

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065697.D
 Acq On : 06 May 2020 15:11
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 06 15:59:37 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	471553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	738670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	656574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	93012	20.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.60%	
35) Dibromofluoromethane	7.92	113	90372	17.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.60%	
50) Toluene-d8	10.34	98	335150	18.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.02%	
62) 4-Bromofluorobenzene	12.64	95	120693	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	65900	16.069	ug/l	98
3) Chloromethane	2.21	50	91044	17.596	ug/l	96
4) Vinyl Chloride	2.35	62	92643	19.007	ug/l	97
5) Bromomethane	2.75	94	59851	17.546	ug/l	94
6) Chloroethane	2.91	64	59952	19.761	ug/l	92
7) Trichlorofluoromethane	3.27	101	147764	19.639	ug/l	100
8) Diethyl Ether	3.71	74	48654	28.971	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	92466	19.115	ug/l	98
10) Methyl Iodide	4.30	142	81981	17.658	ug/l	98
11) Tert butyl alcohol	5.23	59	49575	196.209	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	90096	19.975	ug/l	97
13) Acrolein	3.92	56	42803	131.781	ug/l	99
14) Allyl chloride	4.71	41	181261	25.697	ug/l	98
15) Acrylonitrile	5.43	53	114467	120.593	ug/l	98
16) Acetone	4.16	43	100406	115.466	ug/l	96
17) Carbon Disulfide	4.41	76	296064	19.795	ug/l	99
18) Methyl Acetate	4.72	43	52687	21.886	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	225124	24.795	ug/l	94
20) Methylene Chloride	4.96	84	107739	20.255	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	105829	20.915	ug/l	96
22) Diisopropyl ether	6.37	45	341495	25.448	ug/l	96
23) Vinyl Acetate	6.31	43	1053207	143.576	ug/l	98
24) 1,1-Dichloroethane	6.27	63	185088	21.411	ug/l	100
25) 2-Butanone	7.21	43	156408	131.820	ug/l	100
26) 2,2-Dichloropropane	7.21	77	168353	21.726	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	113084	21.507	ug/l	100
28) Bromochloromethane	7.55	49	78270	22.081	ug/l	99
29) Tetrahydrofuran	7.57	42	103314	138.947	ug/l	99
30) Chloroform	7.71	83	182193	20.440	ug/l	98
31) Cyclohexane	7.98	56	188900	23.185	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	164930	20.407	ug/l	99
36) 1,1-Dichloropropene	8.11	75	146948	19.697	ug/l	97
37) Ethyl Acetate	7.30	43	69284	23.584	ug/l #	94
38) Carbon Tetrachloride	8.10	117	146415	18.335	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183339	21.613	ug/l	97
40) Benzene	8.36	78	405644	19.187	ug/l	99
41) Methacrylonitrile	7.56	41	99430	60.965	ug/l #	20
42) 1,2-Dichloroethane	8.43	62	116011	19.387	ug/l	97
43) Isopropyl Acetate	8.46	43	148565	27.179	ug/l	99
44) Trichloroethene	9.11	130	111479	18.437	ug/l	91
45) 1,2-Dichloropropane	9.39	63	106541	20.409	ug/l	98
46) Dibromomethane	9.48	93	52026	18.658	ug/l	96
47) Bromodichloromethane	9.66	83	142118	19.501	ug/l	97
48) Methyl methacrylate	9.46	41	74276	28.753	ug/l	99
49) 1,4-Dioxane	9.46	88	13538	444.275	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	362257	130.584	ug/l	100
52) Toluene	10.41	92	259358	19.497	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	142818	21.624	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	170736	21.289	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	74515	19.123	ug/l	99
56) Ethyl methacrylate	10.66	69	103933	25.239	ug/l	98
57) 1,3-Dichloropropane	10.95	76	132493	20.333	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	238539	112.434	ug/l	99
59) 2-Hexanone	10.99	43	246013	132.676	ug/l	99
60) Dibromochloromethane	11.14	129	96793	18.783	ug/l	97
61) 1,2-Dibromoethane	11.25	107	73315	19.645	ug/l	99
64) Tetrachloroethene	10.88	164	94682	18.724	ug/l	95
65) Chlorobenzene	11.67	112	270919	19.560	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	101022	19.180	ug/l	99
67) Ethyl Benzene	11.75	91	502638	21.750	ug/l	99
68) m/p-Xylenes	11.86	106	371147	41.273	ug/l	98
69) o-Xylene	12.18	106	175002	22.261	ug/l	99
70) Styrene	12.20	104	300422	21.819	ug/l	99
71) Bromoform	12.37	173	57773	19.387	ug/l #	99
73) Isopropylbenzene	12.48	105	479723	24.027	ug/l	100
74) N-amyl acetate	12.29	43	142146	32.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	82259	22.219	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	111798	44.219	ug/l #	100
77) Bromobenzene	12.77	156	111872	20.840	ug/l	99
78) n-propylbenzene	12.83	91	567969	23.590	ug/l	100
79) 2-Chlorotoluene	12.91	91	320345	23.174	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	393711	23.429	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31846	28.080	ug/l	99
82) 4-Chlorotoluene	13.01	91	334626	22.584	ug/l	100
83) tert-Butylbenzene	13.23	119	338477	24.207	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	397638	23.921	ug/l	99
85) sec-Butylbenzene	13.41	105	471215	23.504	ug/l	99
86) p-Isopropyltoluene	13.53	119	432117	23.551	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	214508	20.733	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	207537	20.097	ug/l	99
89) n-Butylbenzene	13.85	91	415445	24.606	ug/l	100
90) Hexachloroethane	14.12	117	84461	20.990	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	184610	20.941	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14074	23.912	ug/l	95

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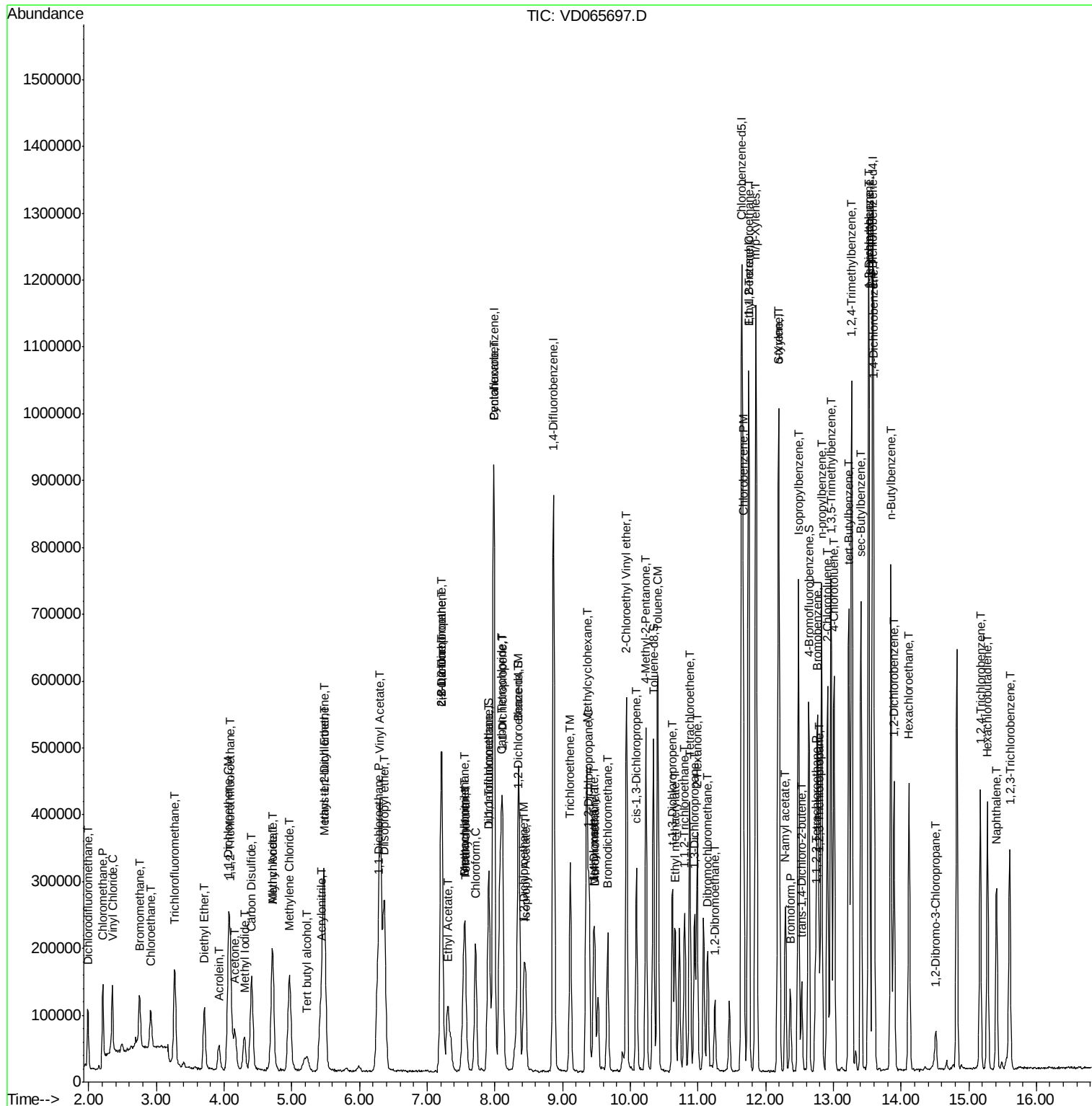
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	138965	23.451	ug/l	99
94) Hexachlorobutadiene	15.28	225	78533	19.622	ug/l	98
95) Naphthalene	15.41	128	239844	26.933	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	117138	22.935	ug/l	98

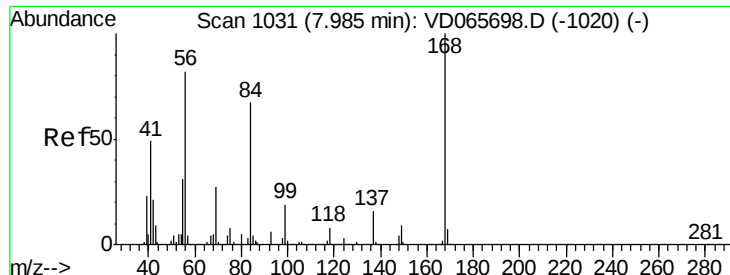
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

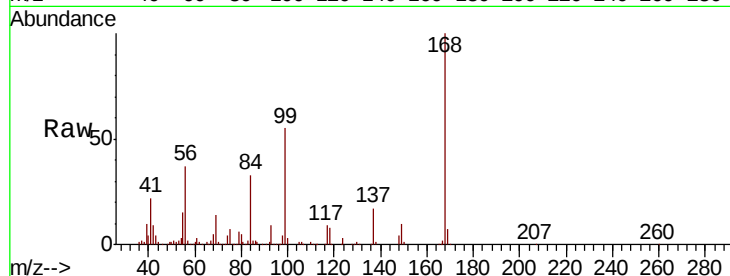
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Tot Ion:168 Resp: 471553

Ion Ratio Lower Upper

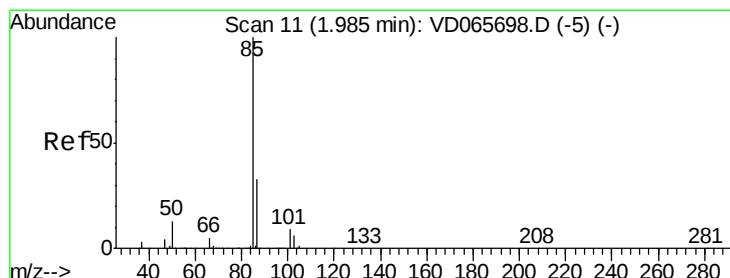
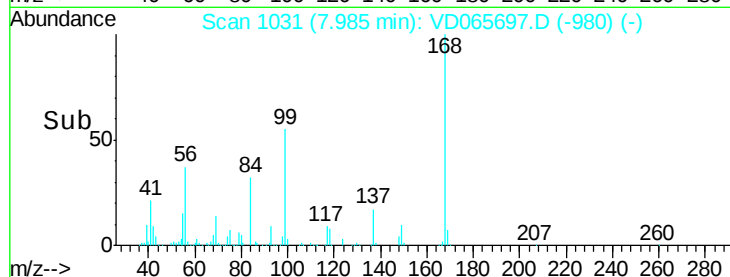
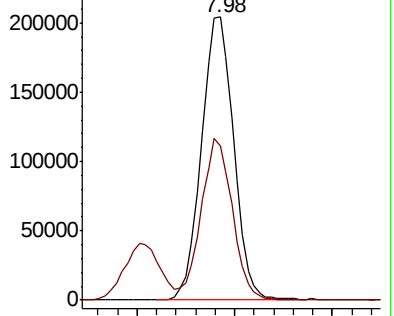
168 100

99 54.3 44.2 66.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 16.069 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065697.D

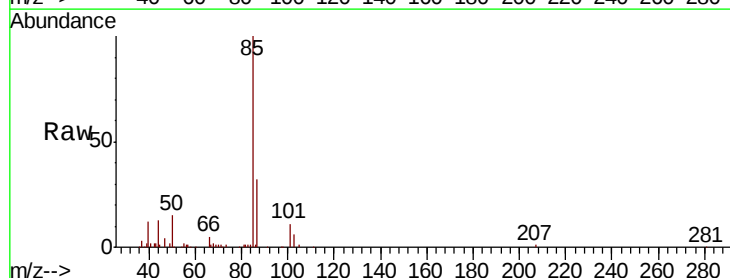
Acq: 06 May 2020 15:11

Tgt Ion: 85 Resp: 65900

Ion Ratio Lower Upper

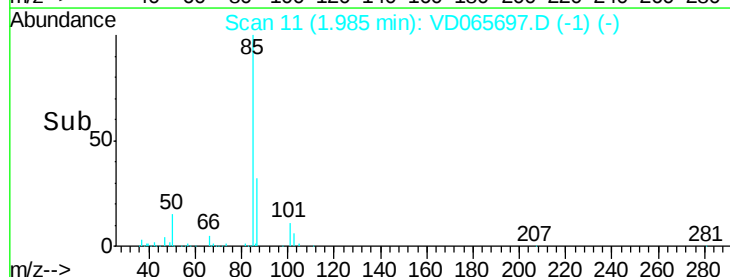
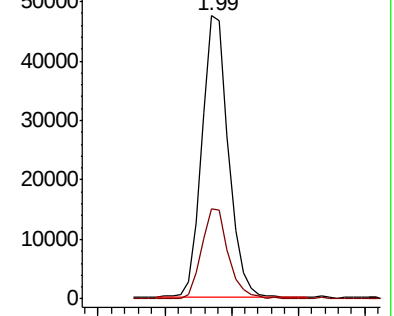
85 100

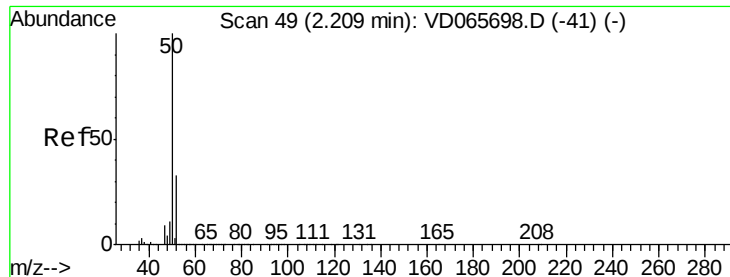
87 31.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.596 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

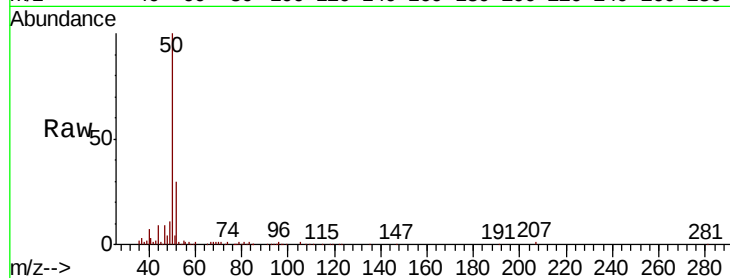
ClientSampleId :

Tot Ion: 50 Resp: 91044

Ion Ratio Lower Upper

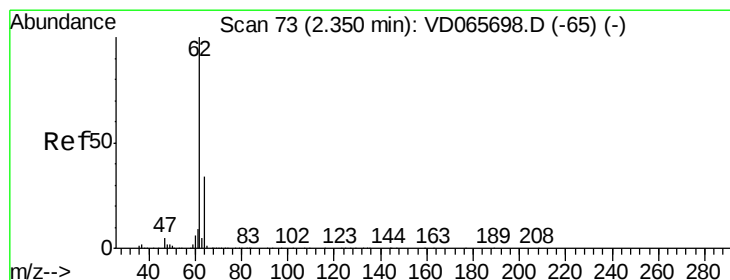
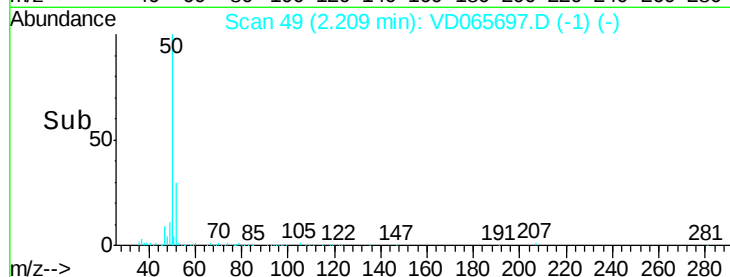
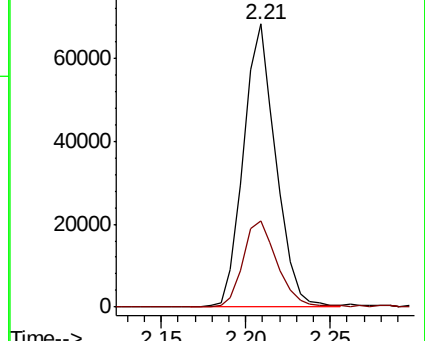
50 100

52 30.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.007 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065697.D

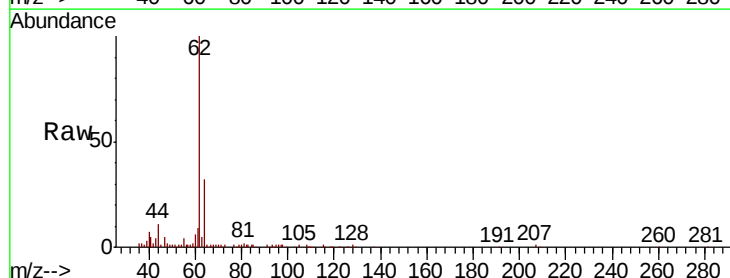
Acq: 06 May 2020 15:11

Tgt Ion: 62 Resp: 92643

Ion Ratio Lower Upper

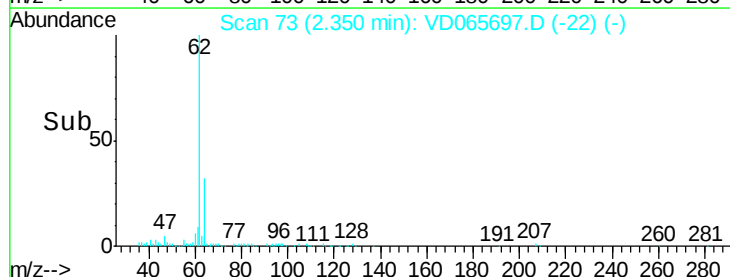
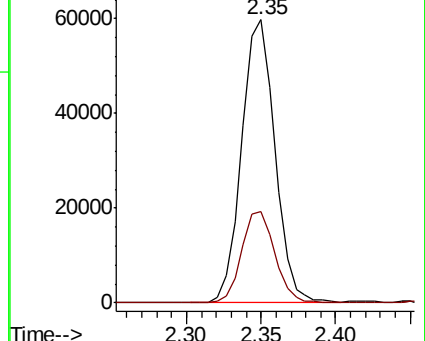
62 100

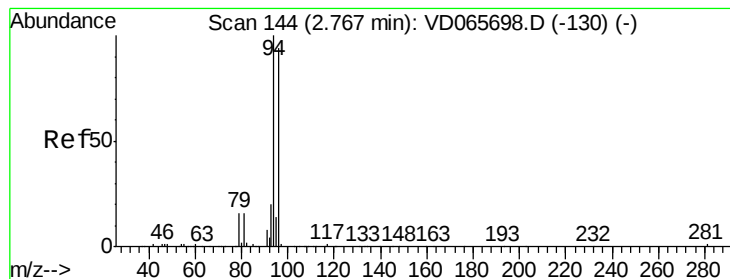
64 32.1 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 17.546 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

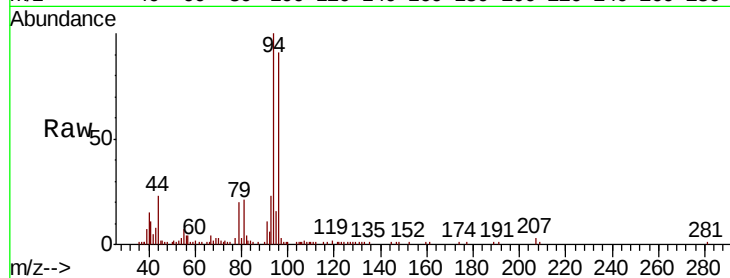
ClientSampleId :

Tot Ion: 94 Resp: 59851

Ion Ratio Lower Upper

94 100

96 88.4 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.75

30000

25000

20000

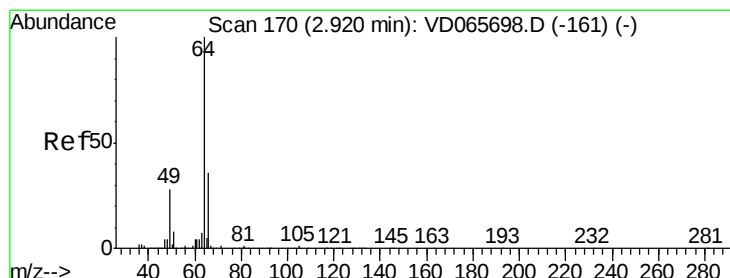
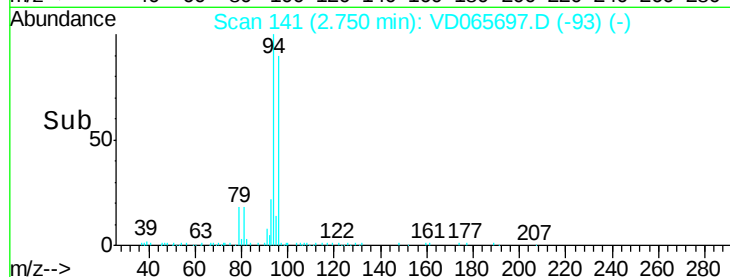
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.761 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065697.D

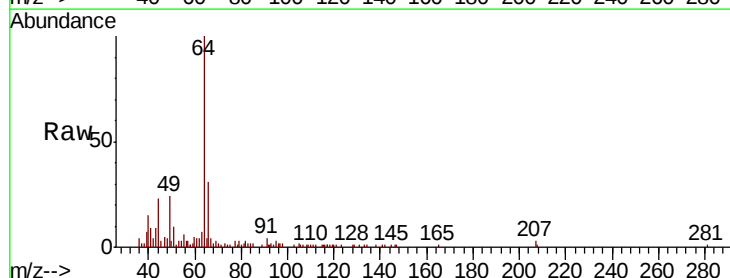
Acq: 06 May 2020 15:11

Tgt Ion: 64 Resp: 59952

Ion Ratio Lower Upper

64 100

66 30.7 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

30000

25000

20000

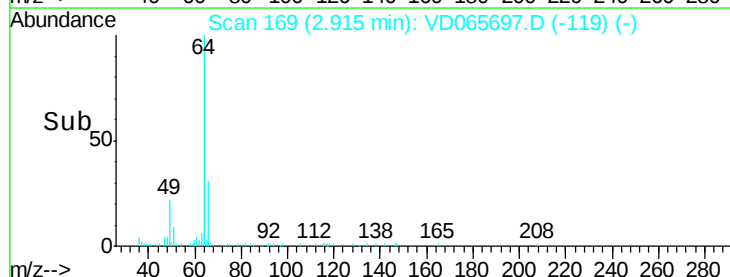
15000

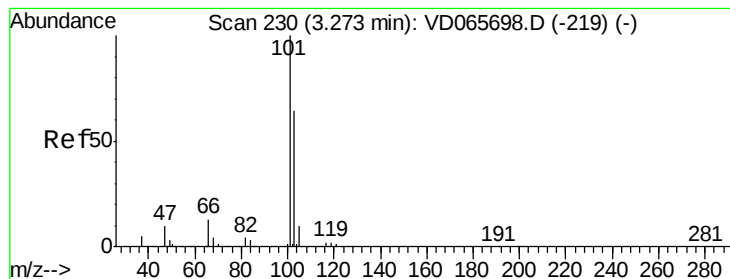
10000

5000

0

Time-->



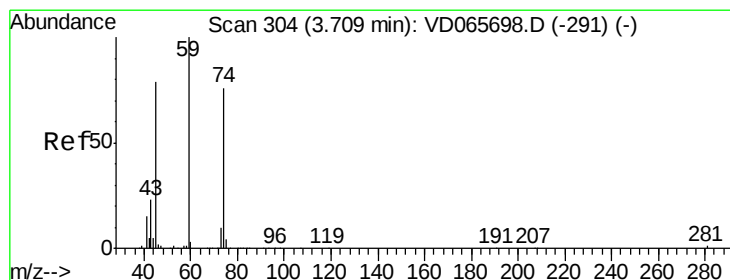
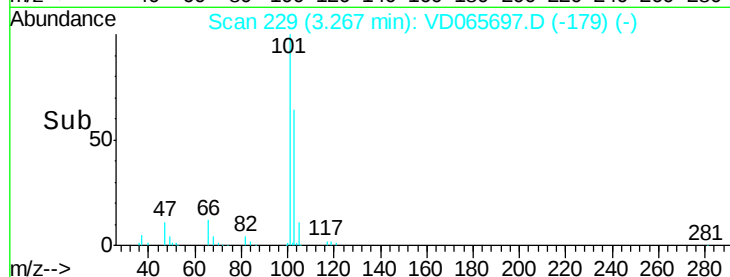
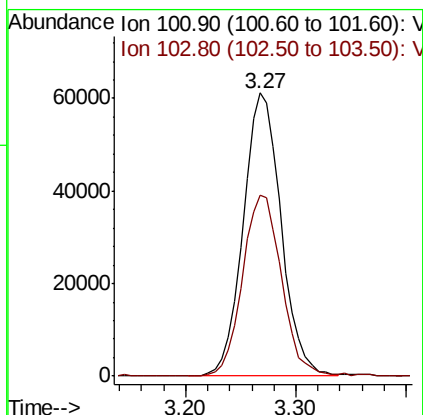
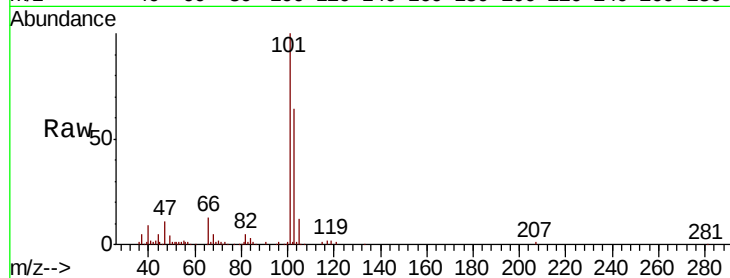


#7

Trichlorofluoromethane
 Concen: 19.639 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Instrument :
 MSVOA_D
 ClientSampleId :

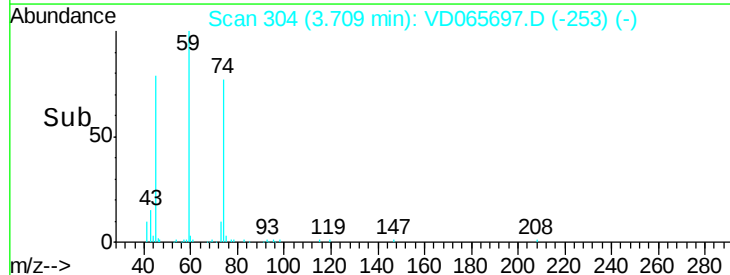
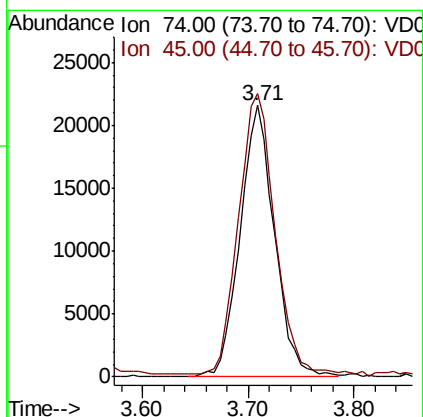
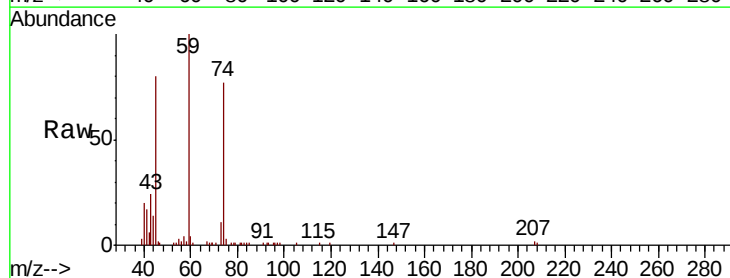
Tot Ion:101 Resp: 147764
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.1 76.7

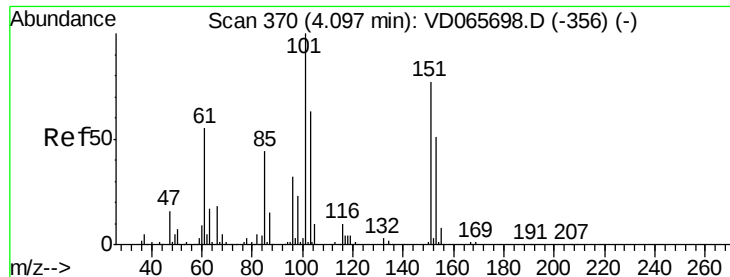


#8

Diethyl Ether
 Concen: 28.971 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion: 74 Resp: 48654
 Ion Ratio Lower Upper
 74 100
 45 113.8 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.115 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

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ClientSampleId :

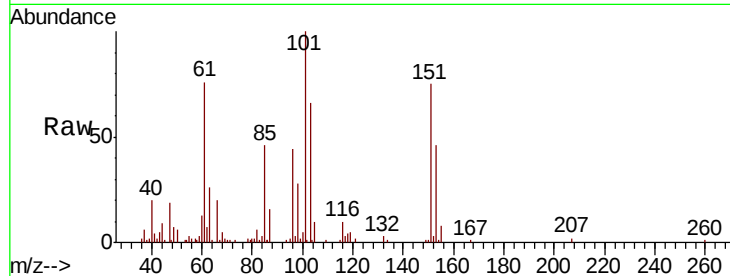
Tot Ion:101 Resp: 92466

Ion Ratio Lower Upper

101 100

85 45.6 34.4 51.6

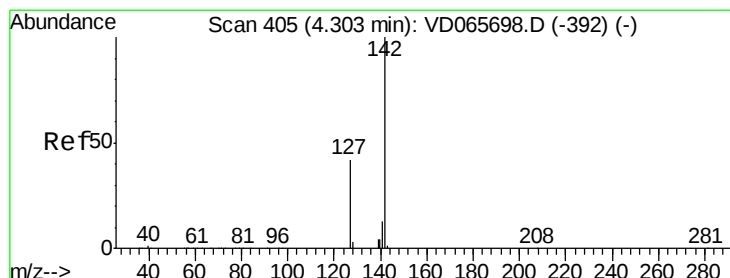
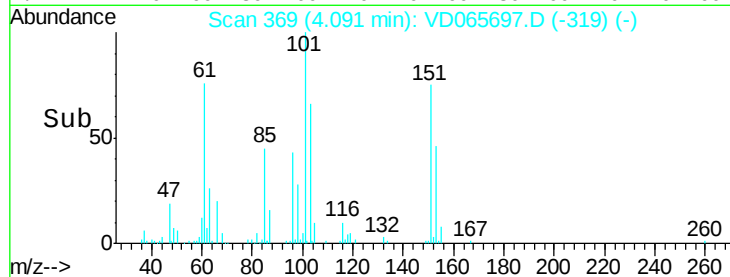
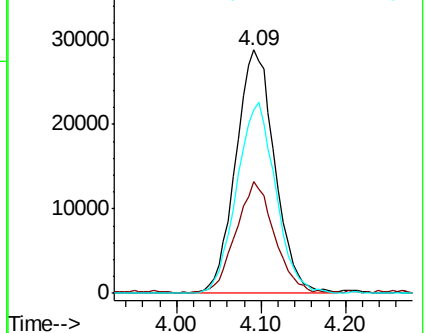
151 78.3 63.0 94.4



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: 17.658 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

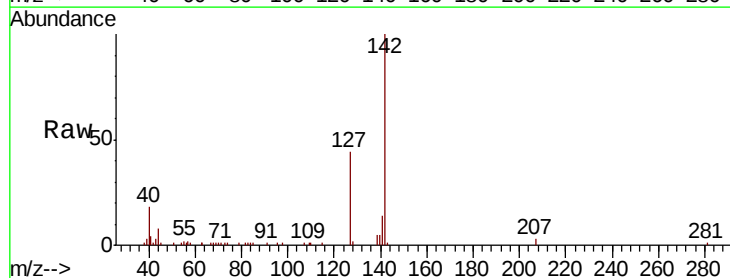
Tgt Ion:142 Resp: 81981

Ion Ratio Lower Upper

142 100

127 44.3 34.5 51.7

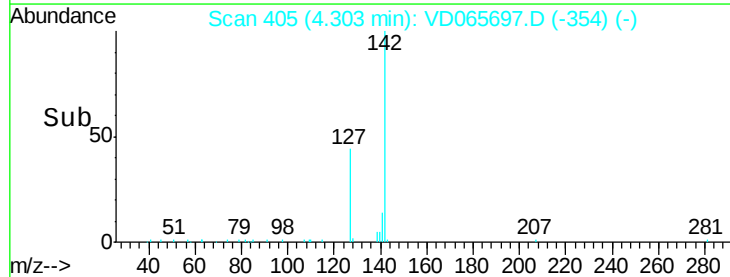
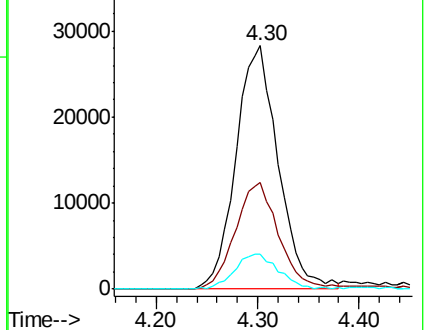
141 14.8 11.6 17.4

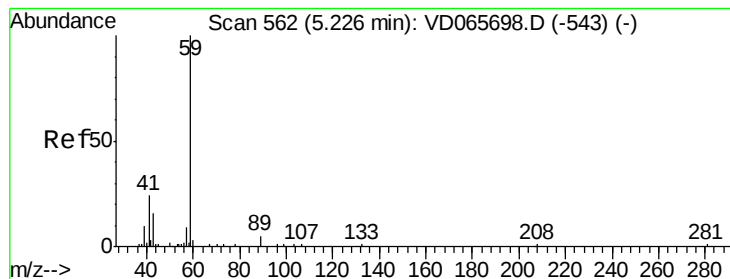


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



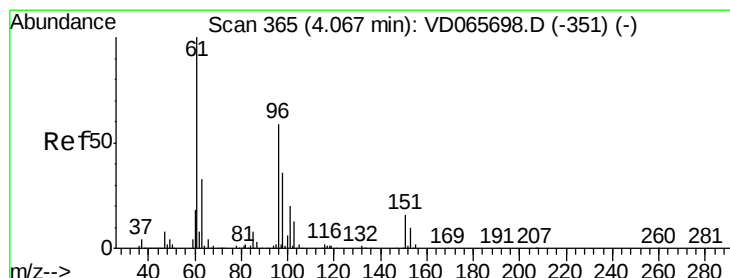
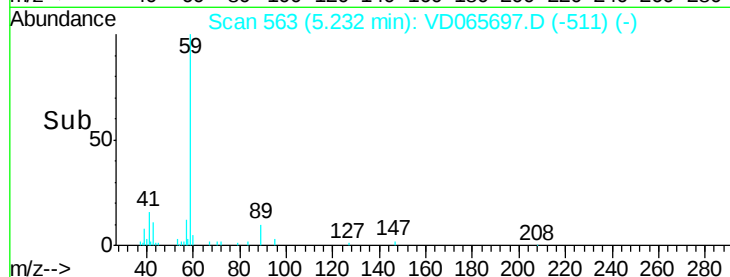
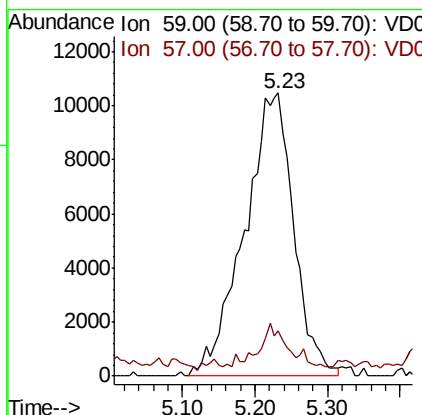
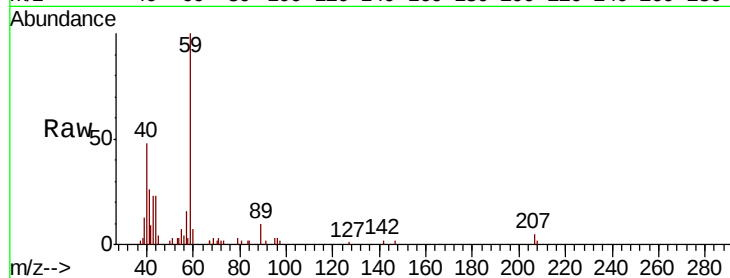


#11

Tert butyl alcohol
Concen: 196.209 ug/l
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :

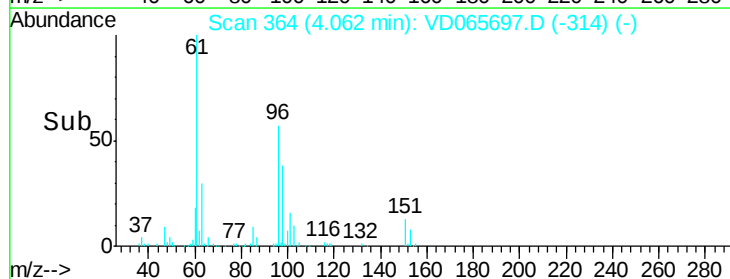
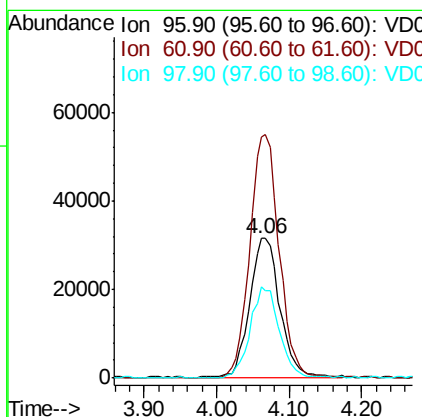
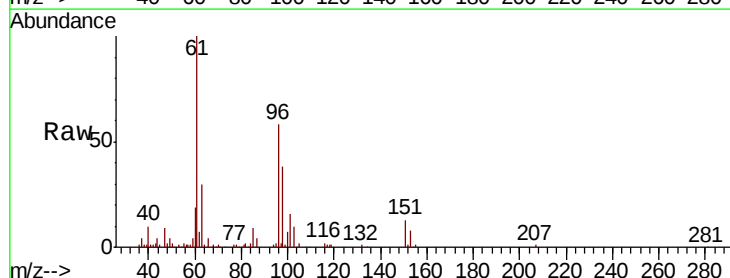
Tot Ion: 59 Resp: 49575
Ion Ratio Lower Upper
59 100
57 5.7 8.7 13.1#

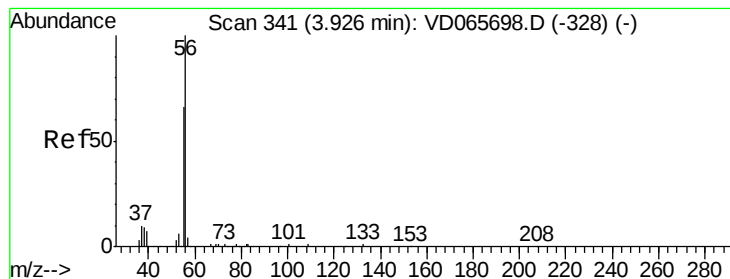


#12

1,1-Dichloroethene
Concen: 19.975 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion: 96 Resp: 90096
Ion Ratio Lower Upper
96 100
61 173.3 136.0 204.0
98 66.0 49.7 74.5





#13

Acrolein

Concen: 131.781 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

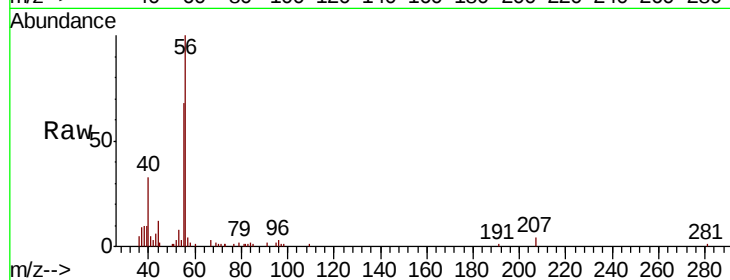
ClientSampleId :

Tot Ion: 56 Resp: 42803

Ion Ratio Lower Upper

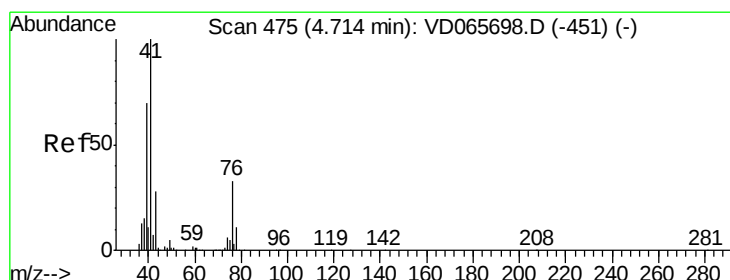
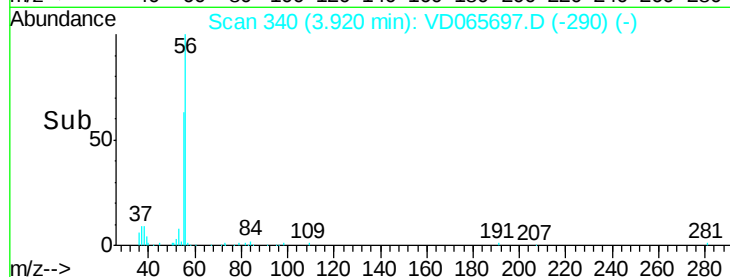
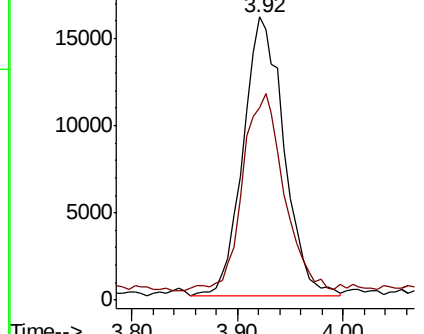
56 100

55 71.4 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 25.697 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

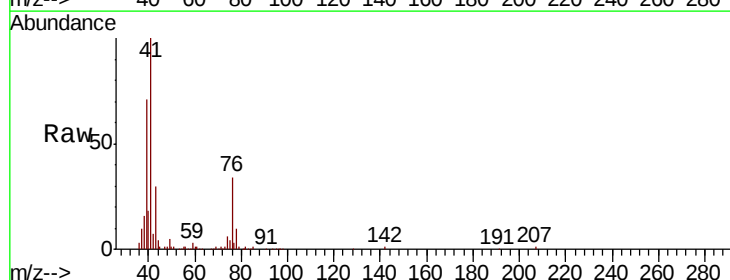
Tgt Ion: 41 Resp: 181261

Ion Ratio Lower Upper

41 100

39 71.2 55.6 83.4

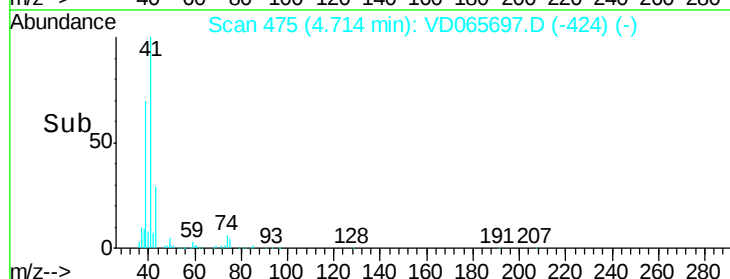
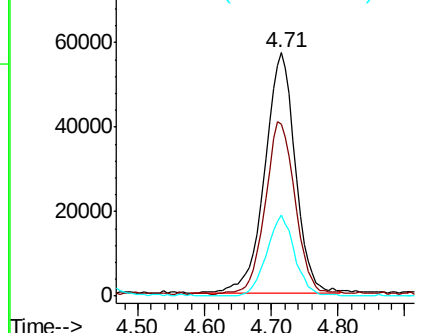
76 31.3 25.6 38.4

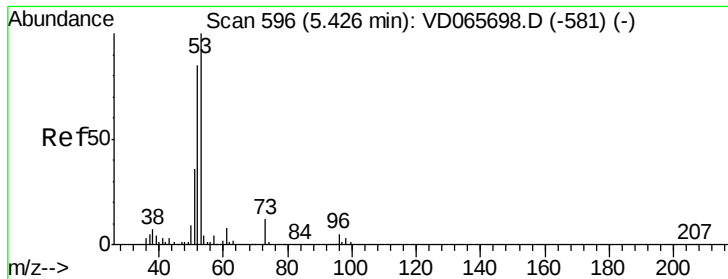


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 120.593 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

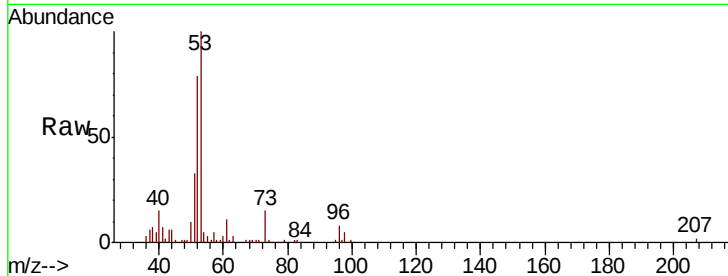
Tot Ion: 53 Resp: 114467

Ion Ratio Lower Upper

53 100

52 84.1 66.2 99.2

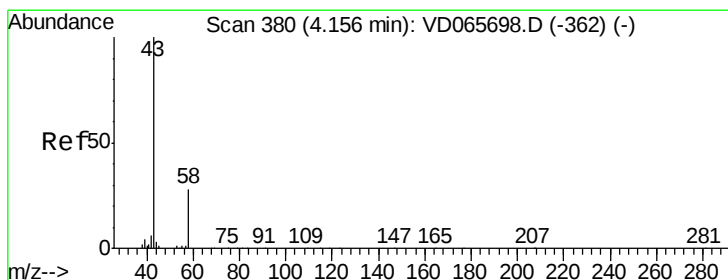
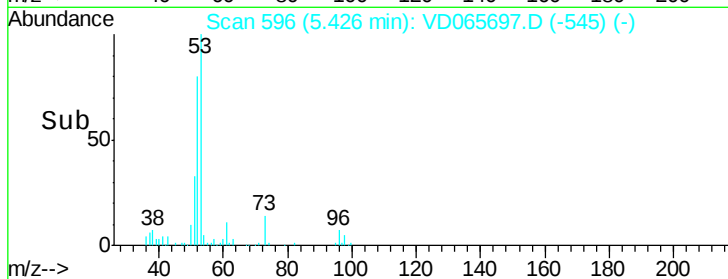
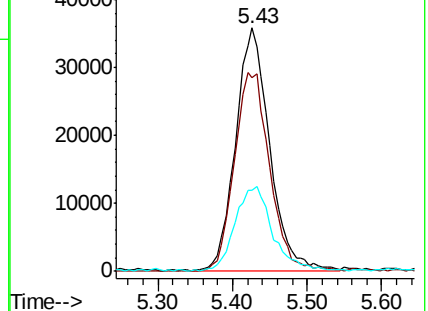
51 38.5 29.9 44.9



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: 115.466 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065697.D

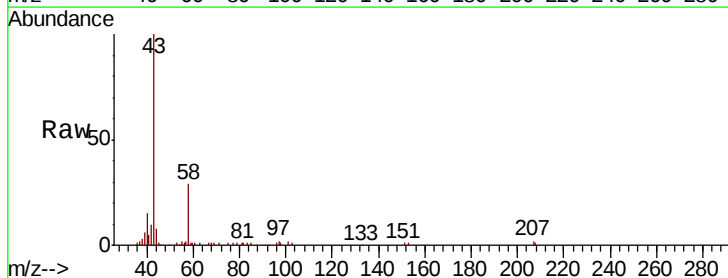
Acq: 06 May 2020 15:11

Tgt Ion: 43 Resp: 100406

Ion Ratio Lower Upper

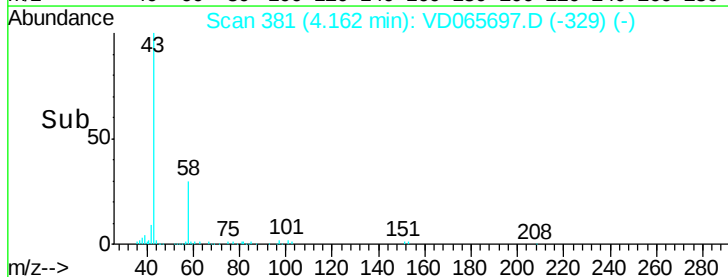
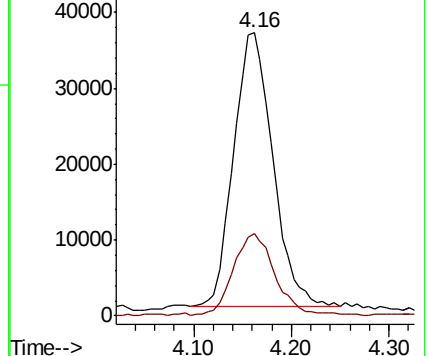
43 100

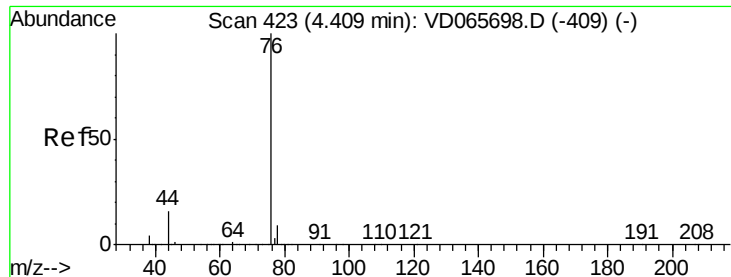
58 30.0 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

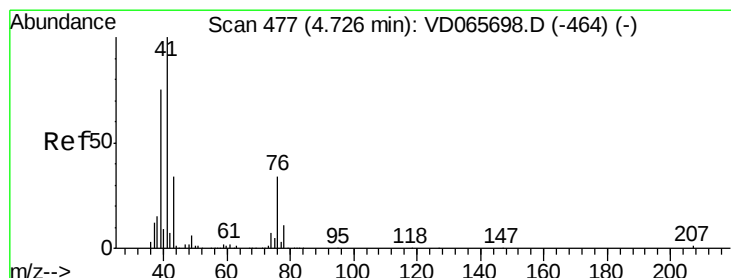
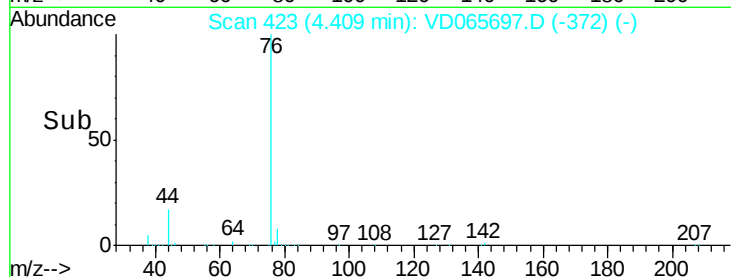
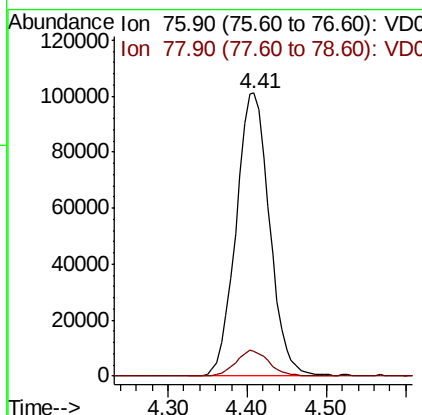
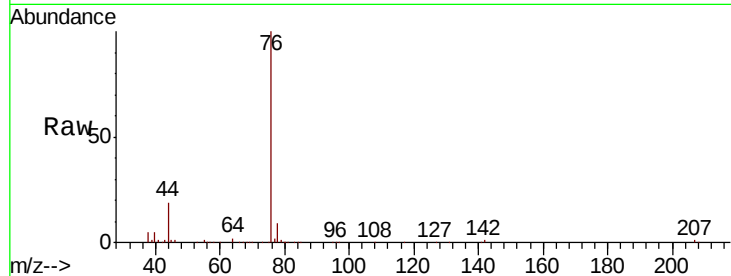




#17
Carbon Disulfide
Concen: 19.795 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

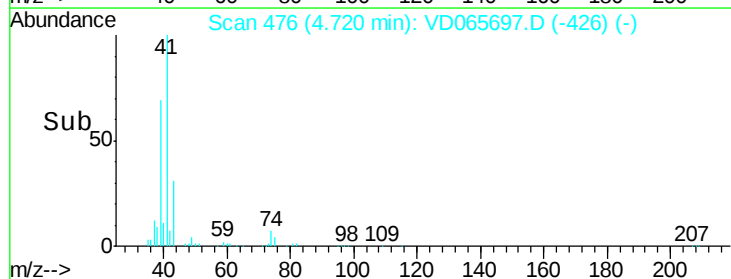
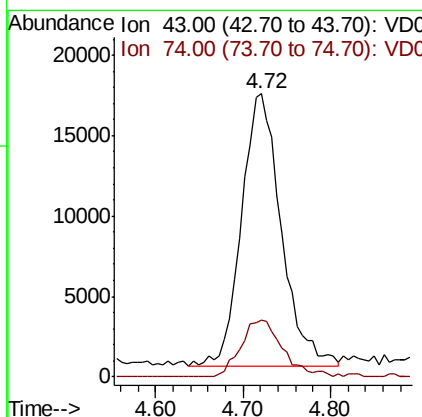
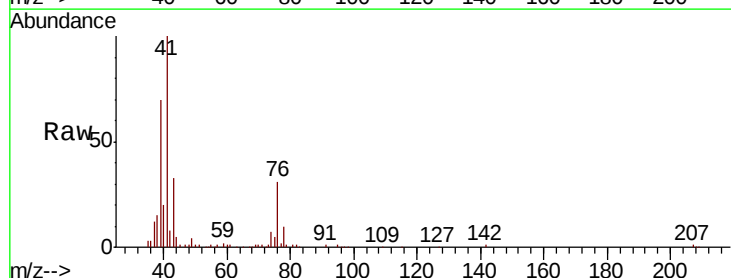
Instrument :
MSVOA_D
ClientSampleId :

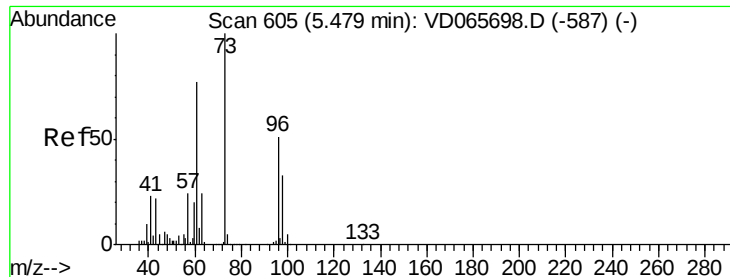
Tot Ion: 76 Resp: 296064
Ion Ratio Lower Upper
76 100
78 8.8 6.8 10.2



#18
Methyl Acetate
Concen: 21.886 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion: 43 Resp: 52687
Ion Ratio Lower Upper
43 100
74 21.8 17.1 25.7

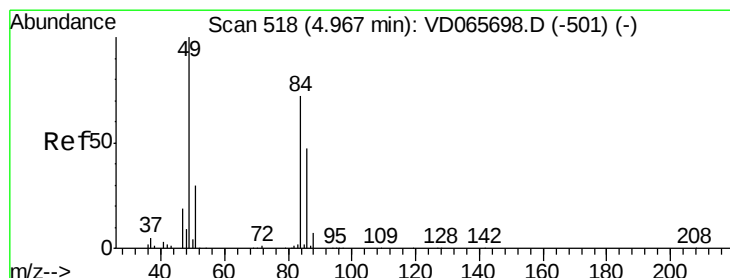
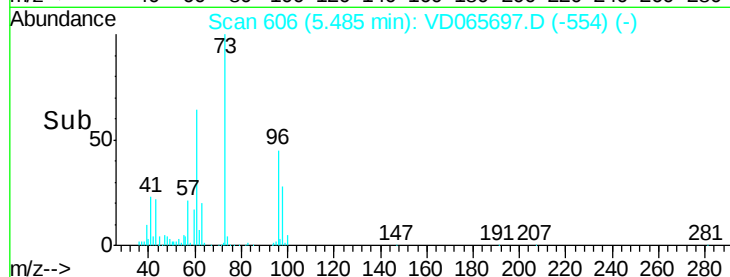
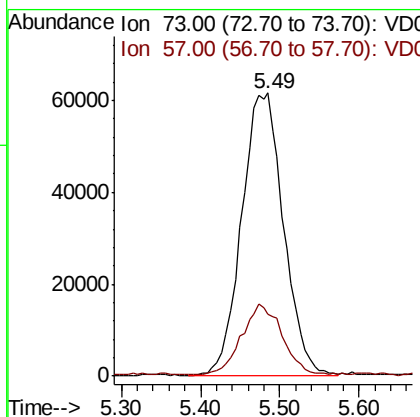
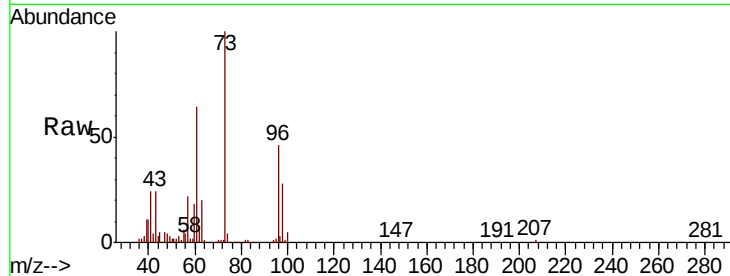




#19
Methvl tert-butvl Ether
Concen: 24.795 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

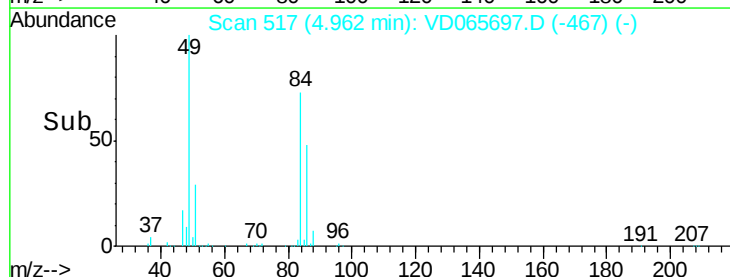
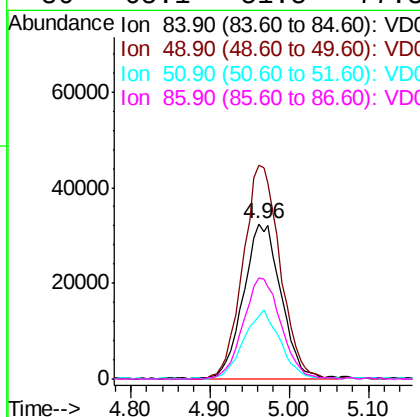
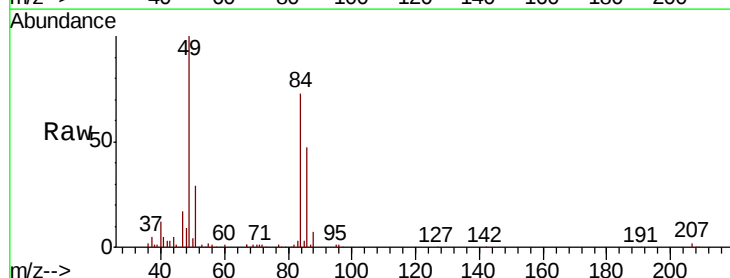
Instrument :
MSVOA_D
ClientSampleId :

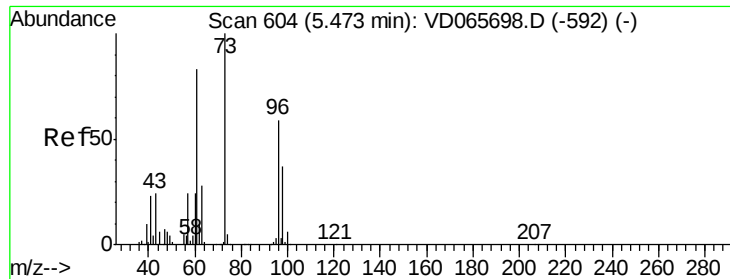
Tot Ion: 73 Resp: 225124
Ion Ratio Lower Upper
73 100
57 21.2 19.4 29.0



#20
Methylene Chloride
Concen: 20.255 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion: 84 Resp: 107739
Ion Ratio Lower Upper
84 100
49 137.6 110.4 165.6
51 40.3 33.4 50.2
86 65.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.915 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

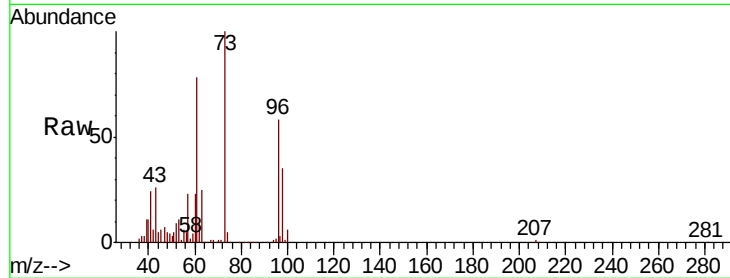
Tot Ion: 96 Resp: 105829

Ion Ratio Lower Upper

96 100

61 134.5 113.0 169.4

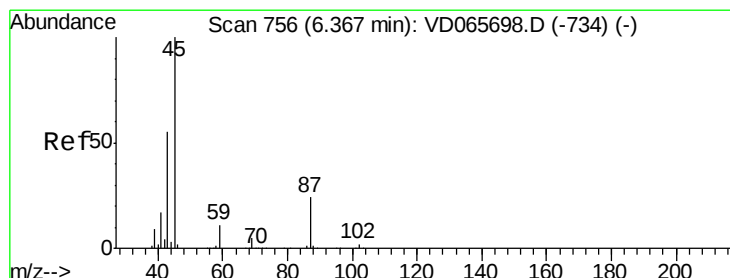
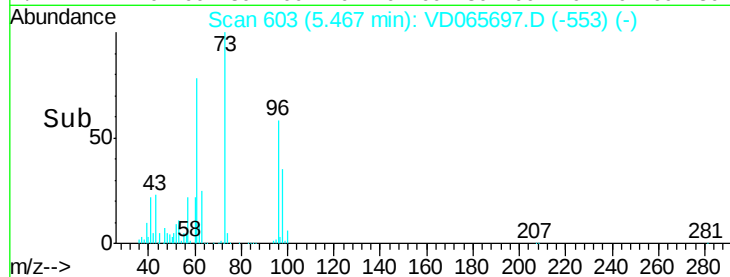
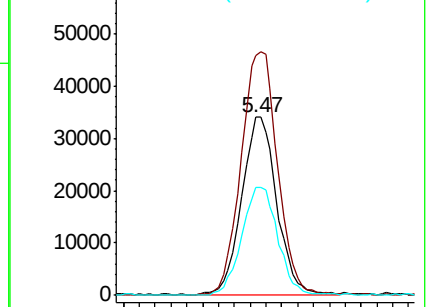
98 60.5 49.5 74.3



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: 25.448 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Tgt Ion: 45 Resp: 341495

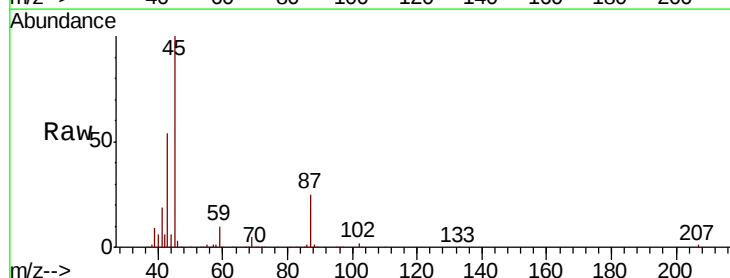
Ion Ratio Lower Upper

45 100

43 52.4 44.2 66.4

87 25.2 19.0 28.4

59 9.9 8.6 13.0

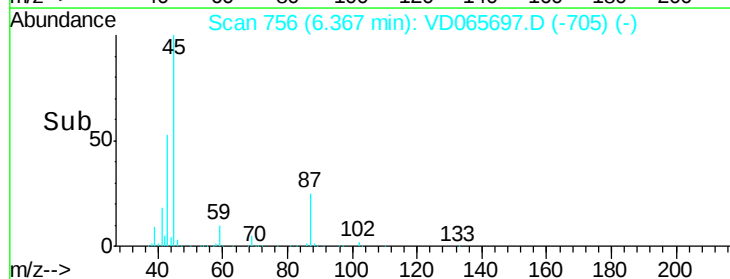
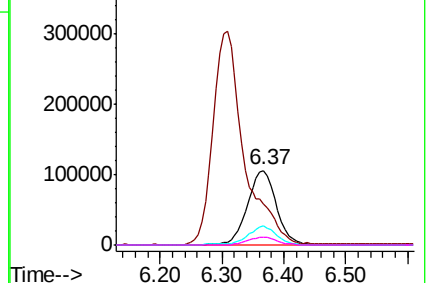


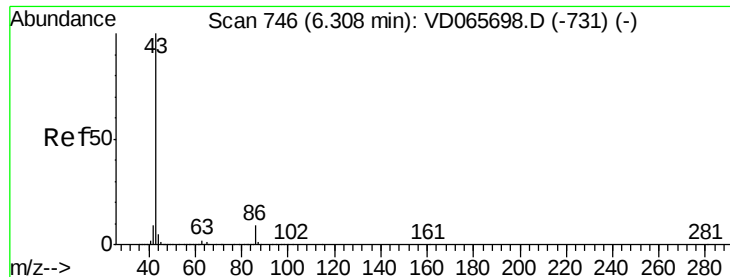
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 143.576 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

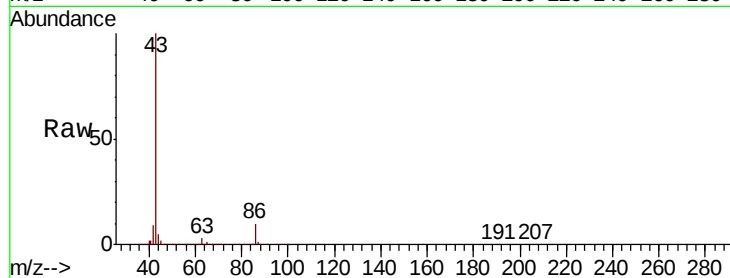
Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1053207

Ion	Ratio	Lower	Upper
43	100		
86	9.8	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

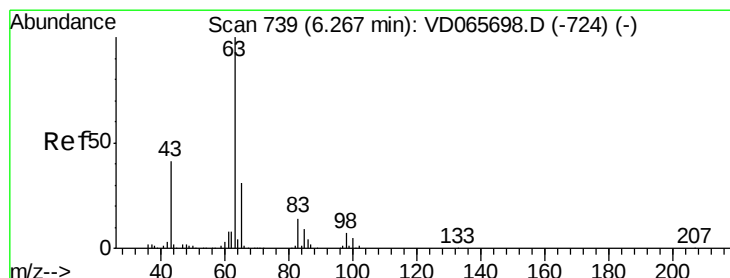
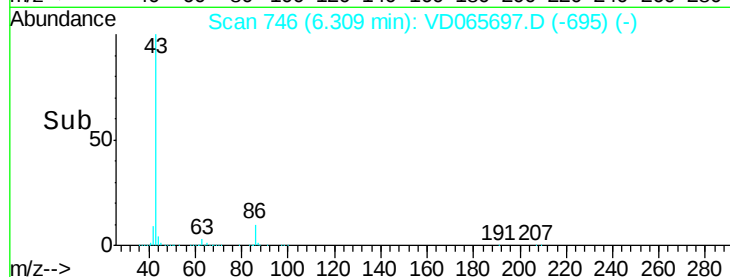
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 21.411 ug/l

RT: 6.27 min Scan# 740

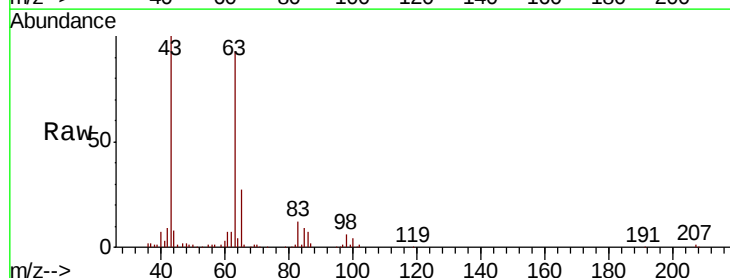
Delta R.T. 0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Tgt Ion: 63 Resp: 185088

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.7	2.3	6.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

80000

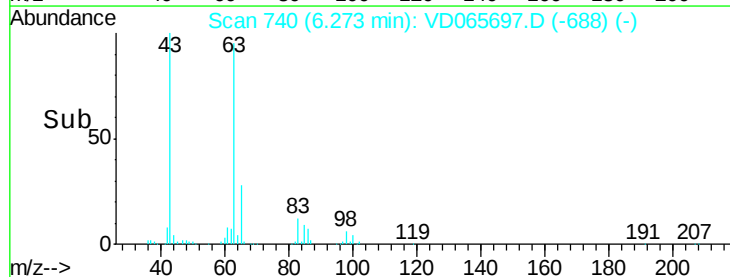
60000

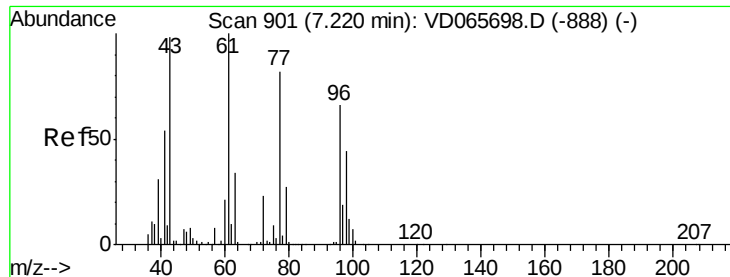
40000

20000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 131.820 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

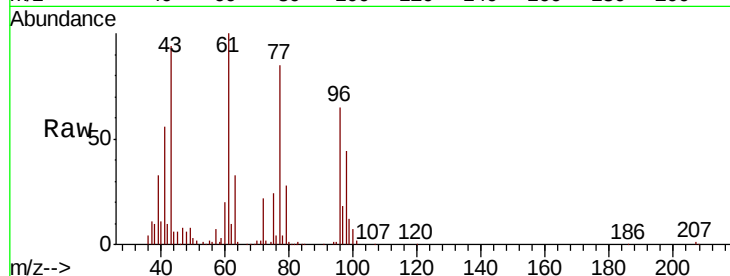
ClientSampleId :

Tot Ion: 43 Resp: 156408

Ion Ratio Lower Upper

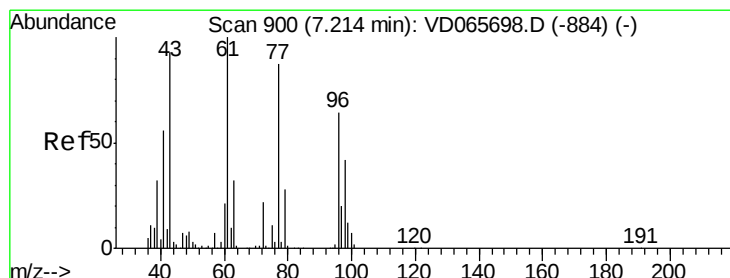
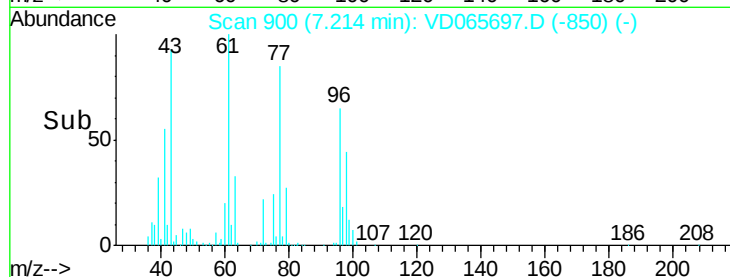
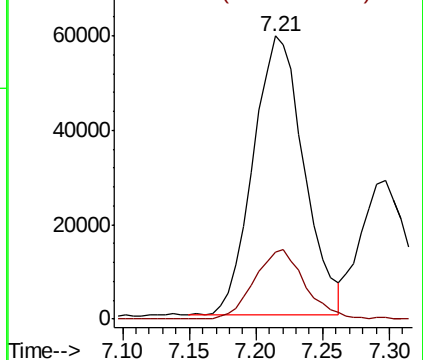
43 100

72 24.2 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: 21.726 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065697.D

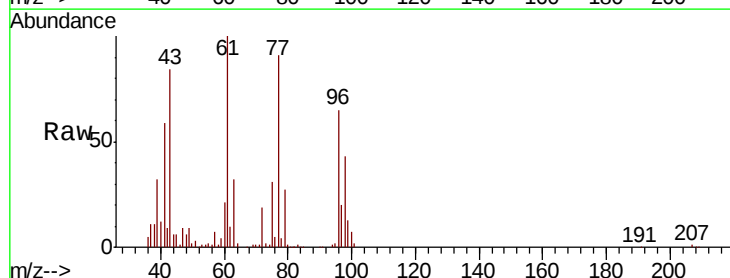
Acq: 06 May 2020 15:11

Tgt Ion: 77 Resp: 168353

Ion Ratio Lower Upper

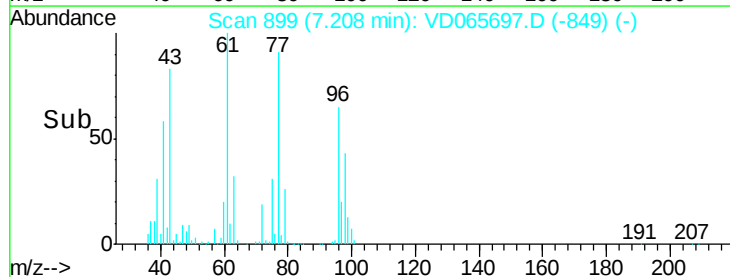
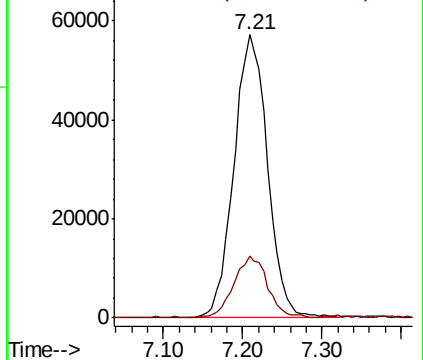
77 100

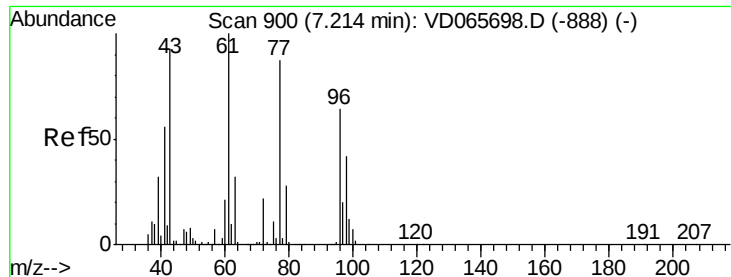
97 22.3 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



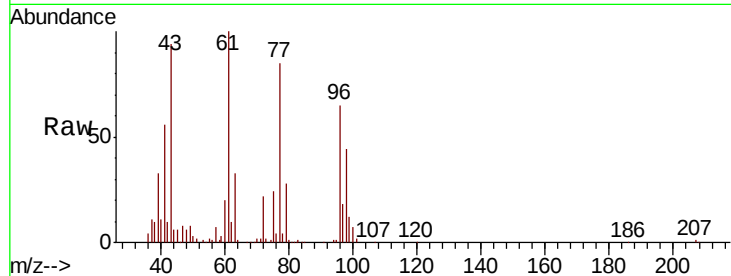


#27

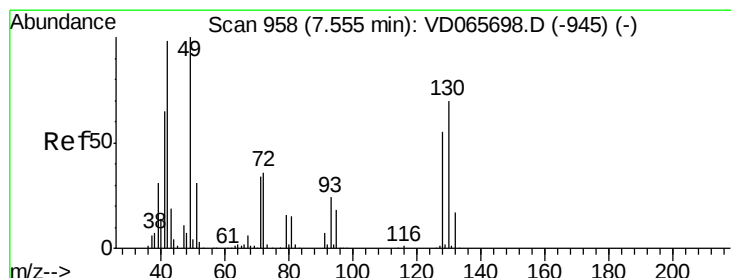
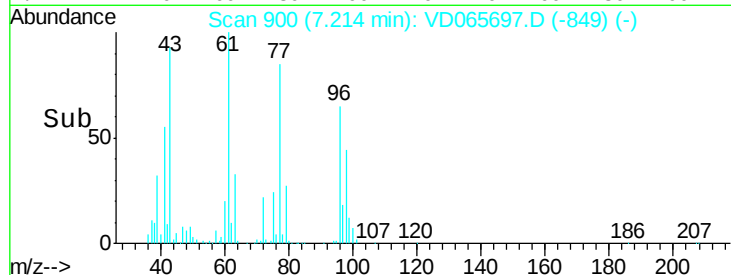
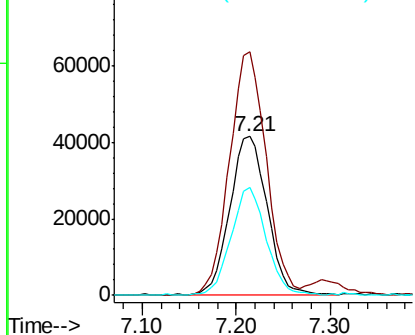
cis-1,2-Dichloroethene
Concen: 21.507 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 113084
Ion Ratio Lower Upper
96 100
61 152.5 0.0 306.6
98 64.8 0.0 129.4



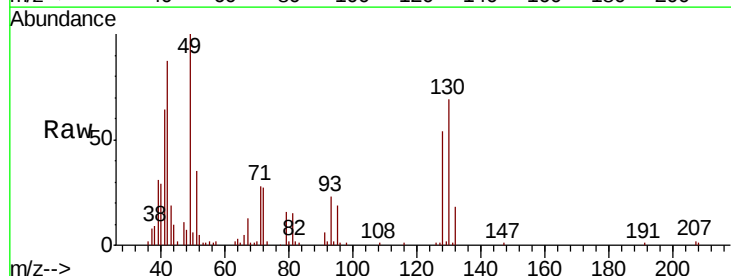
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



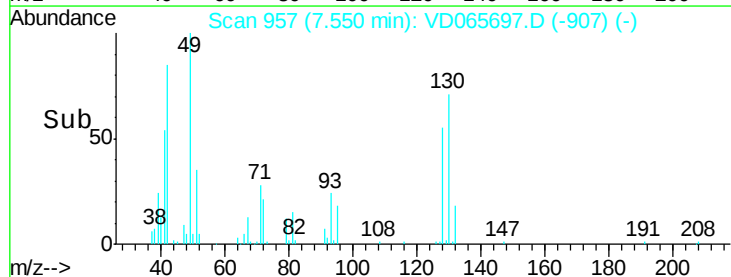
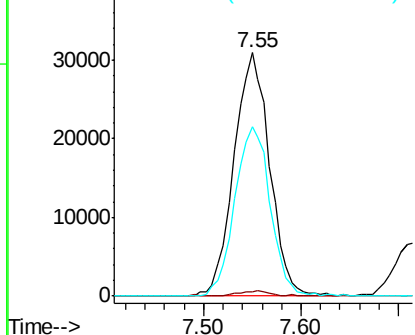
#28

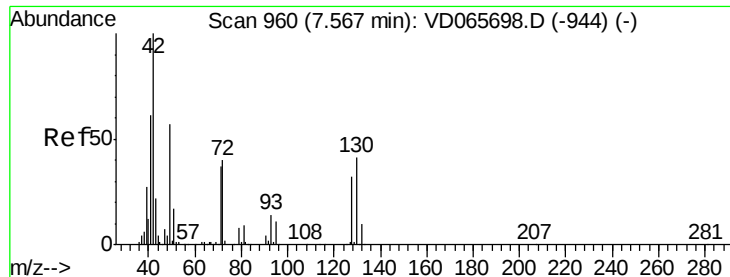
Bromochloromethane
Concen: 22.081 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion: 49 Resp: 78270
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.8
130 69.5 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: 138.947 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

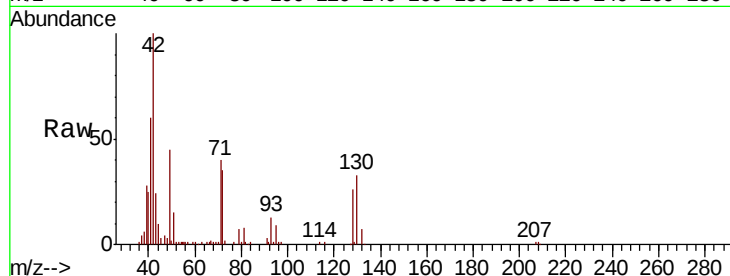
Tot Ion: 42 Resp: 103314

Ion Ratio Lower Upper

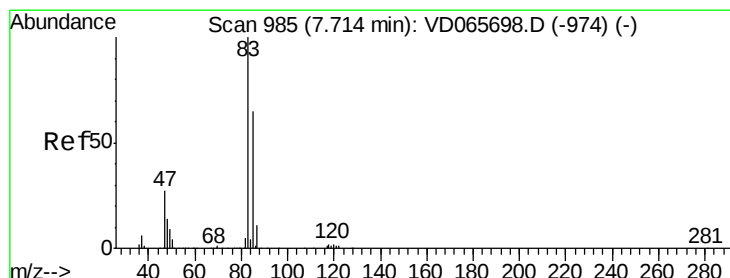
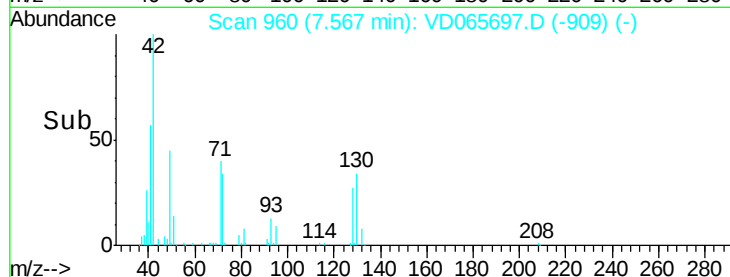
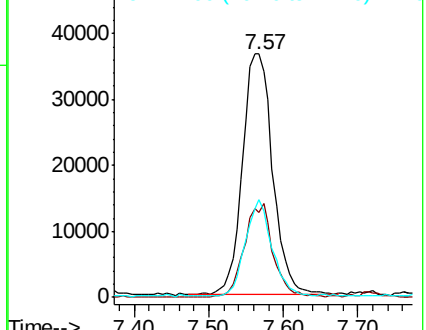
42 100

72 36.7 30.4 45.6

71 35.4 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: 20.440 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065697.D

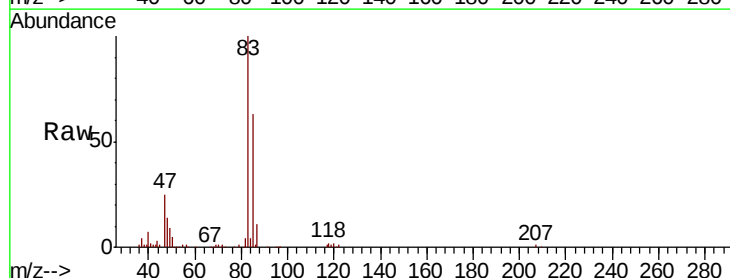
Acq: 06 May 2020 15:11

Tgt Ion: 83 Resp: 182193

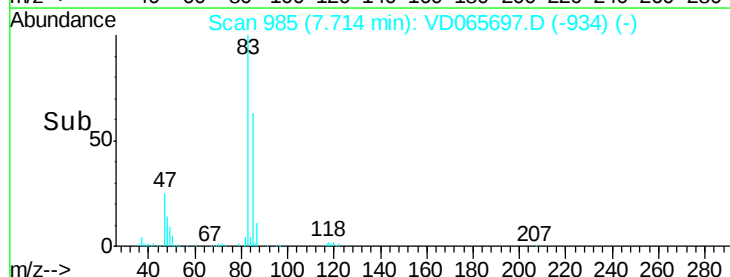
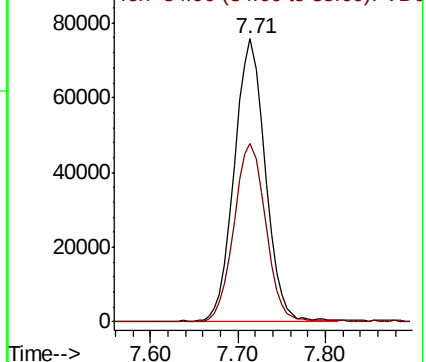
Ion Ratio Lower Upper

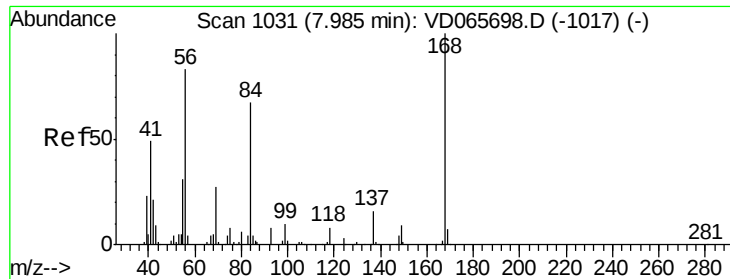
83 100

85 63.2 52.1 78.1



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

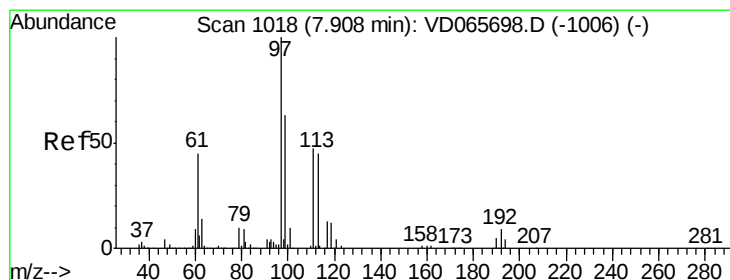
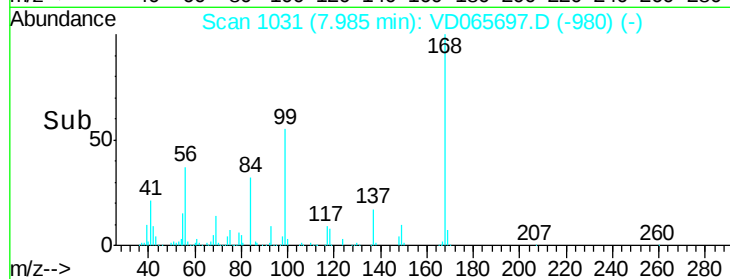
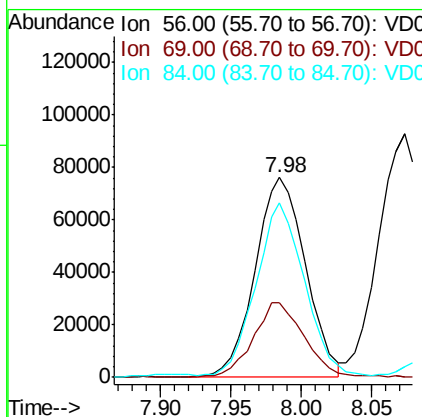
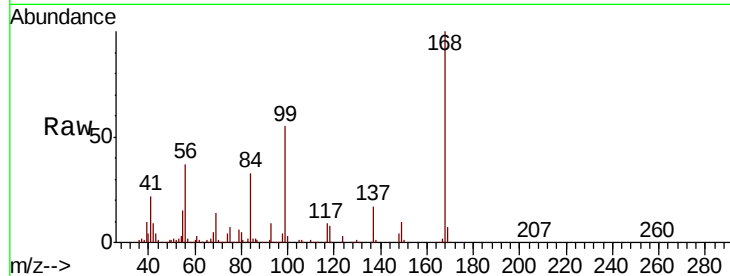




#31
Cyclohexane
Concen: 23.185 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

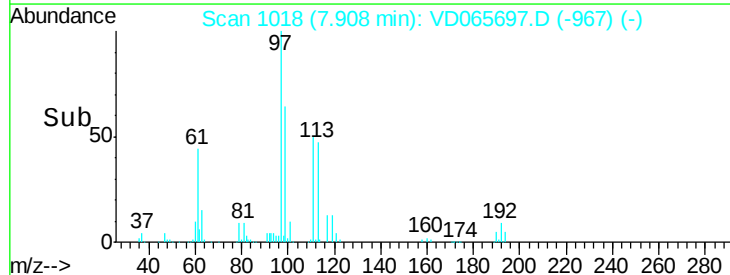
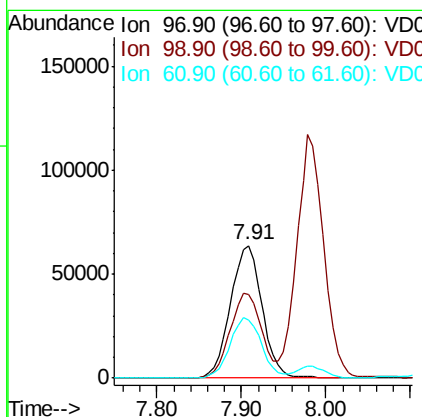
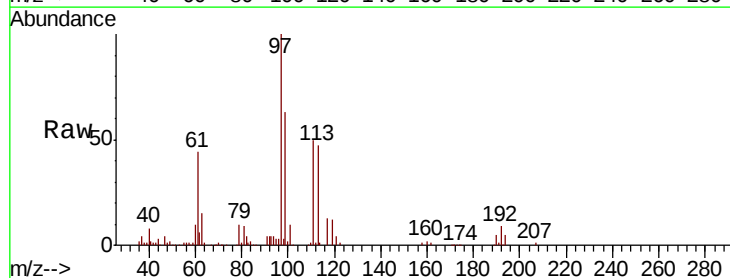
Instrument :
MSVOA_D
ClientSampleID :

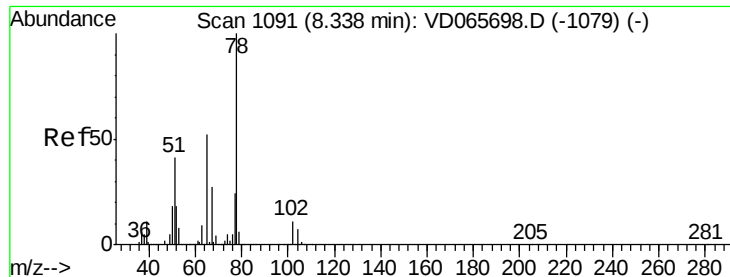
Tot Ion	56	Resp	188900
Ion Ratio	Lower	Upper	
56	100		
69	37.2	26.3	39.5
84	85.9	64.5	96.7



#32
1,1,1-Trichloroethane
Concen: 20.407 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	97	Resp	164930
Ion Ratio	Lower	Upper	
97	100		
99	62.9	50.8	76.2
61	45.3	36.0	54.0





#33

1,2-Dichloroethane-d4

Concen: 20.297 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

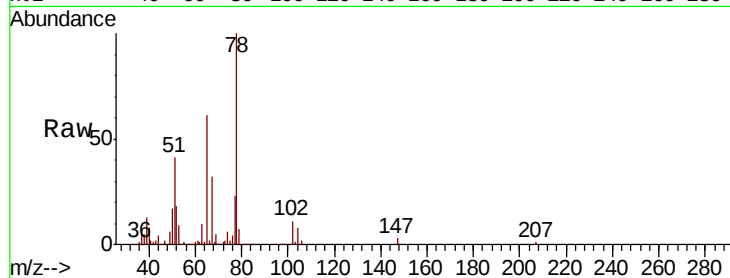
ClientSampleId :

Tot Ion: 65 Resp: 93012

Ion Ratio Lower Upper

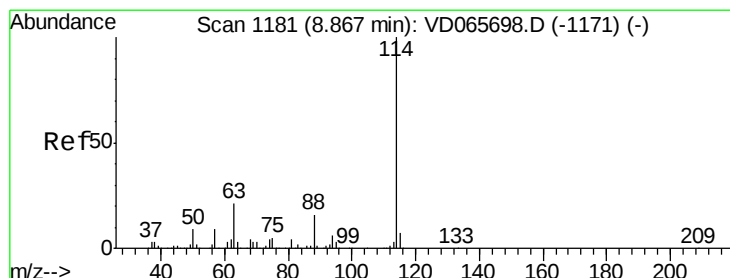
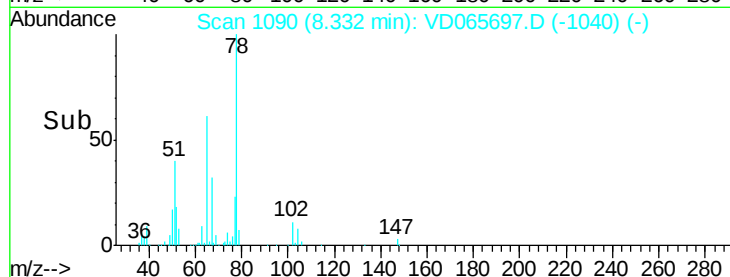
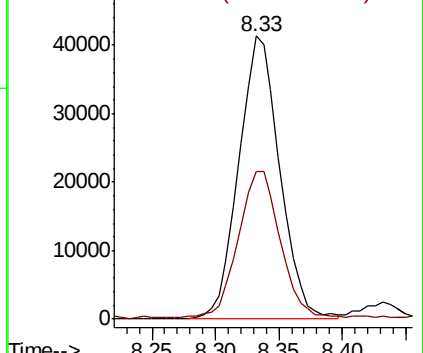
65 100

67 52.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

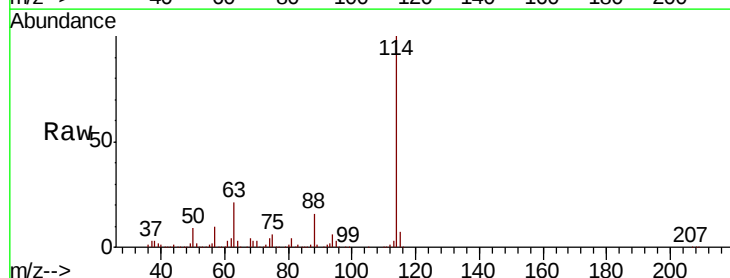
Tgt Ion: 114 Resp: 738670

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.4

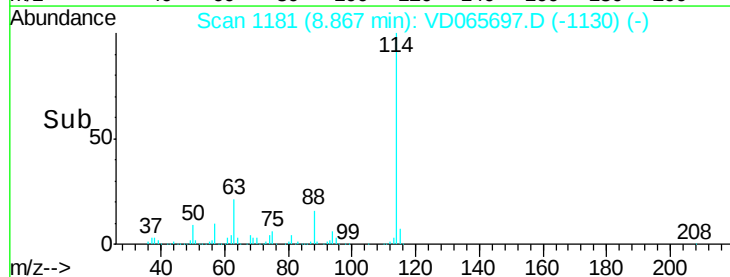
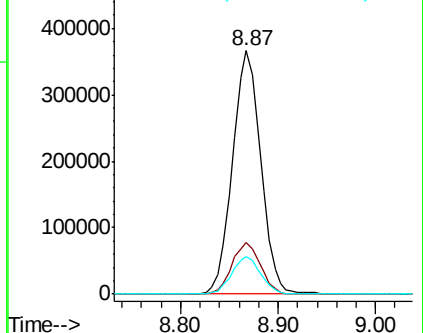
88 15.6 0.0 32.6

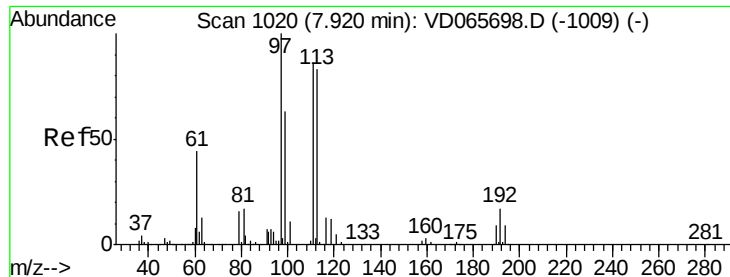


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

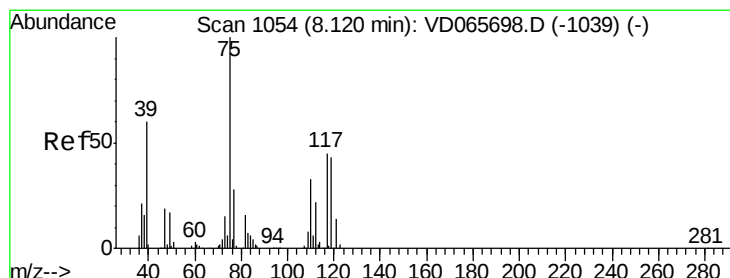
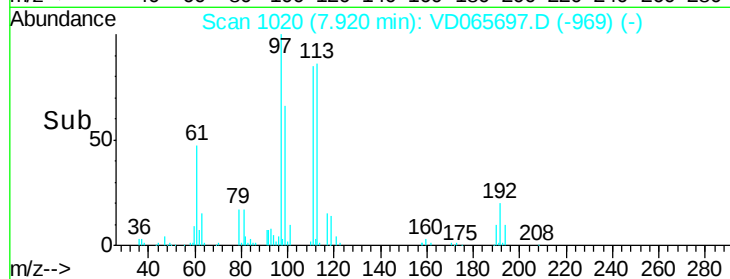
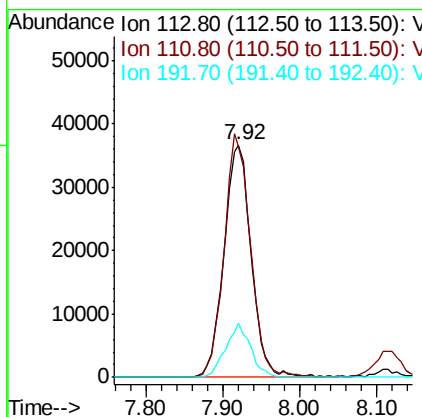
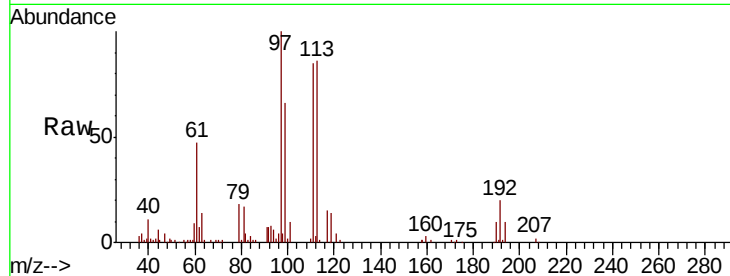




#35
 Dibromofluoromethane
 Concen: 17.797 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

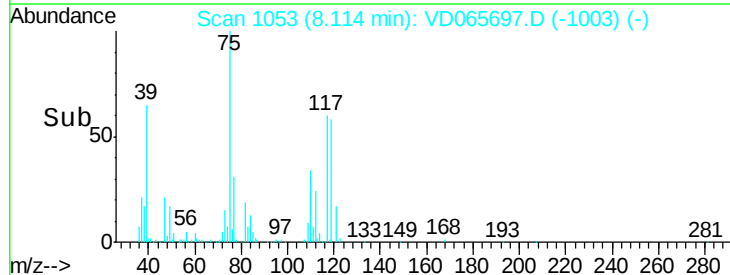
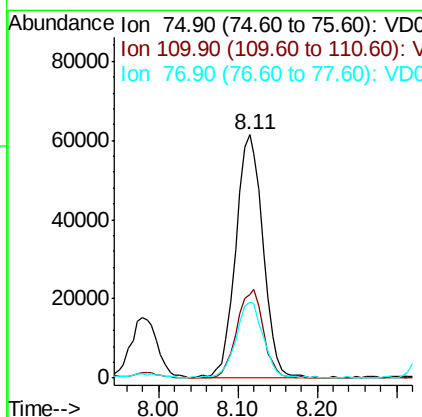
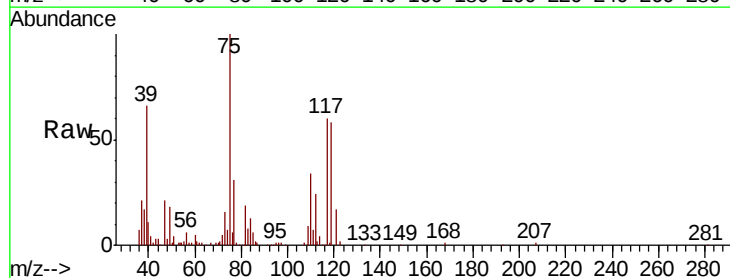
Instrument :
 MSVOA_D
 ClientSampleId :

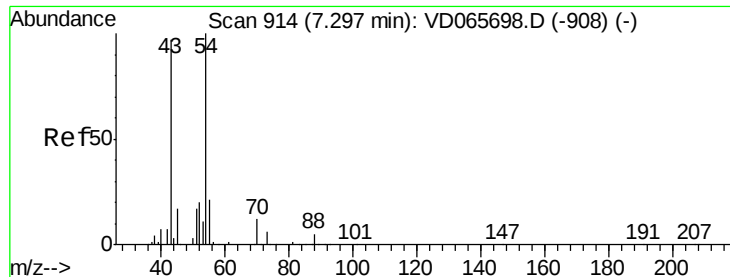
Tot Ion:113 Resp: 90372
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.7 124.1
 192 21.3 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 19.697 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion: 75 Resp: 146948
 Ion Ratio Lower Upper
 75 100
 110 35.4 17.2 51.6
 77 31.7 23.7 35.5

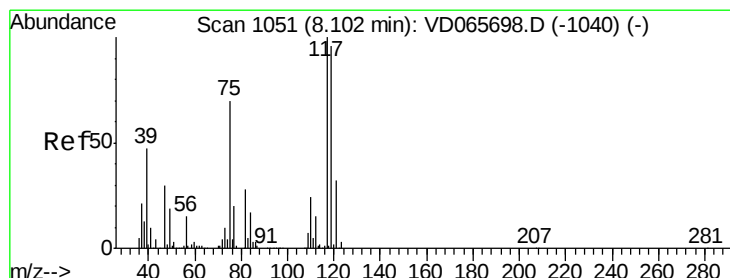
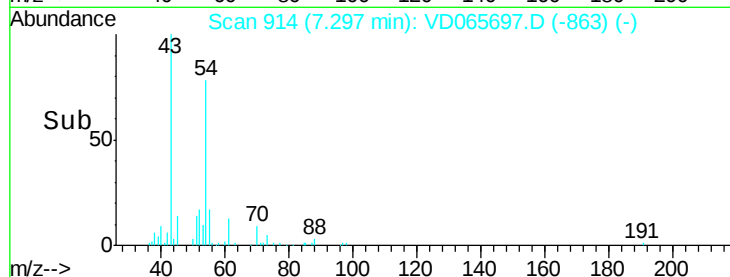
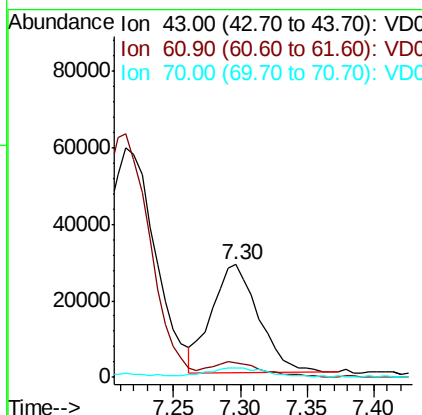
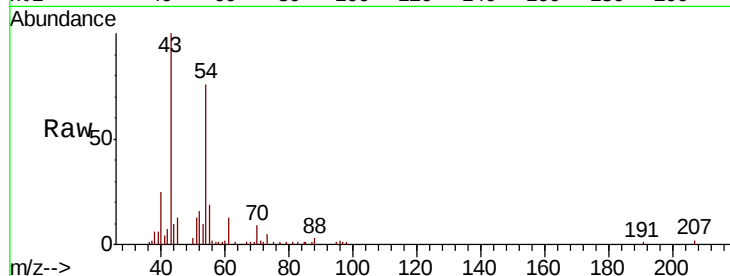




#37
Ethyl Acetate
Concen: 23.584 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

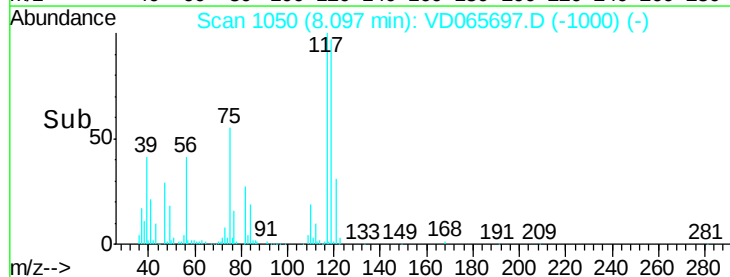
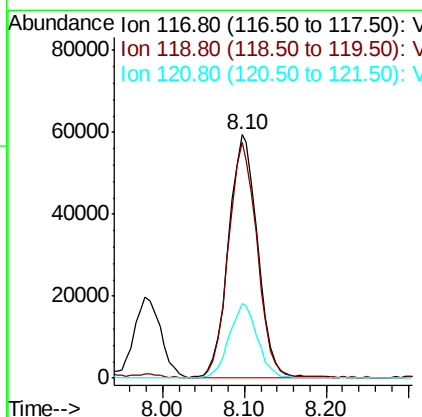
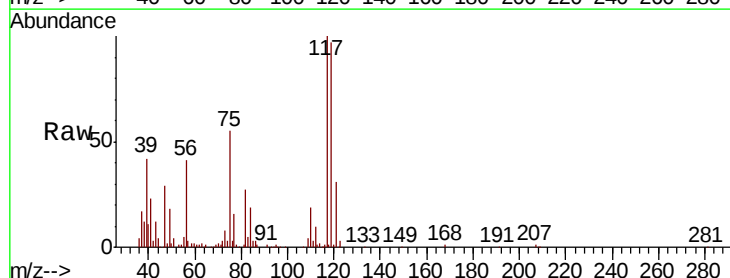
Instrument :
MSVOA_D
ClientSampled :

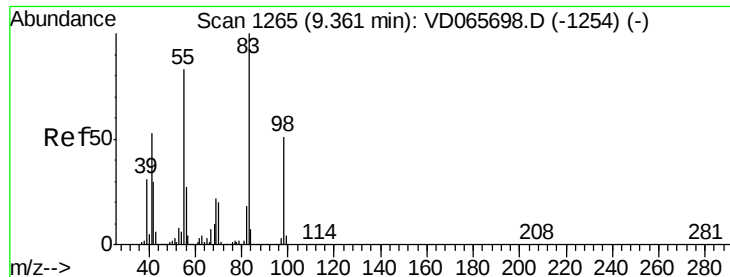
Tot Ion: 43 Resp: 69284
Ion Ratio Lower Upper
43 100
61 14.4 9.9 14.9
70 11.9 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 18.335 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion: 117 Resp: 146415
Ion Ratio Lower Upper
117 100
119 97.2 77.1 115.7
121 31.0 25.5 38.3

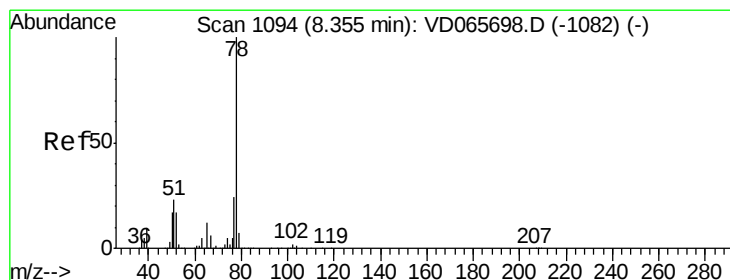
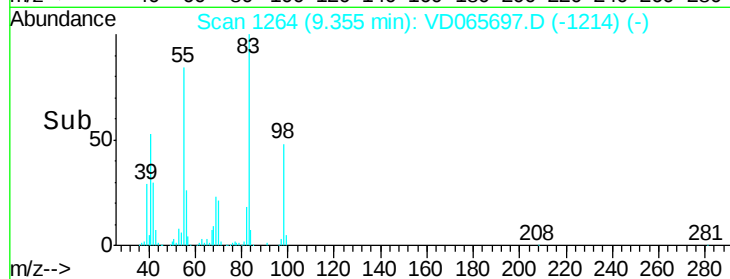
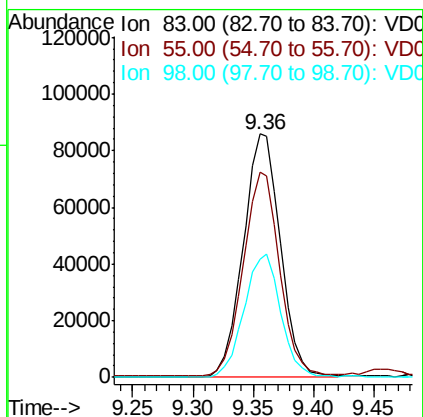
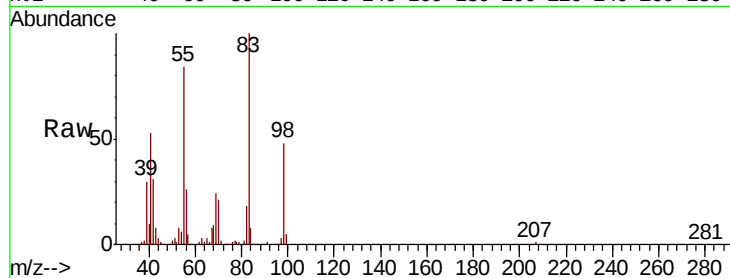




#39
Methvlcvclohexane
Concen: 21.613 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

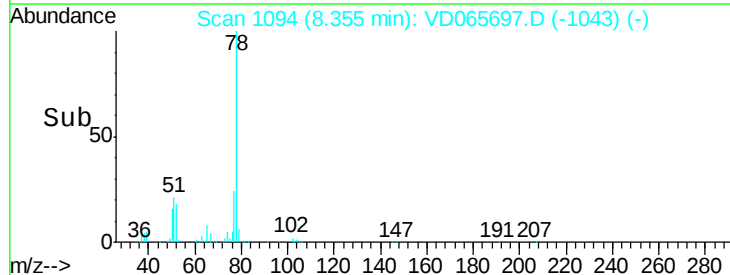
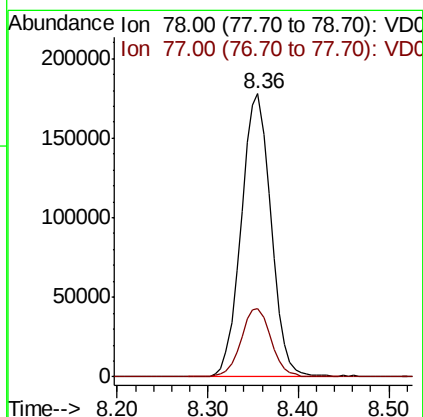
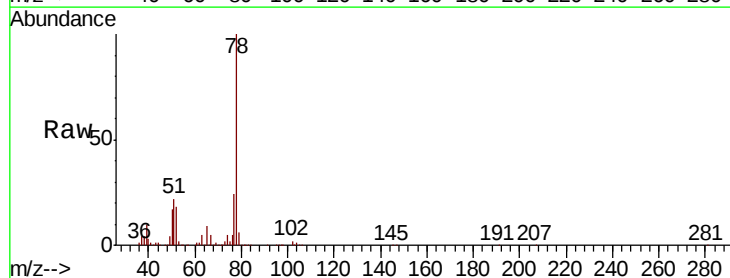
Instrument :
MSVOA_D
ClientSampled :

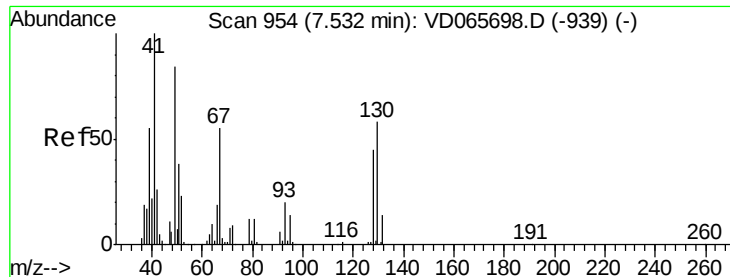
Tot Ion: 83 Resp: 183339
Ion Ratio Lower Upper
83 100
55 84.2 66.0 99.0
98 48.4 41.0 61.4



#40
Benzene
Concen: 19.187 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion: 78 Resp: 405644
Ion Ratio Lower Upper
78 100
77 23.9 19.6 29.4

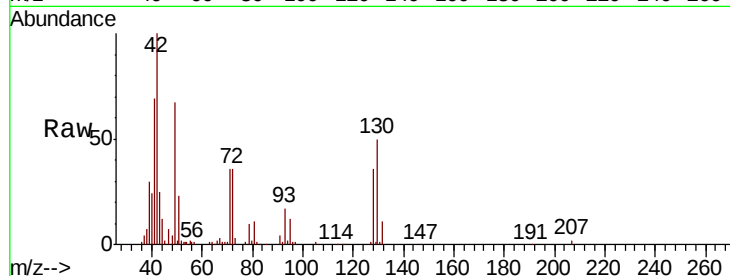




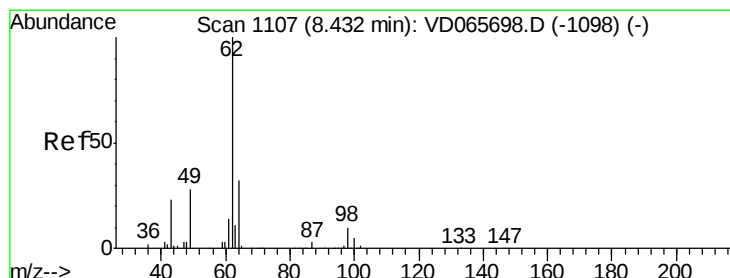
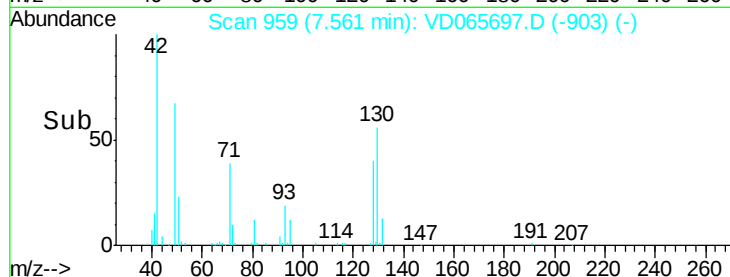
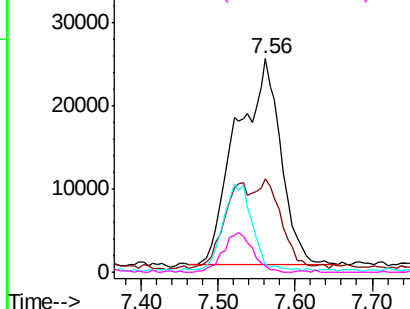
#41
Methacrylonitrile
Concen: 60.965 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.03 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.5	78.7#
67	0.0	59.4	89.0#
52	0.0	25.6	38.4#

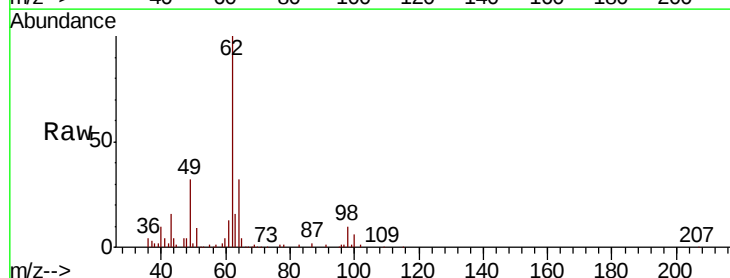


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

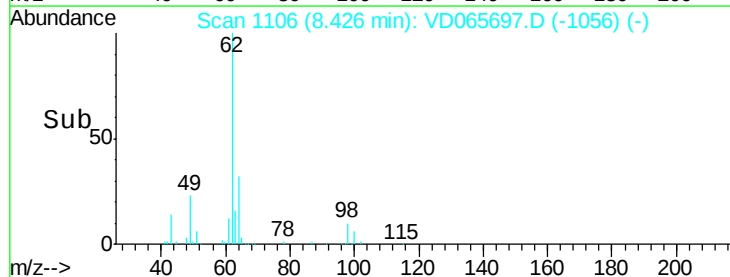
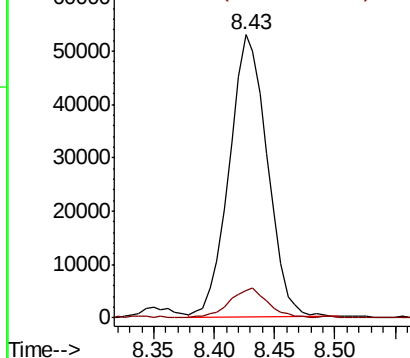


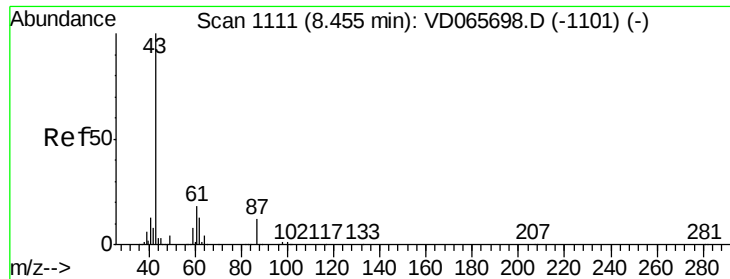
#42
1,2-Dichloroethane
Concen: 19.387 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	19.2



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





#43

Isopropyl Acetate

Concen: 27.179 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

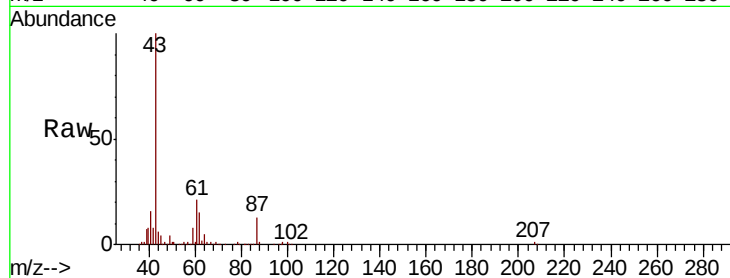
Tot Ion: 43 Resp: 148565

Ion Ratio Lower Upper

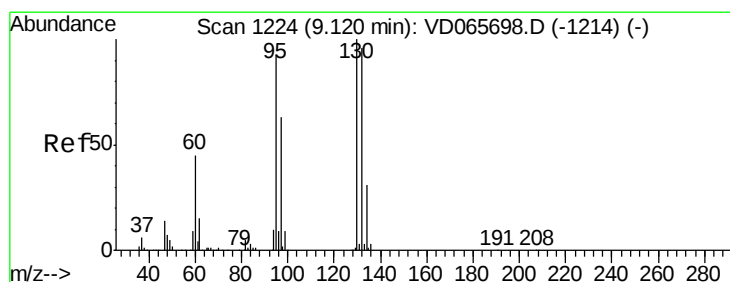
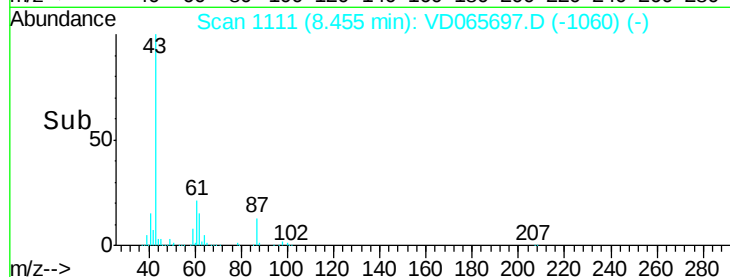
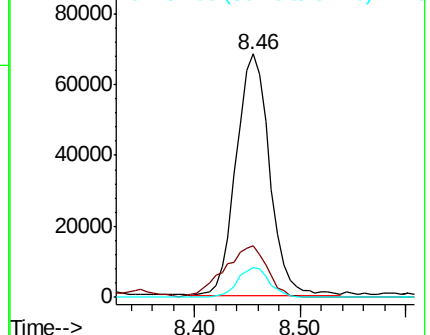
43 100

61 27.7 21.9 32.9

87 12.0 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: 18.437 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD065697.D

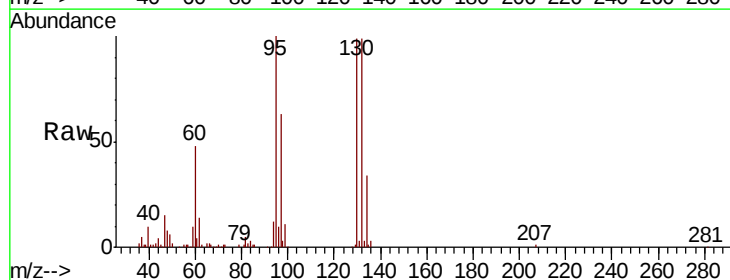
Acq: 06 May 2020 15:11

Tgt Ion:130 Resp: 111479

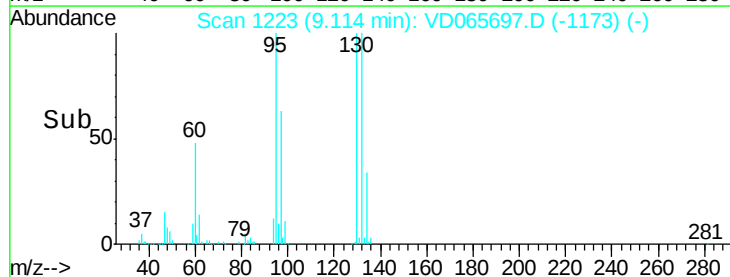
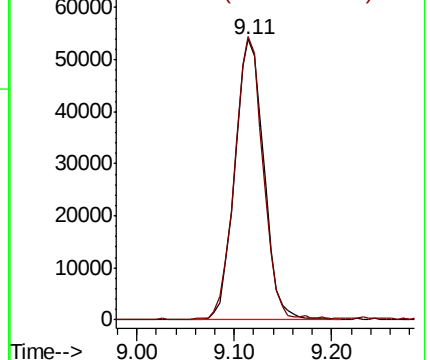
Ion Ratio Lower Upper

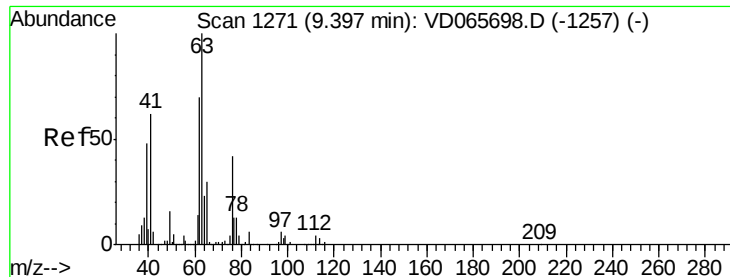
130 100

95 100.8 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: 20.409 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

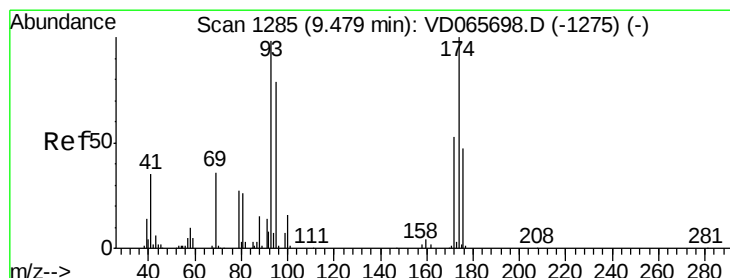
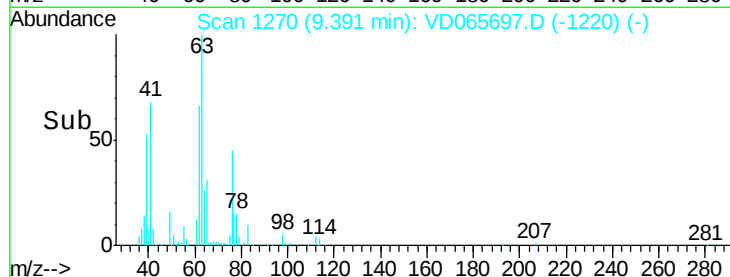
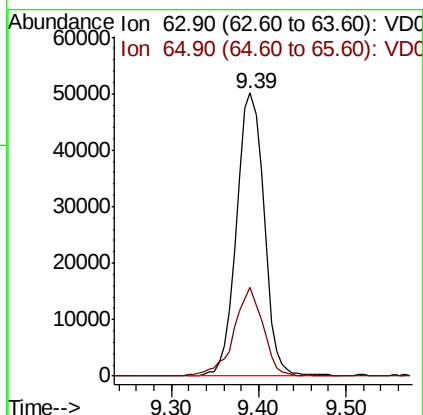
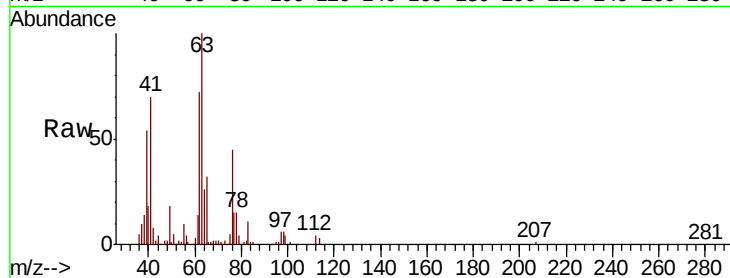
ClientSampled :

Tot Ion: 63 Resp: 106541

Ion Ratio Lower Upper

63 100

65 31.2 24.1 36.1



#46

Dibromomethane

Concen: 18.658 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

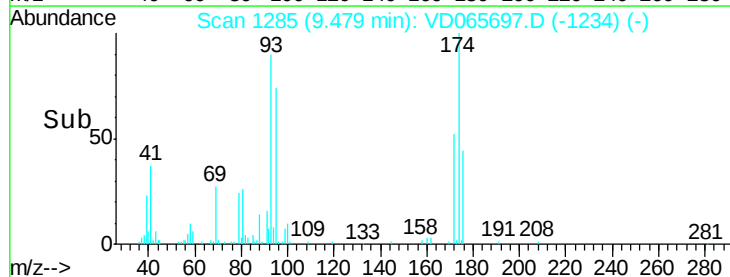
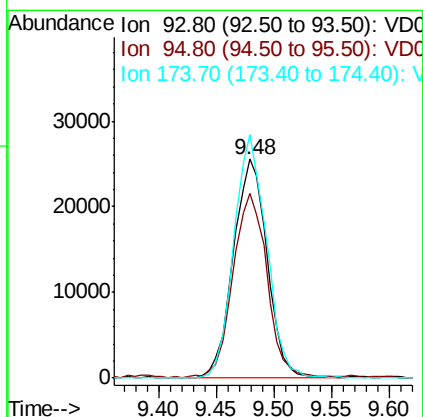
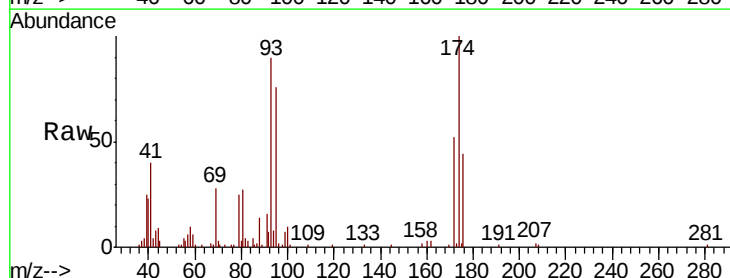
Tgt Ion: 93 Resp: 52026

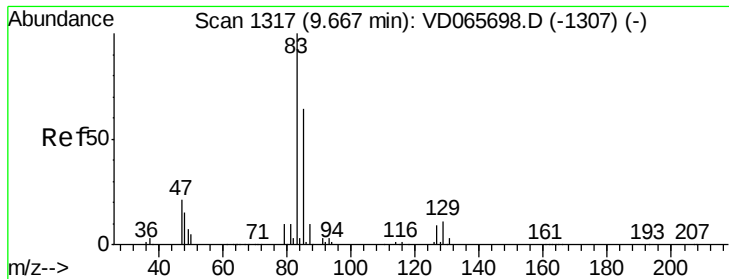
Ion Ratio Lower Upper

93 100

95 85.5 65.3 97.9

174 107.1 82.7 124.1





#47

Bromodichloromethane

Concen: 19.501 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

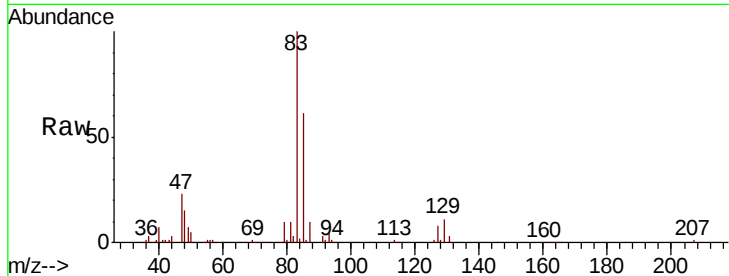
Tot Ion: 83 Resp: 142118

Ion Ratio Lower Upper

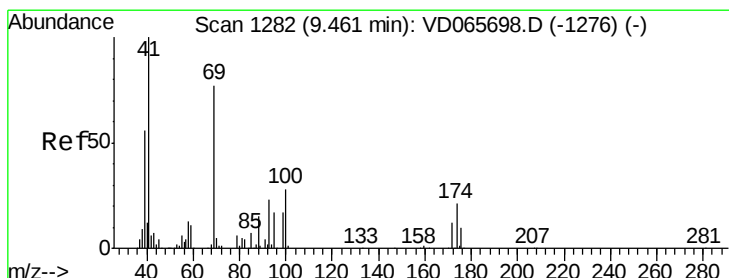
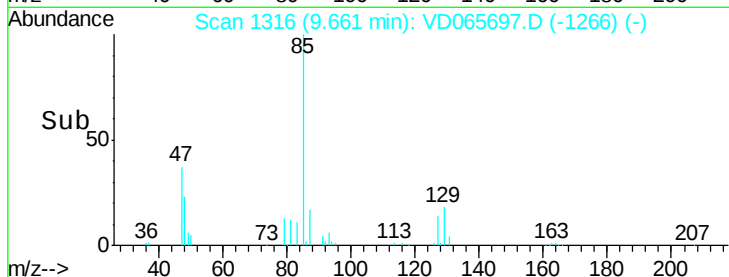
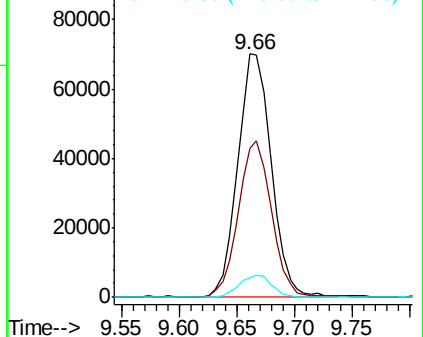
83 100

85 61.0 50.9 76.3

127 8.3 6.9 10.3



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



#48

Methyl methacrylate

Concen: 28.753 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

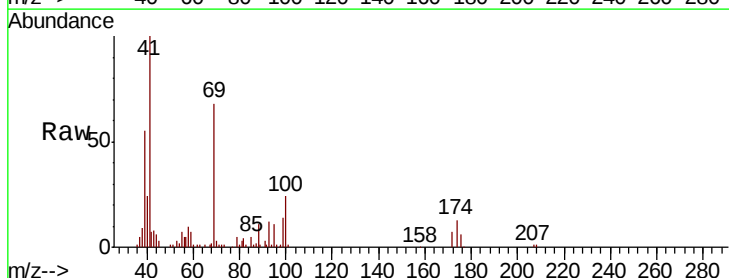
Tgt Ion: 41 Resp: 74276

Ion Ratio Lower Upper

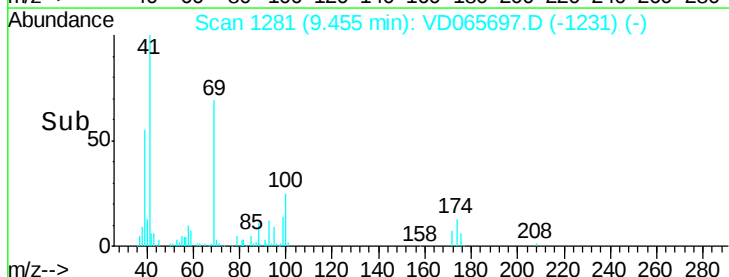
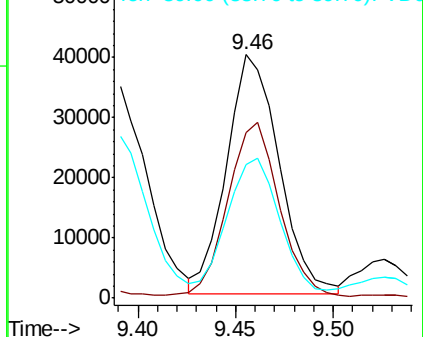
41 100

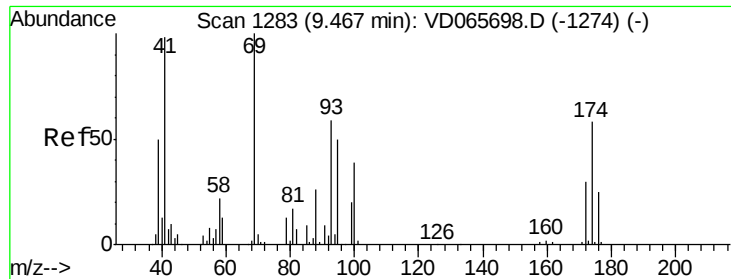
69 70.8 58.2 87.2

39 53.9 43.3 64.9



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

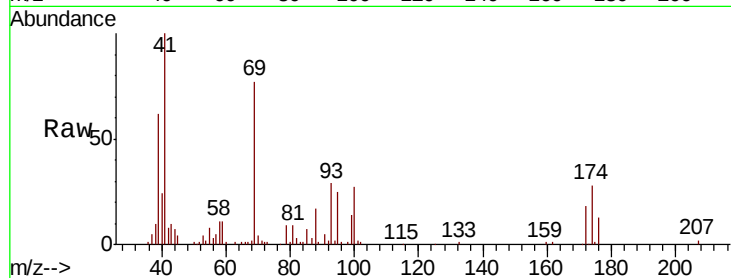




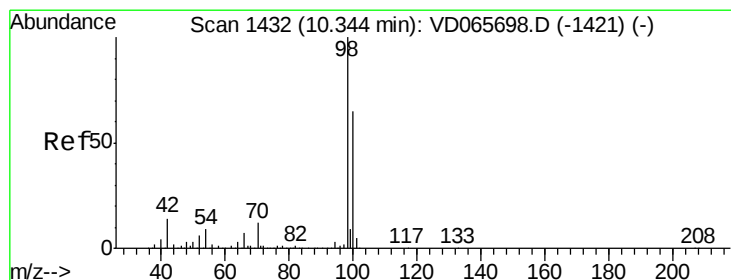
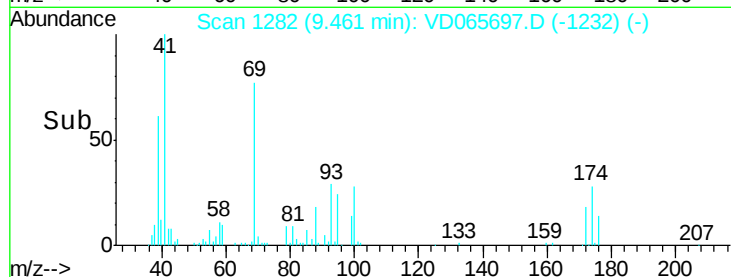
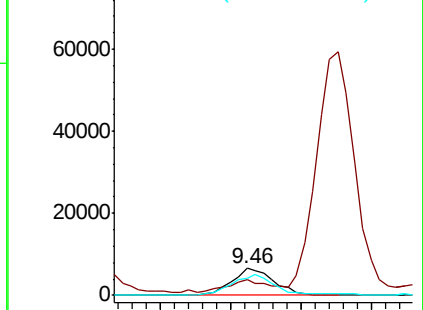
#49
1,4-Dioxane
Concen: 444.275 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 13538
Ion Ratio Lower Upper
88 100
43 39.2 31.6 47.4
58 78.1 60.2 90.4

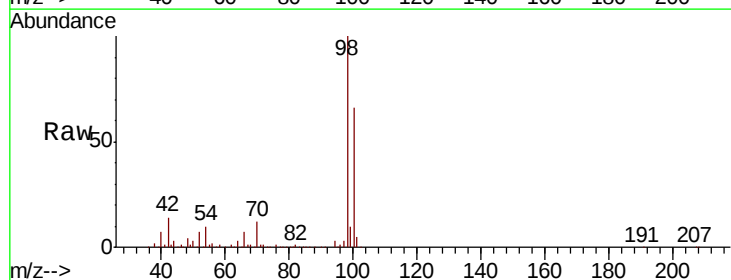


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

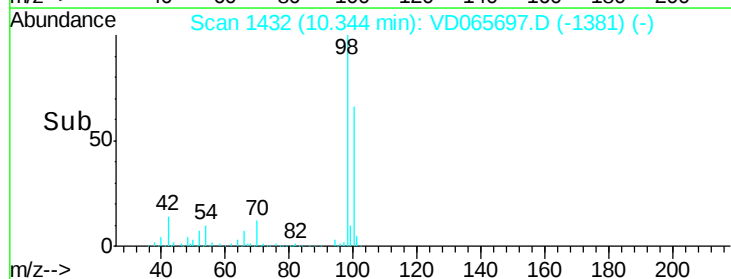
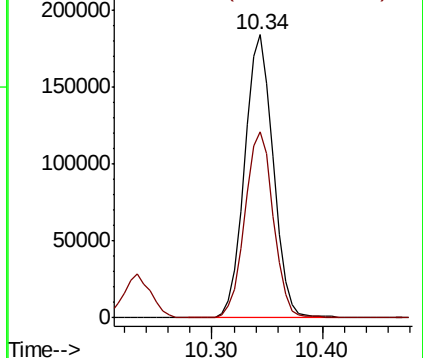


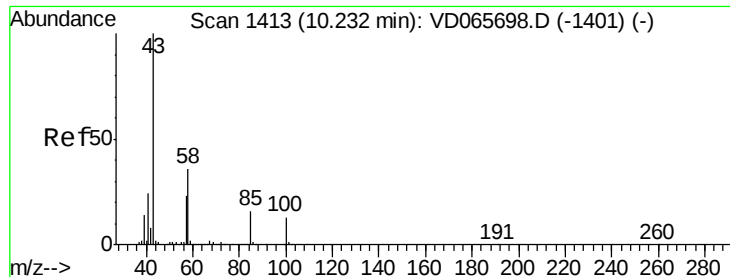
#50
Toluene-d8
Concen: 18.007 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion: 98 Resp: 335150
Ion Ratio Lower Upper
98 100
100 65.3 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: 130.584 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

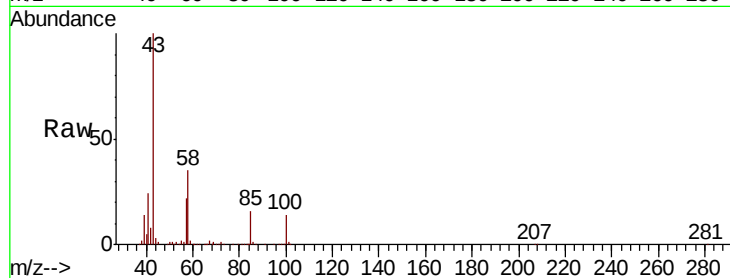
ClientSampleId :

Tot Ion: 43 Resp: 362257

Ion Ratio Lower Upper

43 100

58 35.8 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

200000

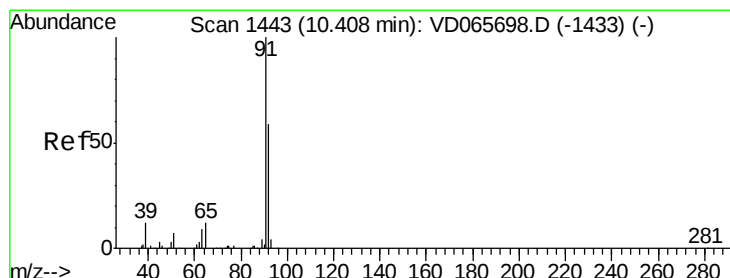
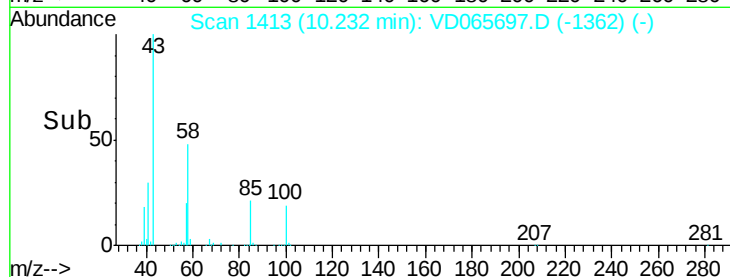
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 19.497 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065697.D

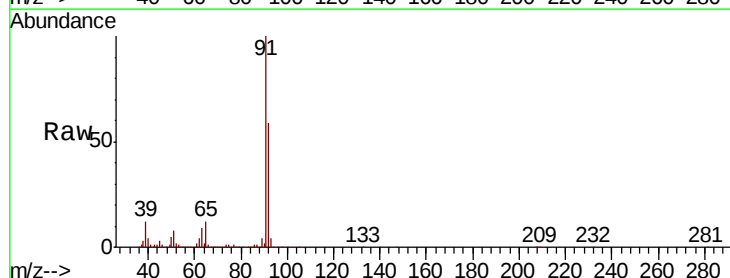
Acq: 06 May 2020 15:11

Tgt Ion: 92 Resp: 259358

Ion Ratio Lower Upper

92 100

91 172.6 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

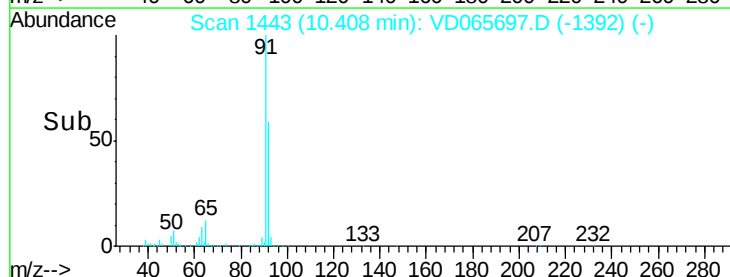
150000

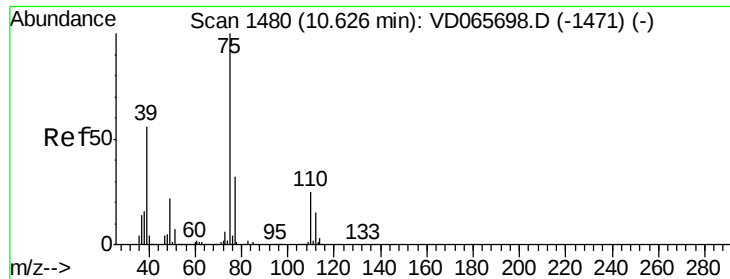
100000

50000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 21.624 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

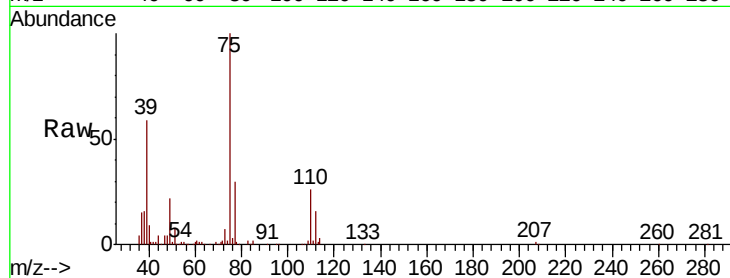
ClientSampled :

Tot Ion: 75 Resp: 142818

Ion Ratio Lower Upper

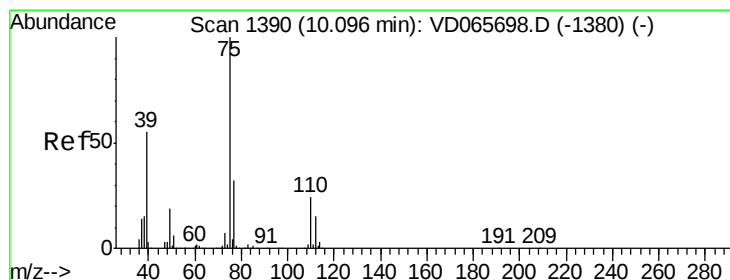
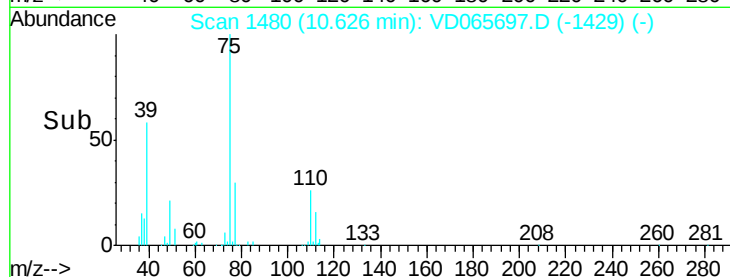
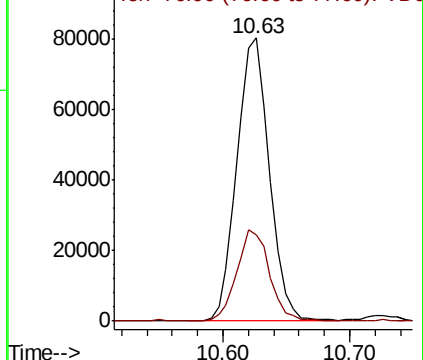
75 100

77 30.1 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.289 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

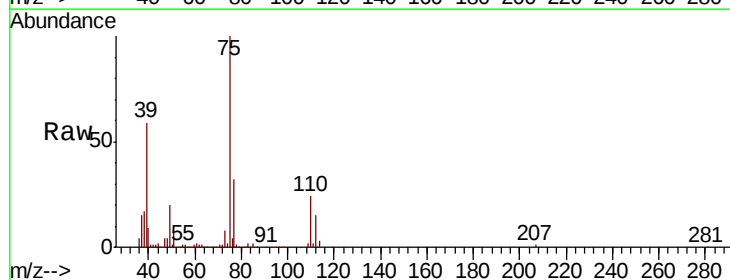
Tgt Ion: 75 Resp: 170736

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8

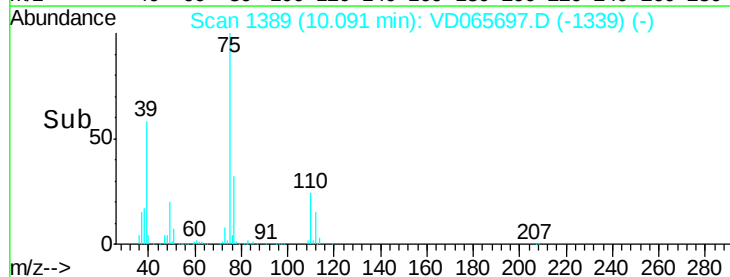
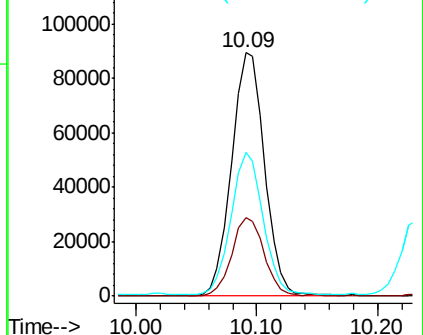
39 58.5 44.4 66.6

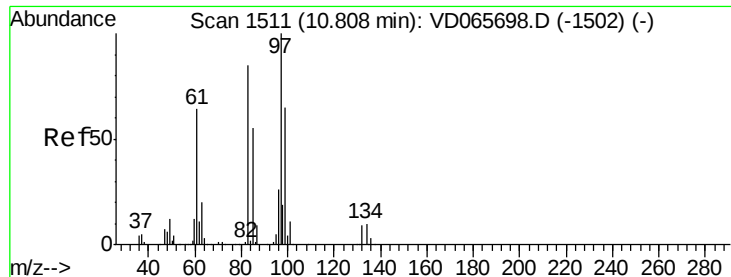


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

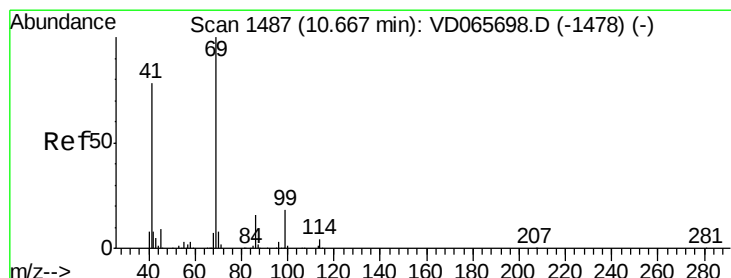
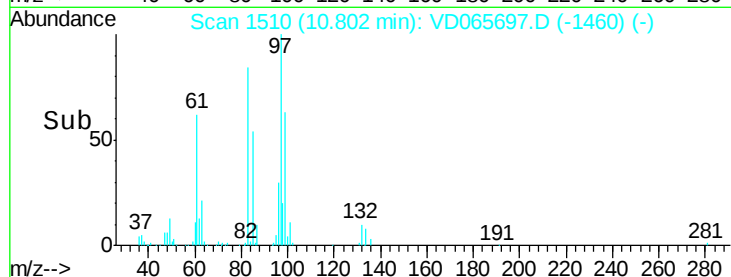
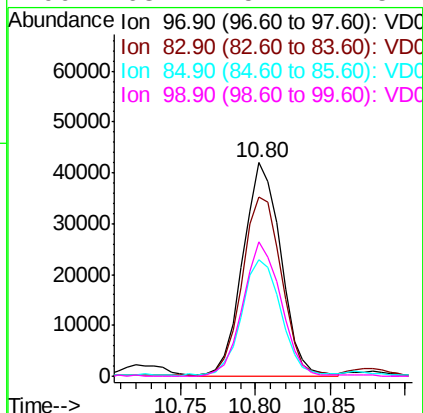
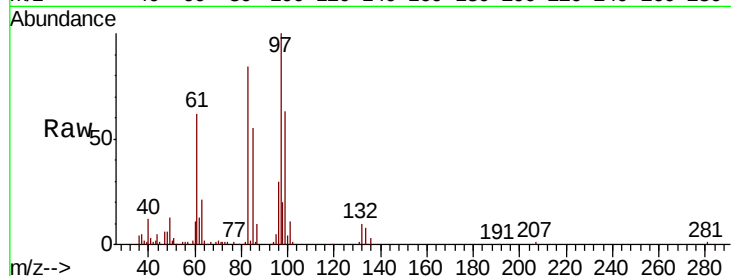




#55
 1,1,2-Trichloroethane
 Concen: 19.123 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

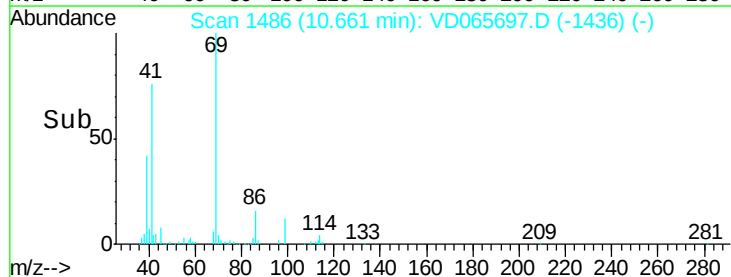
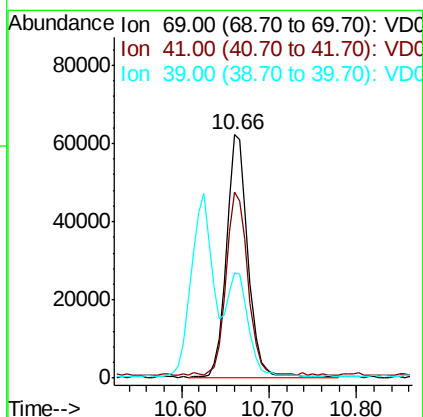
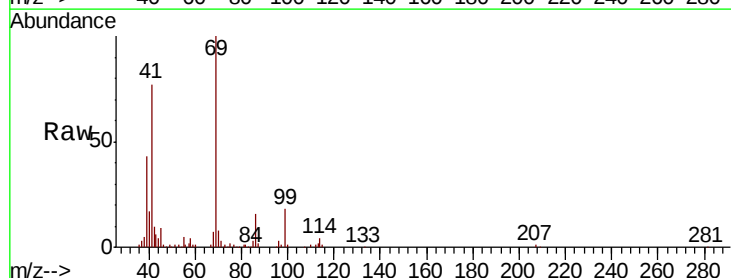
Instrument :
 MSVOA_D
 ClientSampleId :

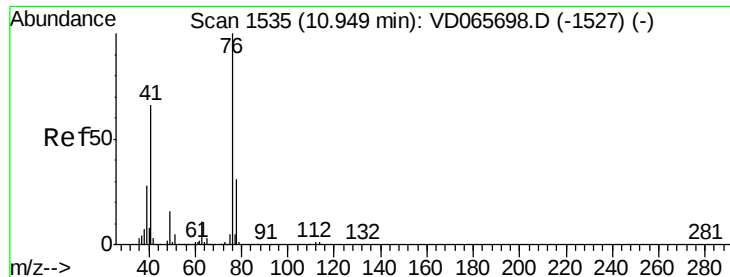
Tot Ion:	97	Resp:	74515
Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.2	102.4
85	54.0	43.6	65.4
99	63.4	52.2	78.4



#56
 Ethyl methacrylate
 Concen: 25.239 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion:	69	Resp:	103933
Ion	Ratio	Lower	Upper
69	100		
41	76.5	61.4	92.0
39	38.5	32.7	49.1





#57

1,3-Dichloropropane

Concen: 20.333 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

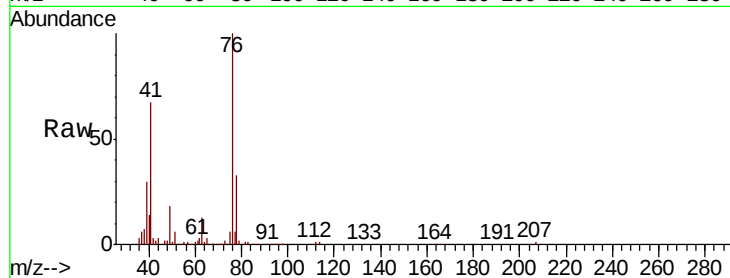
ClientSampleId :

Tot Ion: 76 Resp: 132493

Ion Ratio Lower Upper

76 100

78 33.2 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

80000

60000

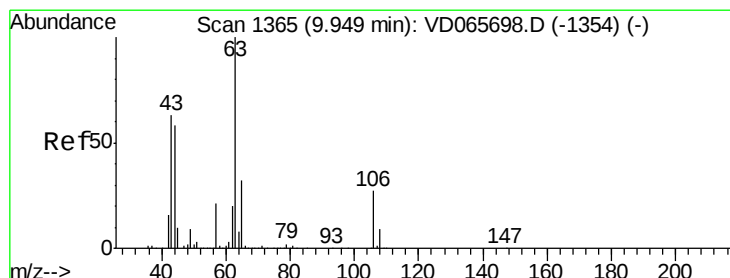
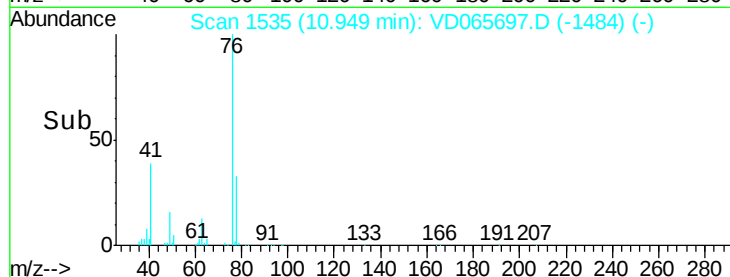
40000

20000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 112.434 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065697.D

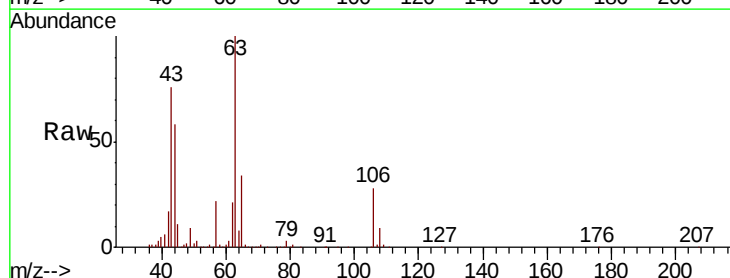
Acq: 06 May 2020 15:11

Tgt Ion: 63 Resp: 238539

Ion Ratio Lower Upper

63 100

106 27.0 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

150000

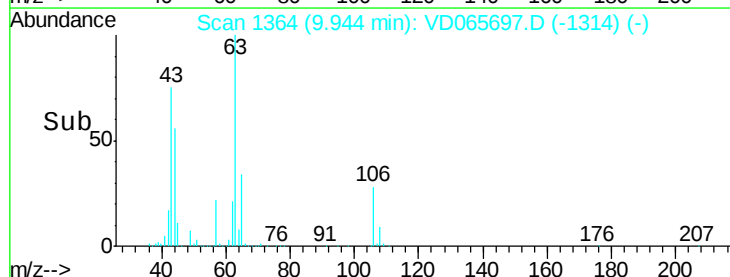
100000

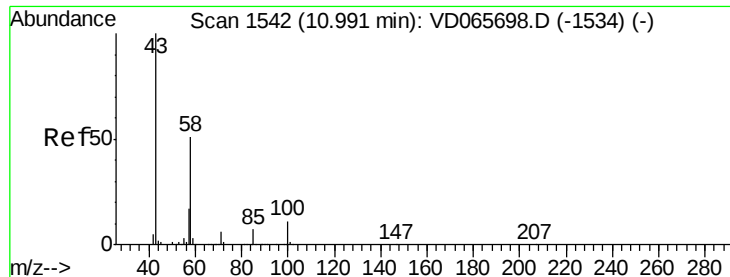
50000

0

Time-->

9.90 10.00

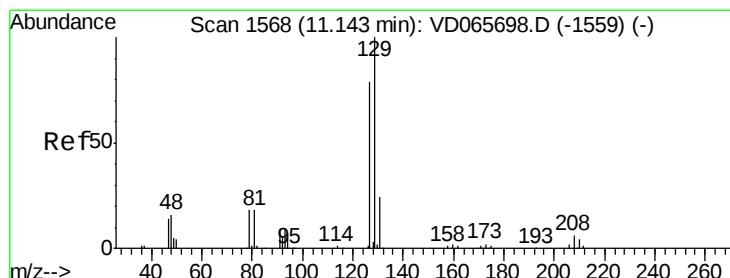
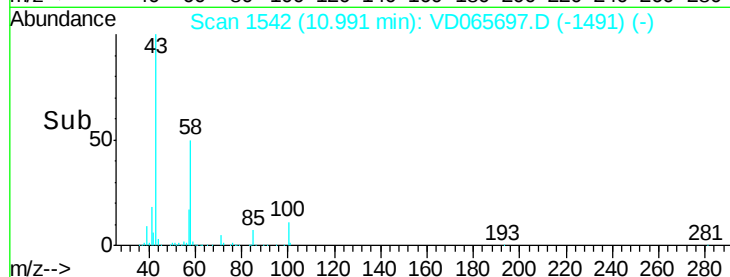
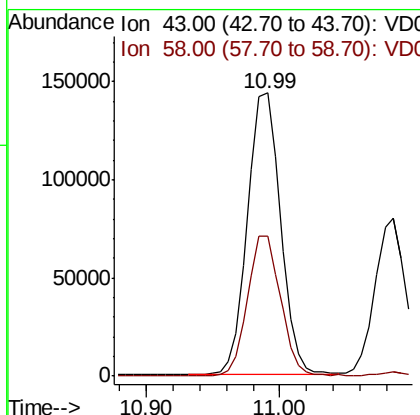
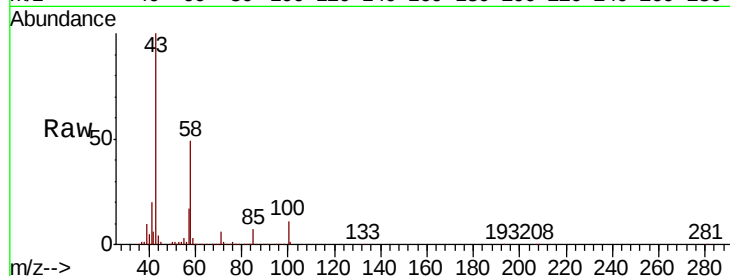




#59
2-Hexanone
Concen: 132.676 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

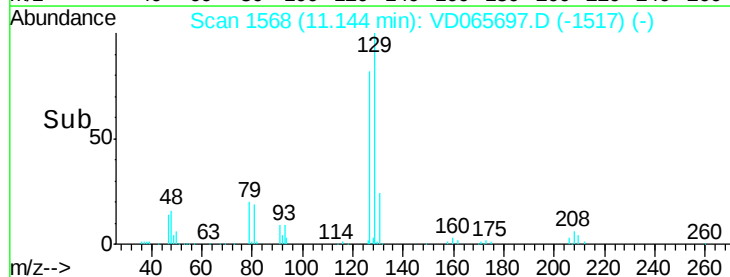
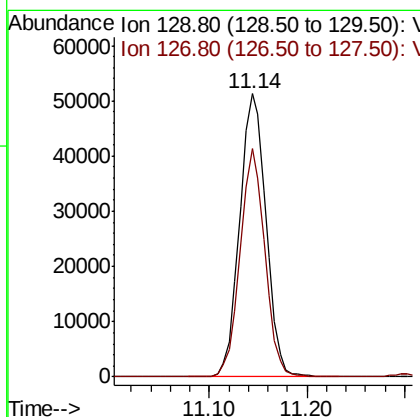
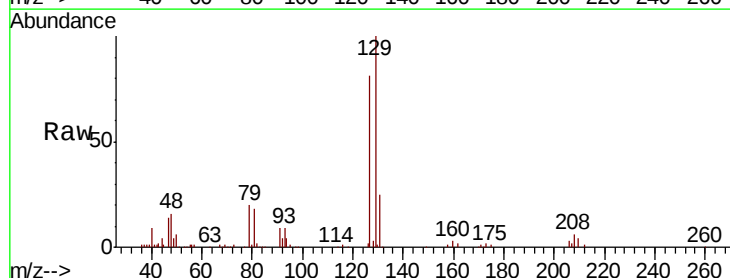
Instrument :
MSVOA_D
ClientSampleId :

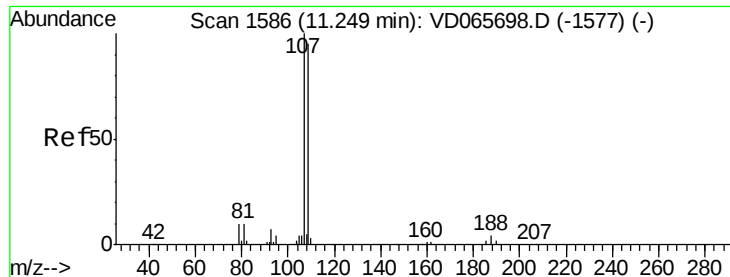
Tot Ion: 43 Resp: 246013
Ion Ratio Lower Upper
43 100
58 50.0 25.4 76.0



#60
Dibromochloromethane
Concen: 18.783 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion: 129 Resp: 96793
Ion Ratio Lower Upper
129 100
127 75.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.645 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

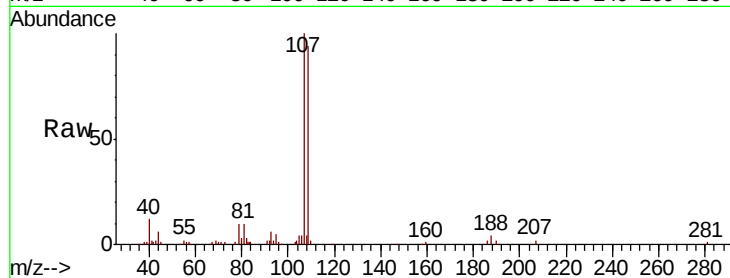
ClientSampleId :

Tot Ion: 107 Resp: 73315

Ion Ratio Lower Upper

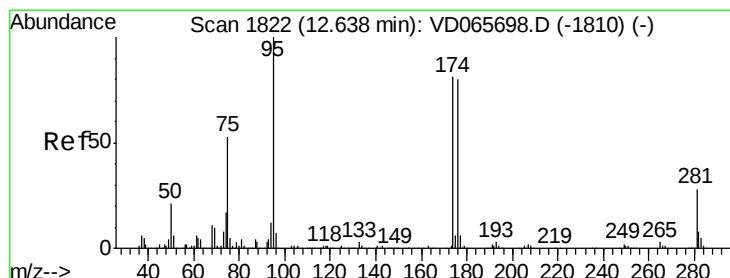
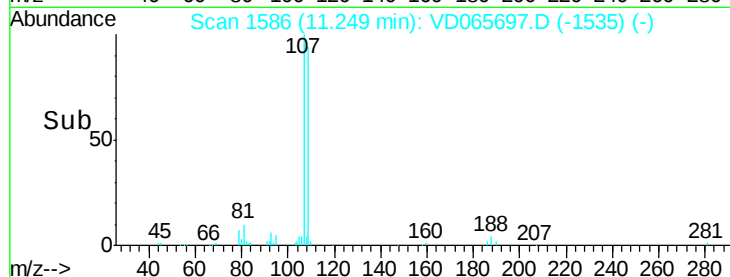
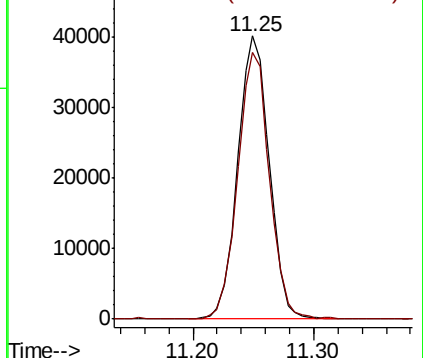
107 100

109 95.0 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.851 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

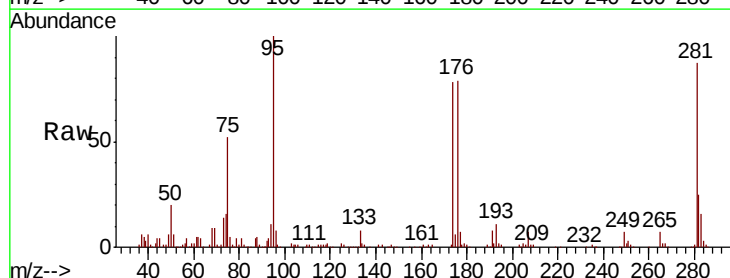
Tgt Ion: 95 Resp: 120693

Ion Ratio Lower Upper

95 100

174 80.8 0.0 162.6

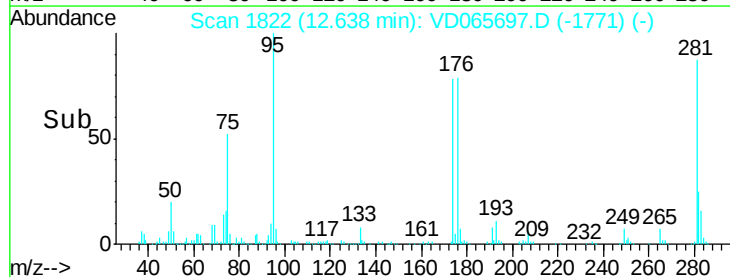
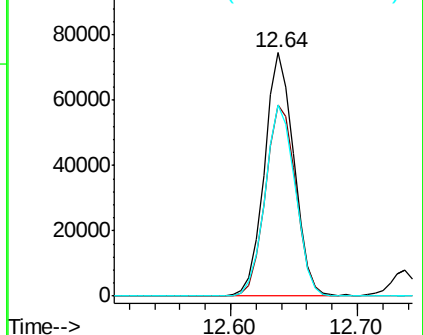
176 80.0 0.0 159.0

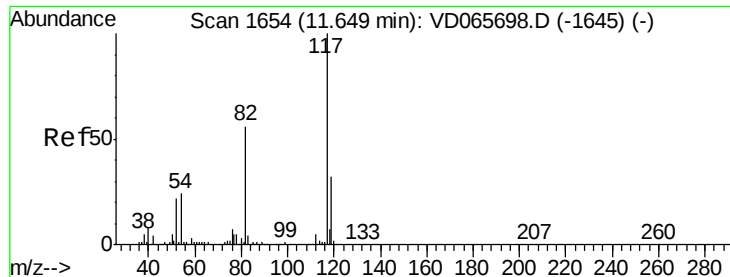


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

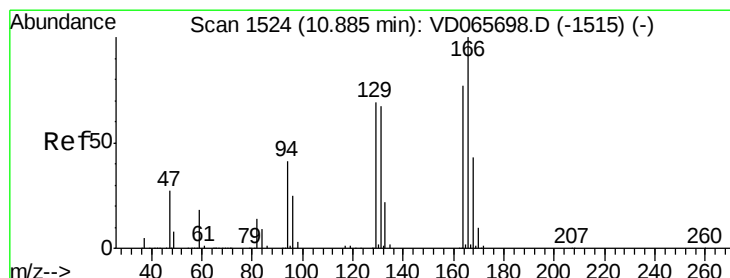
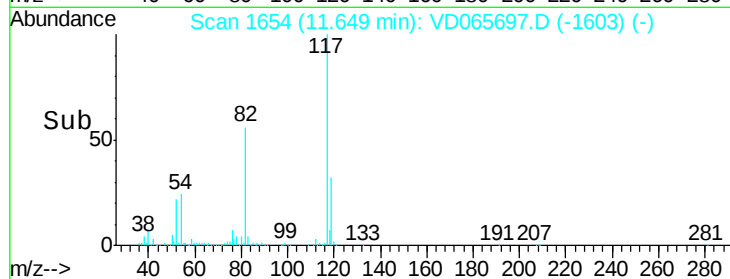
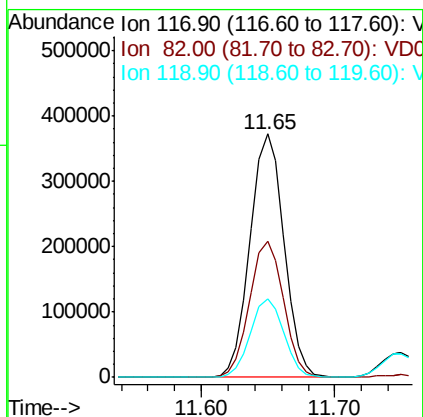
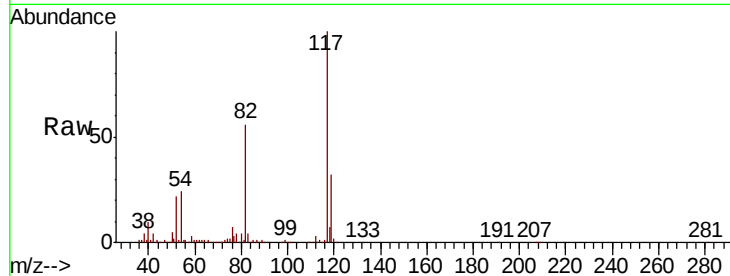




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

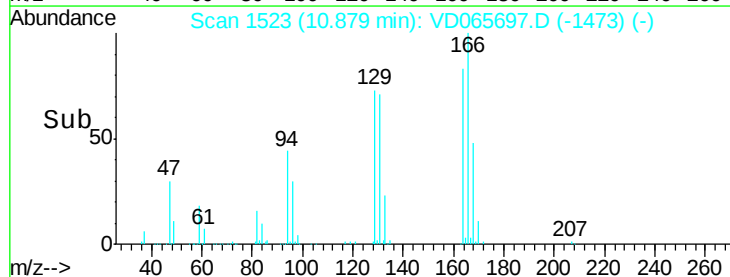
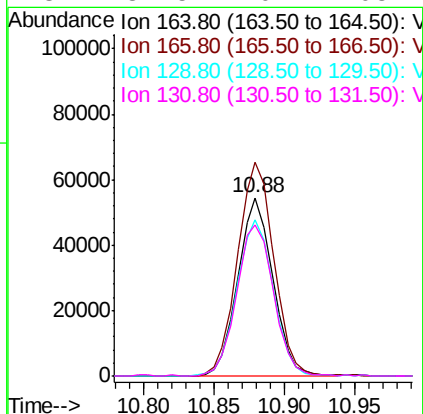
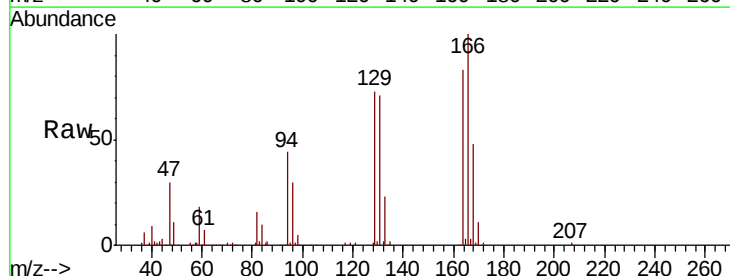
Instrument :
MSVOA_D
ClientSampled :

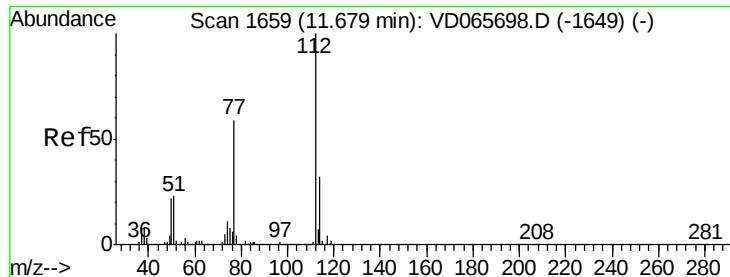
Tot Ion:117 Resp: 656574
Ion Ratio Lower Upper
117 100
82 56.1 44.9 67.3
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 18.724 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion:164 Resp: 94682
Ion Ratio Lower Upper
164 100
166 119.8 104.3 156.5
129 88.0 71.9 107.9
131 84.5 70.2 105.2

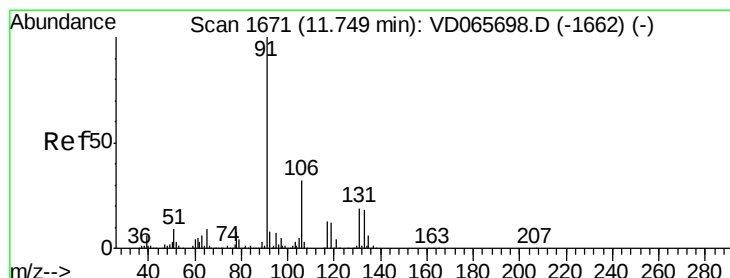
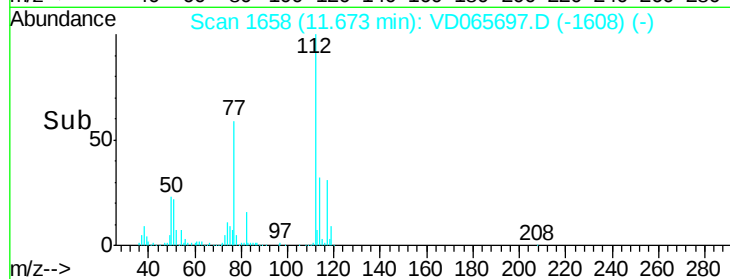
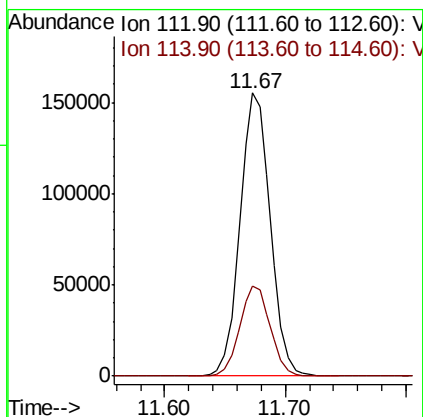
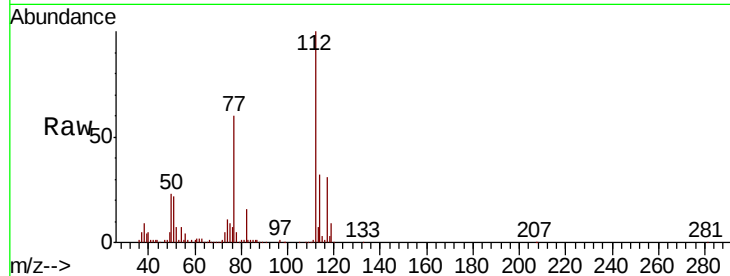




#65
Chlorobenzene
Concen: 19.560 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

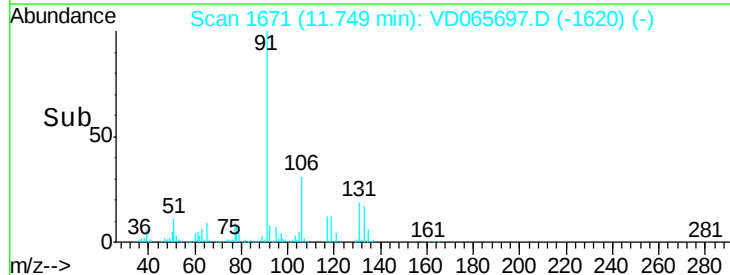
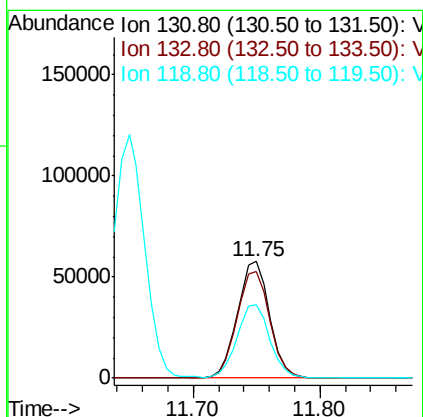
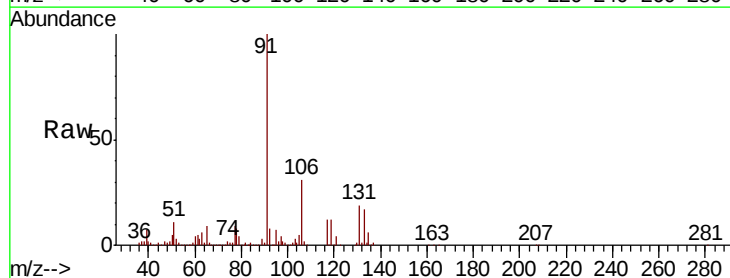
Instrument :
MSVOA_D
ClientSampleId :

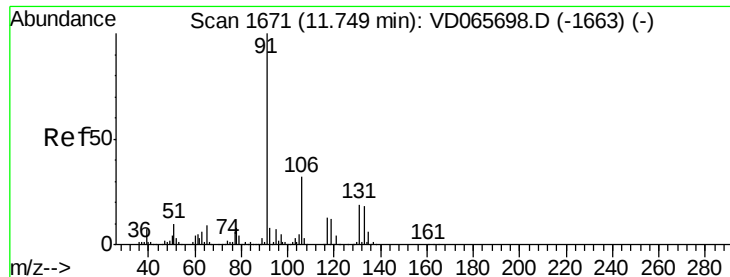
Tot Ion:112 Resp: 270919
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.180 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion:131 Resp: 101022
Ion Ratio Lower Upper
131 100
133 94.2 47.3 141.8
119 64.6 31.8 95.4





#67

Ethyl Benzene

Concen: 21.750 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

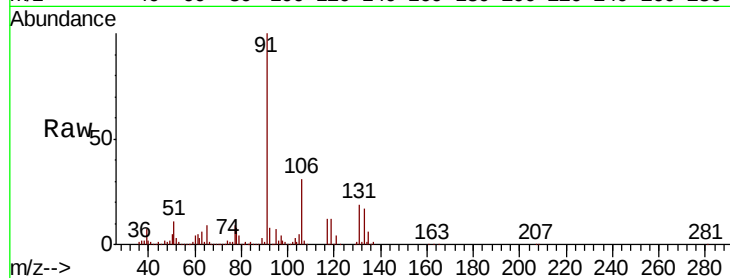
ClientSampleId :

Tot Ion: 91 Resp: 502638

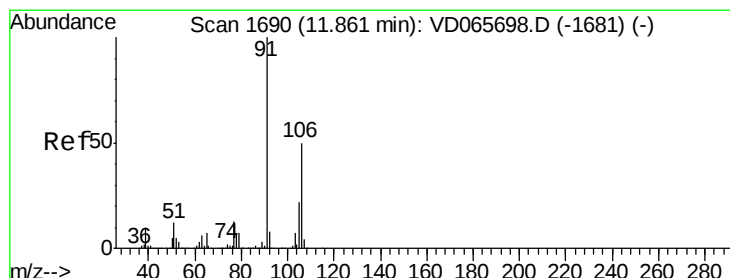
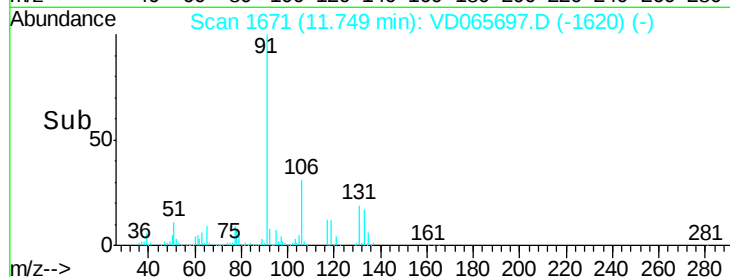
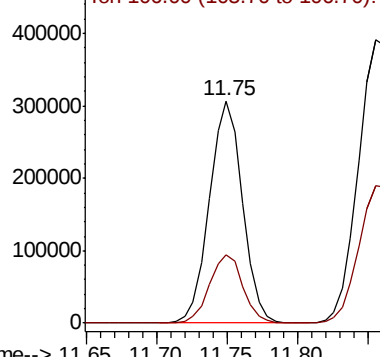
Ion Ratio Lower Upper

91 100

106 31.1 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 41.273 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065697.D

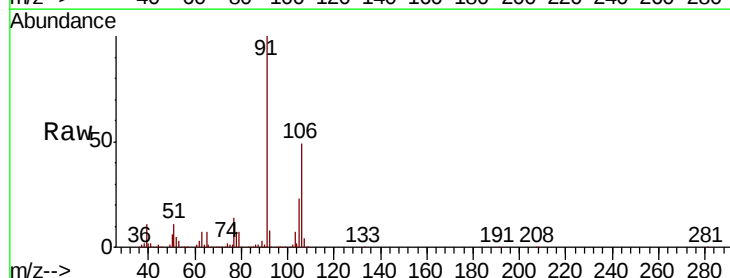
Acq: 06 May 2020 15:11

Tgt Ion: 106 Resp: 371147

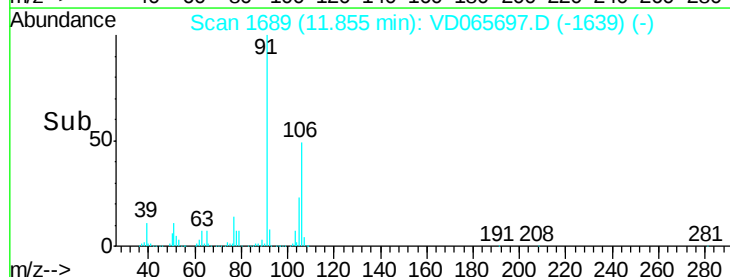
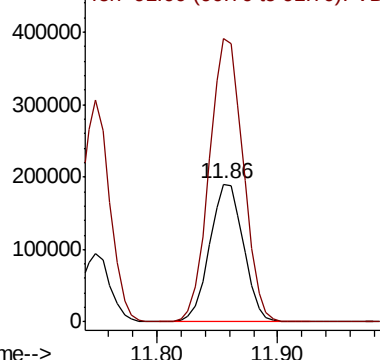
Ion Ratio Lower Upper

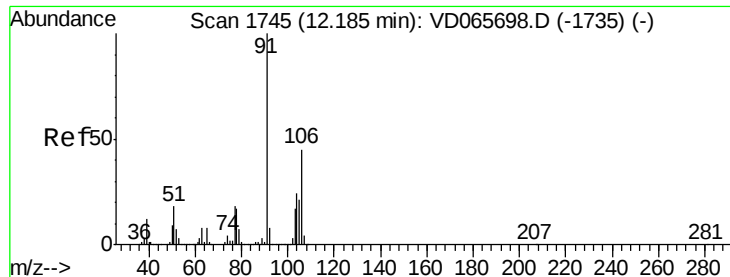
106 100

91 206.8 163.1 244.7



Abundance Ion 106.00 (105.70 to 106.70): V

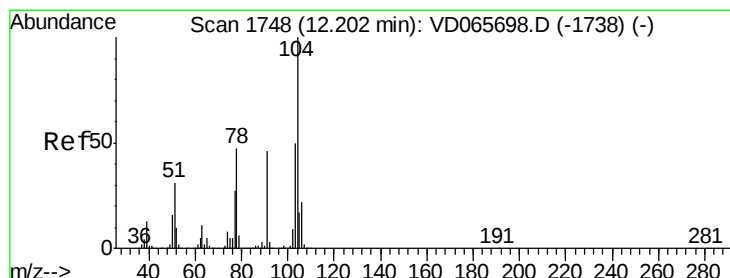
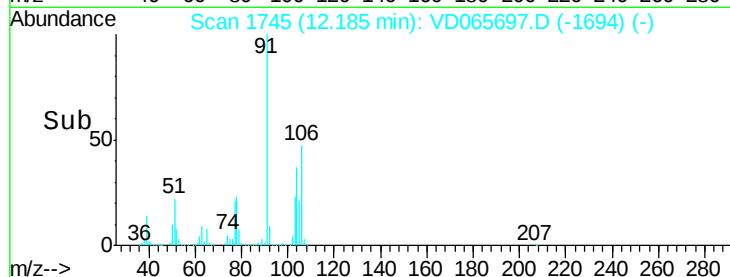
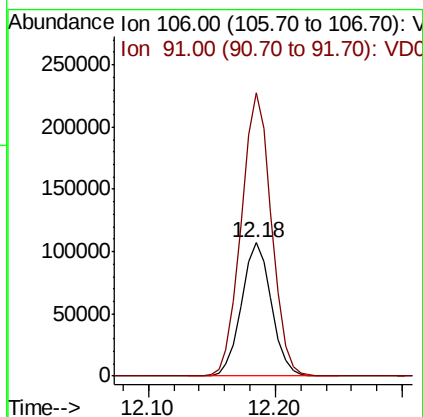
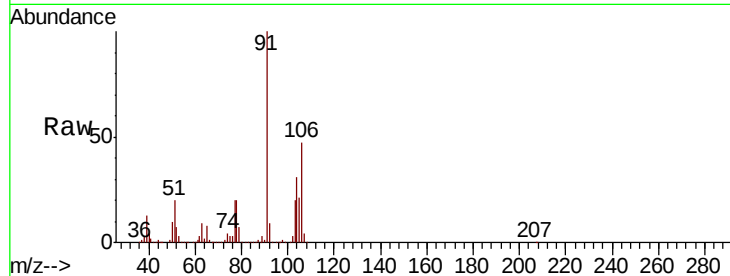




#69
o-Xylene
Concen: 22.261 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

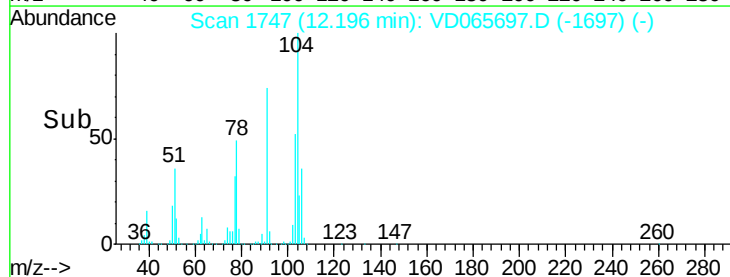
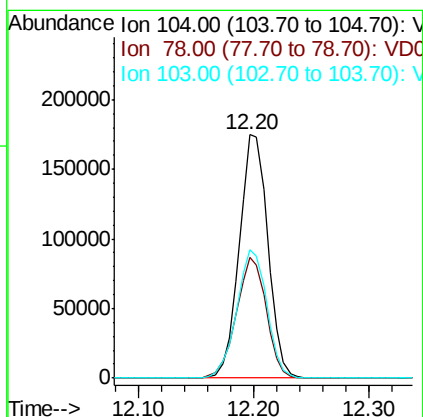
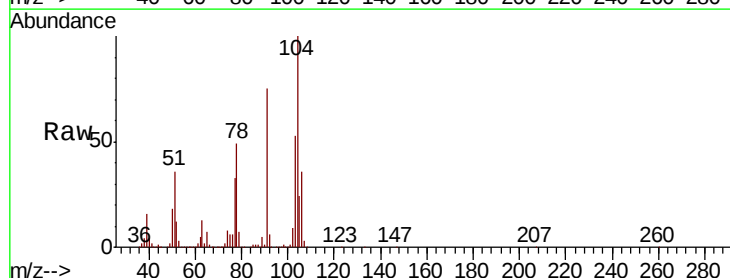
Instrument :
MSVOA_D
ClientSampleId :

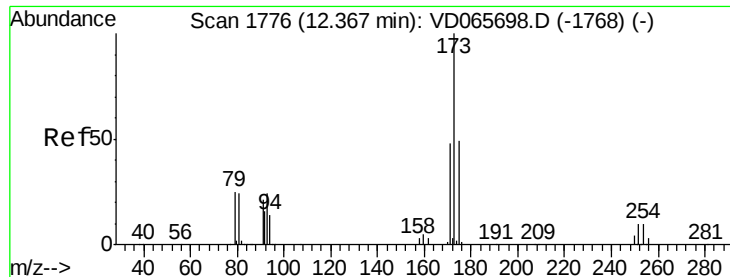
Tot Ion:106 Resp: 175002
Ion Ratio Lower Upper
106 100
91 214.6 107.9 323.7



#70
Styrene
Concen: 21.819 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion:104 Resp: 300422
Ion Ratio Lower Upper
104 100
78 51.6 41.0 61.4
103 55.5 43.8 65.6

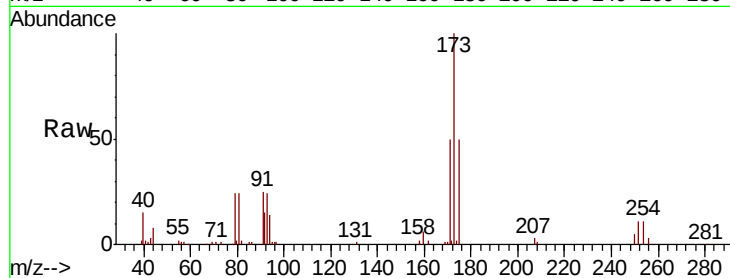




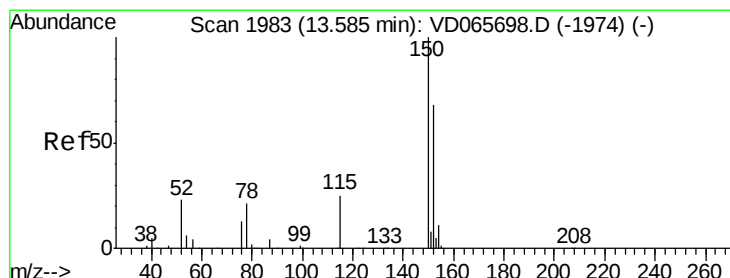
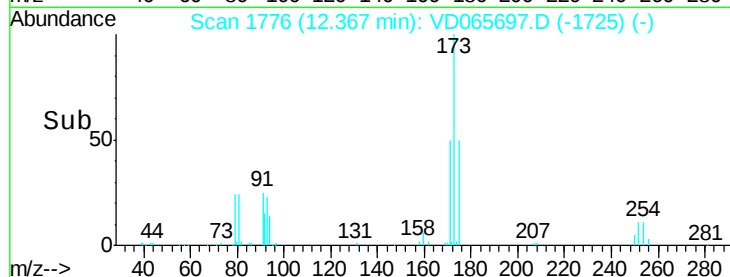
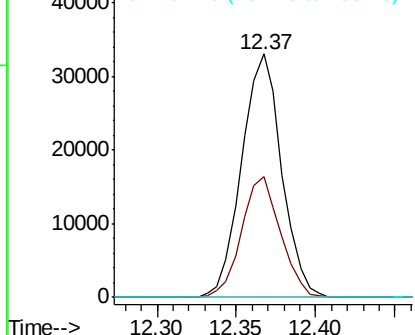
#71
Bromoform
Concen: 19.387 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 57773
Ion Ratio Lower Upper
173 100
175 48.6 24.5 73.5
254 0.0 0.0 0.0

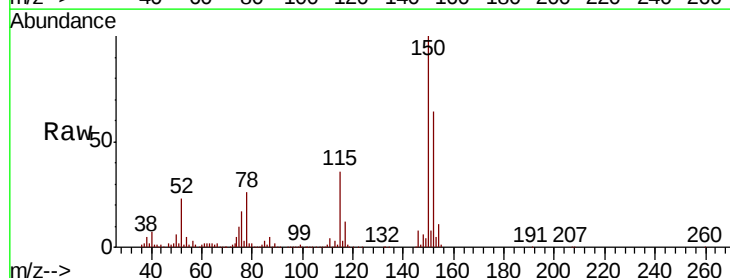


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

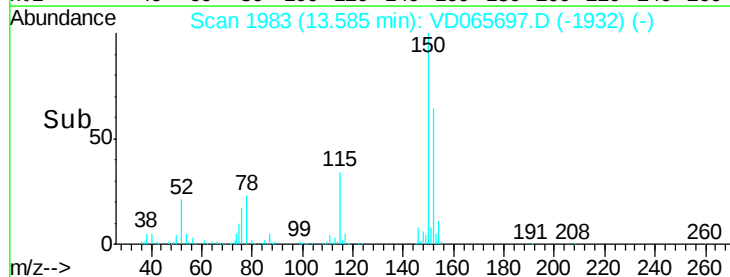
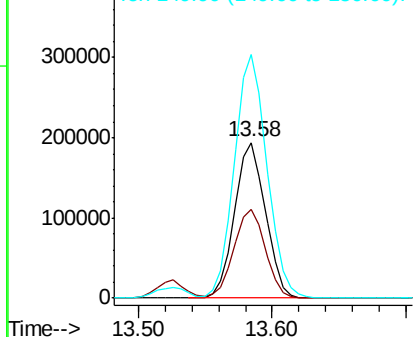


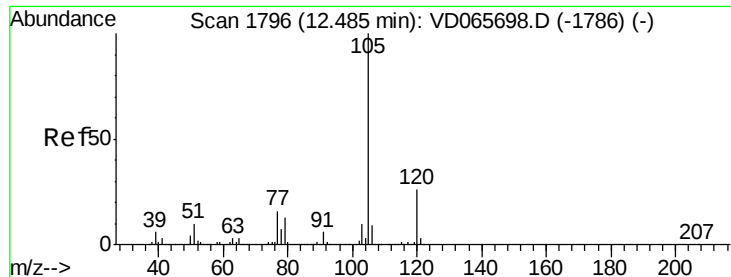
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065697.D
Acq: 06 May 2020 15:11

Tgt Ion:152 Resp: 311831
Ion Ratio Lower Upper
152 100
115 58.1 29.5 88.5
150 164.9 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 24.027 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

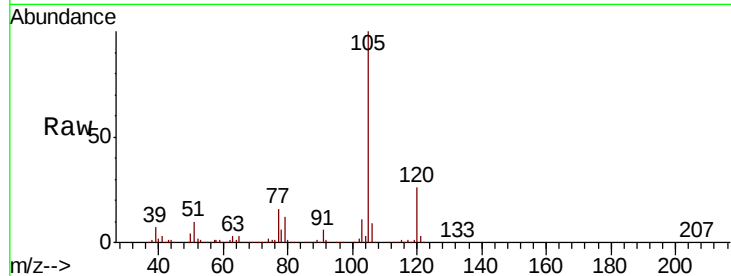
ClientSampleId :

Tot Ion:105 Resp: 479723

Ion Ratio Lower Upper

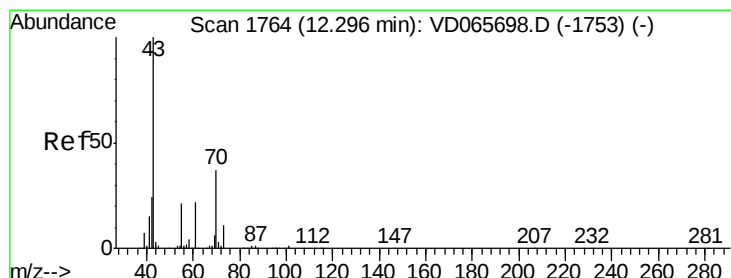
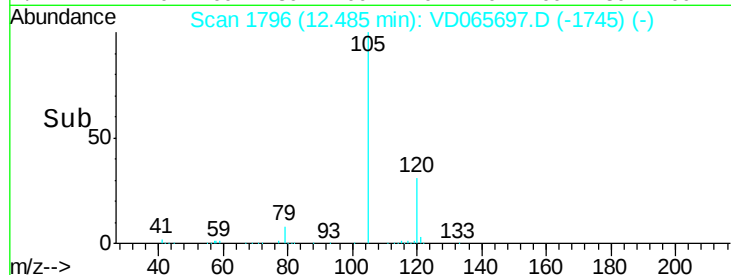
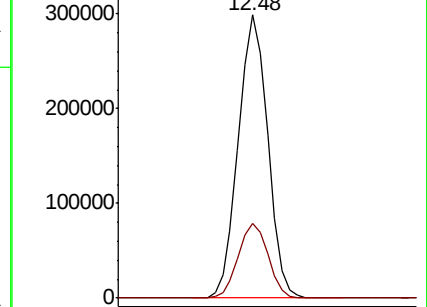
105 100

120 26.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 32.144 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Tgt Ion: 43 Resp: 142146

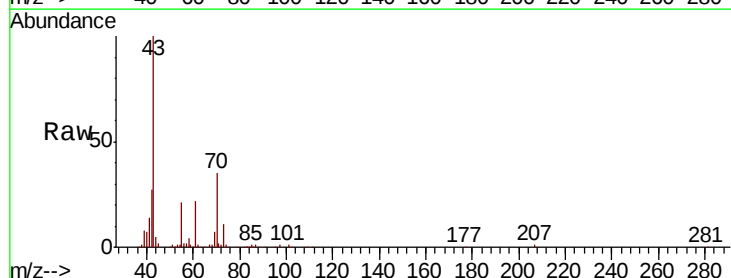
Ion Ratio Lower Upper

43 100

70 37.1 29.3 43.9

55 21.1 16.4 24.6

61 21.9 18.0 27.0

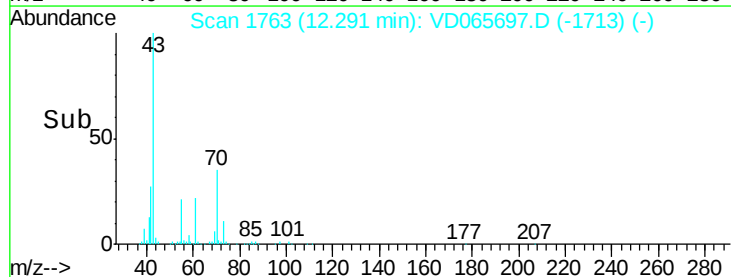
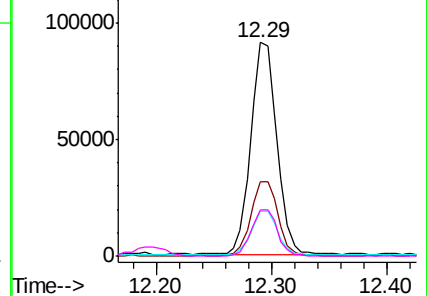


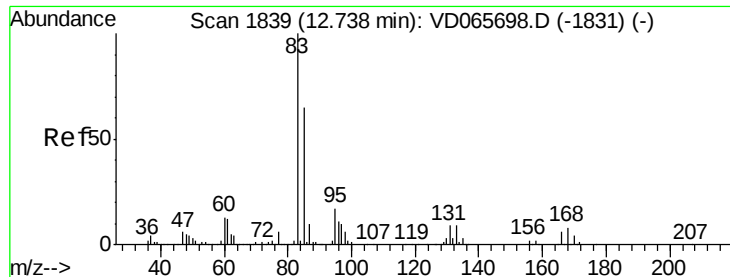
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.219 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

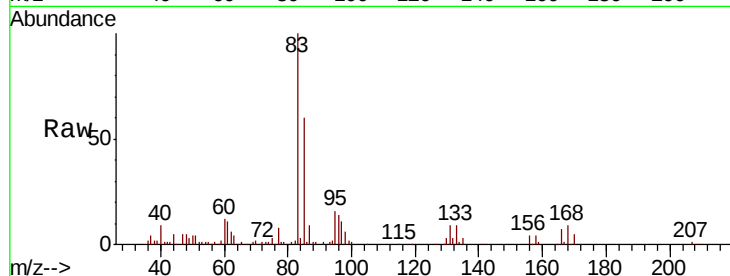
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 83 Resp: 82259

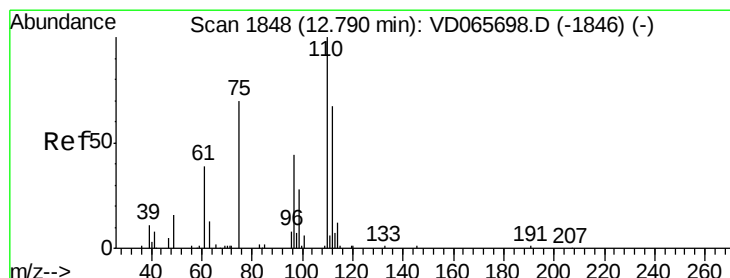
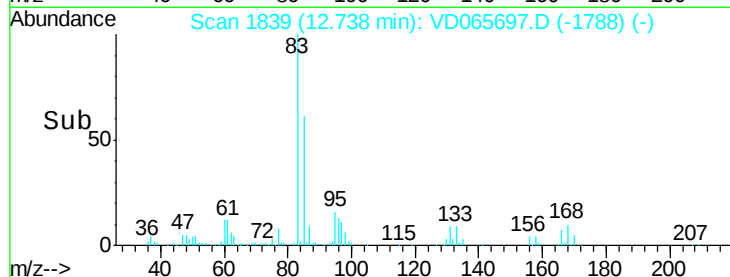
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.7
85	65.1	31.9	95.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 44.219 ug/l

RT: 12.79 min Scan# 1848

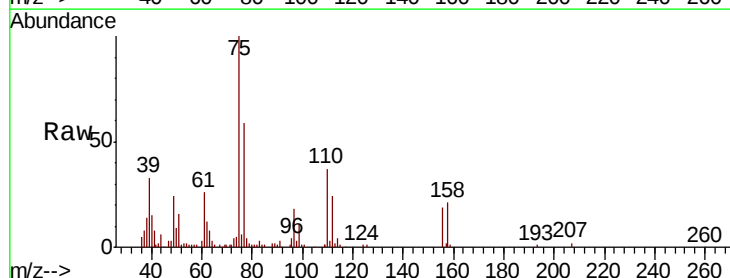
Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

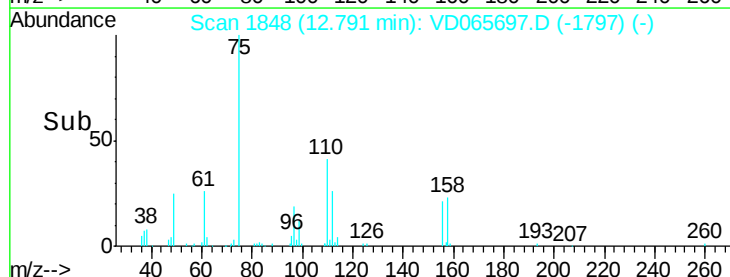
Tgt Ion: 75 Resp: 111798

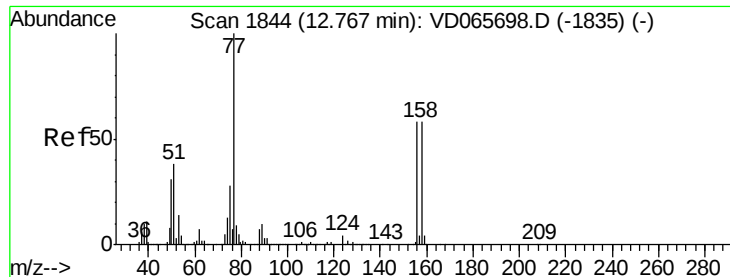
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.840 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

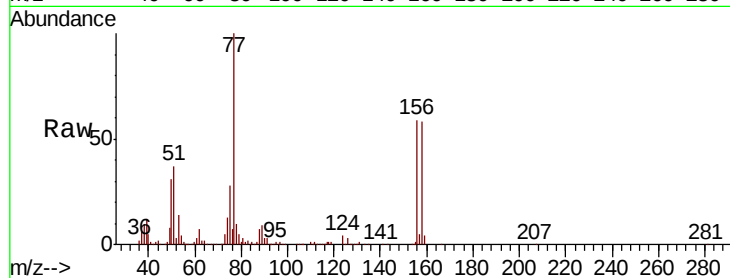
Tot Ion:156 Resp: 111872

Ion Ratio Lower Upper

156 100

77 187.8 92.9 278.7

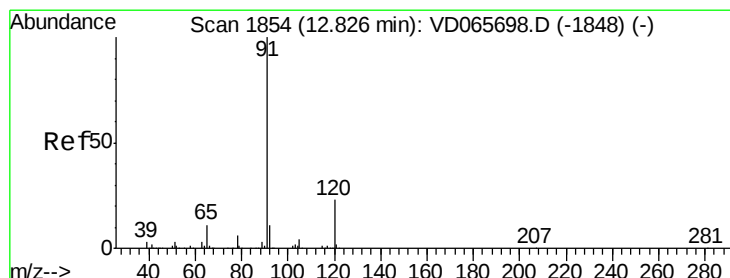
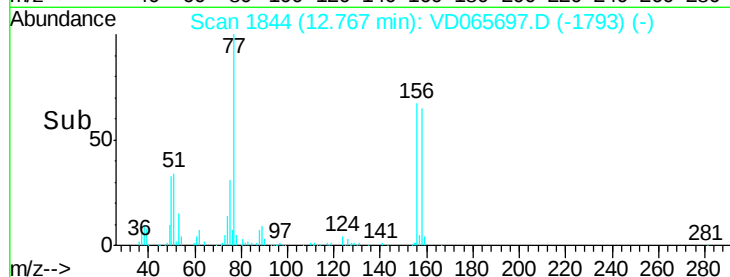
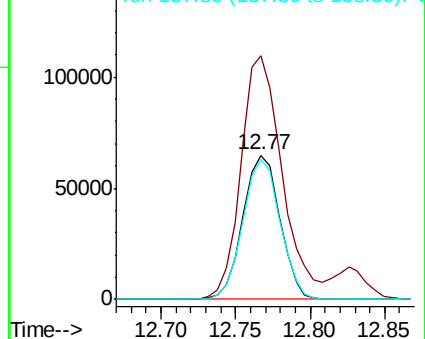
158 96.9 48.9 146.7



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: 23.590 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065697.D

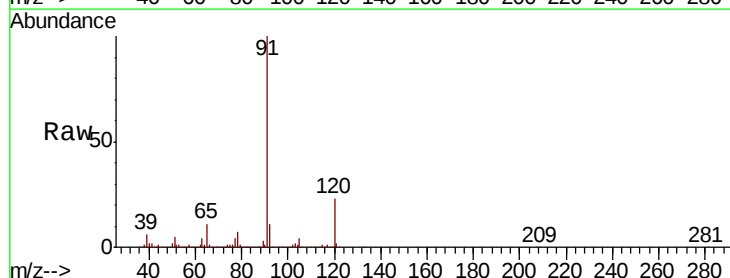
Acq: 06 May 2020 15:11

Tgt Ion: 91 Resp: 567969

Ion Ratio Lower Upper

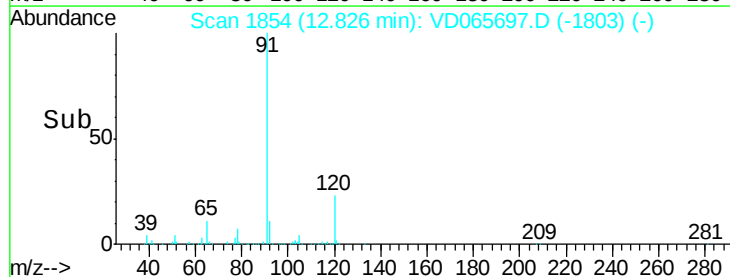
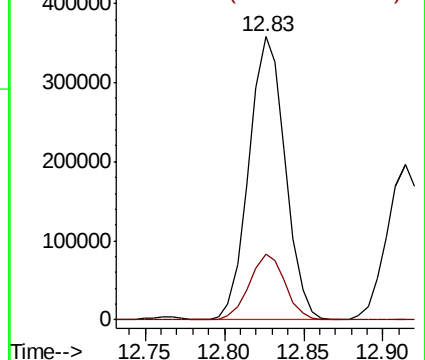
91 100

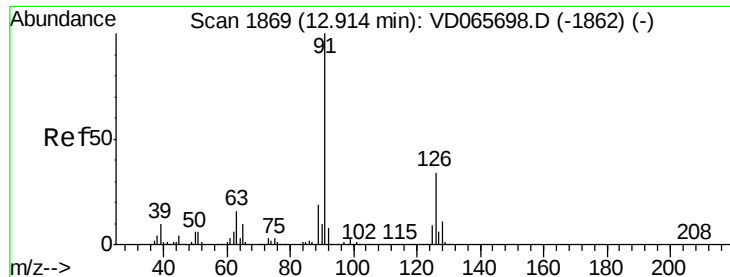
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.174 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

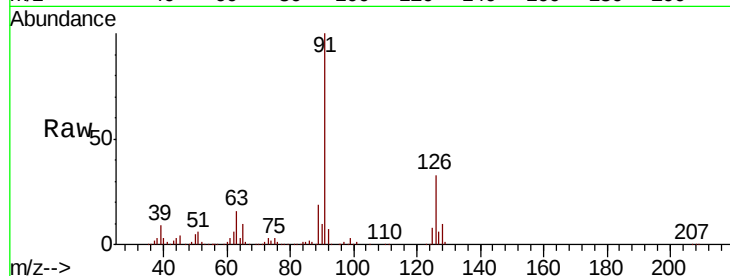
ClientSampleId :

Tot Ion: 91 Resp: 320345

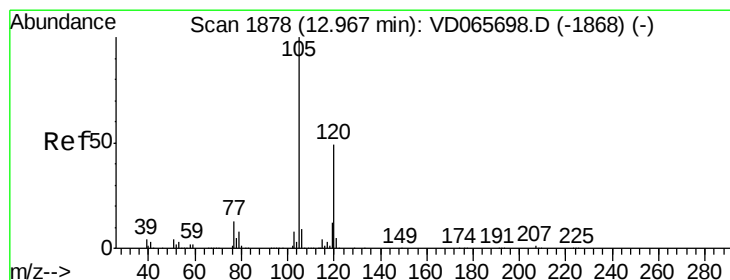
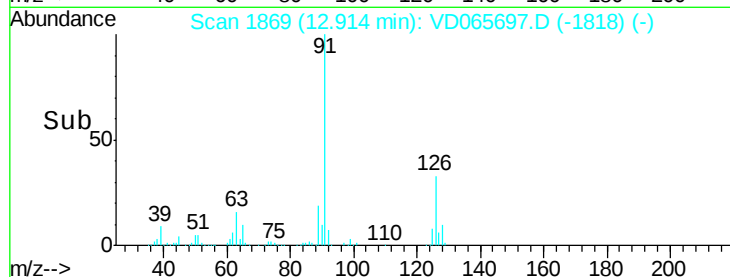
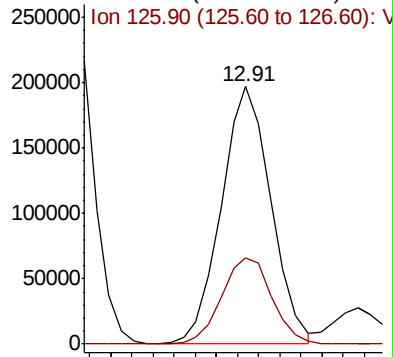
Ion Ratio Lower Upper

91 100

126 34.3 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 23.429 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065697.D

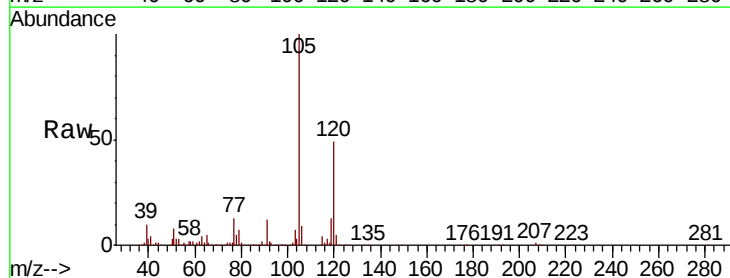
Acq: 06 May 2020 15:11

Tgt Ion:105 Resp: 393711

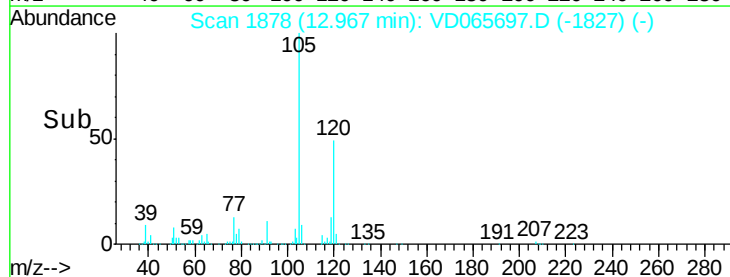
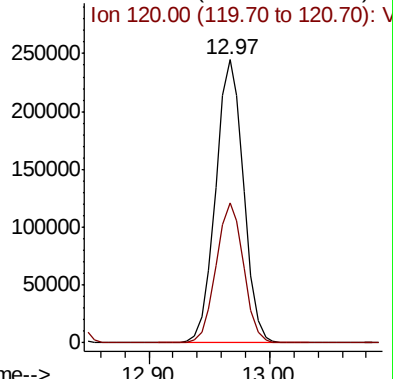
Ion Ratio Lower Upper

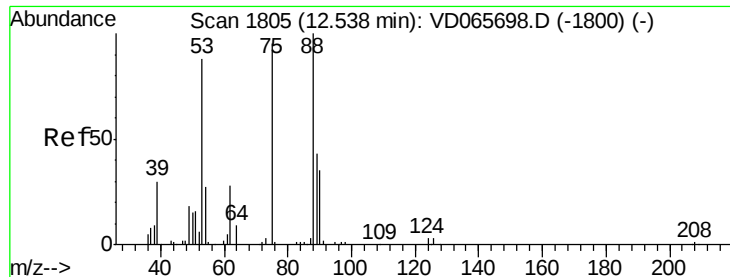
105 100

120 48.7 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 28.080 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

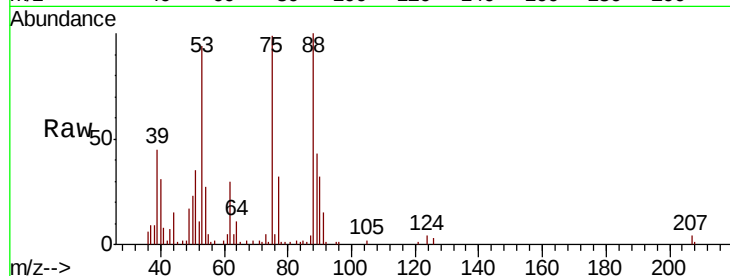
Tot Ion: 75 Resp: 31846

Ion Ratio Lower Upper

75 100

53 96.0 75.8 113.8

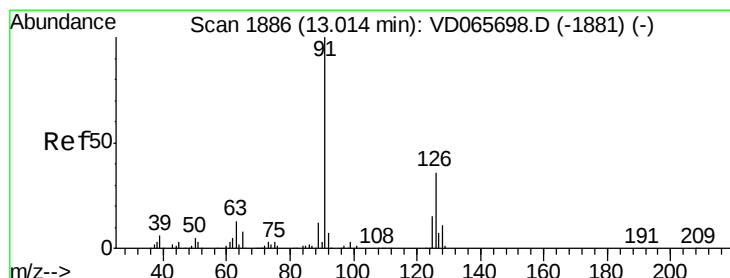
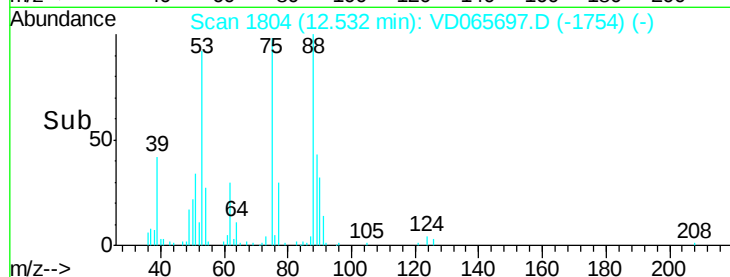
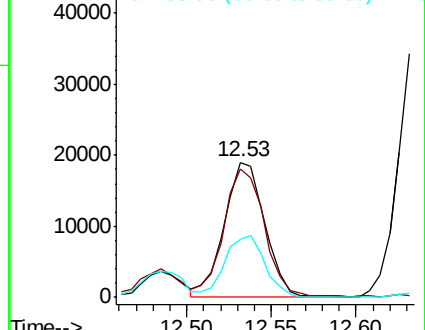
89 44.1 36.2 54.2



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: 22.584 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065697.D

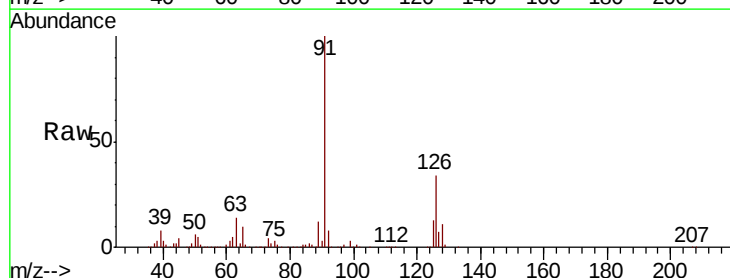
Acq: 06 May 2020 15:11

Tgt Ion: 91 Resp: 334626

Ion Ratio Lower Upper

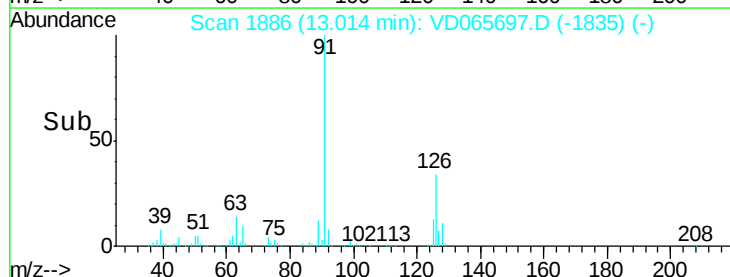
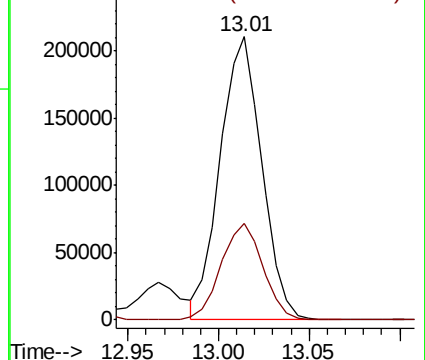
91 100

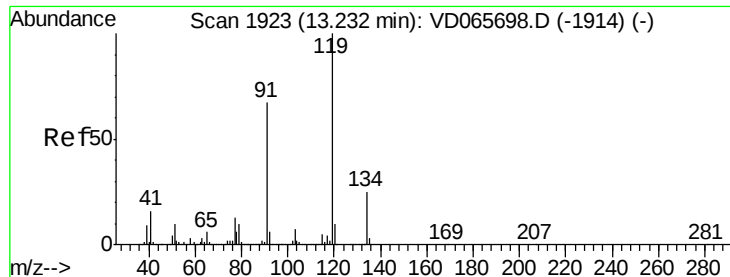
126 34.4 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 24.207 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

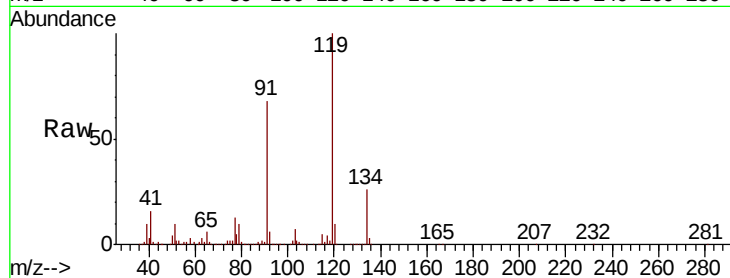
Tot Ion:119 Resp: 338477

Ion Ratio Lower Upper

119 100

91 66.8 33.6 100.8

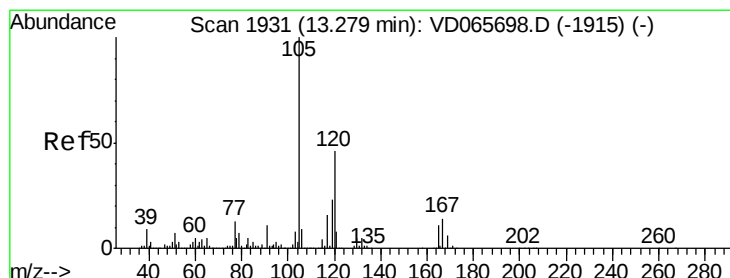
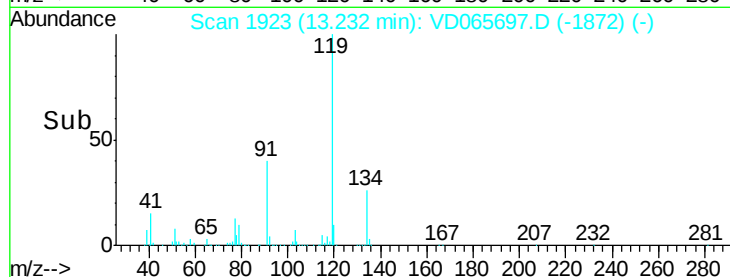
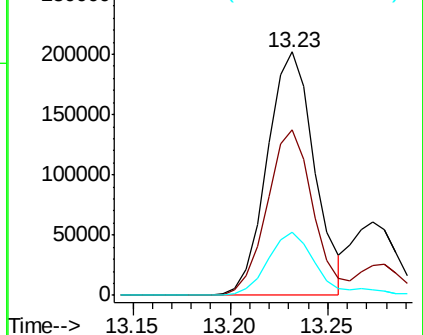
134 27.1 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.921 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD065697.D

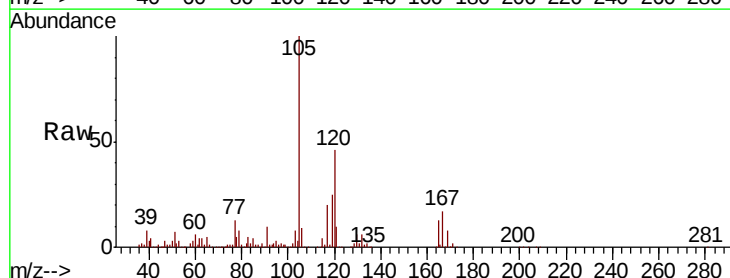
Acq: 06 May 2020 15:11

Tgt Ion:105 Resp: 397638

Ion Ratio Lower Upper

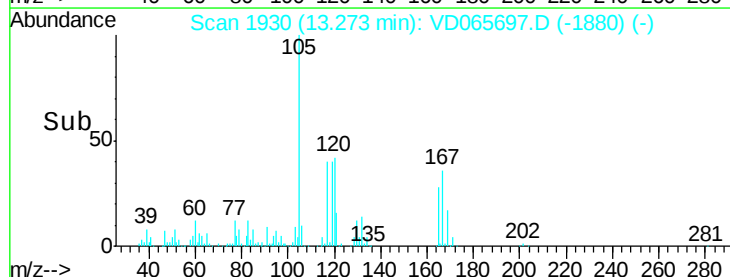
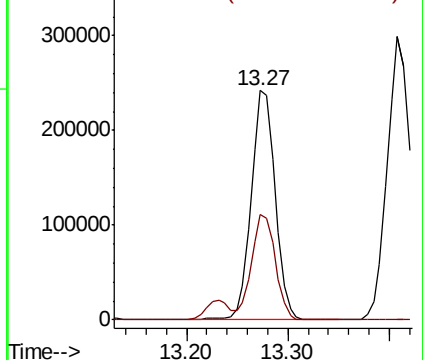
105 100

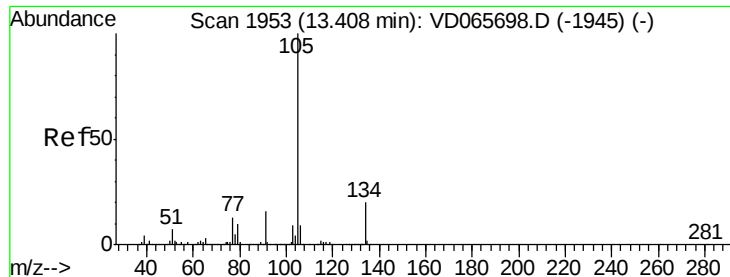
120 45.2 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

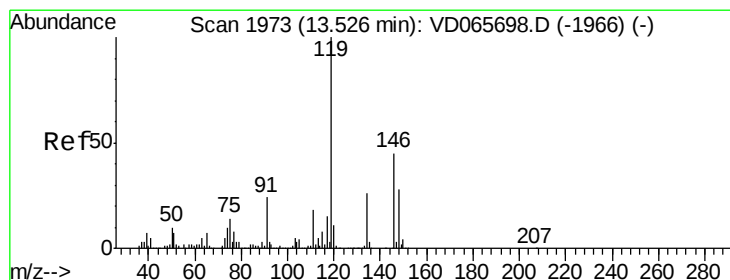
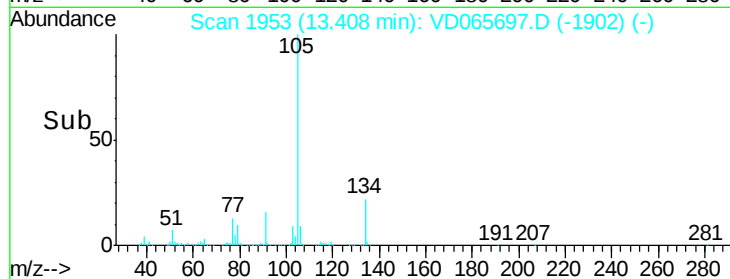
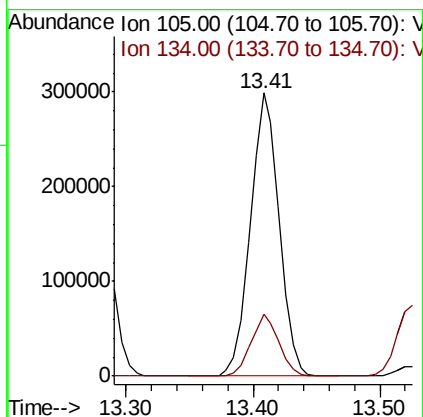
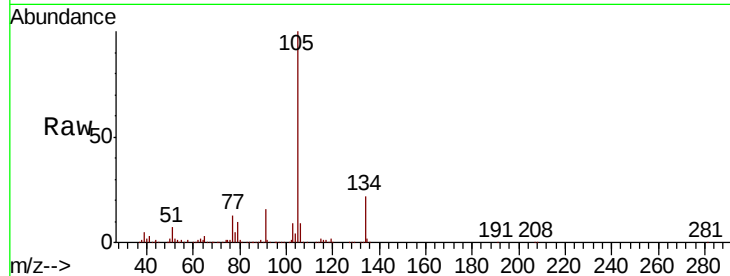




#85
 sec-Butylbenzene
 Concen: 23.504 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

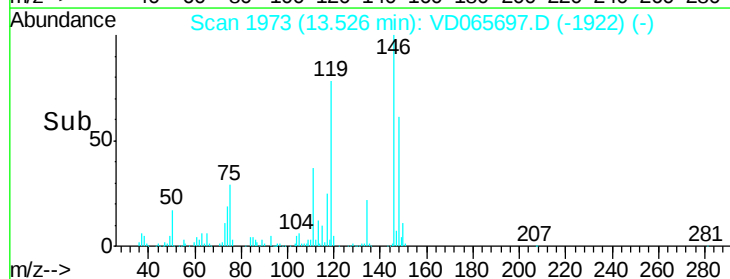
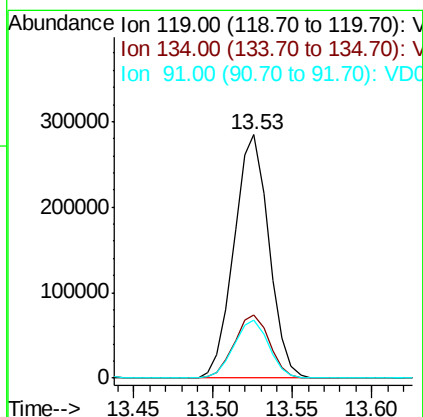
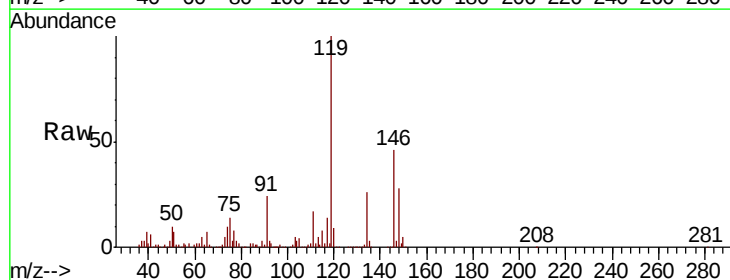
Instrument :
 MSVOA_D
 ClientSampleId :

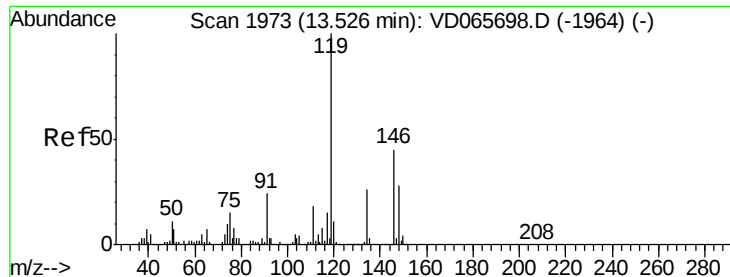
Tot Ion:105 Resp: 471215
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 23.551 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion:119 Resp: 432117
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.6
 91 23.8 12.0 36.1

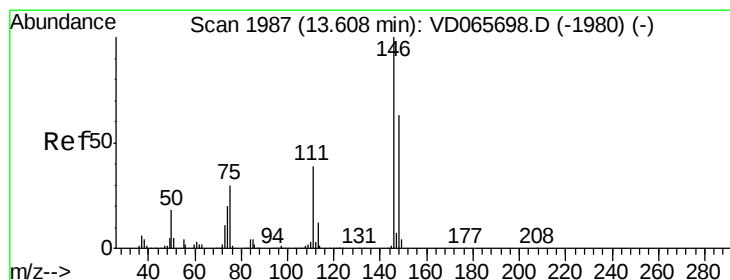
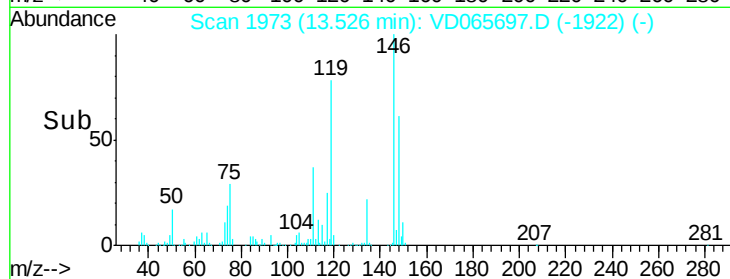
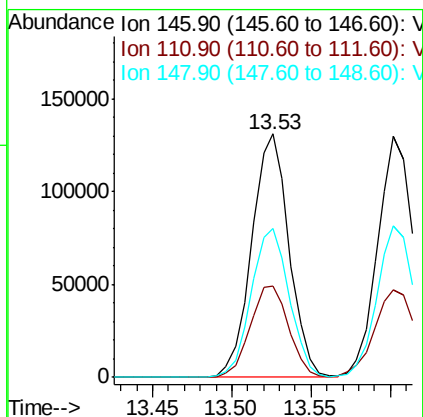
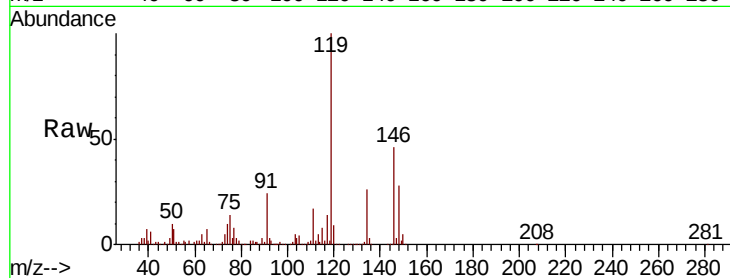




#87
 1,3-Dichlorobenzene
 Concen: 20.733 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

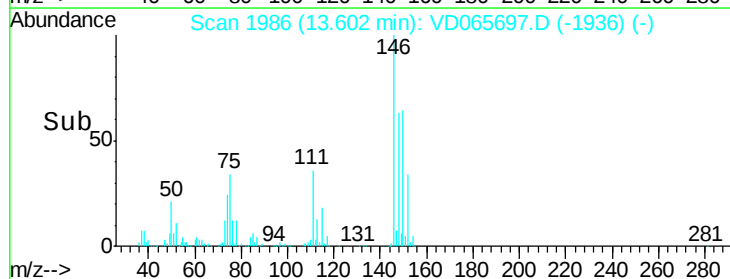
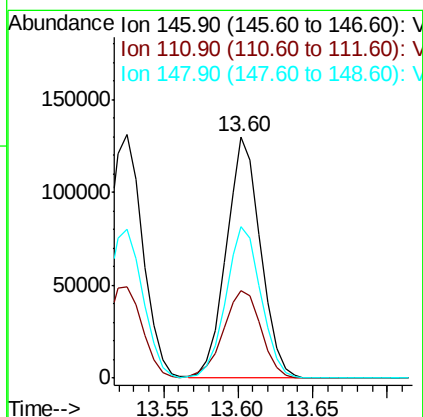
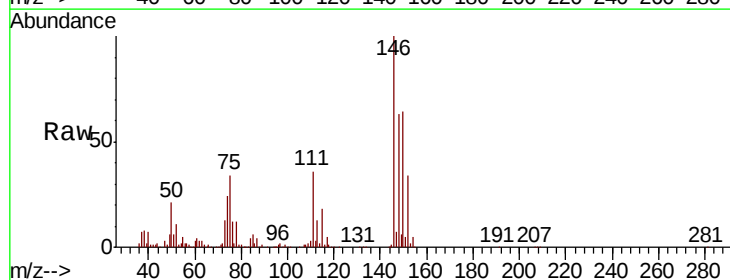
Instrument :
 MSVOA_D
 ClientSampleId :

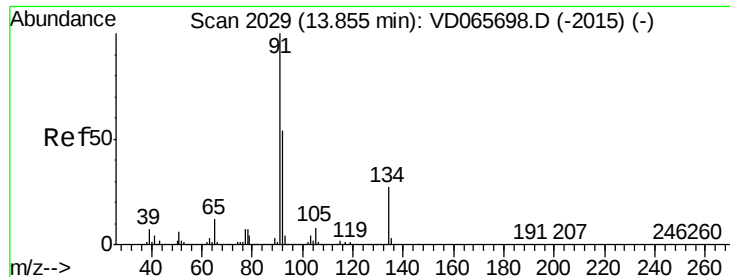
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.8
148	62.4	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 20.097 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.6	58.7
148	64.6	31.9	95.5





#89

n-Butylbenzene

Concen: 24.606 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

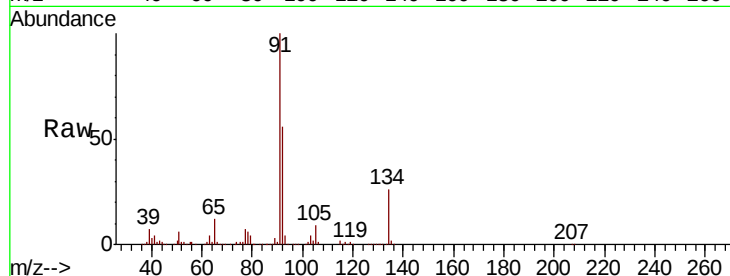
Tot Ion: 91 Resp: 415445

Ion Ratio Lower Upper

91 100

92 55.0 27.4 82.0

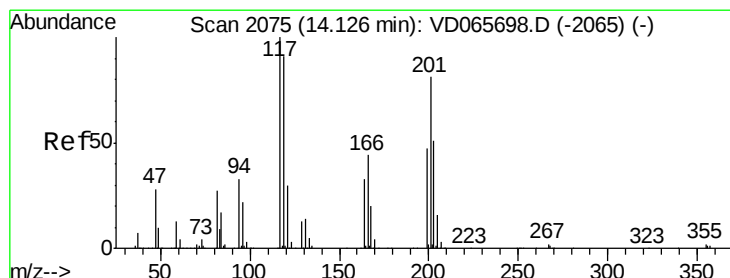
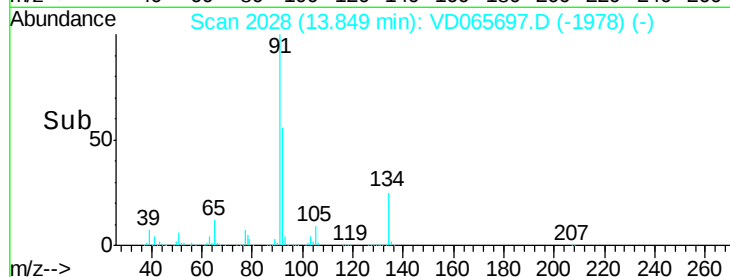
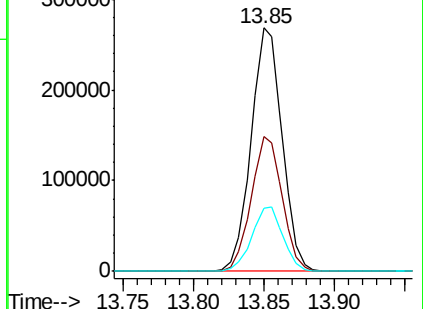
134 26.4 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 20.990 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.01 min

Lab File: VD065697.D

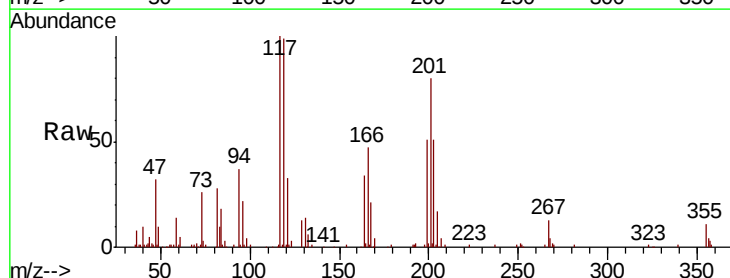
Acq: 06 May 2020 15:11

Tgt Ion: 117 Resp: 84461

Ion Ratio Lower Upper

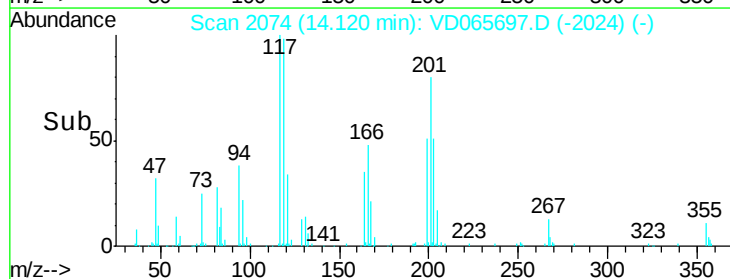
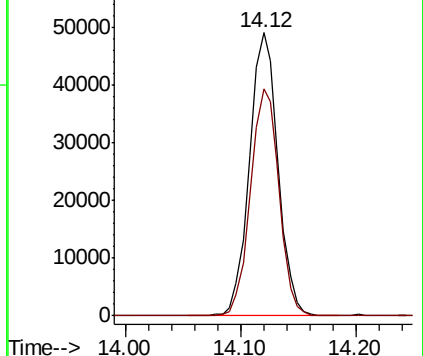
117 100

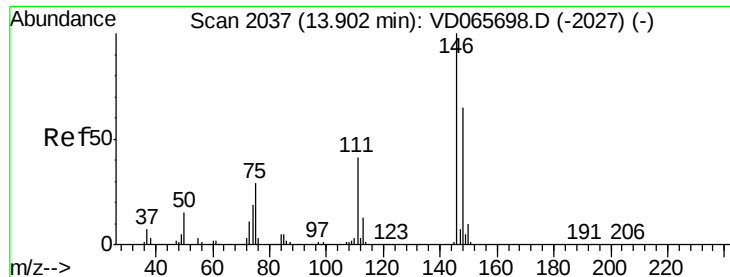
201 80.2 39.1 117.2



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC





#91

1,2-Dichlorobenzene

Concen: 20.941 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

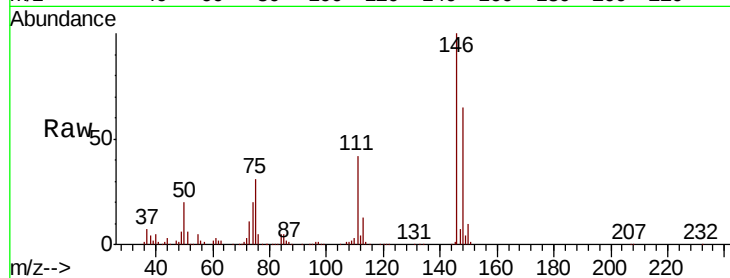
Tot Ion:146 Resp: 184610

Ion Ratio Lower Upper

146 100

111 40.3 20.3 61.0

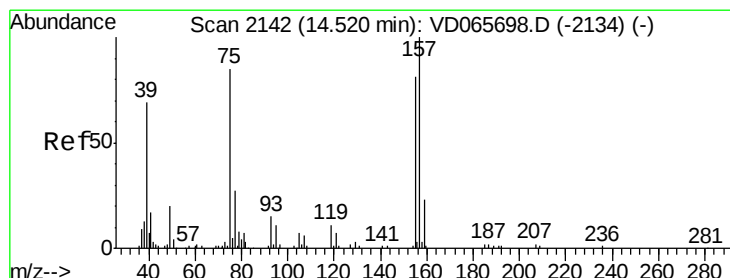
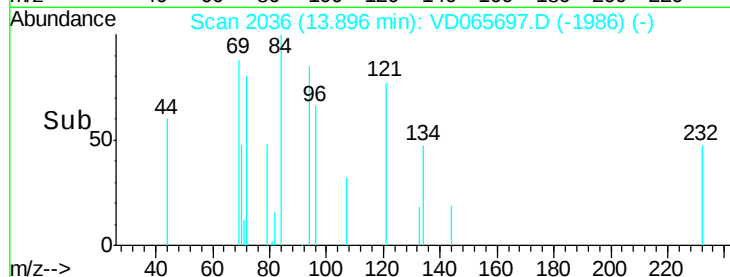
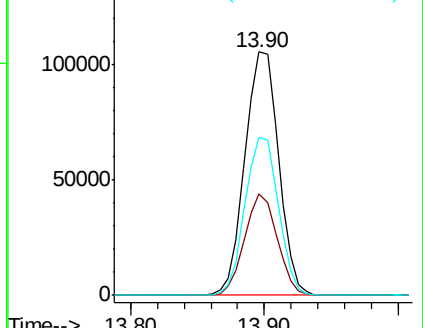
148 64.2 31.9 95.9



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: 23.912 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

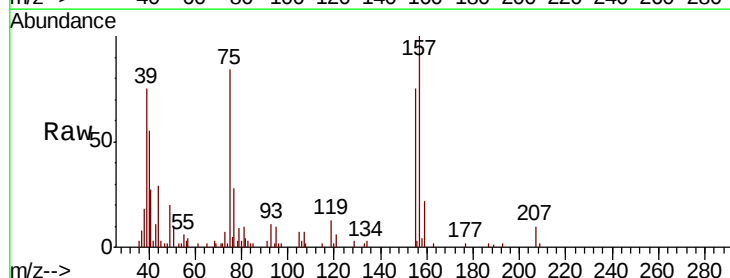
Tgt Ion: 75 Resp: 14074

Ion Ratio Lower Upper

75 100

155 90.6 43.5 130.5

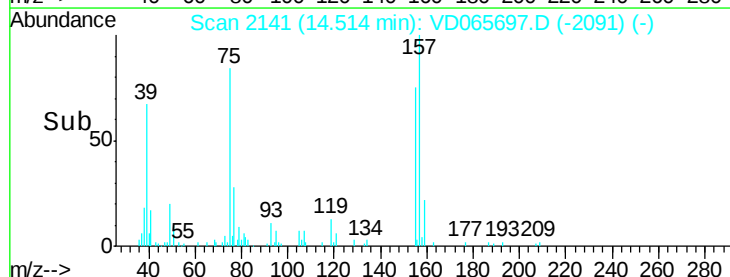
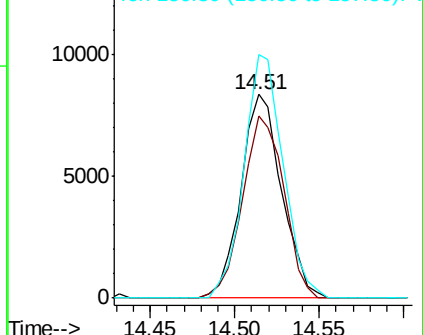
157 115.0 54.5 163.6

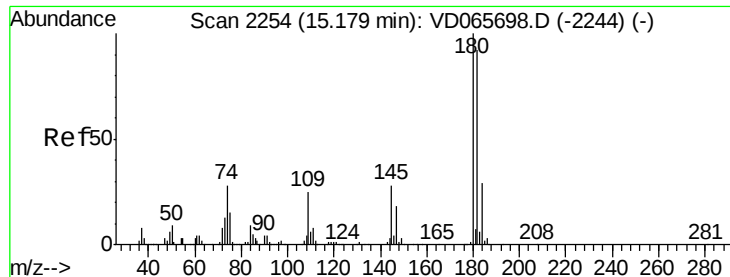


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

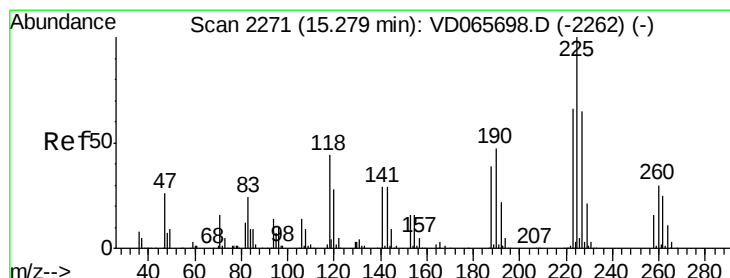
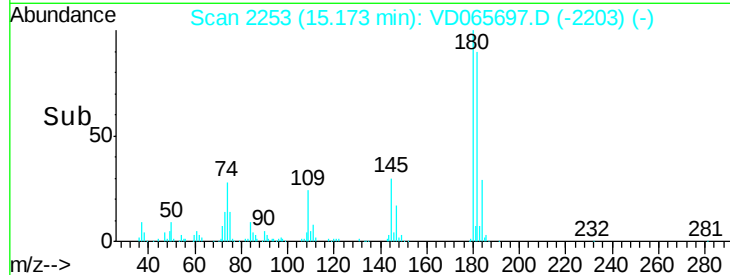
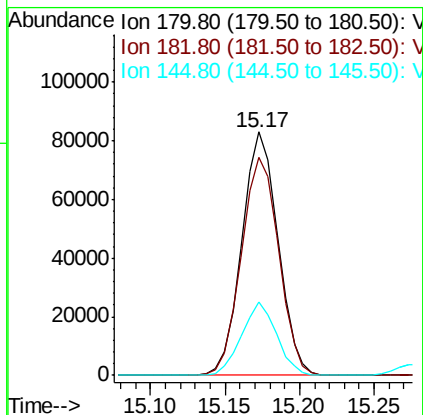
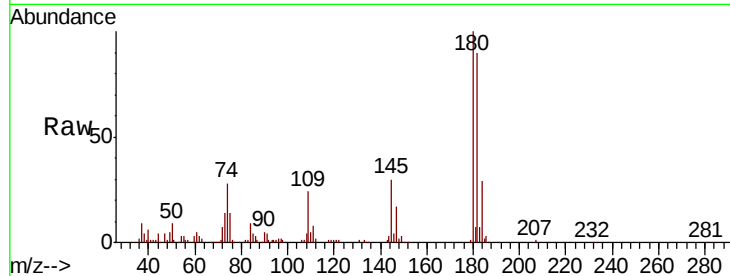




#93
 1,2,4-Trichlorobenzene
 Concen: 23.451 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

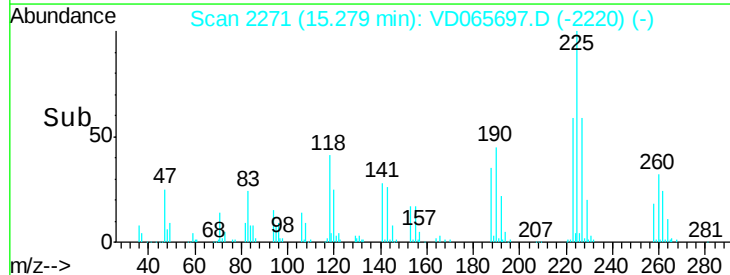
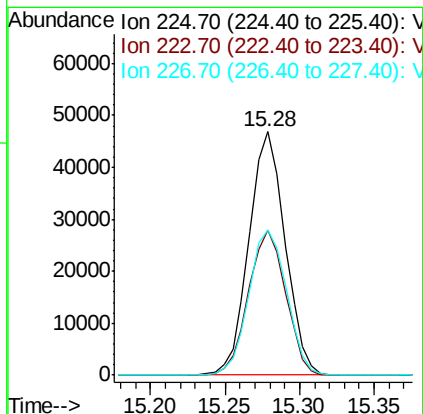
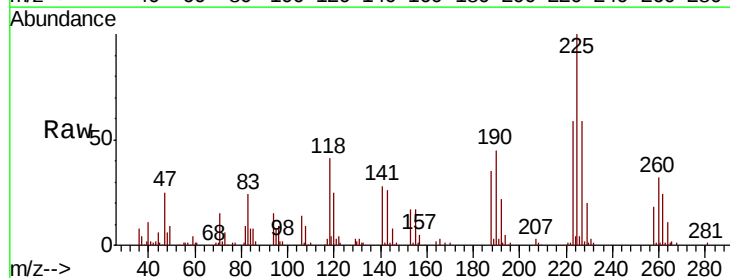
Instrument :
 MSVOA_D
 ClientSampleId :

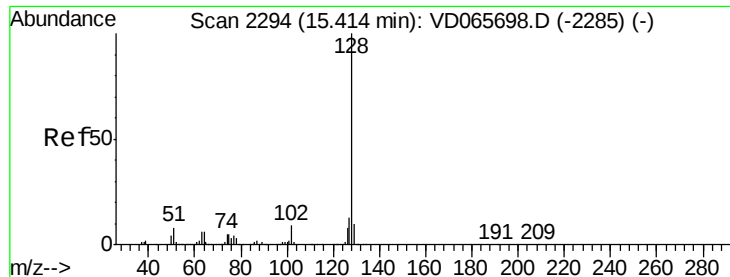
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.0	141.0
145	29.3	14.8	44.3



#94
 Hexachlorobutadiene
 Concen: 19.622 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065697.D
 Acq: 06 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.8	95.3
227	62.3	31.6	94.8





#95

Naphthalene

Concen: 26.933 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

Instrument :

MSVOA_D

ClientSampleId :

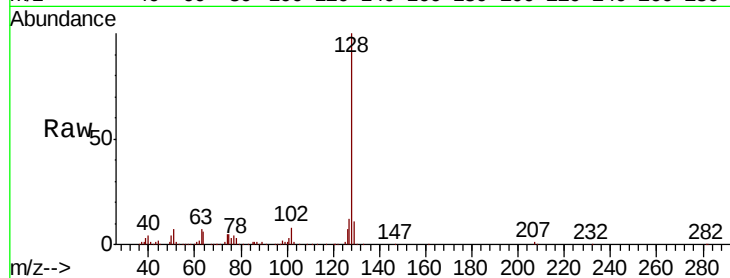
Tot Ion:128 Resp: 239844

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

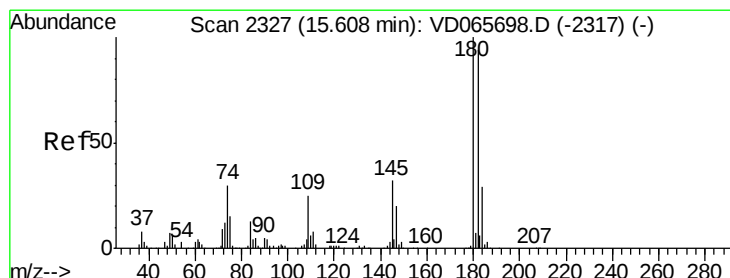
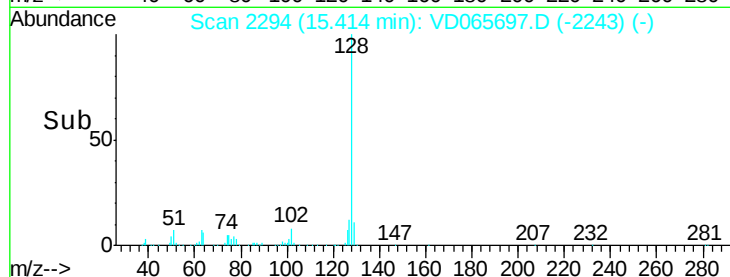
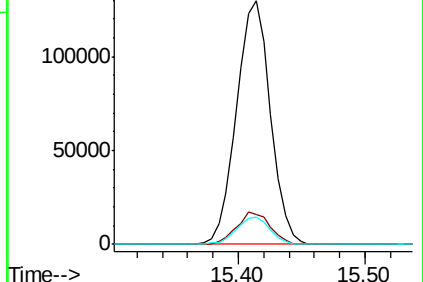
129 11.0 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.935 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065697.D

Acq: 06 May 2020 15:11

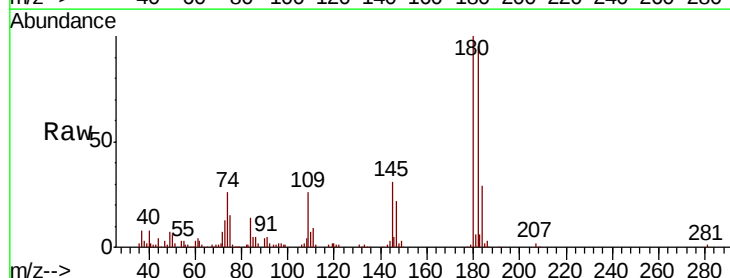
Tgt Ion:180 Resp: 117138

Ion Ratio Lower Upper

180 100

182 96.4 46.9 140.6

145 31.6 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

