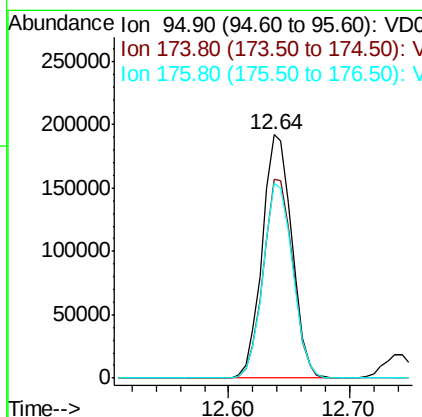
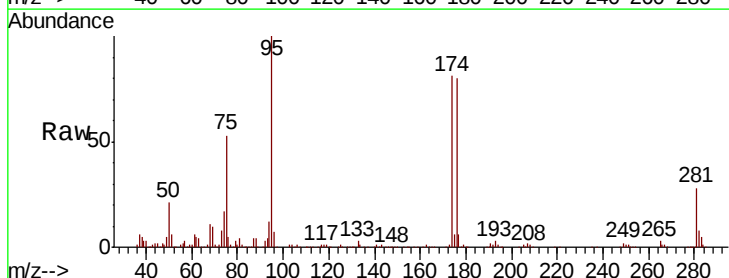
Instrument :
 MSVOA_D
 ClientSampled :

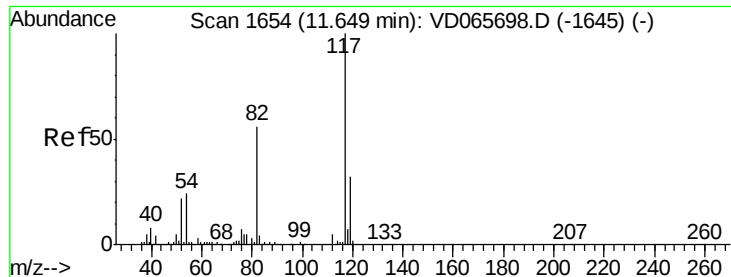
Tot Ion:107 Resp: 178106
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 53.223 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion: 95 Resp: 326091
 Ion Ratio Lower Upper
 95 100
 174 81.3 0.0 162.6
 176 79.5 0.0 159.0

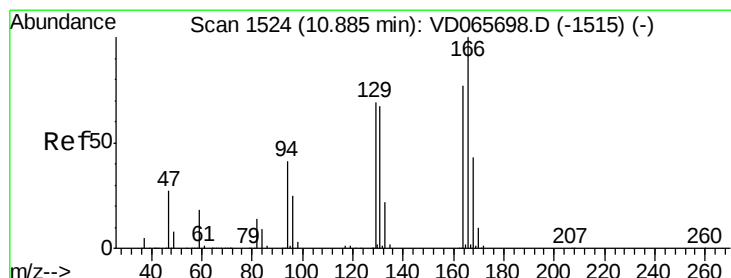
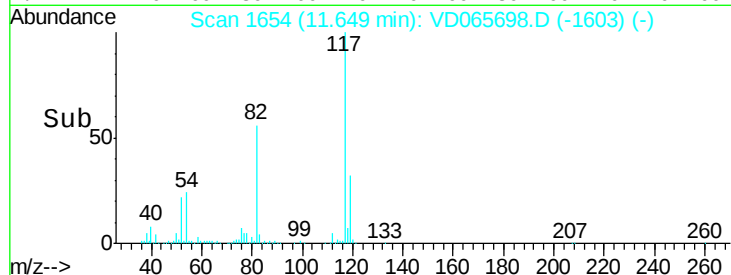
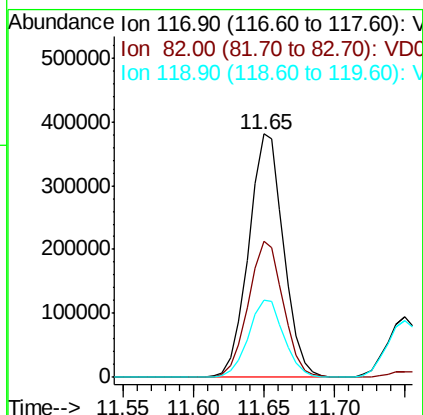
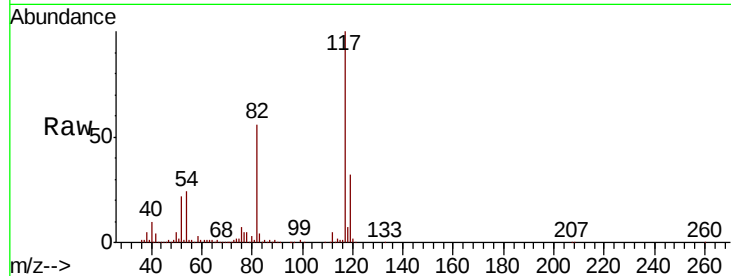




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

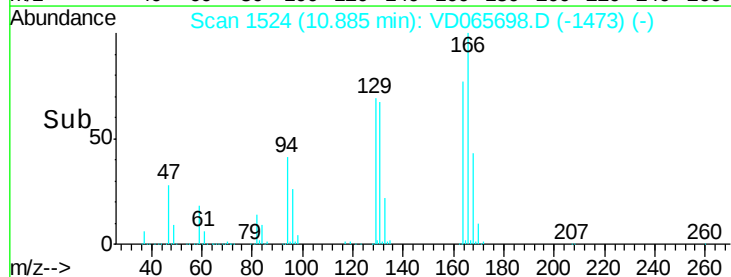
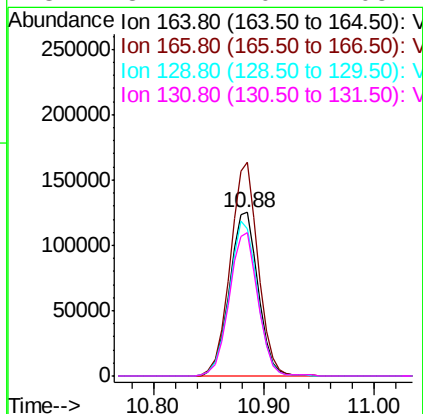
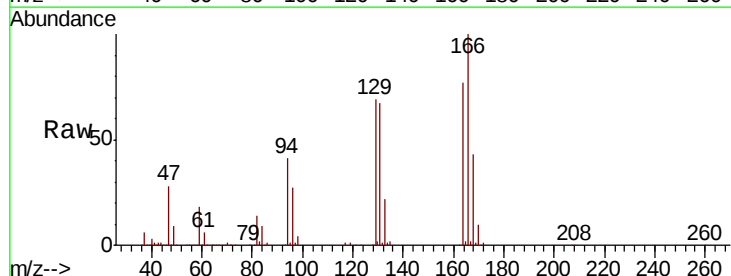
Instrument :
MSVOA_D
ClientSampleId :

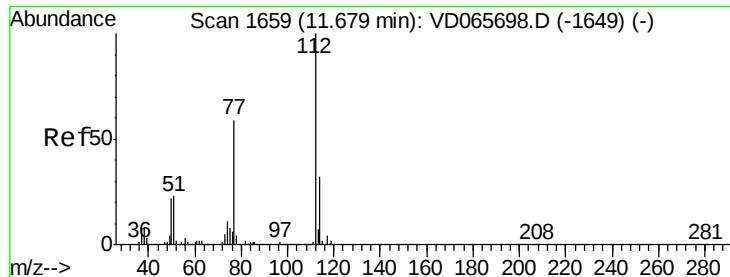
Tot Ion:117 Resp: 661643
Ion Ratio Lower Upper
117 100
82 56.1 44.9 67.3
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 44.970 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion:164 Resp: 229154
Ion Ratio Lower Upper
164 100
166 130.4 104.3 156.5
129 89.9 71.9 107.9
131 87.7 70.2 105.2





#65

Chlorobenzene

Concen: 46.512 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

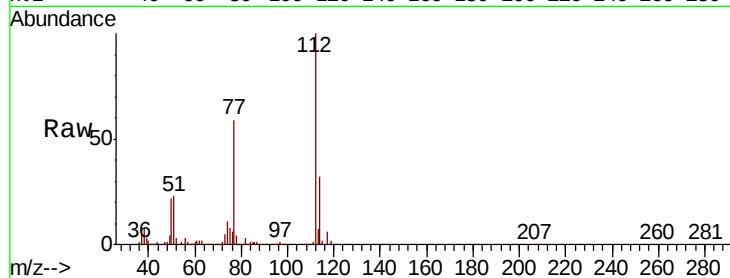
ClientSampleId :

Tot Ion:112 Resp: 649190

Ion Ratio Lower Upper

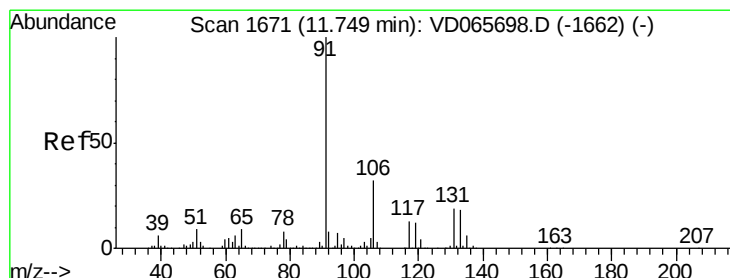
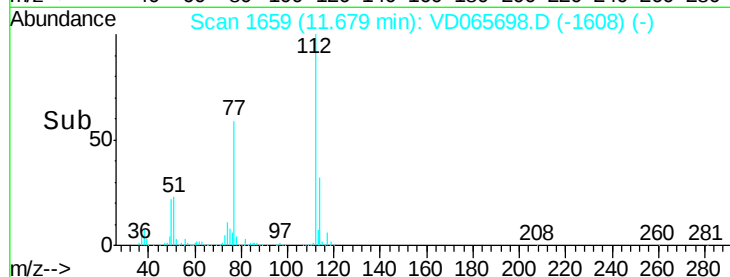
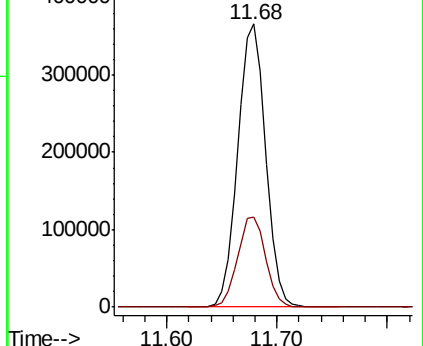
112 100

114 31.7 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: 46.430 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

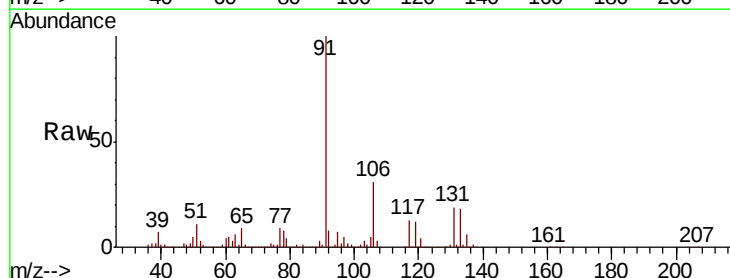
Tgt Ion:131 Resp: 246431

Ion Ratio Lower Upper

131 100

133 94.5 47.3 141.8

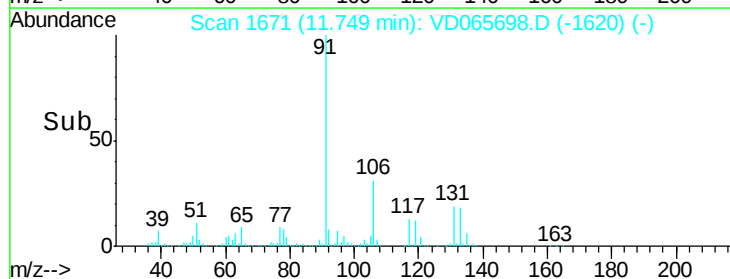
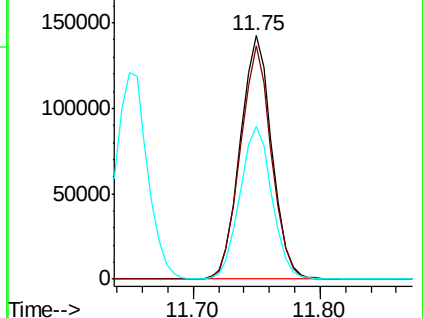
119 63.6 31.8 95.4

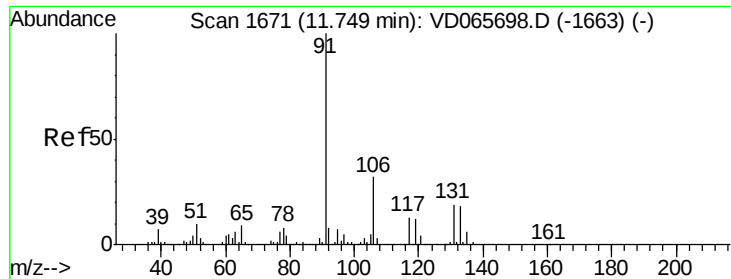


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 52.110 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

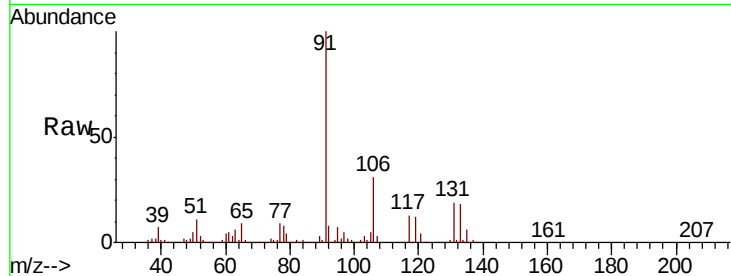
ClientSampleId :

Tot Ion: 91 Resp: 1213561

Ion Ratio Lower Upper

91 100

106 31.5 25.2 37.8

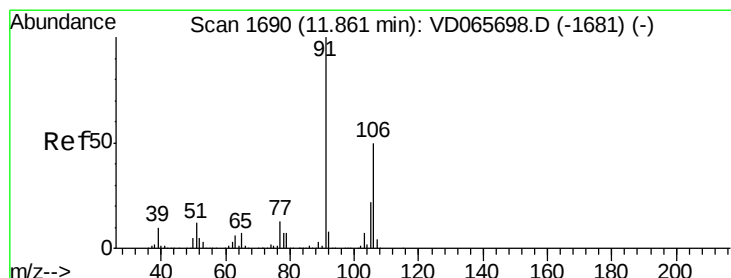
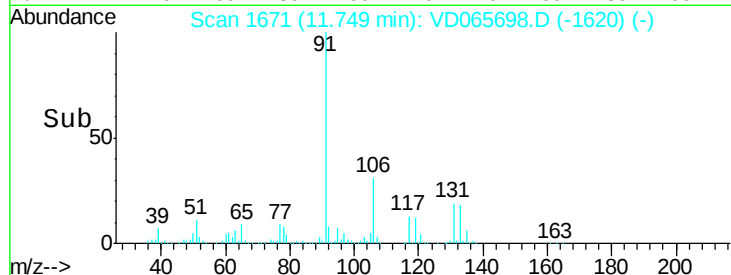


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

11.75

Time--> 11.65 11.70 11.75 11.80



#68

m/p-Xylenes

Concen: 99.687 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065698.D

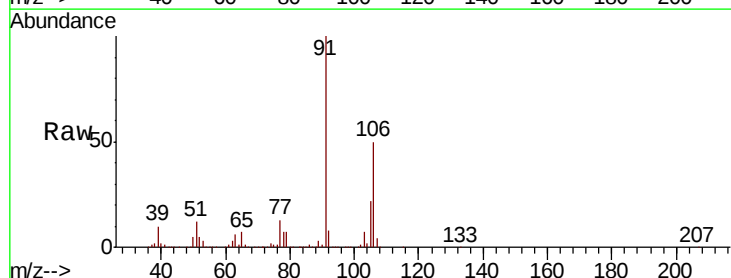
Acq: 06 May 2020 15:38

Tgt Ion: 106 Resp: 903363

Ion Ratio Lower Upper

106 100

91 203.9 163.1 244.7

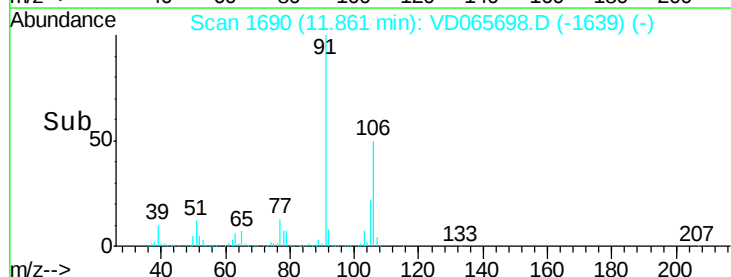


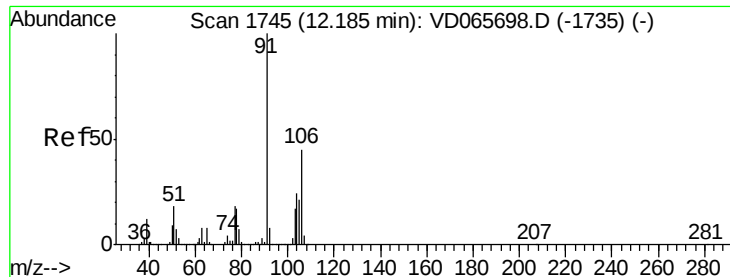
Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

11.86

Time--> 11.80 11.85 11.90

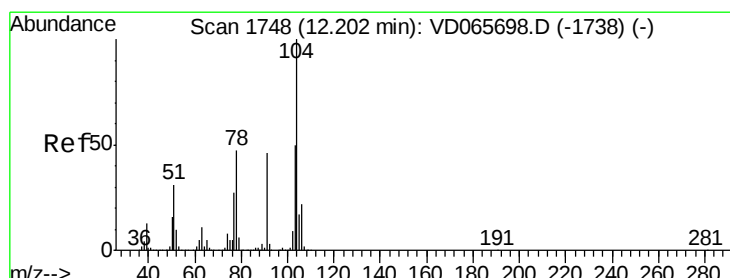
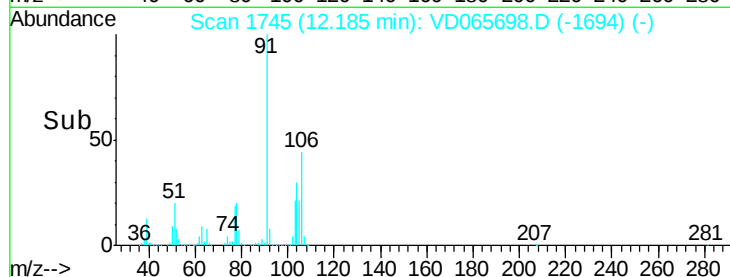
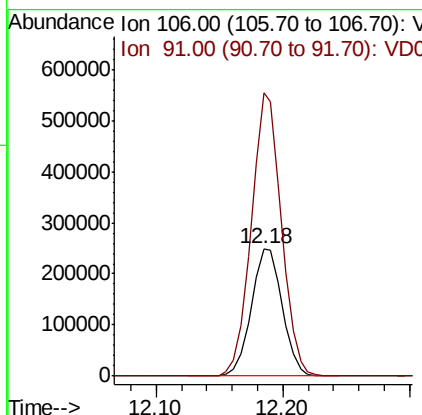
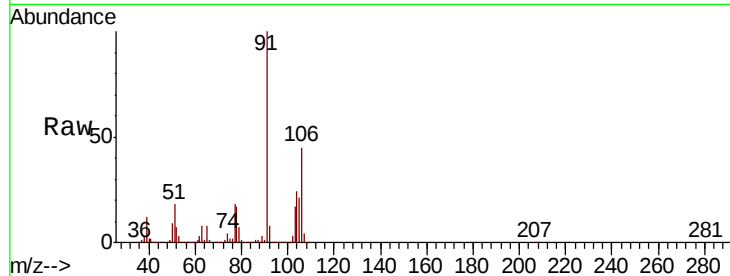




#69
o-Xylene
Concen: 53.489 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

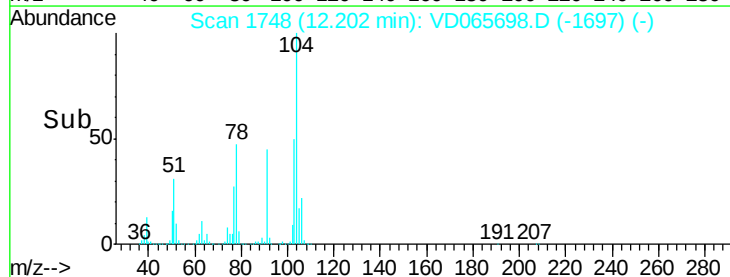
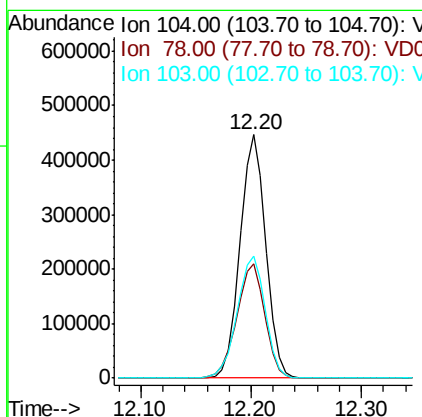
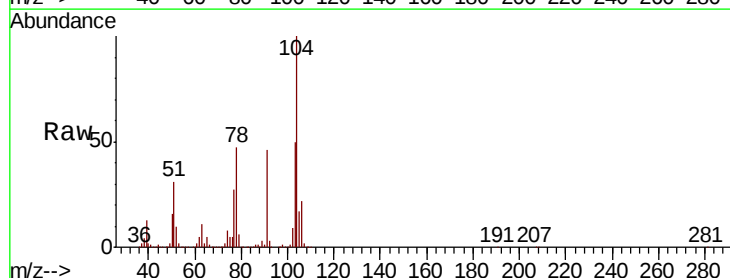
Instrument :
MSVOA_D
ClientSampleId :

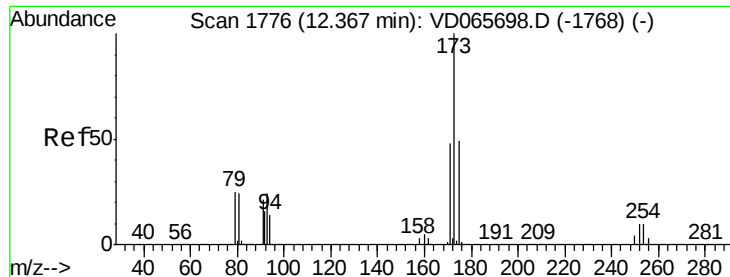
Tot Ion:106 Resp: 423751
Ion Ratio Lower Upper
106 100
91 215.8 107.9 323.7



#70
Styrene
Concen: 52.722 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion:104 Resp: 731512
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 54.7 43.8 65.6

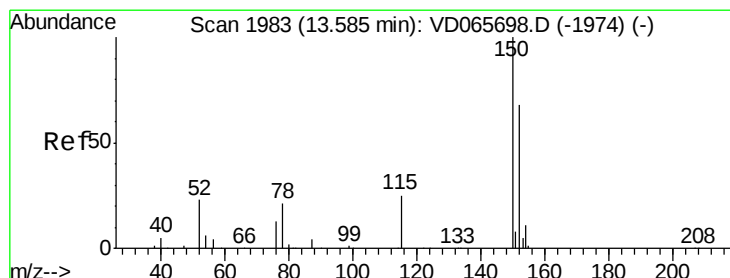
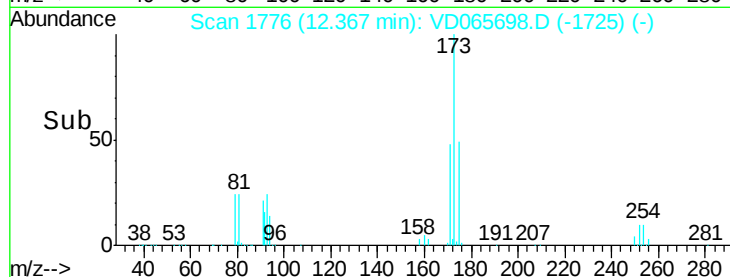
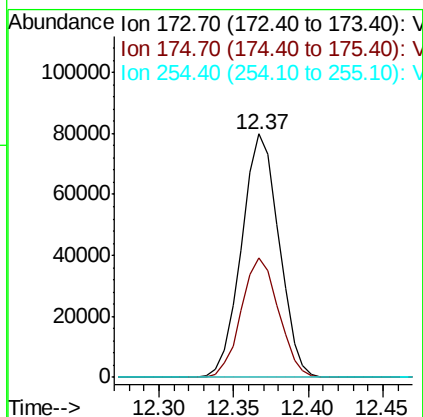
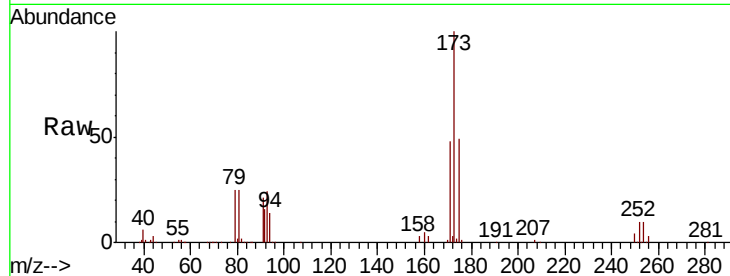




#71
Bromoform
Concen: 46.273 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

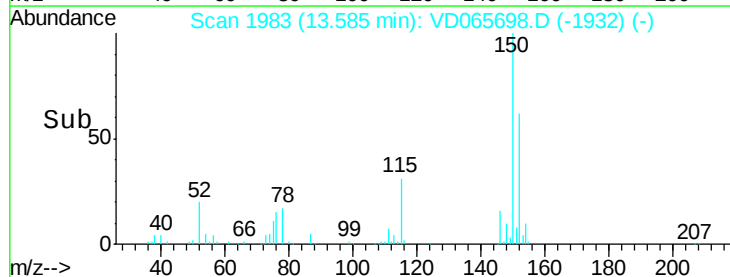
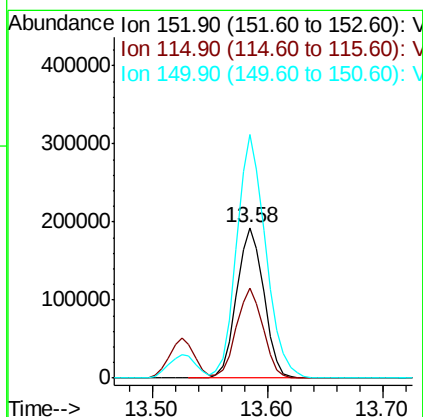
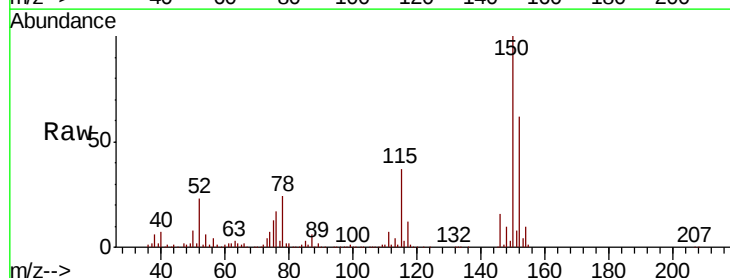
Instrument :
MSVOA_D
ClientSampleId :

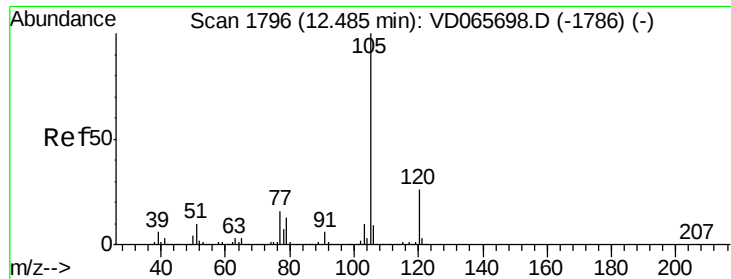
Tot Ion:173 Resp: 138955
Ion Ratio Lower Upper
173 100
175 49.0 24.5 73.5
254 0.0 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion:152 Resp: 312828
Ion Ratio Lower Upper
152 100
115 59.0 29.5 88.5
150 173.4 0.0 346.8





#73

Isopropylbenzene

Concen: 57.406 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

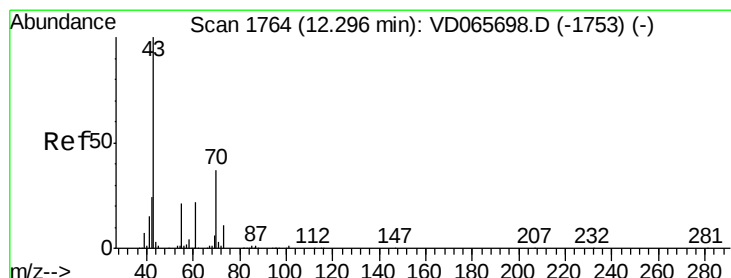
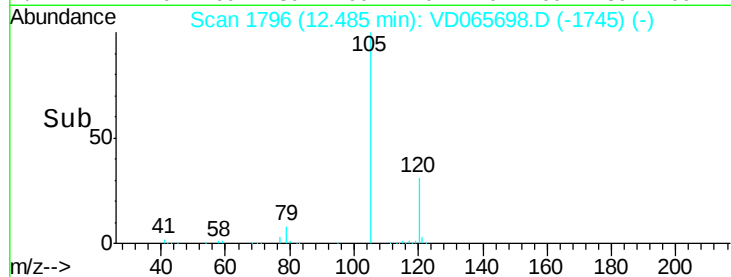
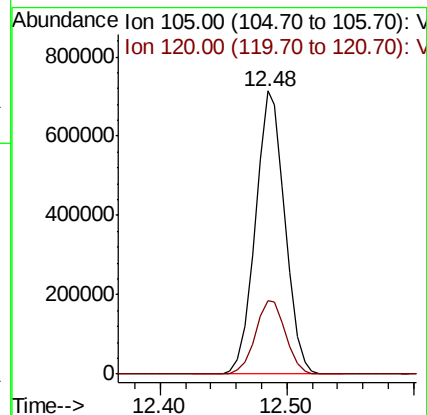
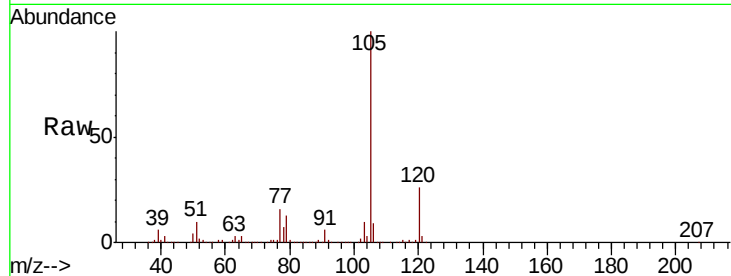
ClientSampleId :

Tot Ion:105 Resp: 1149838

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 76.434 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Tgt Ion: 43 Resp: 339084

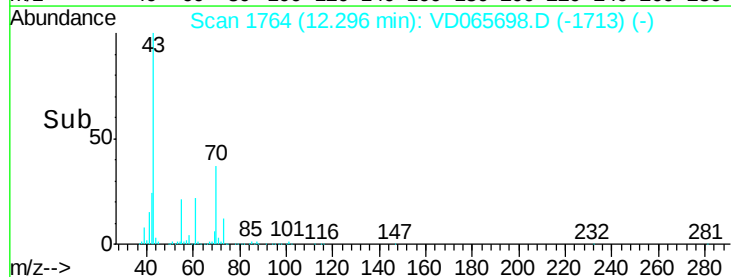
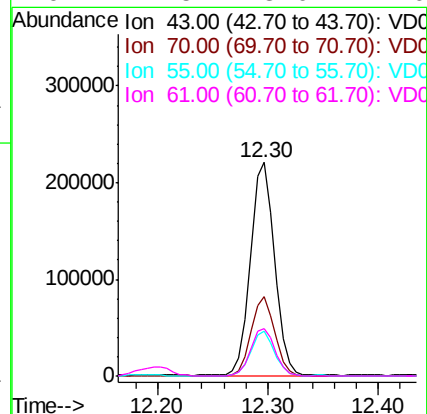
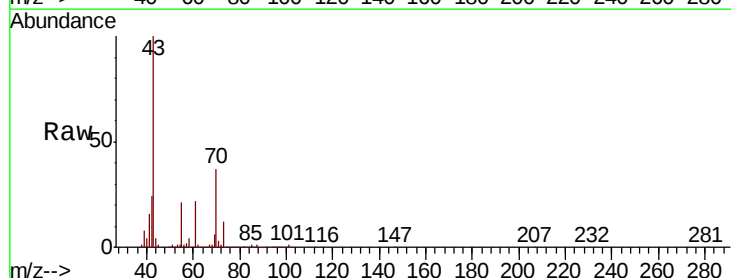
Ion Ratio Lower Upper

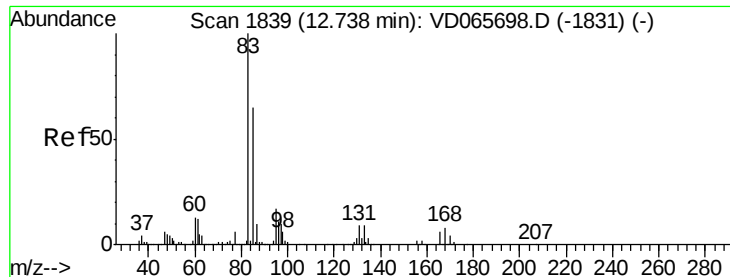
43 100

70 36.6 29.3 43.9

55 20.5 16.4 24.6

61 22.5 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.676 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

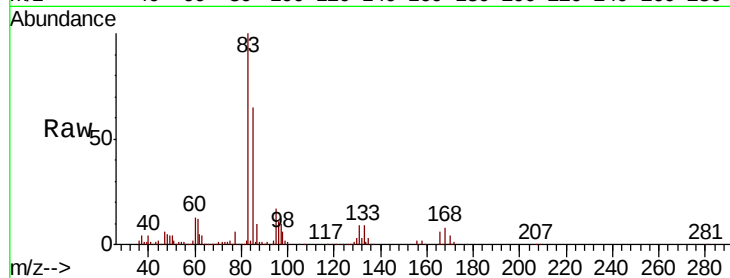
Tot Ion: 83 Resp: 195637

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.7

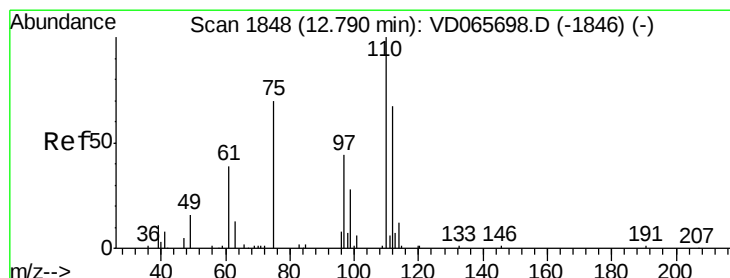
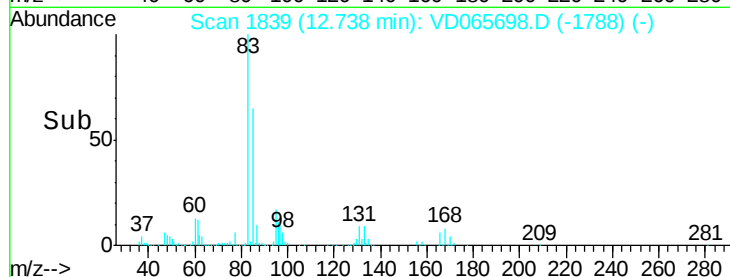
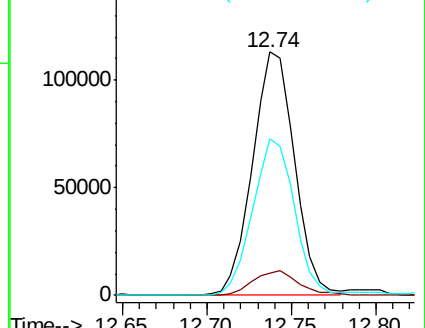
85 63.9 31.9 95.9



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: 106.020 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065698.D

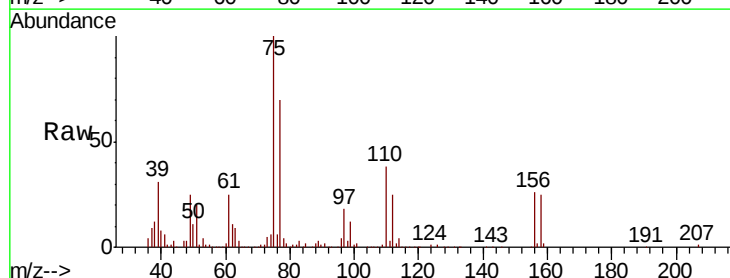
Acq: 06 May 2020 15:38

Tgt Ion: 75 Resp: 268904

Ion Ratio Lower Upper

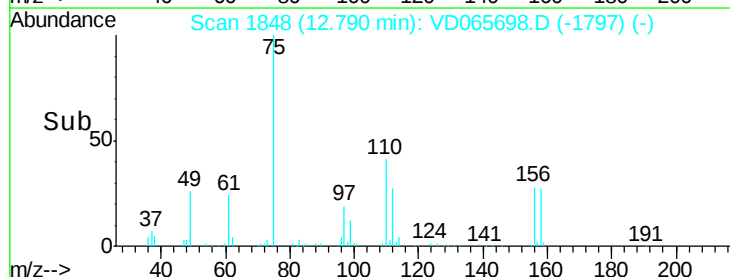
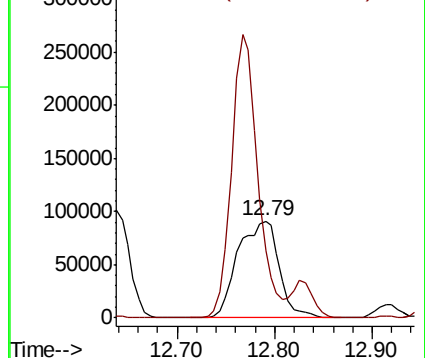
75 100

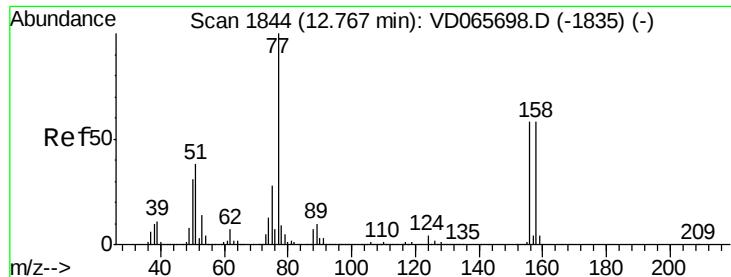
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.565 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampled :

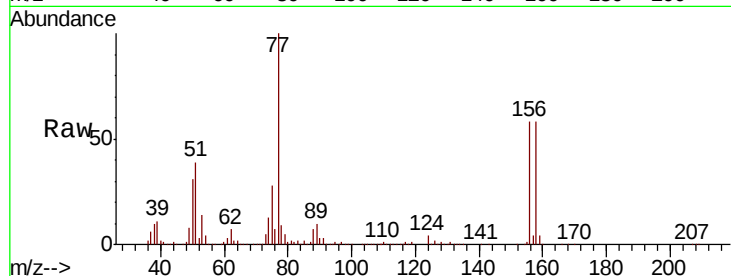
Tot Ion:156 Resp: 266925

Ion Ratio Lower Upper

156 100

77 185.8 92.9 278.7

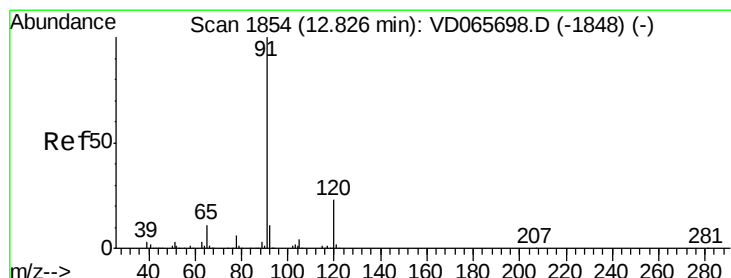
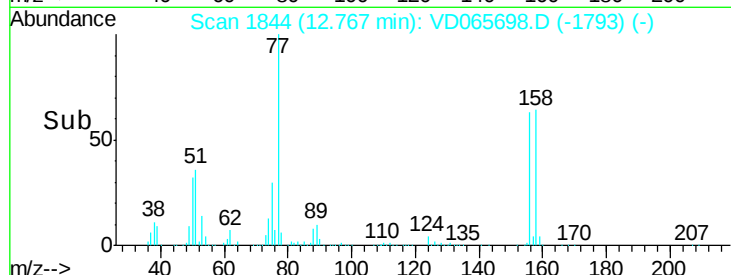
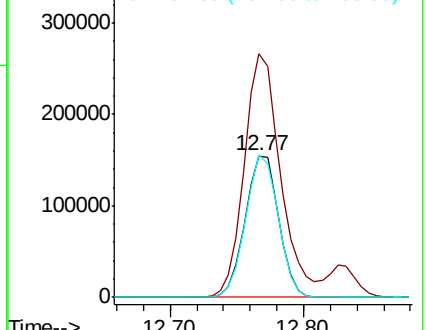
158 97.8 48.9 146.7



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: 56.849 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065698.D

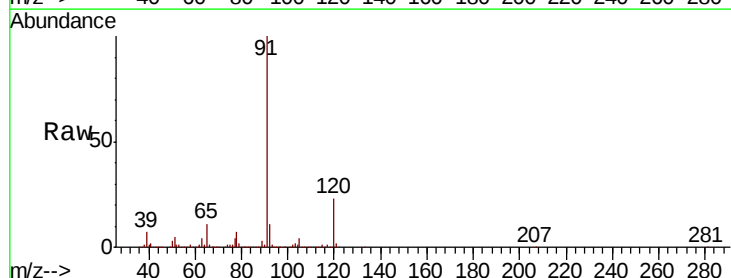
Acq: 06 May 2020 15:38

Tgt Ion: 91 Resp: 1373091

Ion Ratio Lower Upper

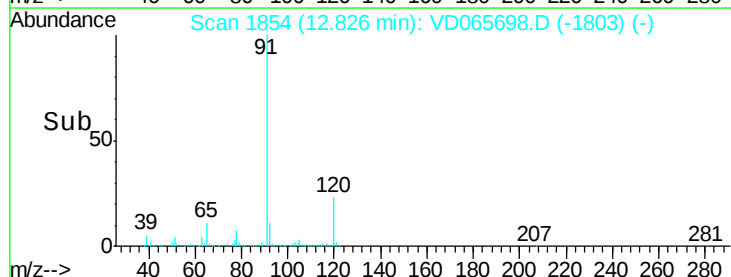
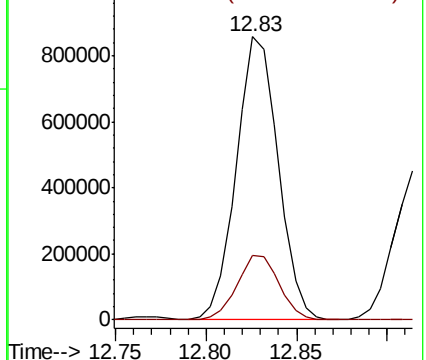
91 100

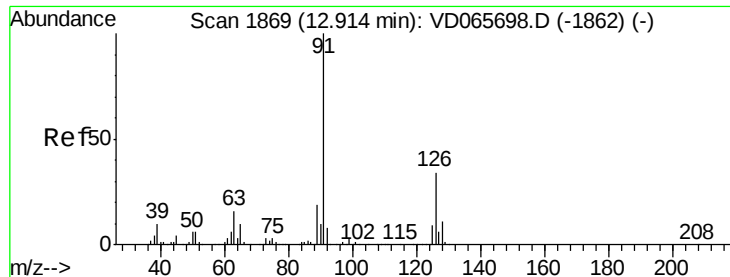
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.507 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

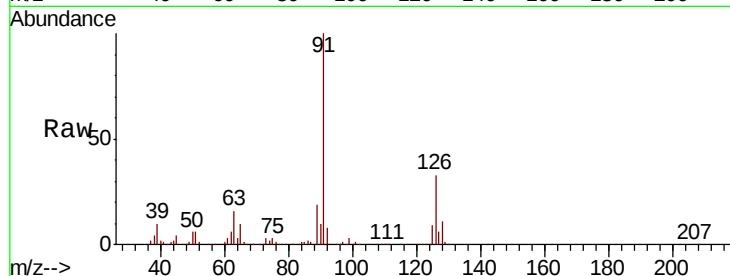
ClientSampleId :

Tot Ion: 91 Resp: 769741

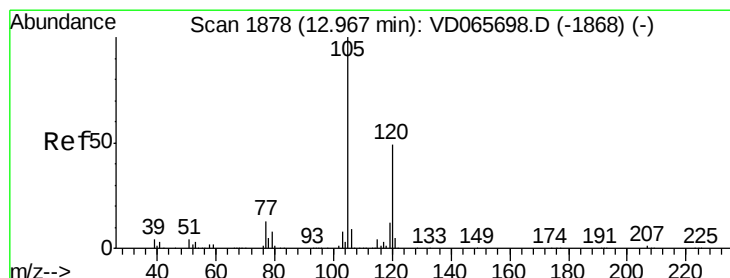
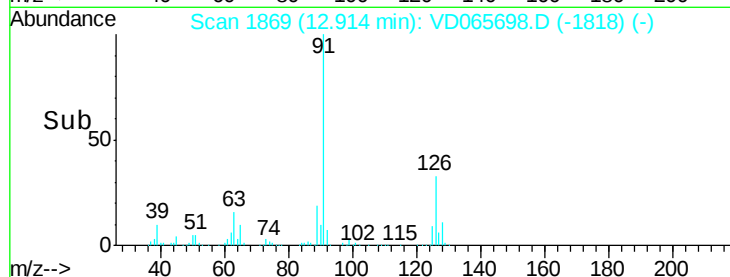
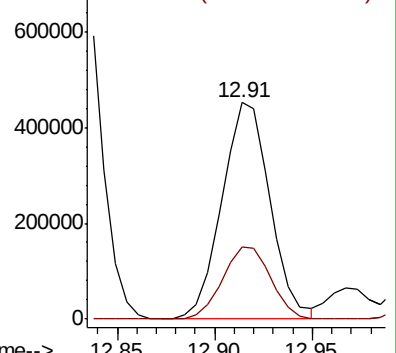
Ion Ratio Lower Upper

91 100

126 33.7 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VD065698.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.701 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065698.D

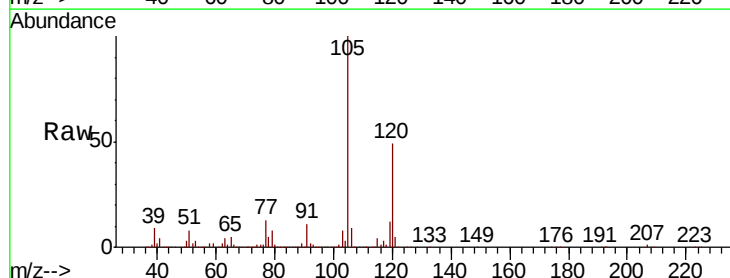
Acq: 06 May 2020 15:38

Tgt Ion:105 Resp: 955856

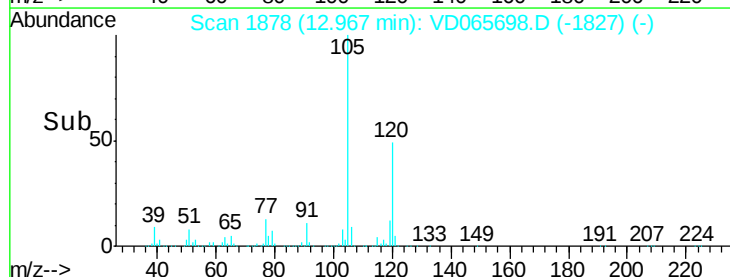
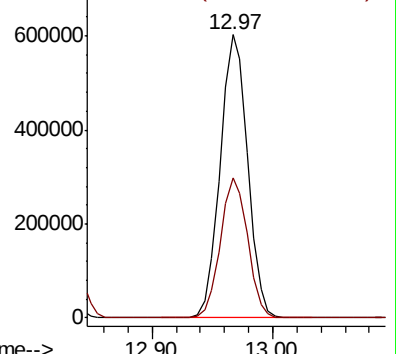
Ion Ratio Lower Upper

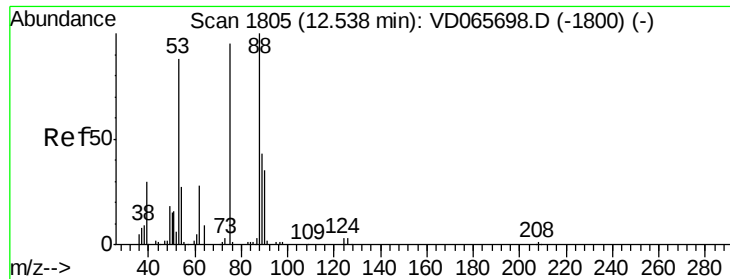
105 100

120 49.2 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VD065698.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 64.887 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

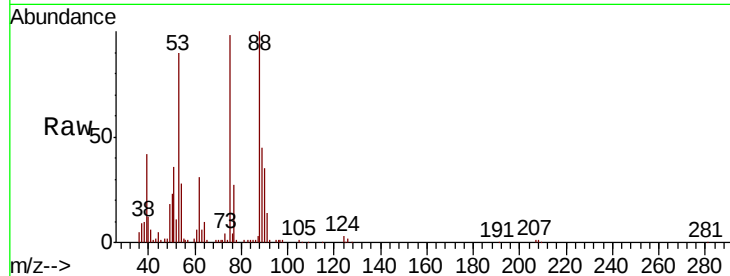
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 73825

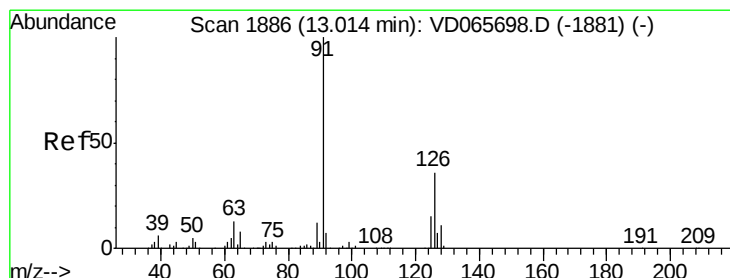
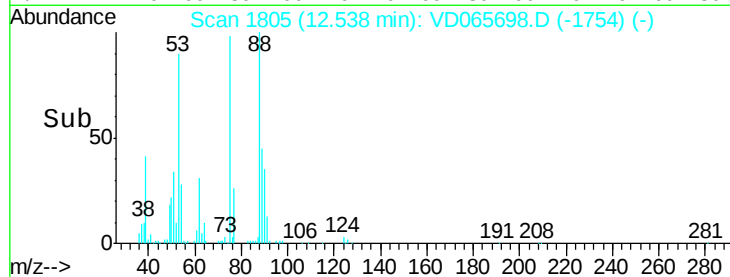
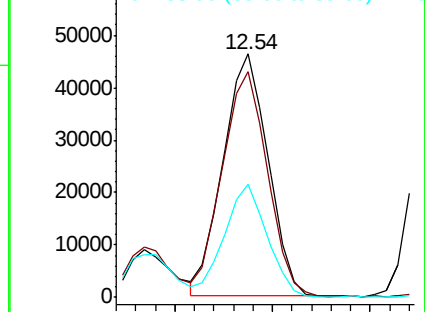
Ion	Ratio	Lower	Upper
75	100		
53	94.8	75.8	113.8
89	45.2	36.2	54.2



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: 53.759 ug/l

RT: 13.01 min Scan# 1886

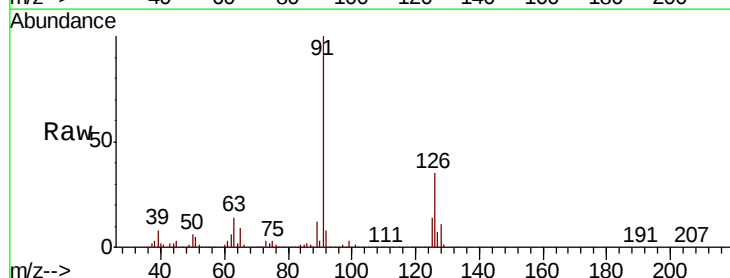
Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

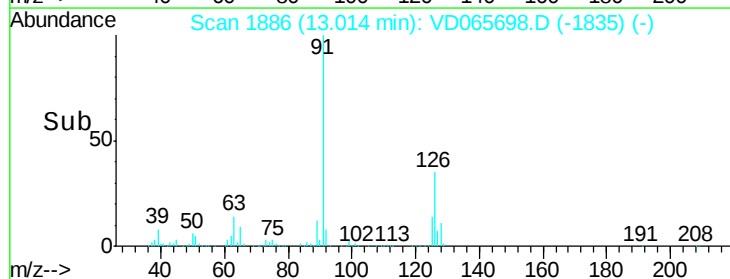
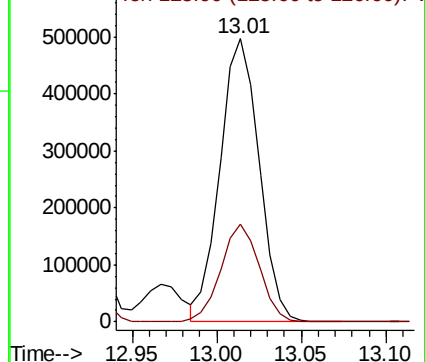
Tgt Ion: 91 Resp: 799108

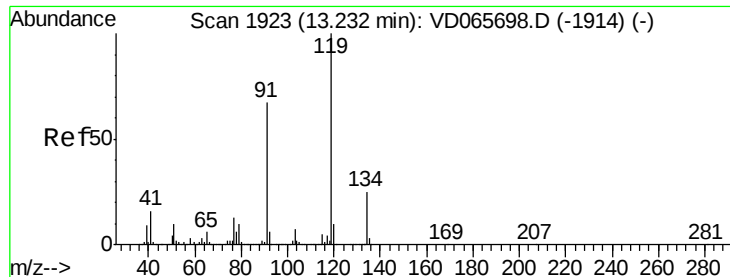
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.1	51.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

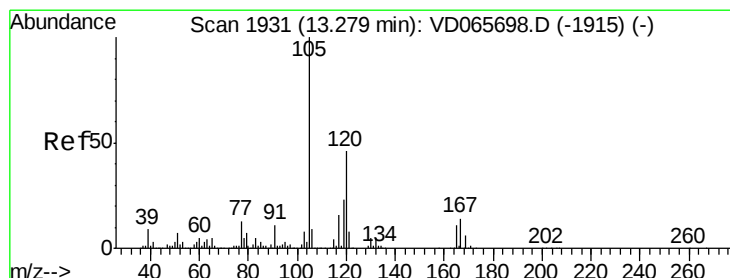
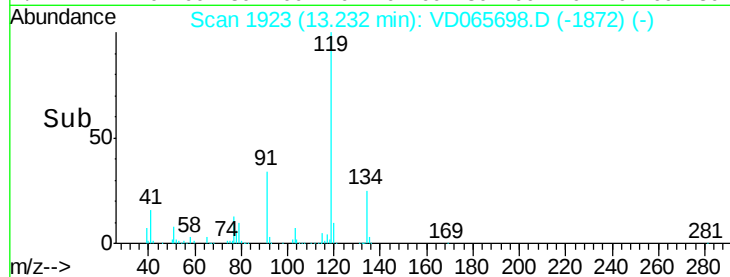
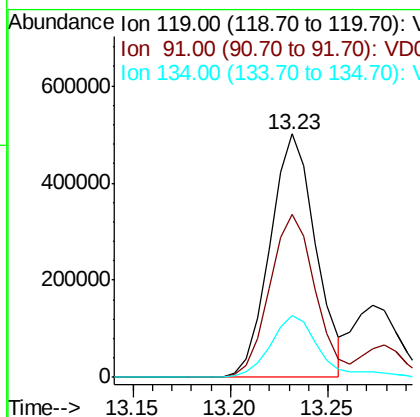
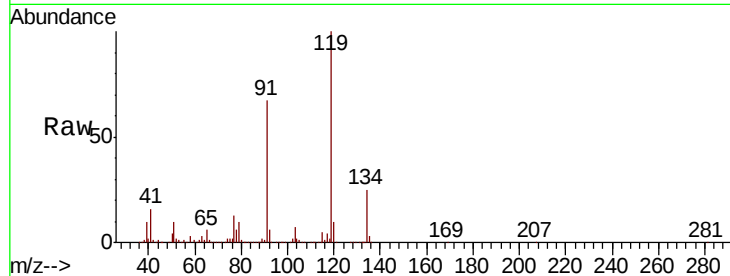




#83
 tert-Butylbenzene
 Concen: 57.774 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

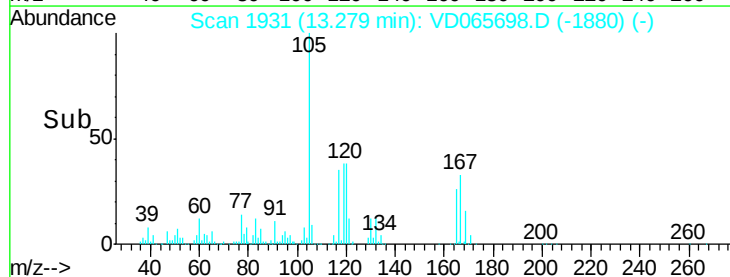
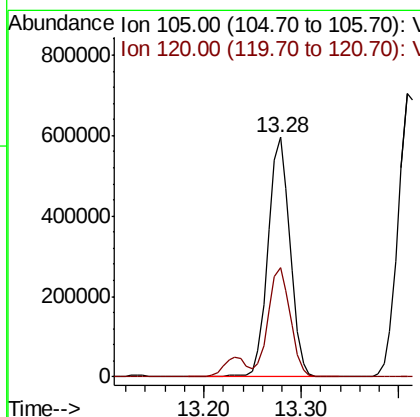
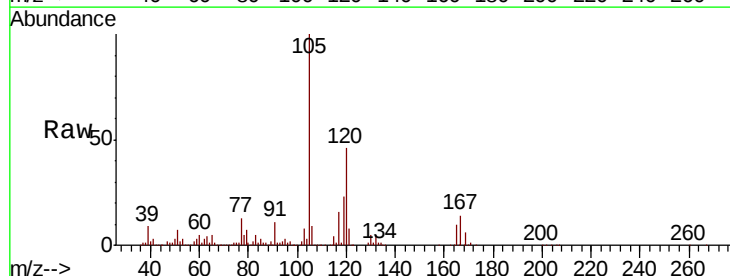
Instrument :
 MSVOA_D
 ClientSampleId :

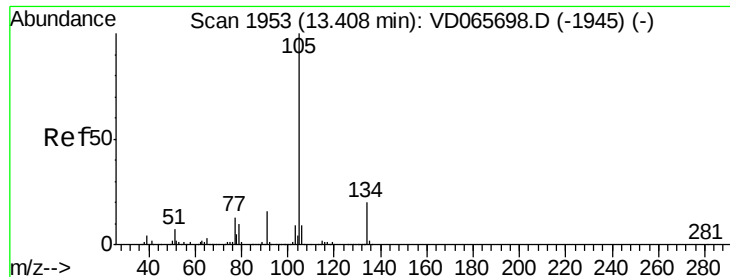
Tot Ion:119 Resp: 810413
 Ion Ratio Lower Upper
 119 100
 91 67.2 33.6 100.8
 134 27.2 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 56.528 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion:105 Resp: 942676
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.4

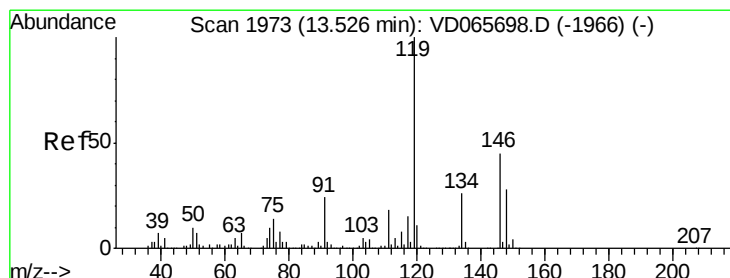
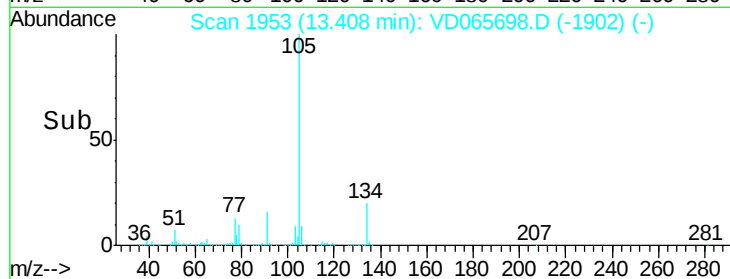
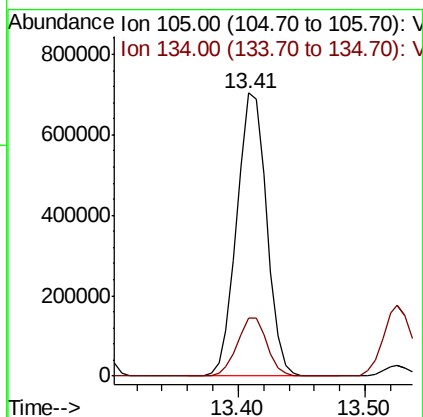
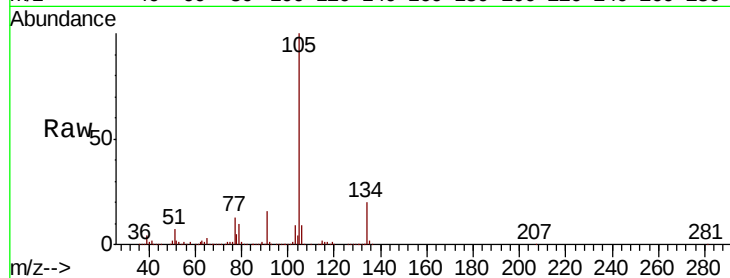




#85
 sec-Butylbenzene
 Concen: 56.962 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

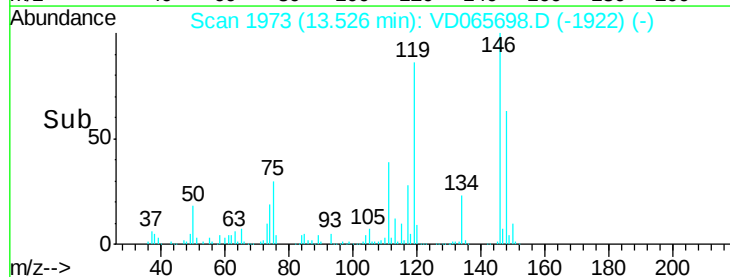
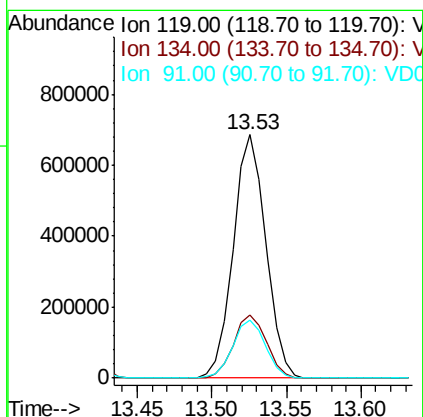
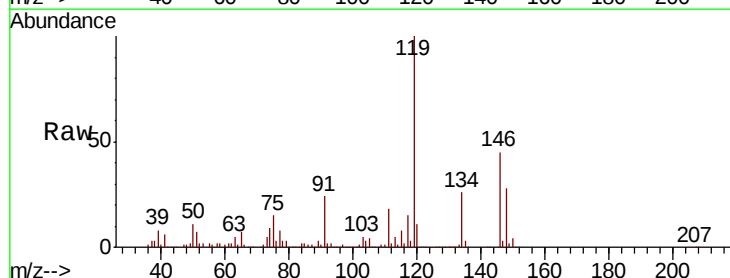
Instrument :
 MSVOA_D
 ClientSampled :

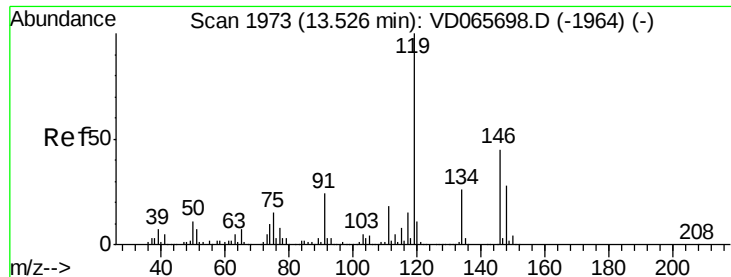
Tot Ion:105 Resp: 1145633
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 56.573 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion:119 Resp: 1041355
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.6
 91 24.1 12.0 36.1

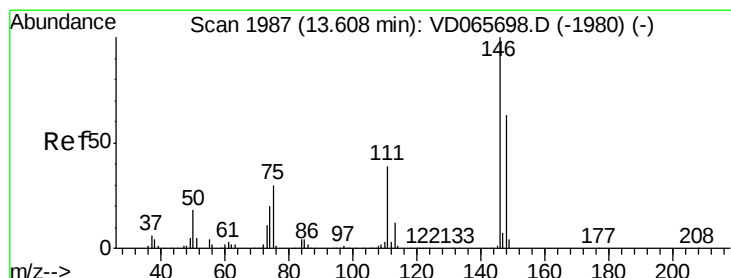
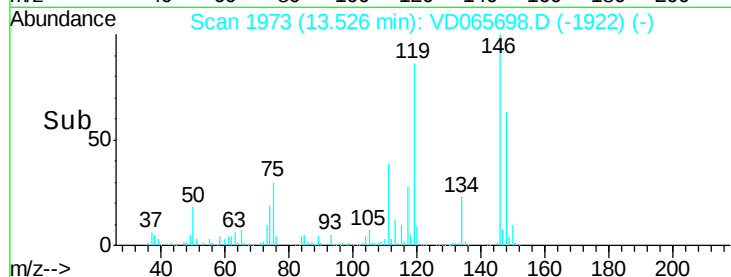
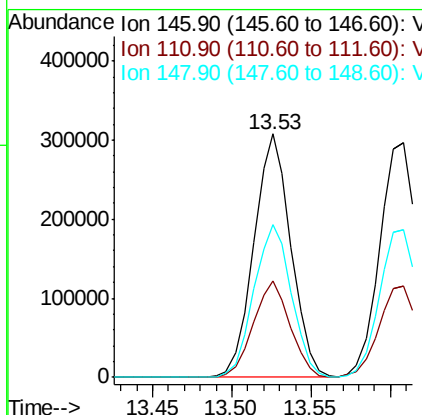
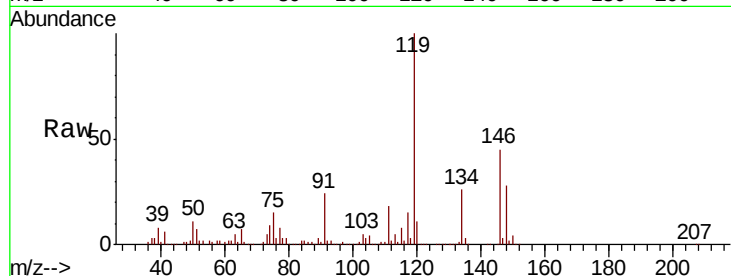




#87
 1,3-Dichlorobenzene
 Concen: 48.062 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

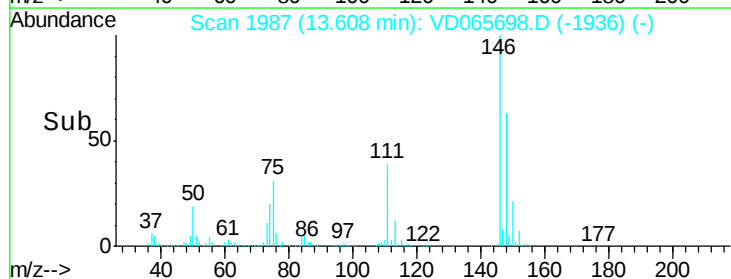
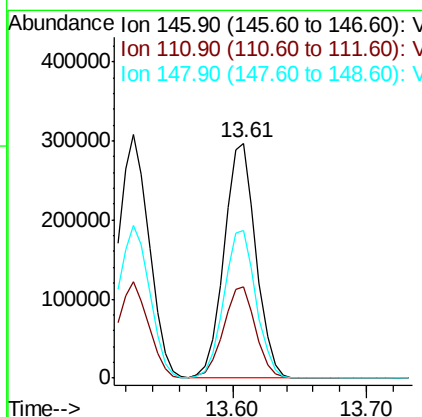
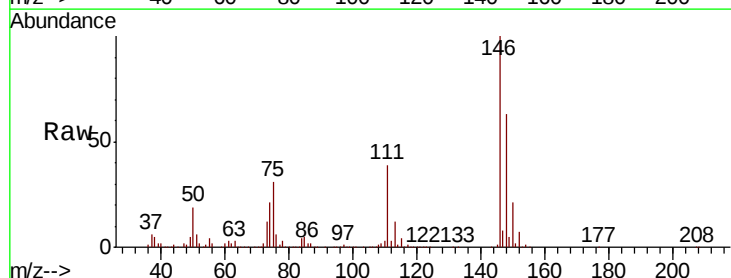
Instrument :
 MSVOA_D
 ClientSampleId :

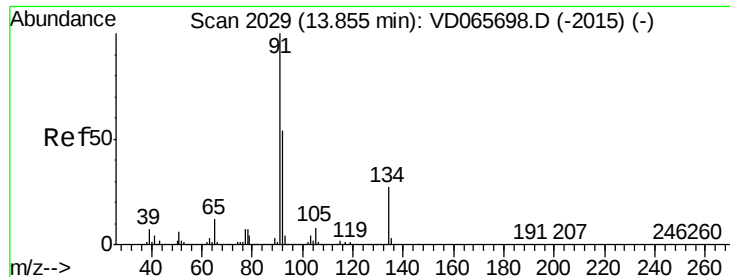
Tot Ion:146 Resp: 498861
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.8
 148 63.8 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 47.613 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion:146 Resp: 493255
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.7
 148 63.7 31.9 95.5





#89

n-Butylbenzene

Concen: 59.523 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampled :

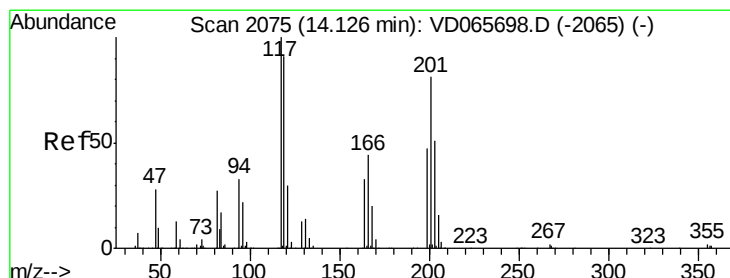
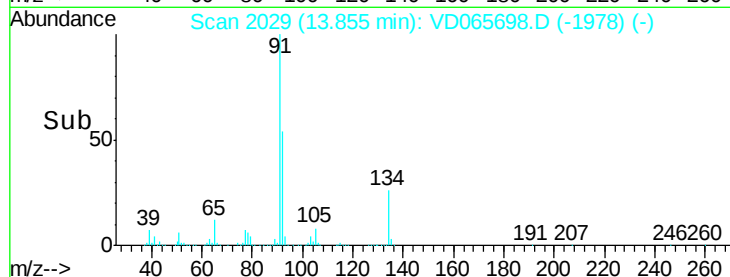
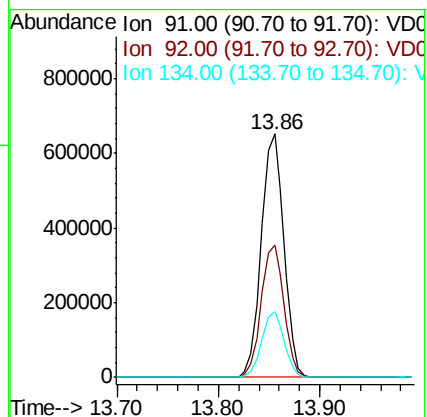
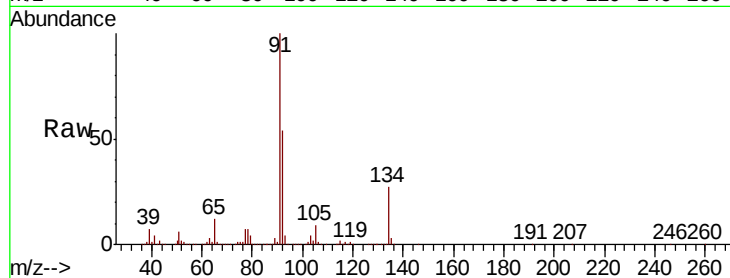
Tot Ion: 91 Resp: 1008200

Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.0
134	26.5	13.3	39.8

91 100

92 54.7 27.4 82.0

134 26.5 13.3 39.8



#90

Hexachloroethane

Concen: 51.629 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.00 min

Lab File: VD065698.D

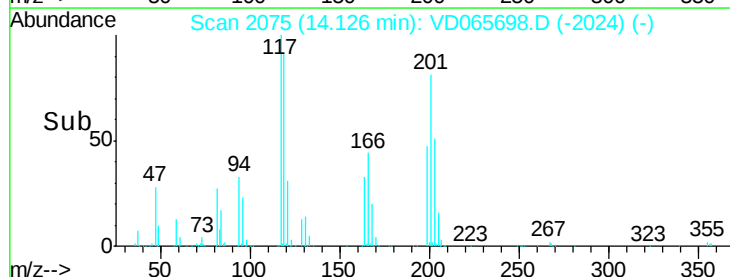
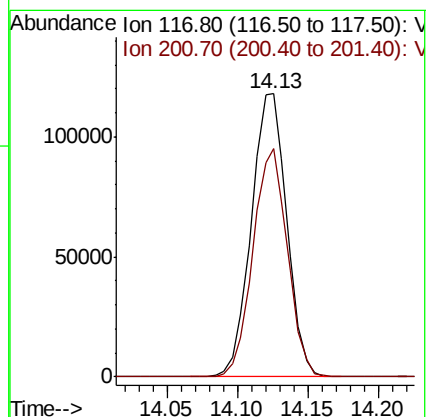
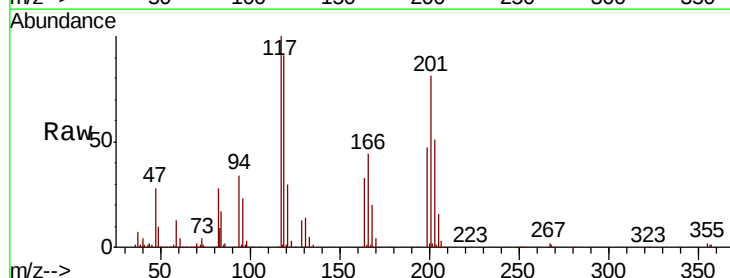
Acq: 06 May 2020 15:38

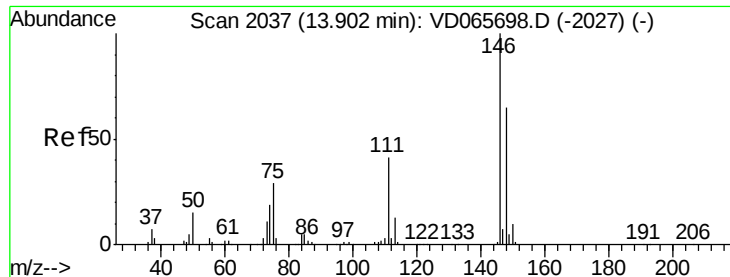
Tgt Ion: 117 Resp: 208408

Ion	Ratio	Lower	Upper
117	100		
201	78.1	39.1	117.2

117 100

201 78.1 39.1 117.2





#91

1,2-Dichlorobenzene

Concen: 48.933 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

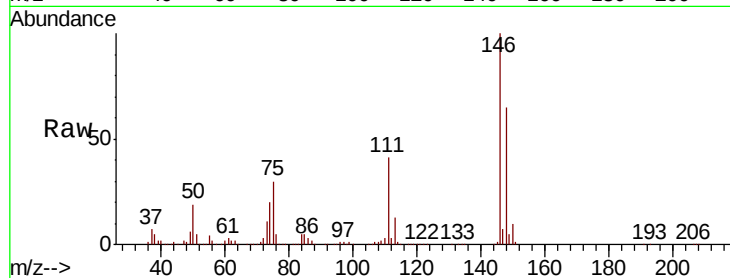
Tot Ion:146 Resp: 432766

Ion Ratio Lower Upper

146 100

111 40.7 20.3 61.0

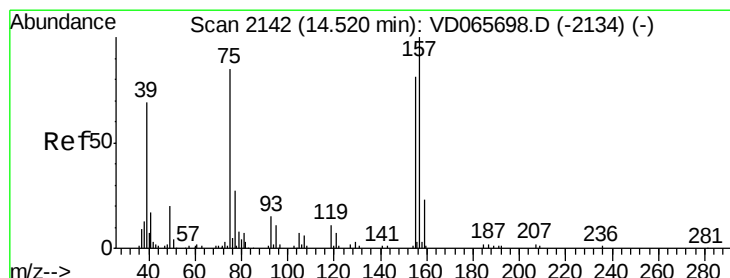
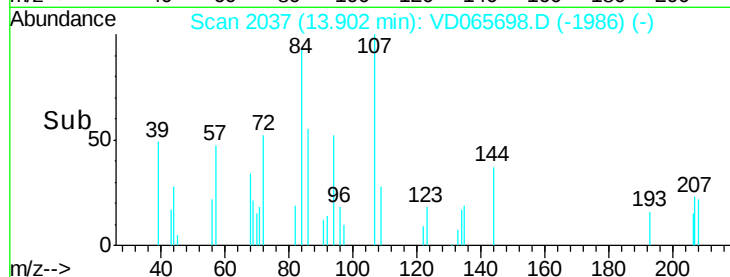
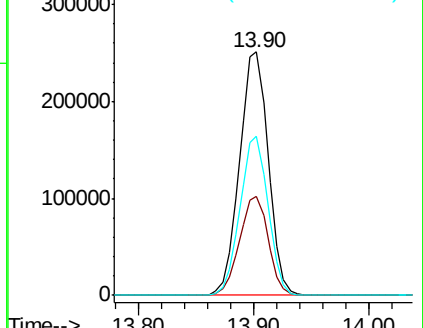
148 63.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.582 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD065698.D

Acq: 06 May 2020 15:38

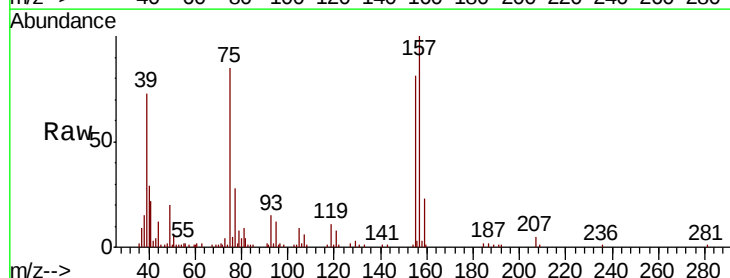
Tgt Ion: 75 Resp: 33409

Ion Ratio Lower Upper

75 100

155 87.0 43.5 130.5

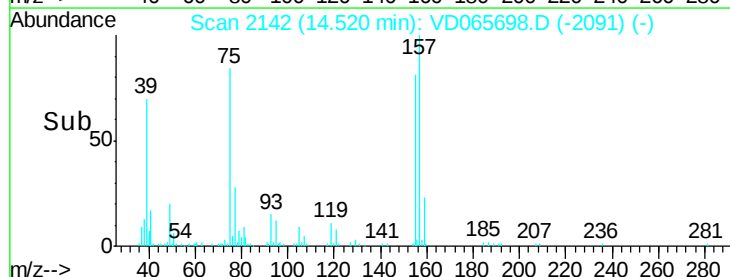
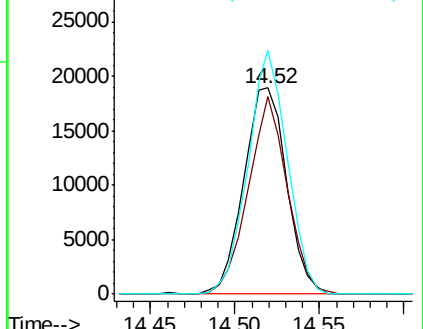
157 109.1 54.5 163.6

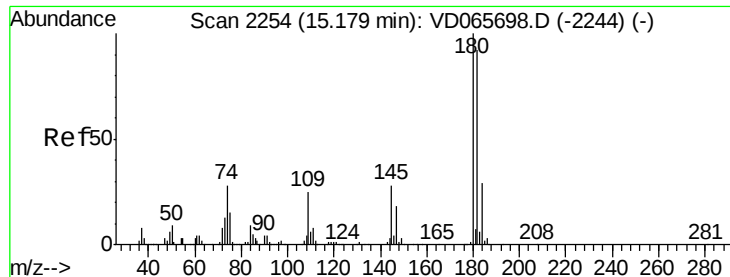


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

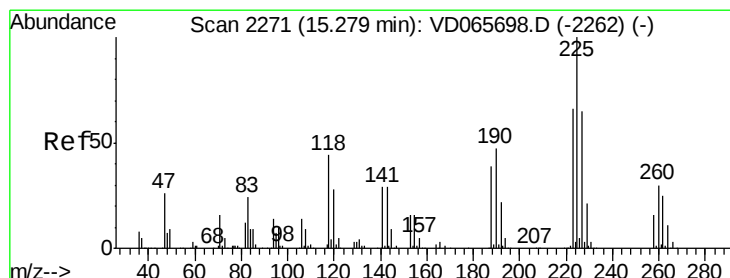
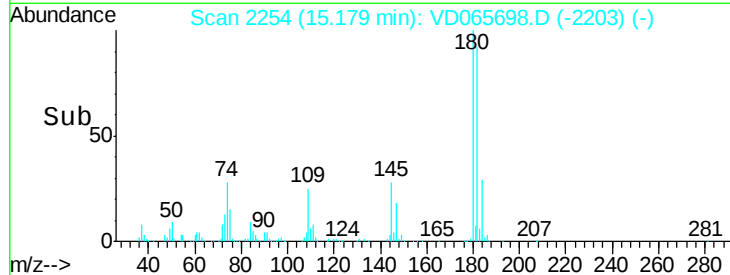
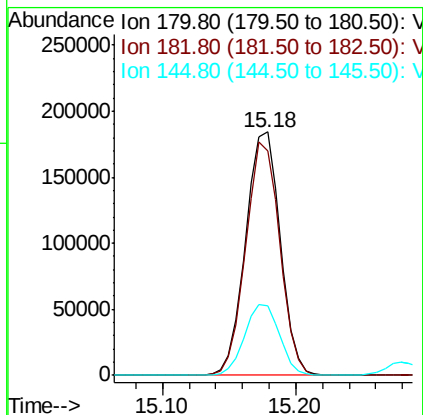
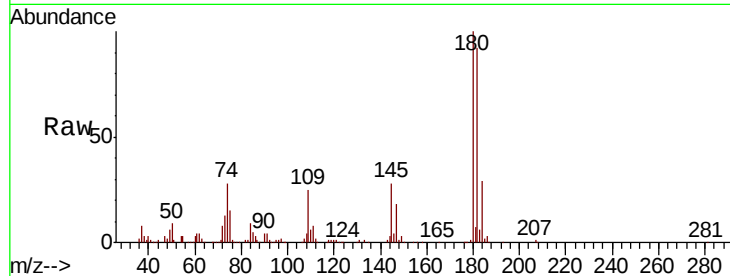




#93
 1,2,4-Trichlorobenzene
 Concen: 55.384 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

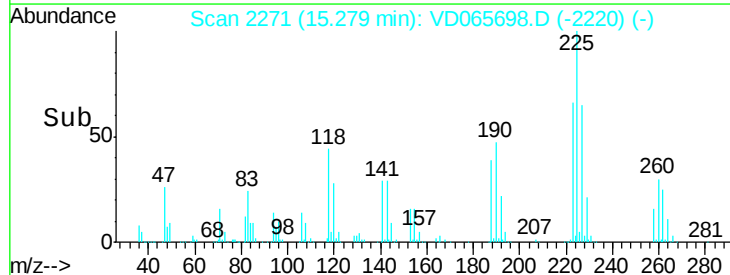
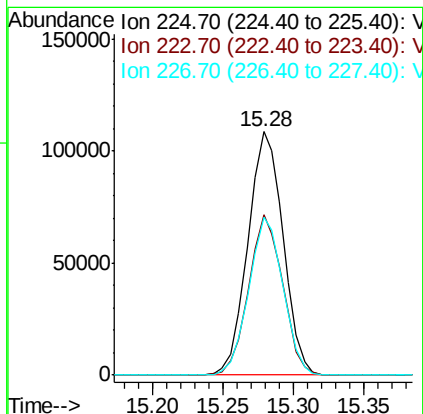
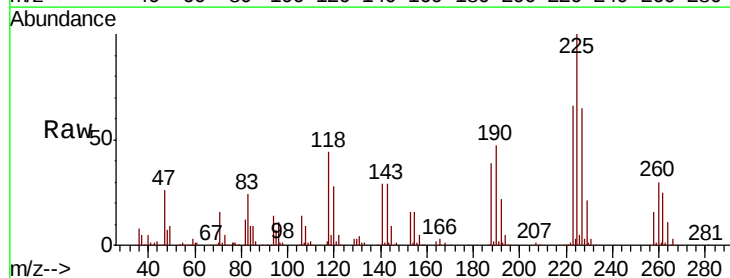
Instrument :
 MSVOA_D
 ClientSampleId :

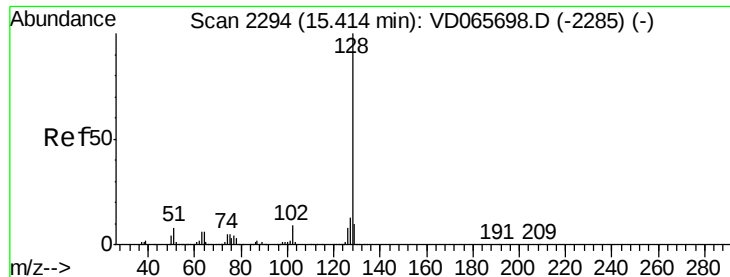
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	29.5	14.8	44.3



#94
 Hexachlorobutadiene
 Concen: 47.380 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065698.D
 Acq: 06 May 2020 15:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.8	95.3
227	63.2	31.6	94.8

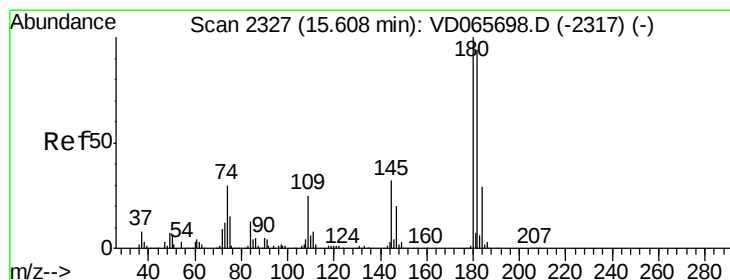
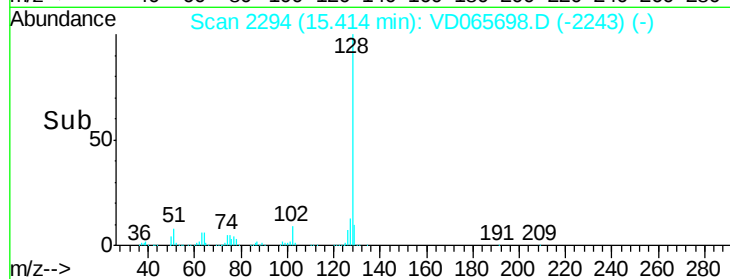
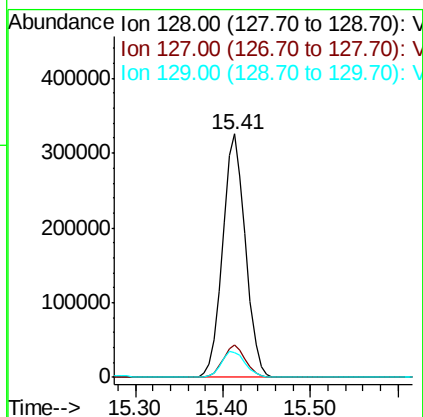
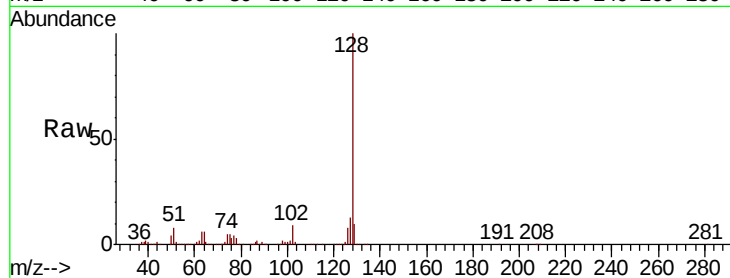




#95
Naphthalene
Concen: 65.139 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 581938
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.2 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 54.623 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065698.D
Acq: 06 May 2020 15:38

Tgt Ion:180 Resp: 279870
Ion Ratio Lower Upper
180 100
182 93.7 46.9 140.6
145 31.9 16.0 47.9

