

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050120\
 Data File : VD065693.D
 Acq On : 01 May 2020 21:56
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 04 10:35:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050120S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 10:28:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	626661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	916159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	852739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	423378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	328203	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
35) Dibromofluoromethane	7.92	113	298945	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
50) Toluene-d8	10.34	98	1131585	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.64	95	366135	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	148699	48.113	ug/l	98
3) Chloromethane	2.21	50	294952	50.925	ug/l	99
4) Vinyl Chloride	2.35	62	359571	45.648	ug/l	99
5) Bromomethane	2.77	94	230848	52.770	ug/l	97
6) Chloroethane	2.92	64	235240	45.604	ug/l	96
7) Trichlorofluoromethane	3.27	101	476154	47.777	ug/l	100
8) Diethyl Ether	3.71	74	136017	52.178	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	286823	47.760	ug/l	97
10) Methyl Iodide	4.30	142	294781	56.875	ug/l	96
11) Tert butyl alcohol	5.22	59	97273	272.933	ug/l	95
12) 1,1-Dichloroethene	4.07	96	261343	50.713	ug/l	97
13) Acrolein	3.93	56	142123	270.487	ug/l	94
14) Allyl chloride	4.71	41	476399	53.386	ug/l	99
15) Acrylonitrile	5.43	53	324883	258.934	ug/l	99
16) Acetone	4.16	43	257773	225.415	ug/l	99
17) Carbon Disulfide	4.41	76	838295	48.484	ug/l	99
18) Methyl Acetate	4.72	43	171836	48.685	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	643554	55.567	ug/l	94
20) Methylene Chloride	4.97	84	327970	51.368	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	317651	50.671	ug/l	95
22) Diisopropyl ether	6.37	45	1000008	55.405	ug/l	99
23) Vinyl Acetate	6.31	43	2868828	285.515	ug/l	99
24) 1,1-Dichloroethane	6.27	63	577057	50.837	ug/l	98
25) 2-Butanone	7.21	43	406597	246.805	ug/l	100
26) 2,2-Dichloropropane	7.21	77	476172	48.024	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	347077	52.149	ug/l	99
28) Bromochloromethane	7.55	49	232442	49.474	ug/l	86
29) Tetrahydrofuran	7.57	42	275045	269.809	ug/l	99
30) Chloroform	7.71	83	596166	49.567	ug/l	98
31) Cyclohexane	7.99	56	502438	49.866	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	538902	50.220	ug/l	97
36) 1,1-Dichloropropene	8.11	75	449938	49.706	ug/l	97
37) Ethyl Acetate	7.30	43	197112	50.760	ug/l	99
38) Carbon Tetrachloride	8.10	117	490235	47.781	ug/l	96

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Quant Time: May 04 10:35:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050120S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 10:28:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	511373	52.447	ug/l	97
40) Benzene	8.36	78	1256158	48.783	ug/l	97
41) Methacrylonitrile	7.56	41	283444	126.404	ug/l #	68
42) 1,2-Dichloroethane	8.43	62	408595	49.143	ug/l	99
43) Isopropyl Acetate	9.53	43	275158	52.892	ug/l #	95
44) Trichloroethene	9.11	130	347505	49.144	ug/l	99
45) 1,2-Dichloropropane	9.39	63	319812	48.876	ug/l	98
46) Dibromomethane	9.48	93	171704	48.313	ug/l	97
47) Bromodichloromethane	9.67	83	459880	47.984	ug/l	98
48) Methyl methacrylate	9.46	41	180588	53.290	ug/l	96
49) 1,4-Dioxane	9.47	88	38480	968.285	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	979801	260.120	ug/l	99
52) Toluene	10.41	92	818941	50.884	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	426321	51.347	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	503170	51.694	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	228585	48.153	ug/l	98
56) Ethyl methacrylate	10.67	69	278690	48.801	ug/l	99
57) 1,3-Dichloropropane	10.95	76	401455	49.267	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	659093	287.655	ug/l	96
59) 2-Hexanone	10.99	43	660853	265.037	ug/l	99
60) Dibromochloromethane	11.14	129	313936	48.936	ug/l	99
61) 1,2-Dibromoethane	11.25	107	226330	50.731	ug/l	100
64) Tetrachloroethene	10.88	164	297502	48.392	ug/l	97
65) Chlorobenzene	11.68	112	851769	49.396	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	333567	48.871	ug/l	98
67) Ethyl Benzene	11.75	91	1540636	51.769	ug/l	100
68) m/p-Xylenes	11.86	106	1192193	105.277	ug/l	95
69) o-Xylene	12.18	106	531982	53.755	ug/l	98
70) Styrene	12.20	104	955307	48.622	ug/l	98
71) Bromoform	12.37	173	190511	49.945	ug/l	97
73) Isopropylbenzene	12.48	105	1447813	56.422	ug/l	100
74) N-amyl acetate	12.30	43	337661	57.342	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	253407	52.675	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	333771	103.567	ug/l	94
77) Bromobenzene	12.77	156	360026	52.841	ug/l	99
78) n-propylbenzene	12.83	91	1731358	55.204	ug/l	100
79) 2-Chlorotoluene	12.91	91	970876	54.442	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1220066	55.721	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	79040	52.847	ug/l	100
82) 4-Chlorotoluene	13.01	91	1038204	53.771	ug/l	100
83) tert-Butylbenzene	13.23	119	1015827	55.788	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	1227968	51.125	ug/l	99
85) sec-Butylbenzene	13.41	105	1438035	55.657	ug/l	100
86) p-Isopropyltoluene	13.53	119	1354848	56.117	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	690043	51.985	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	680640	51.063	ug/l	100
89) n-Butylbenzene	13.86	91	1225510	55.437	ug/l	99
90) Hexachloroethane	14.12	117	274498	52.218	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	597358	52.108	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	40656	49.883	ug/l	95

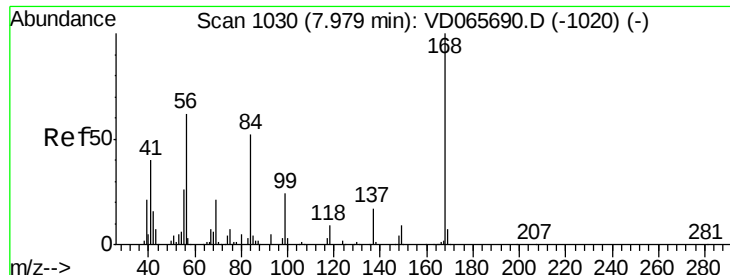
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050120\
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Quant Title : SW846 8260
QLast Update : Mon May 04 10:28:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	405549	54.888	ug/l	99
94) Hexachlorobutadiene	15.28	225	272975	52.408	ug/l	98
95) Naphthalene	15.41	128	663682	52.576	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	365099	56.793	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

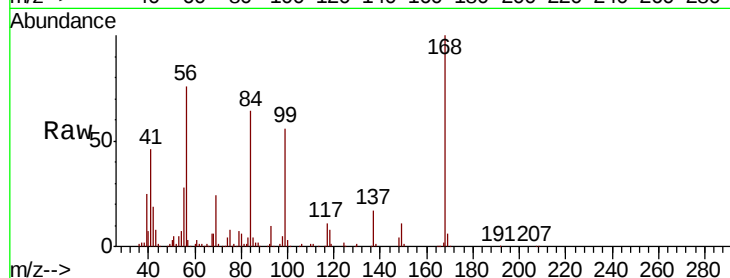
ClientSampleId :

Tot Ion:168 Resp: 626661

Ion Ratio Lower Upper

168 100

99 56.3 44.8 67.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.99

250000

200000

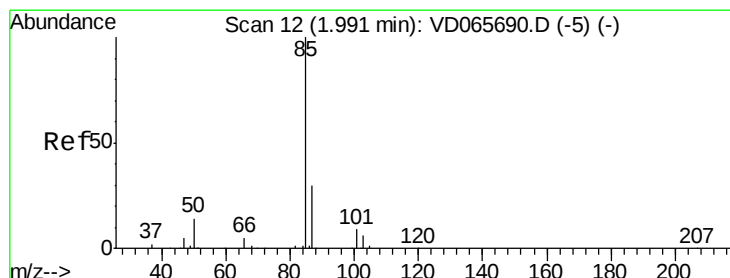
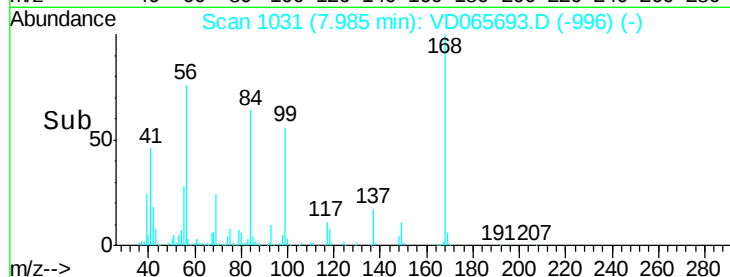
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.113 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065693.D

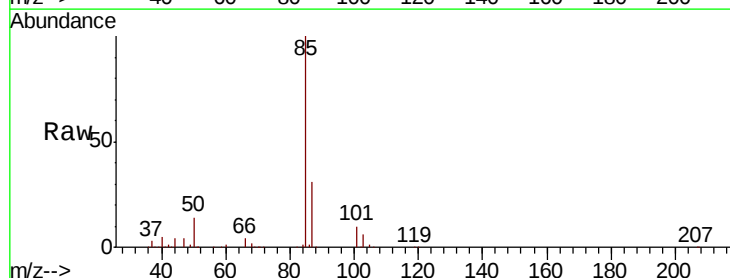
Acq: 01 May 2020 21:56

Tgt Ion: 85 Resp: 148699

Ion Ratio Lower Upper

85 100

87 31.0 14.9 44.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

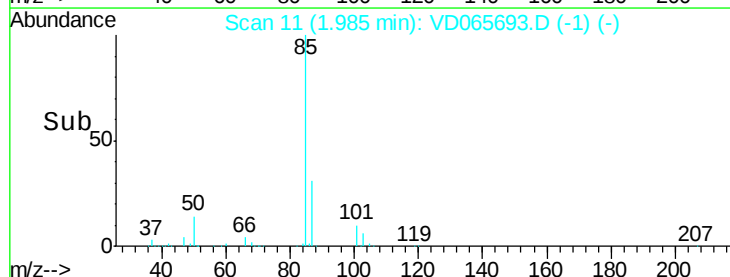
1.99

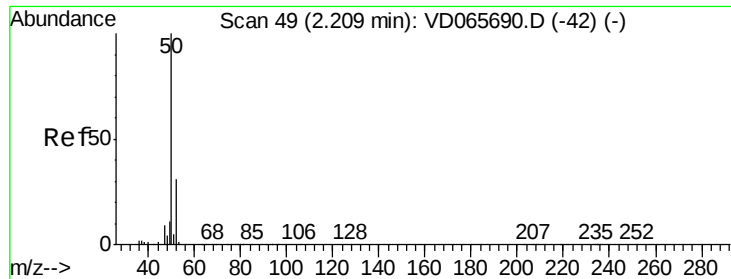
100000

50000

0

Time-->





#3

Chloromethane

Concen: 50.925 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

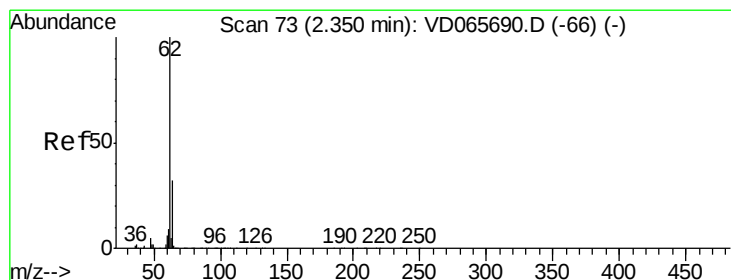
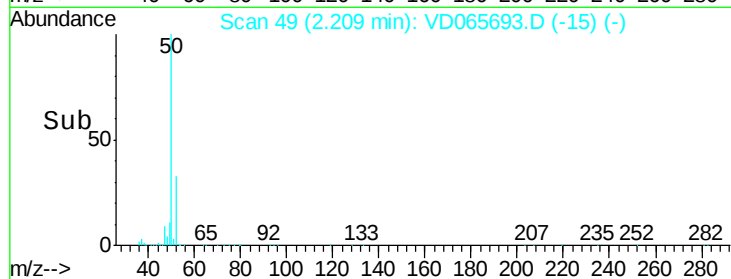
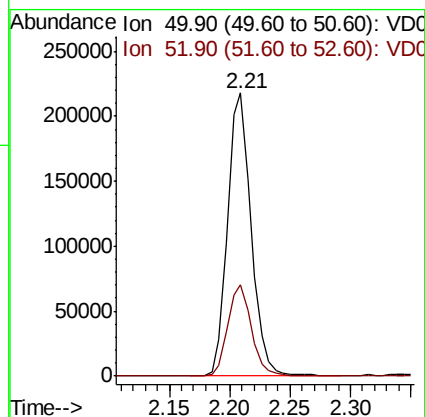
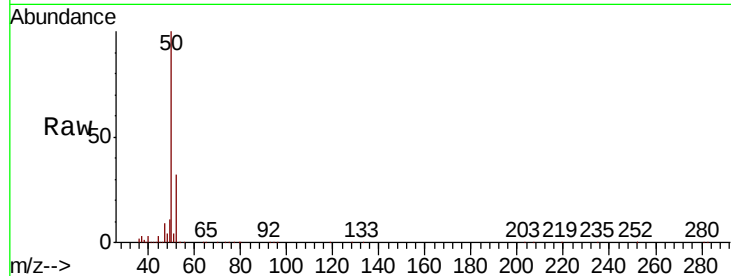
ClientSampleId :

Tot Ion: 50 Resp: 294952

Ion Ratio Lower Upper

50 100

52 32.3 25.2 37.8



#4

Vinyl Chloride

Concen: 45.648 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065693.D

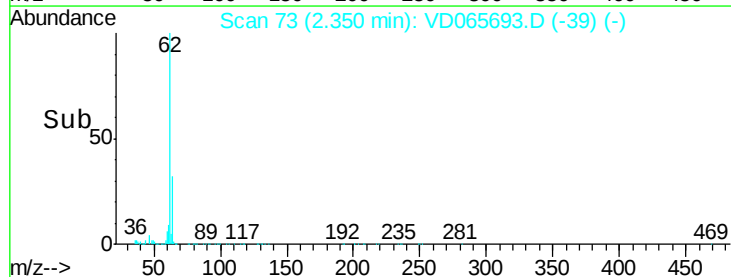
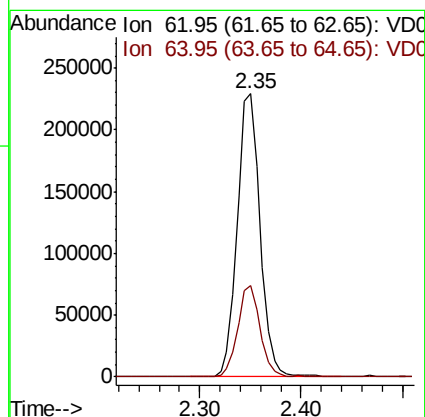
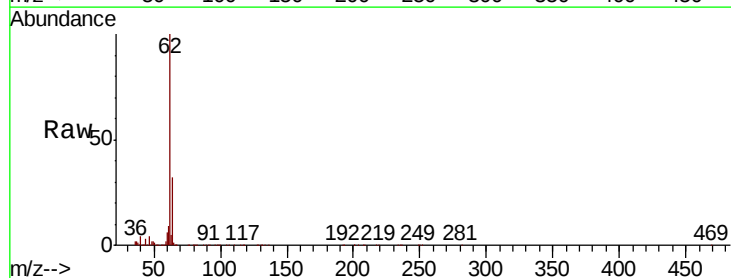
Acq: 01 May 2020 21:56

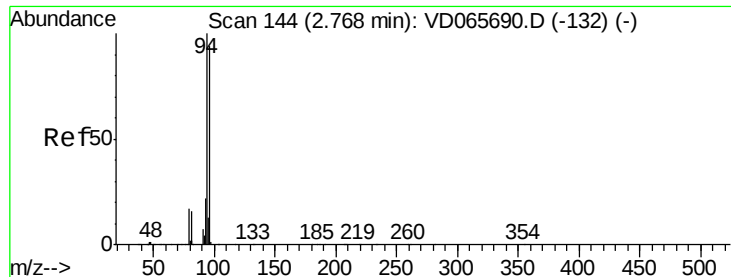
Tgt Ion: 62 Resp: 359571

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 52.770 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

ClientSampled :

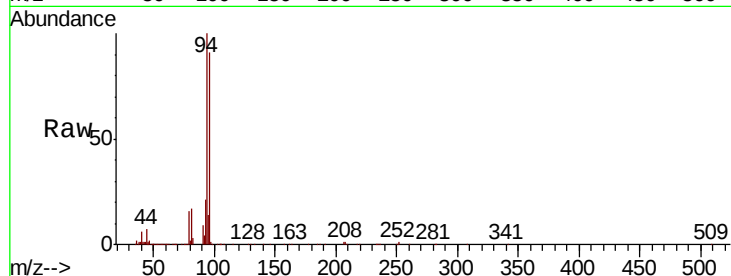
Tot Ion: 94 Resp: 230848

Ion Ratio Lower Upper

94 100

96 91.0 75.1 112.7

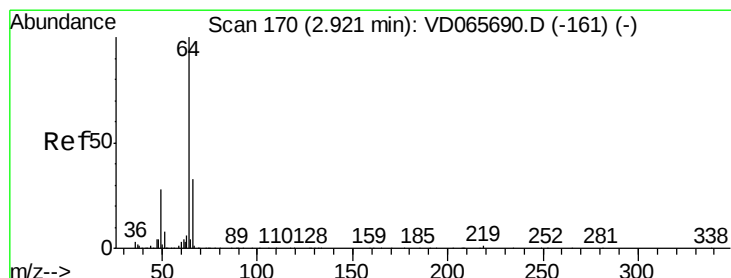
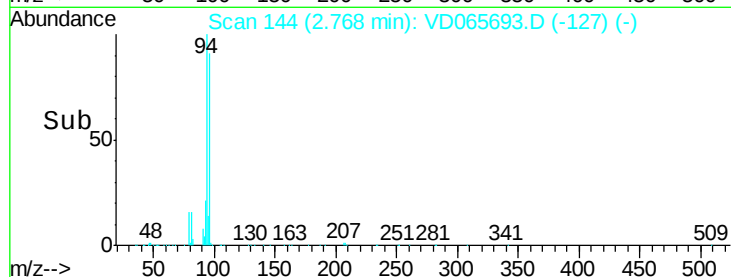
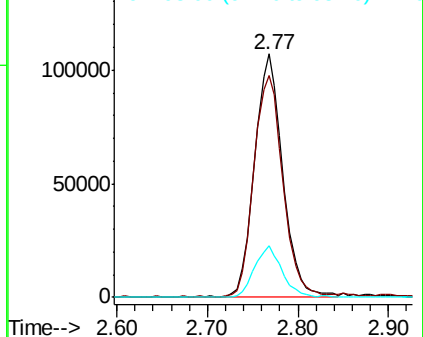
93 21.4 17.8 26.6



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 45.604 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065693.D

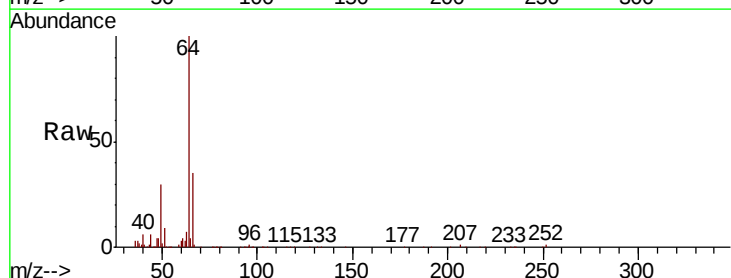
Acq: 01 May 2020 21:56

Tgt Ion: 64 Resp: 235240

Ion Ratio Lower Upper

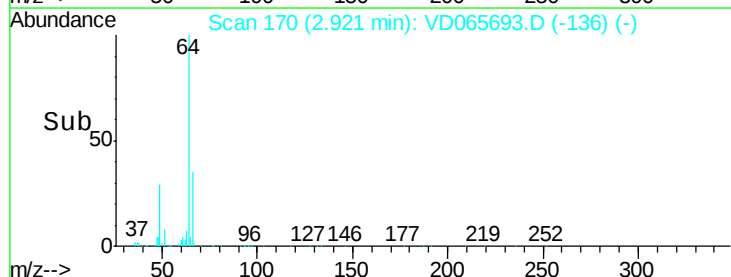
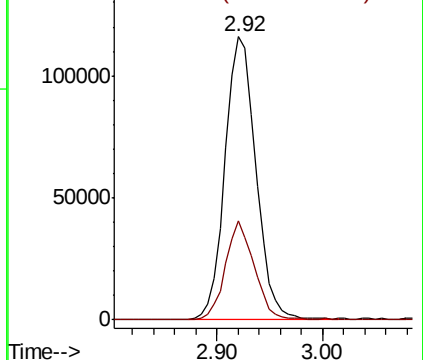
64 100

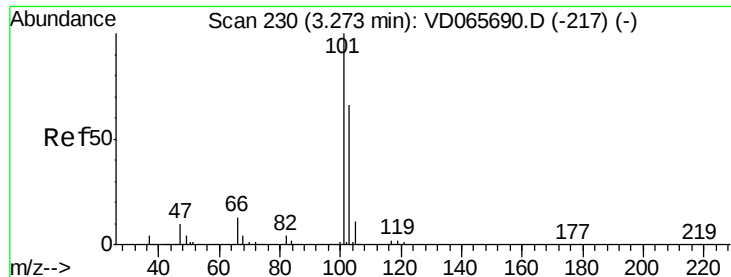
66 34.8 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



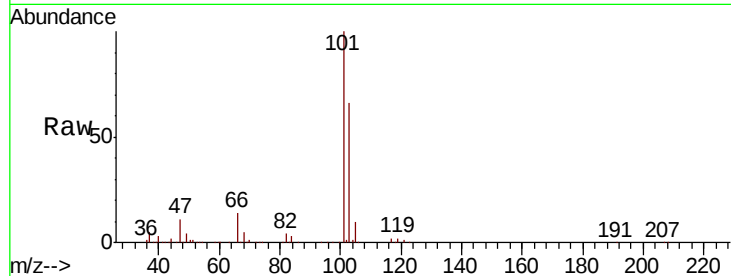


#7

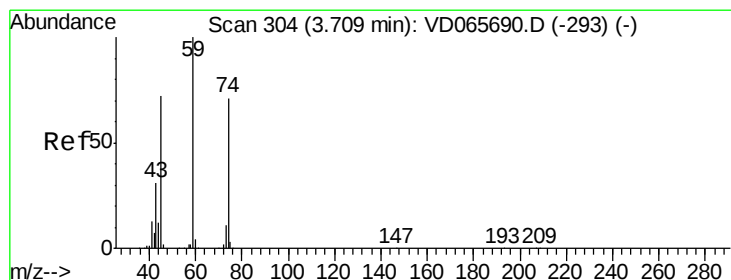
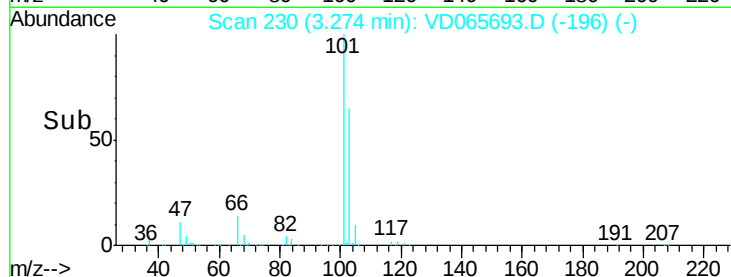
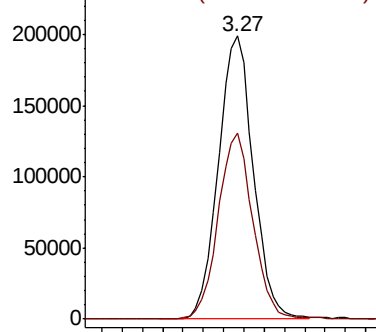
Trichlorofluoromethane
Concen: 47.777 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 476154
Ion Ratio Lower Upper
101 100
103 65.5 52.6 79.0



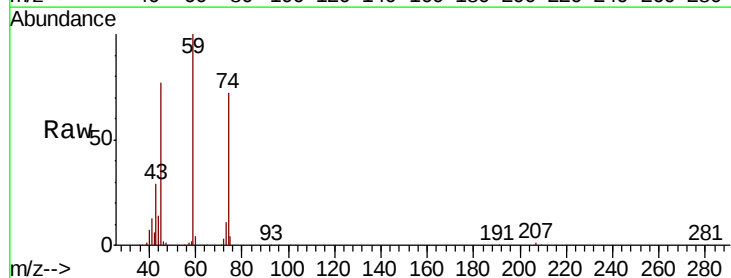
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



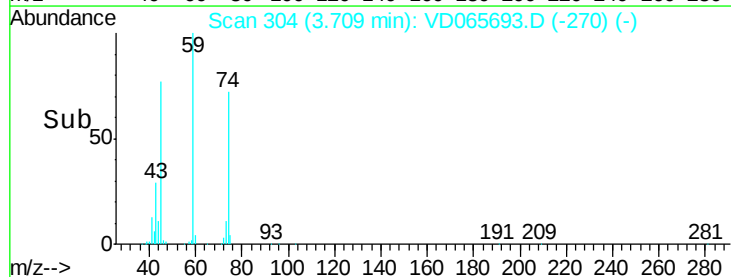
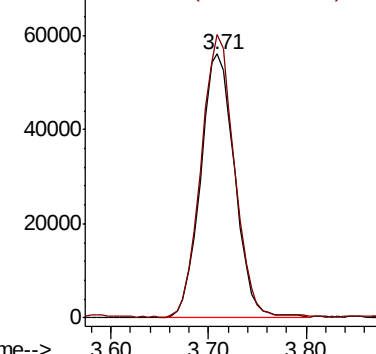
#8

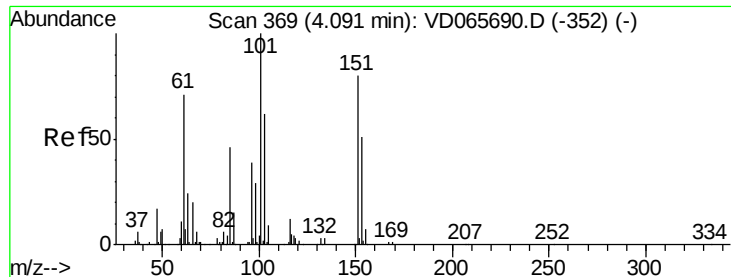
Diethyl Ether
Concen: 52.178 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion: 74 Resp: 136017
Ion Ratio Lower Upper
74 100
45 107.4 50.8 152.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.760 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

ClientSampled :

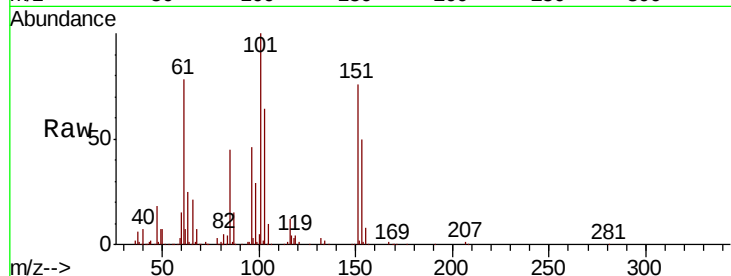
Tot Ion:101 Resp: 286823

Ion Ratio Lower Upper

101 100

85 44.9 36.7 55.1

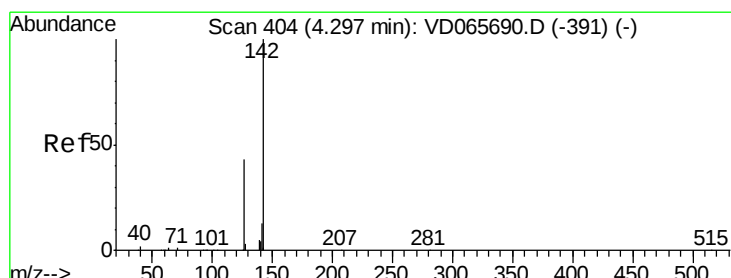
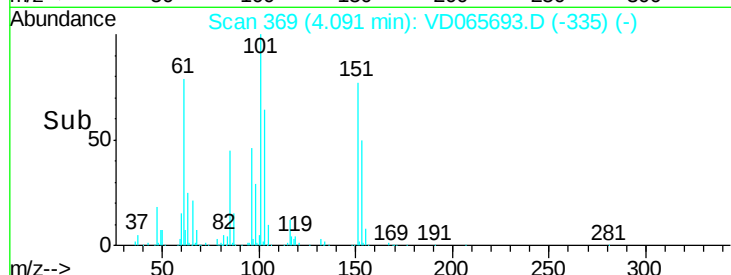
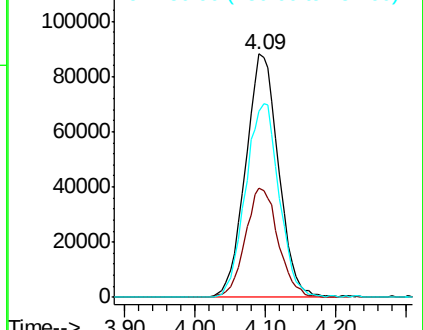
151 76.4 63.8 95.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 56.875 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

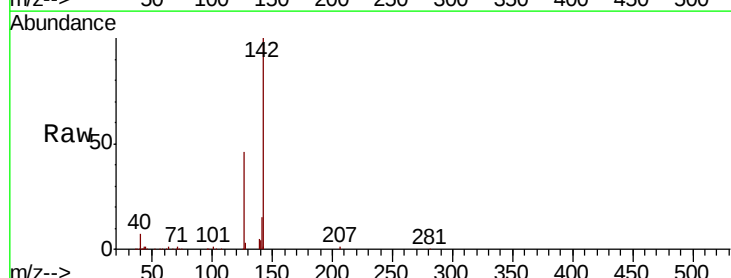
Tgt Ion:142 Resp: 294781

Ion Ratio Lower Upper

142 100

127 45.5 34.3 51.5

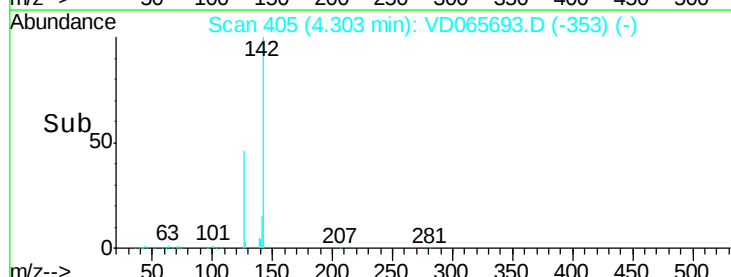
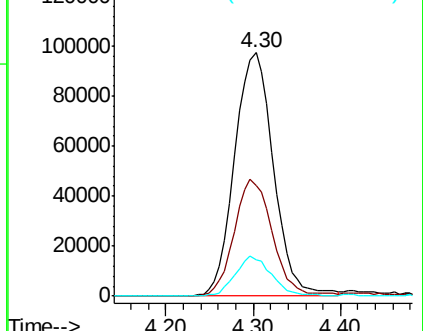
141 15.0 10.3 15.5

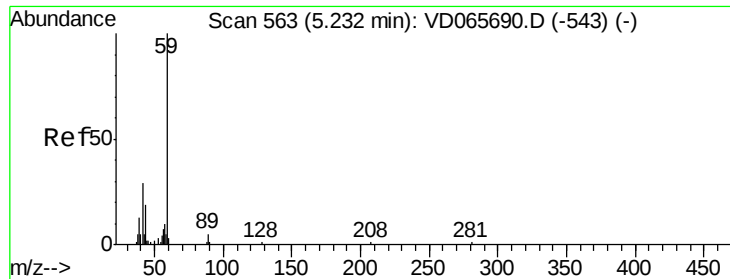


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

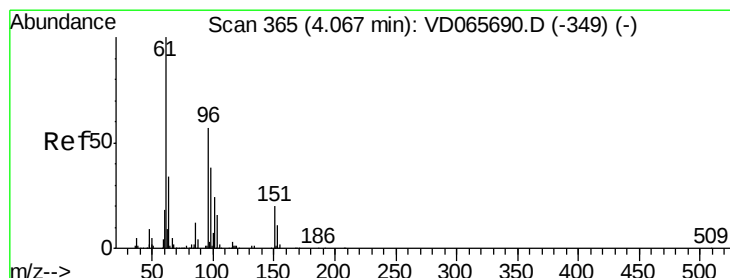
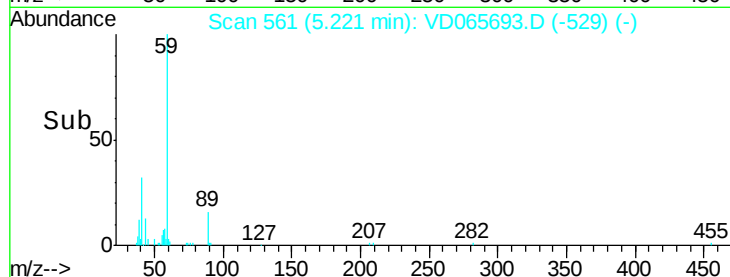
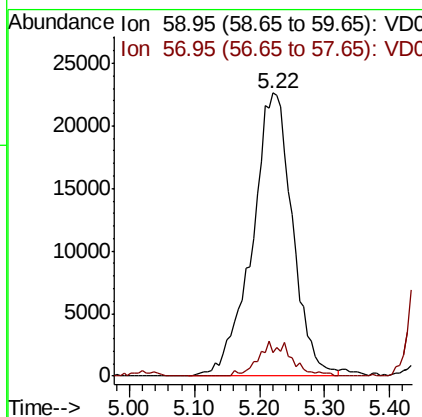
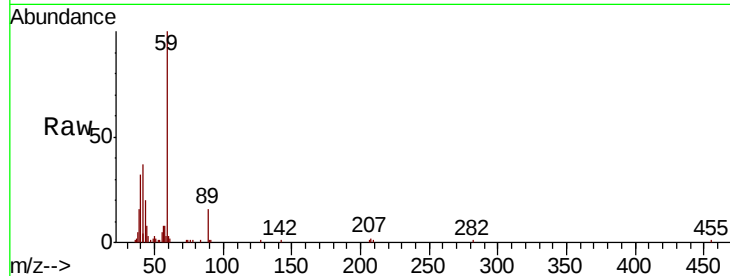




#11
Tert butyl alcohol
Concen: 272.933 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

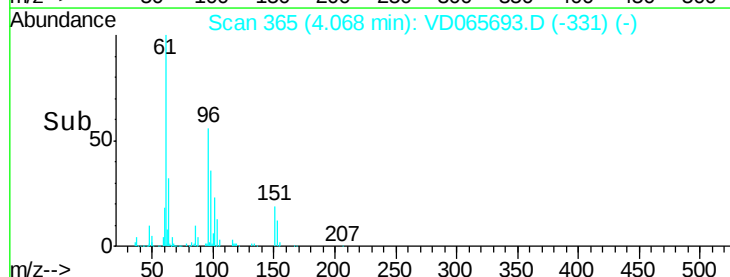
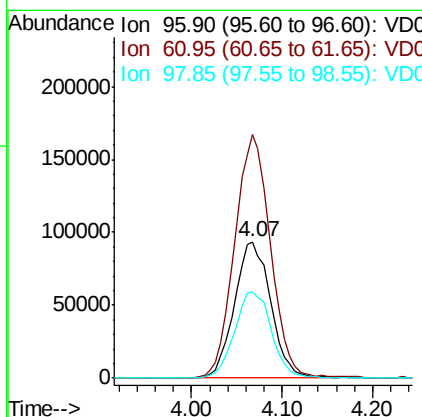
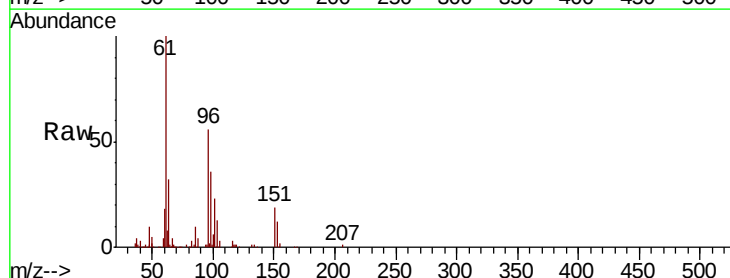
Instrument :
MSVOA_D
ClientSampled :

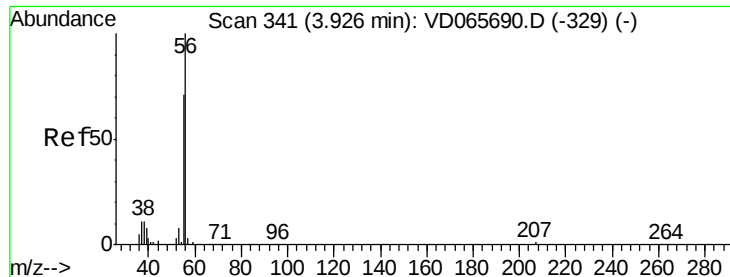
Tot Ion: 59 Resp: 97273
Ion Ratio Lower Upper
59 100
57 8.5 8.2 12.4



#12
1,1-Dichloroethene
Concen: 50.713 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion: 96 Resp: 261343
Ion Ratio Lower Upper
96 100
61 178.7 140.4 210.6
98 63.7 53.4 80.2





#13

Acrolein

Concen: 270.487 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

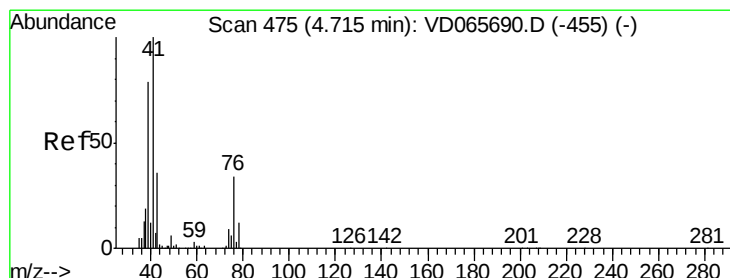
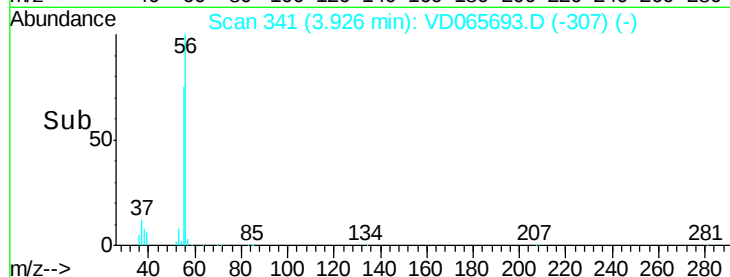
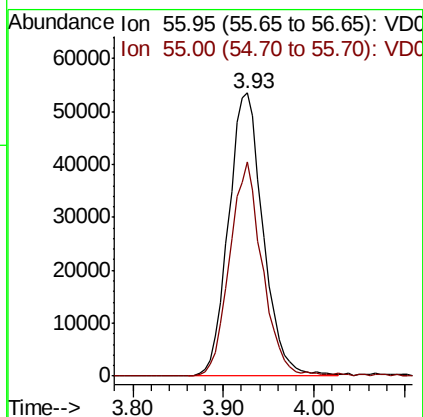
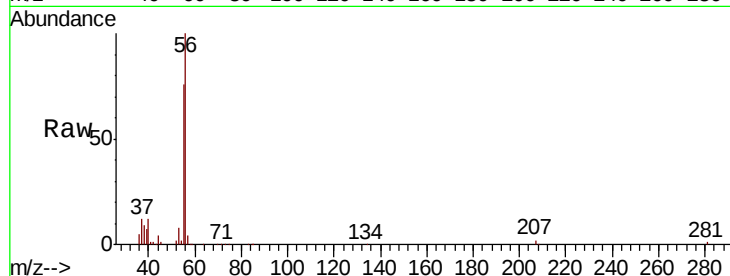
ClientSampleId :

Tot Ion: 56 Resp: 142123

Ion Ratio Lower Upper

56 100

55 75.6 56.8 85.2



#14

Allyl chloride

Concen: 53.386 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

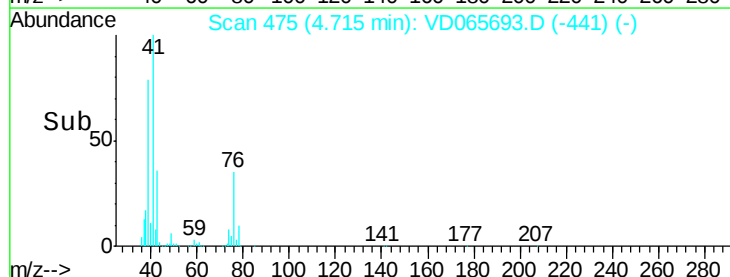
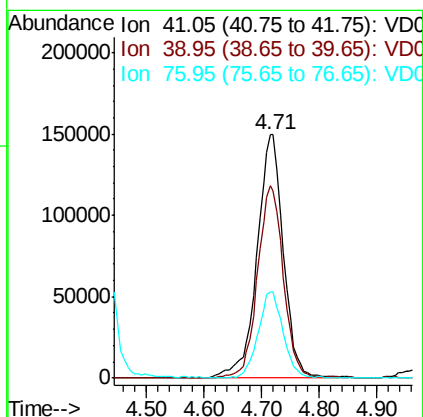
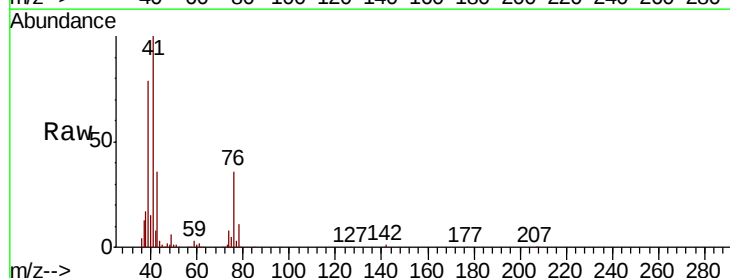
Tgt Ion: 41 Resp: 476399

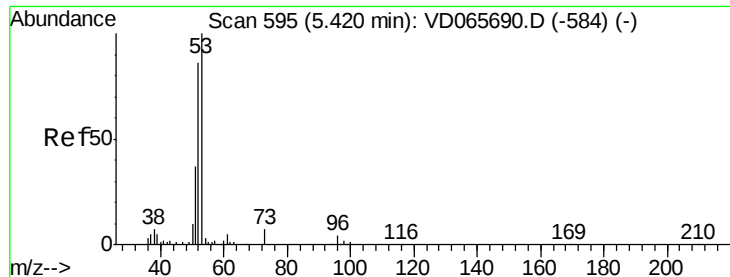
Ion Ratio Lower Upper

41 100

39 79.0 63.6 95.4

76 35.6 27.4 41.0

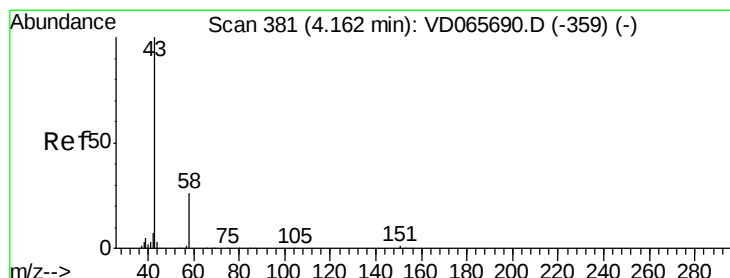
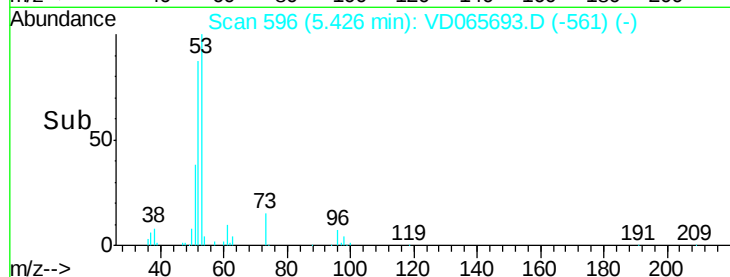
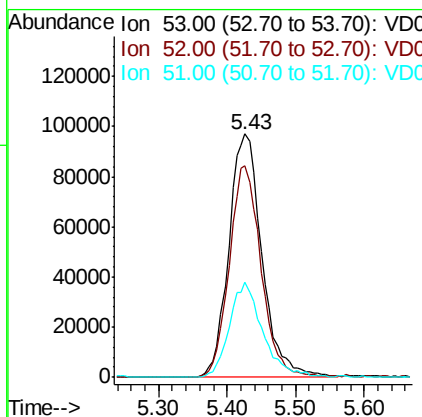
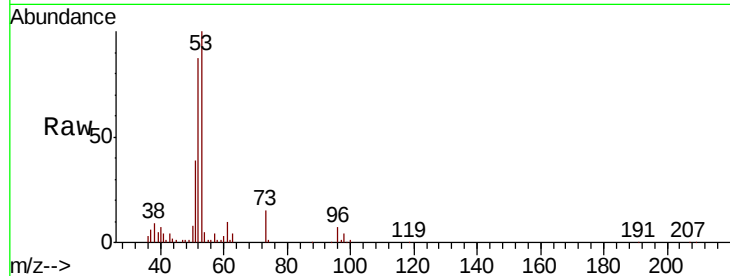




#15
 Acrylonitrile
 Concen: 258.934 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

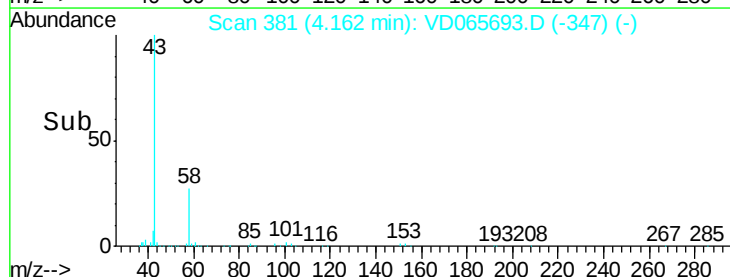
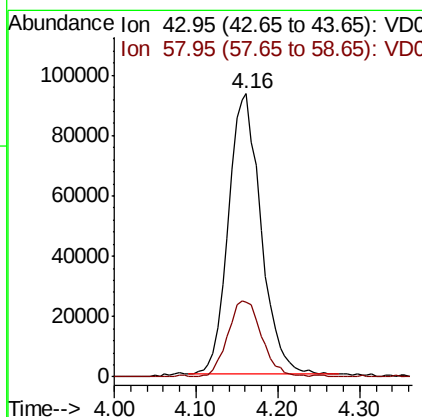
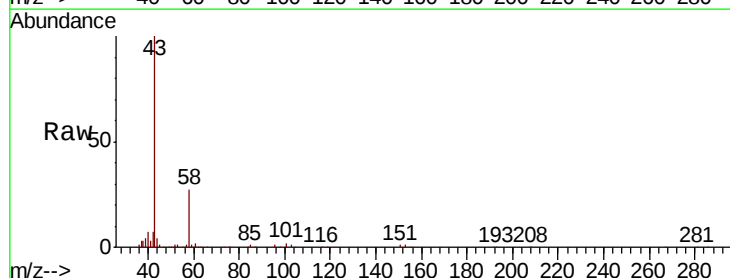
Instrument :
 MSVOA_D
 ClientSampleId :

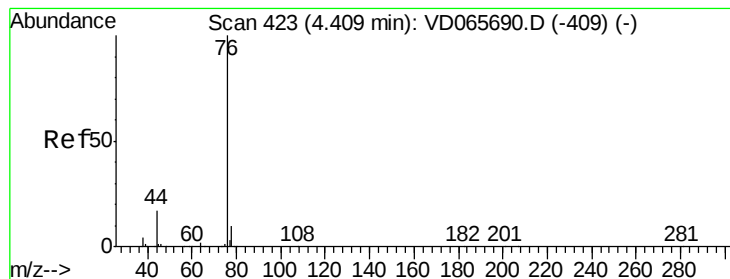
Tot Ion: 53 Resp: 324883
 Ion Ratio Lower Upper
 53 100
 52 87.1 69.3 103.9
 51 38.9 29.8 44.6



#16
 Acetone
 Concen: 225.415 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

Tgt Ion: 43 Resp: 257773
 Ion Ratio Lower Upper
 43 100
 58 26.6 21.0 31.6





#17

Carbon Disulfide

Concen: 48.484 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

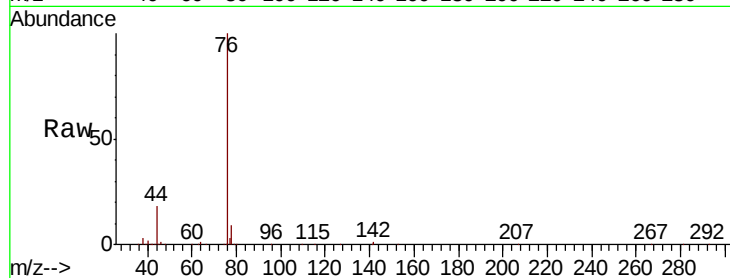
ClientSampleId :

Tot Ion: 76 Resp: 838295

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

4.41

300000

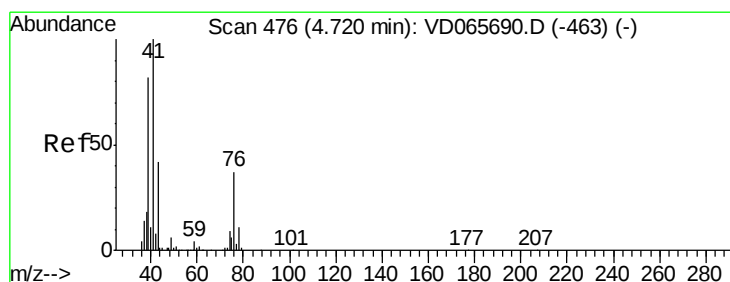
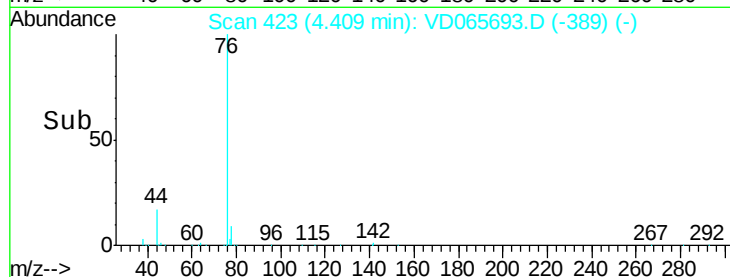
200000

100000

0

Time-->

4.30 4.40 4.50



#18

Methyl Acetate

Concen: 48.685 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065693.D

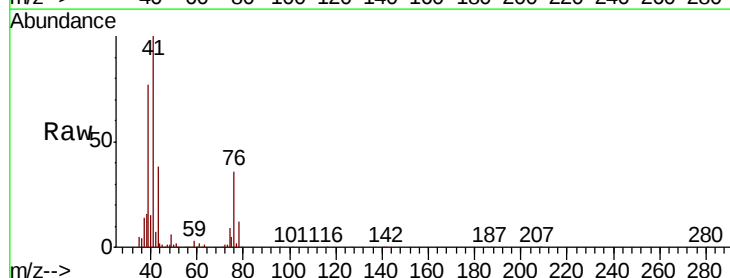
Acq: 01 May 2020 21:56

Tgt Ion: 43 Resp: 171836

Ion Ratio Lower Upper

43 100

74 22.4 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

60000

50000

40000

30000

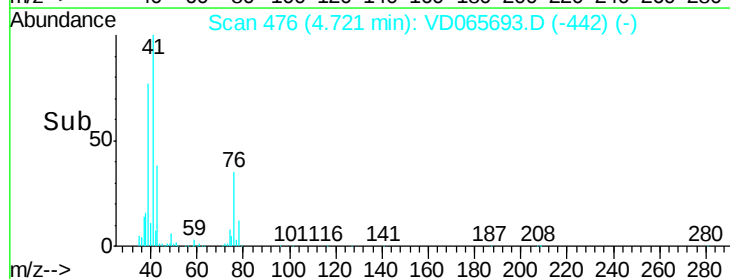
20000

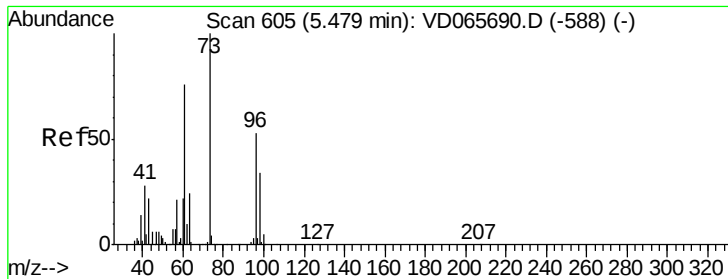
10000

0

Time-->

4.60 4.70 4.80 4.90

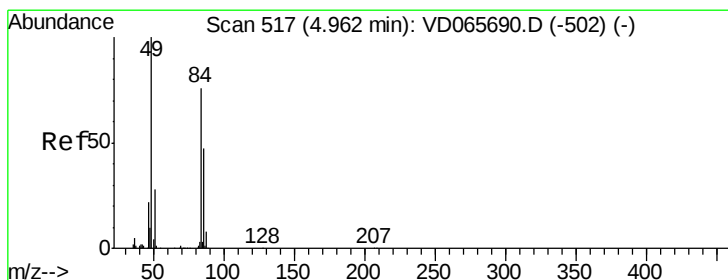
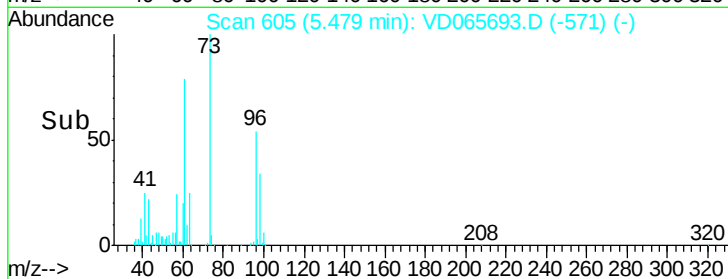
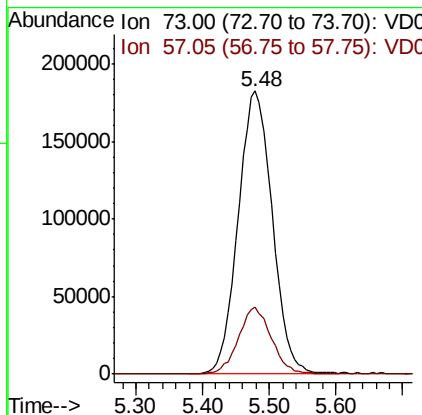
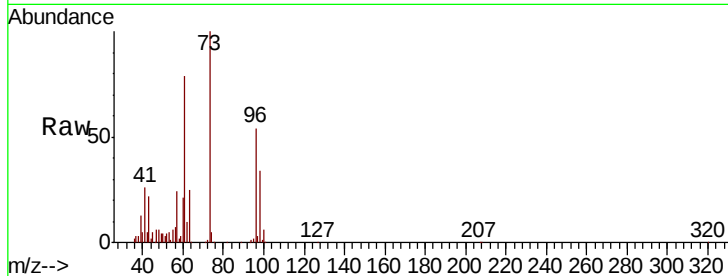




#19
Methyl tert-butyl Ether
Concen: 55.567 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

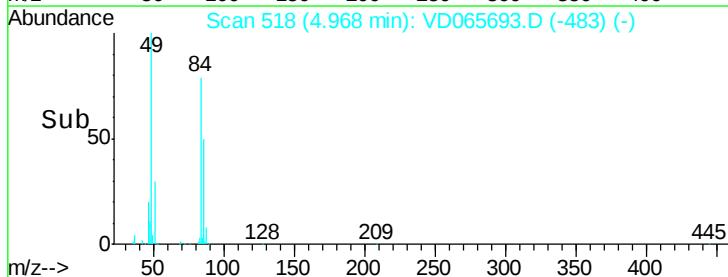
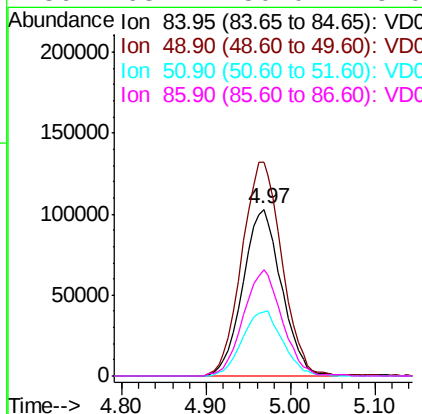
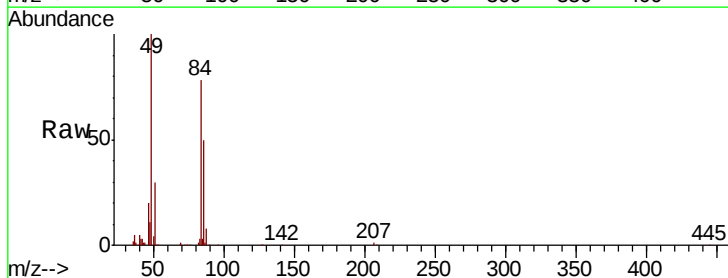
Instrument :
MSVOA_D
ClientSampleId :

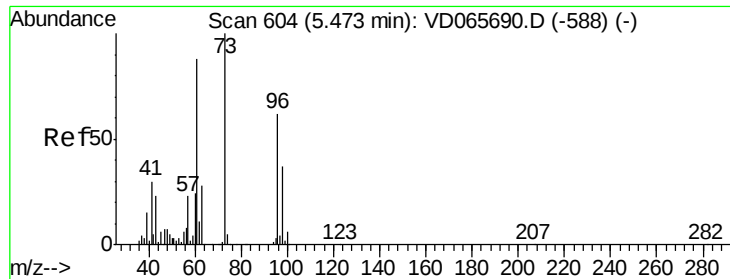
Tot Ion: 73 Resp: 643554
Ion Ratio Lower Upper
73 100
57 23.8 16.8 25.2



#20
Methylene Chloride
Concen: 51.368 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion: 84 Resp: 327970
Ion Ratio Lower Upper
84 100
49 128.1 105.8 158.6
51 38.4 29.4 44.2
86 63.4 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 50.671 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

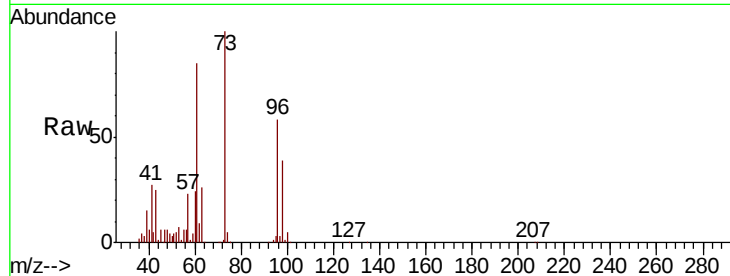
Tot Ion: 96 Resp: 317651

Ion Ratio Lower Upper

96 100

61 148.0 114.8 172.2

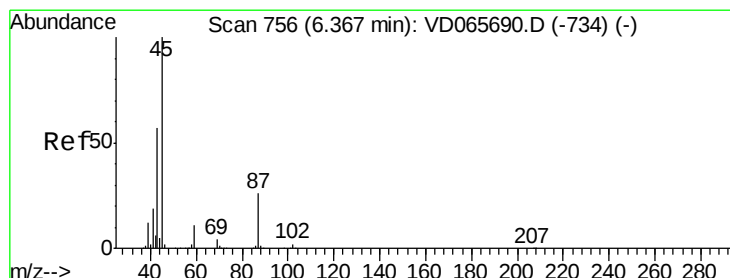
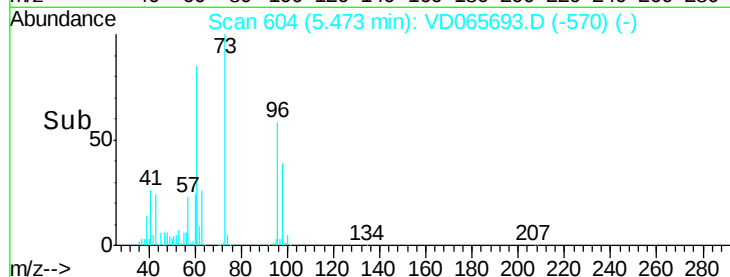
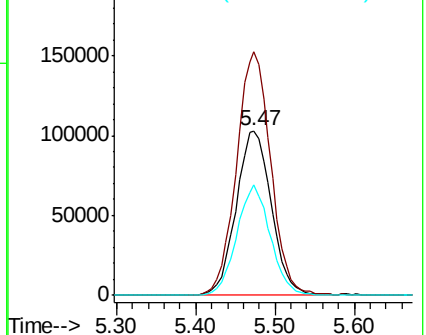
98 67.2 47.9 71.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 55.405 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Tgt Ion: 45 Resp: 1000008

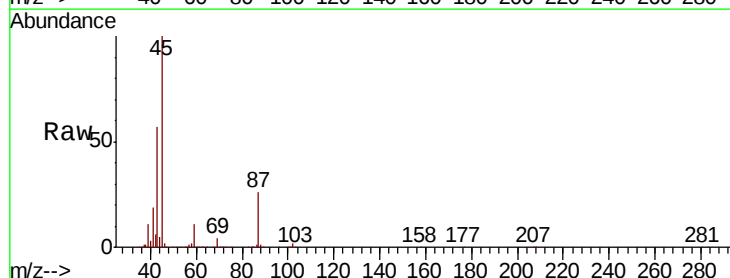
Ion Ratio Lower Upper

45 100

43 56.5 45.8 68.6

87 26.4 20.6 31.0

59 10.9 9.2 13.8

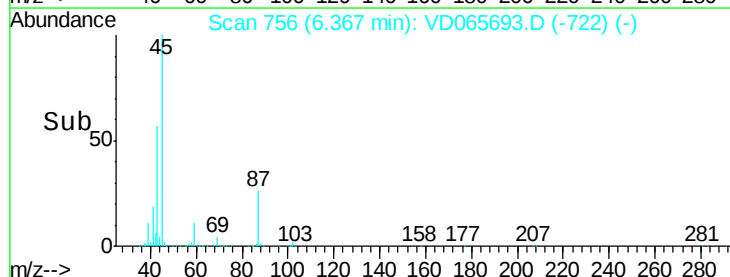
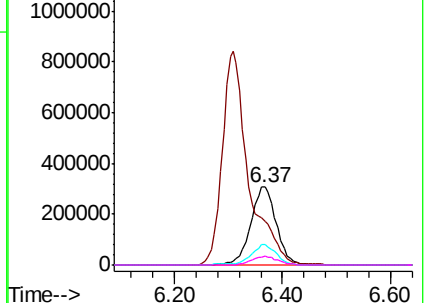


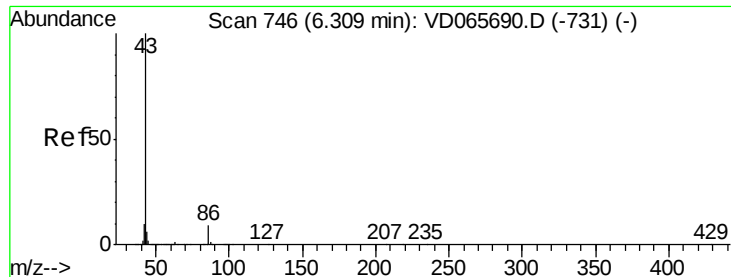
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 285.515 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

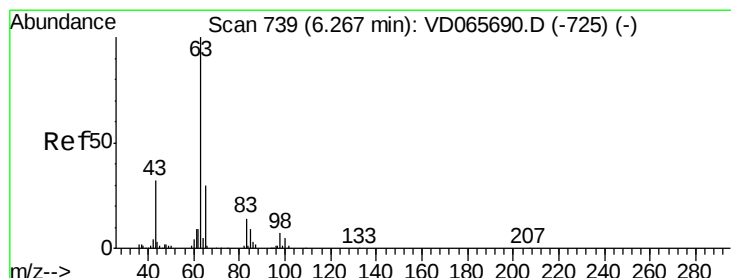
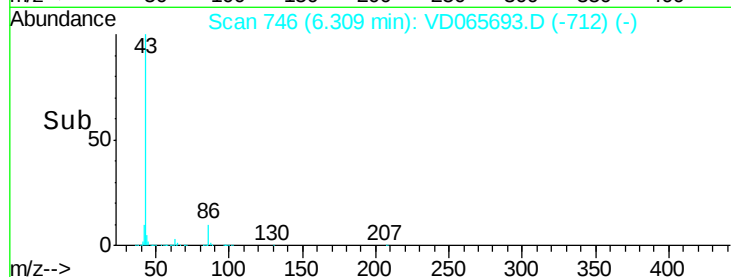
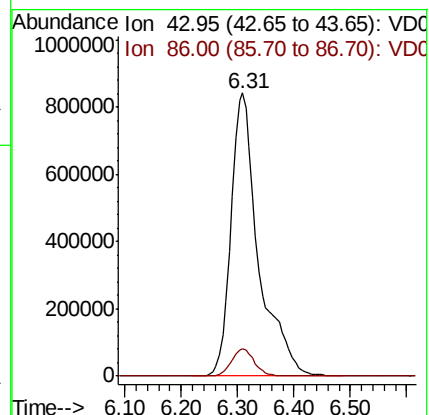
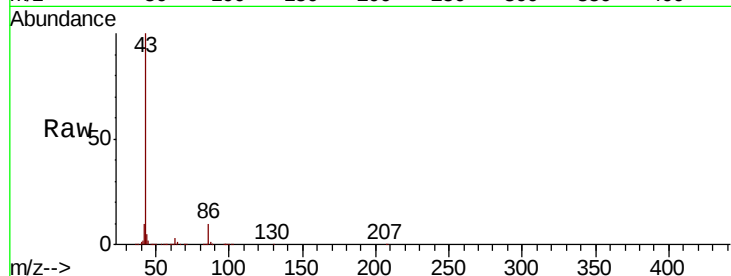
ClientSampleId :

Tot Ion: 43 Resp: 2868828

Ion Ratio Lower Upper

43 100

86 9.7 7.4 11.2



#24

1,1-Dichloroethane

Concen: 50.837 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

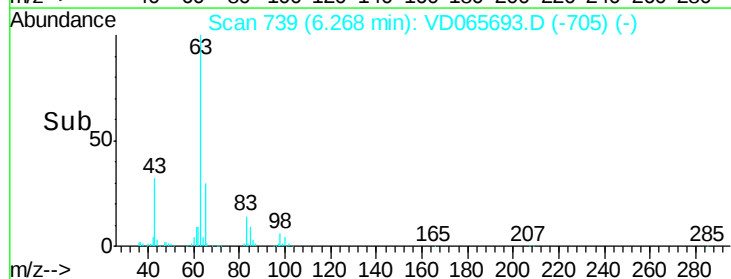
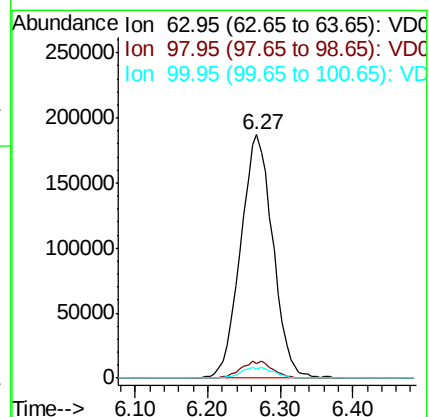
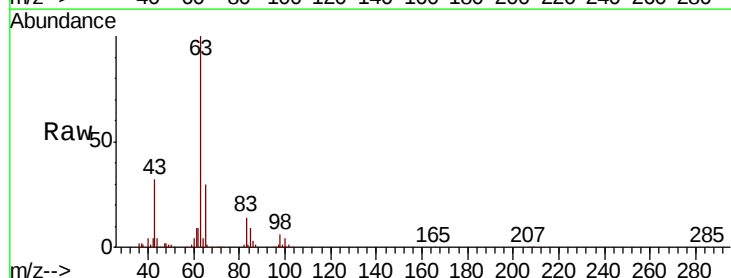
Tgt Ion: 63 Resp: 577057

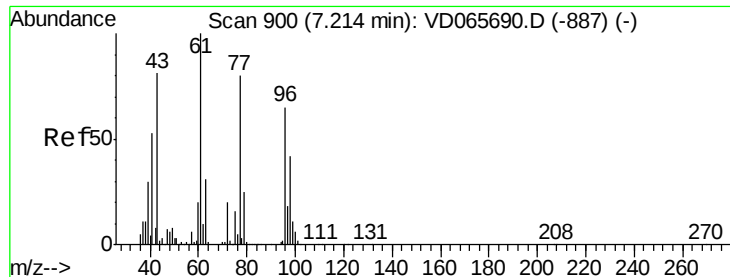
Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.1

100 3.9 2.3 6.9





#25

2-Butanone

Concen: 246.805 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

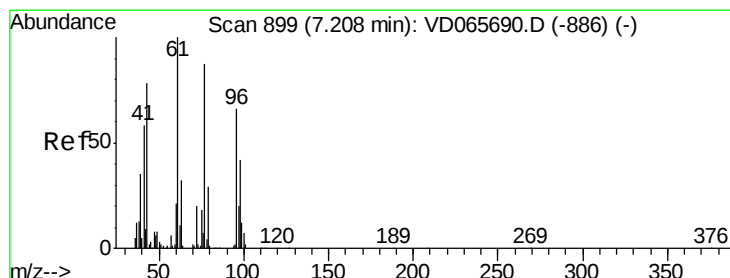
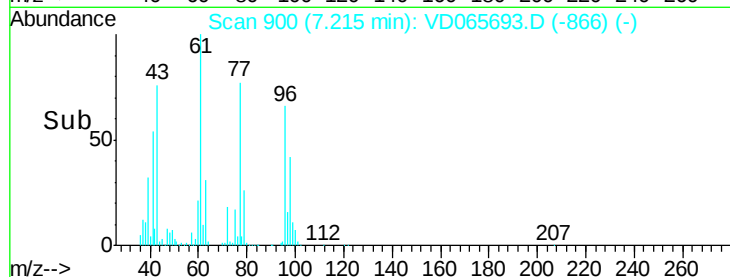
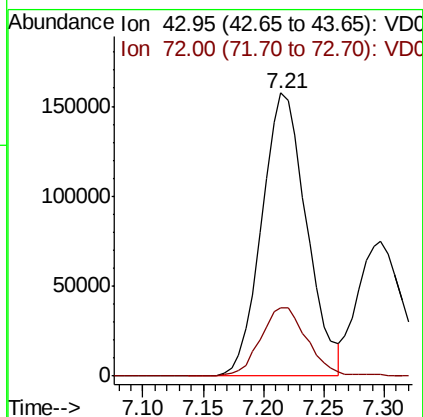
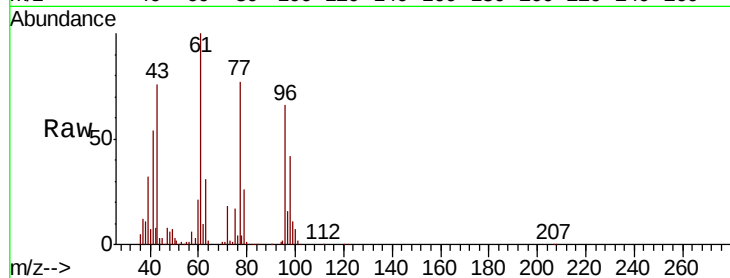
ClientSampleId :

Tot Ion: 43 Resp: 406597

Ion Ratio Lower Upper

43 100

72 24.0 19.2 28.8



#26

2,2-Dichloropropane

Concen: 48.024 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065693.D

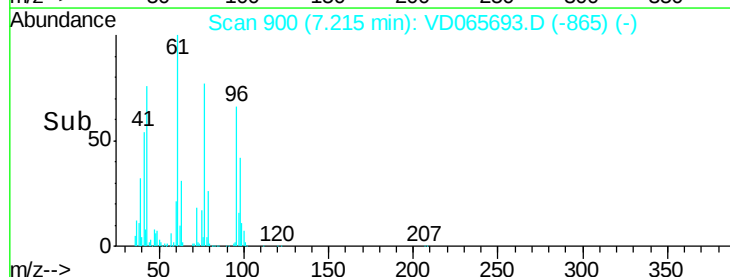
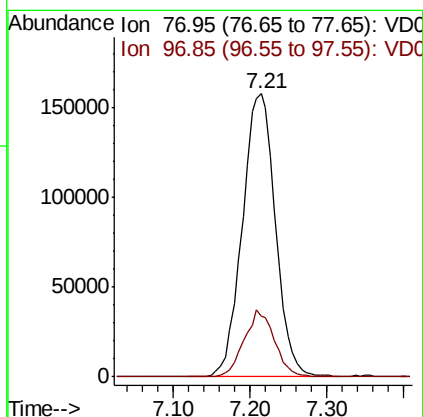
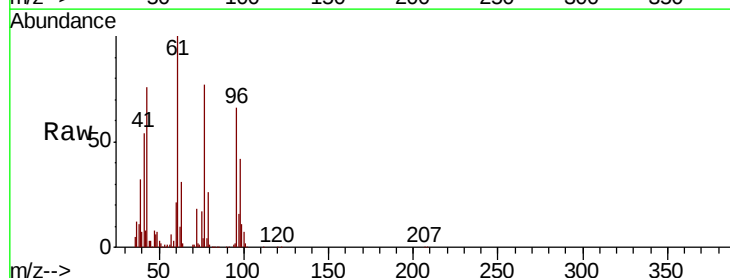
Acq: 01 May 2020 21:56

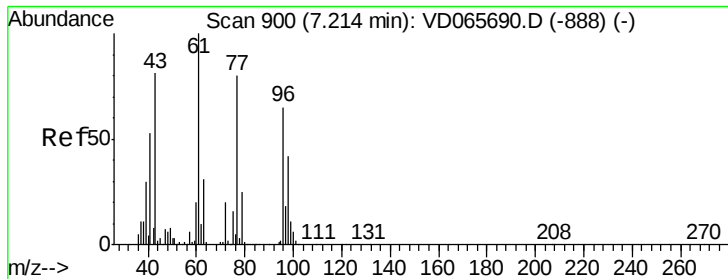
Tgt Ion: 77 Resp: 476172

Ion Ratio Lower Upper

77 100

97 21.2 11.7 35.1



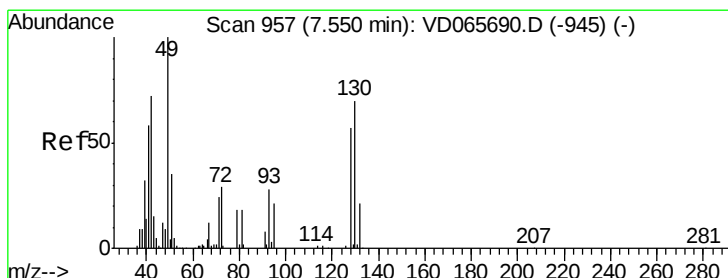
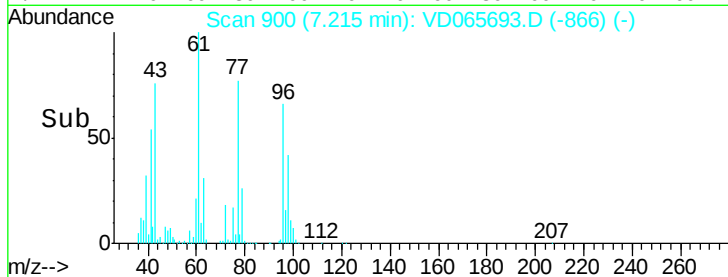
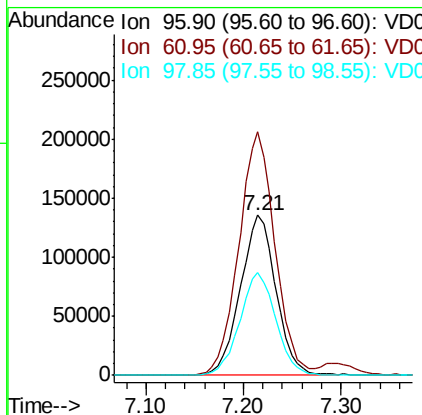
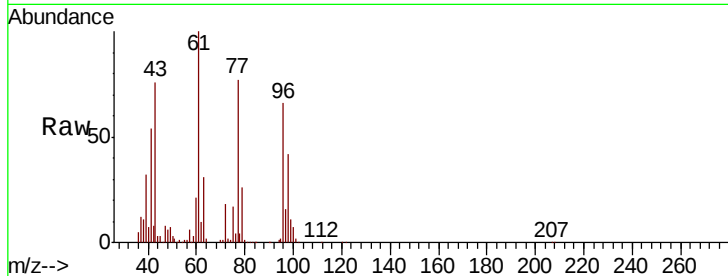


#27

cis-1,2-Dichloroethene
Concen: 52.149 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Instrument :
MSVOA_D
ClientSampled :

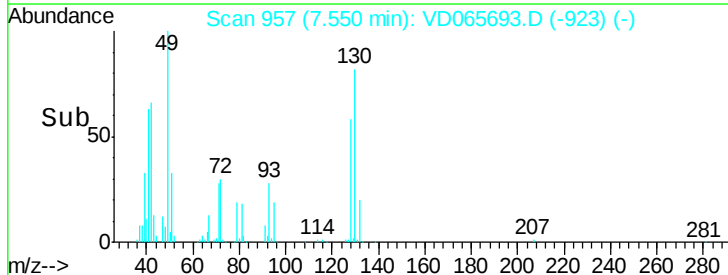
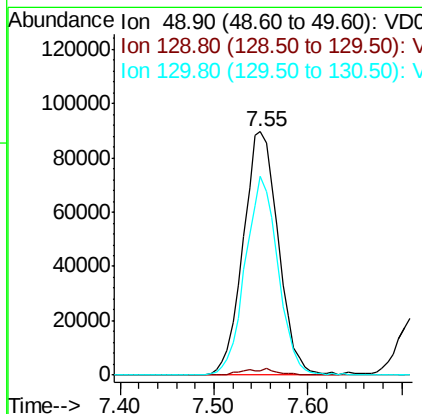
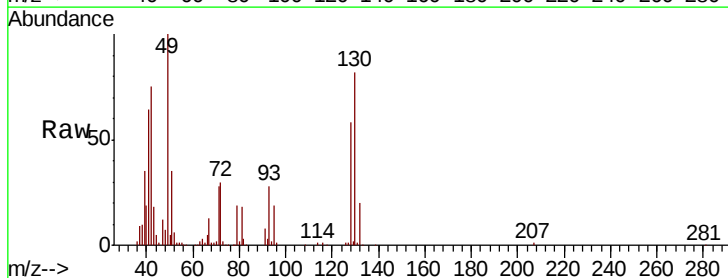
Tot Ion	96	Resp	347077
Ion Ratio	Lower	Upper	
96	100		
61	152.0	0.0	307.2
98	63.8	0.0	128.8

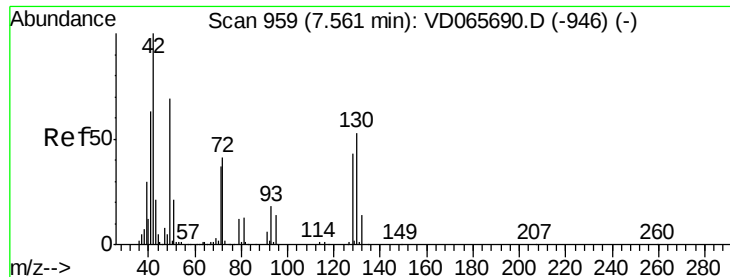


#28

Bromochloromethane
Concen: 49.474 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion	49	Resp	232442
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.8
130	81.6	55.8	83.6





#29

Tetrahydrofuran

Concen: 269.809 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

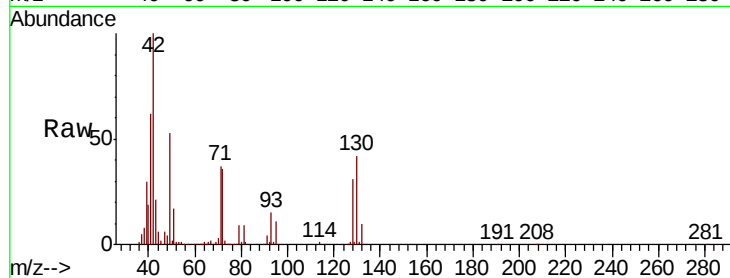
Tot Ion: 42 Resp: 275045

Ion Ratio Lower Upper

42 100

72 39.8 32.2 48.2

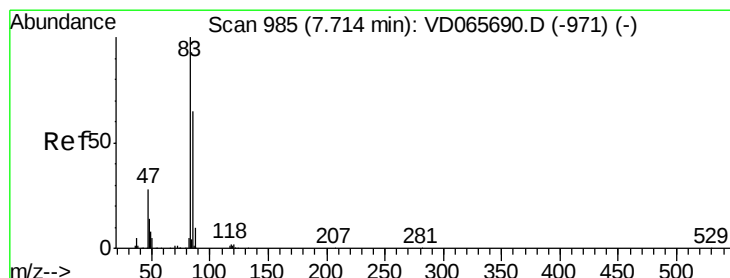
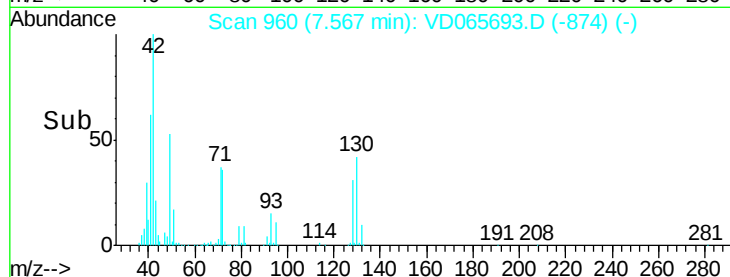
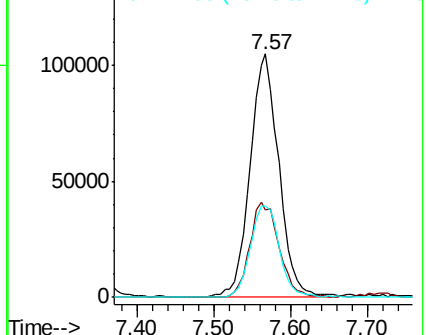
71 38.0 29.7 44.5



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: 49.567 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065693.D

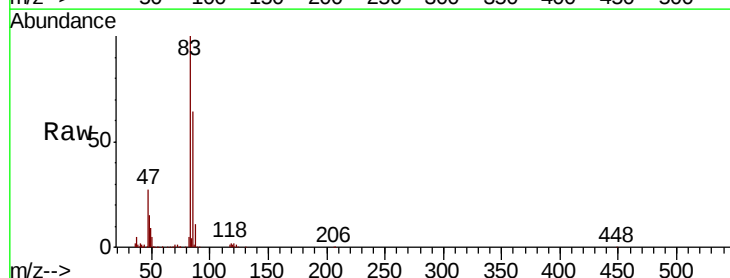
Acq: 01 May 2020 21:56

Tgt Ion: 83 Resp: 596166

Ion Ratio Lower Upper

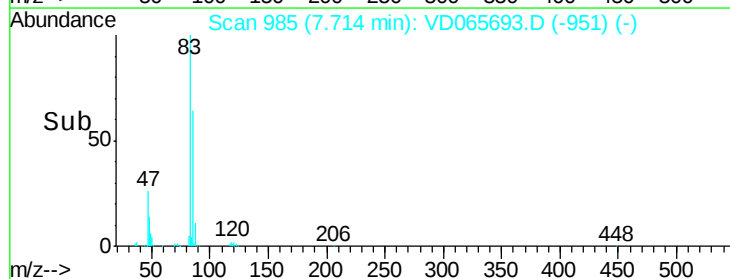
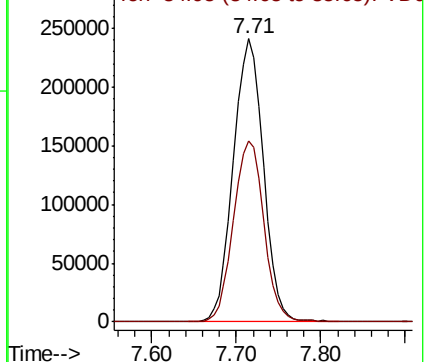
83 100

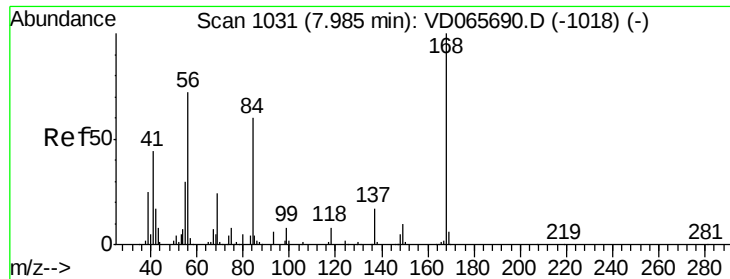
85 64.1 52.3 78.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

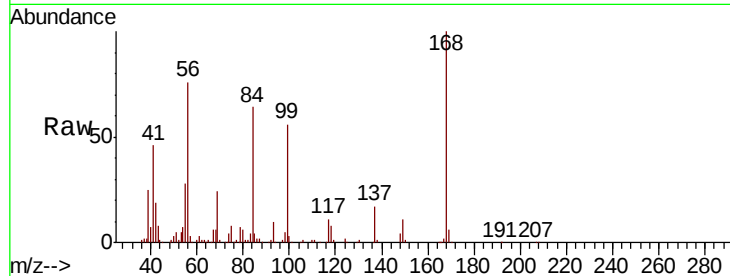




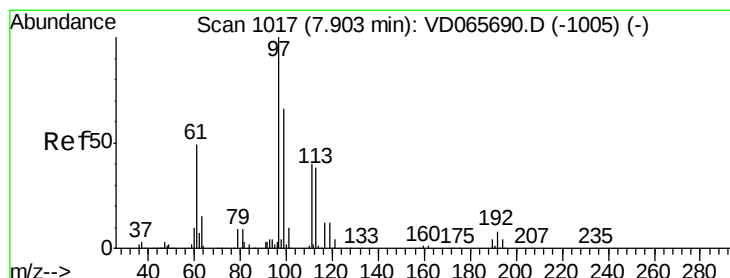
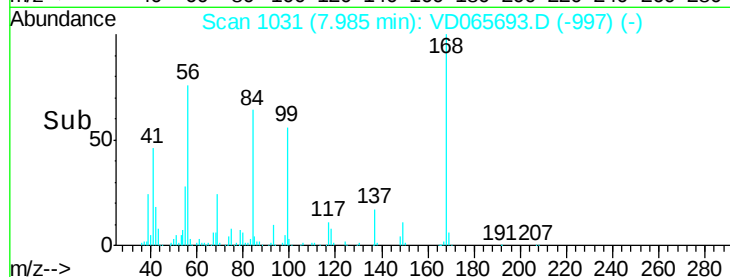
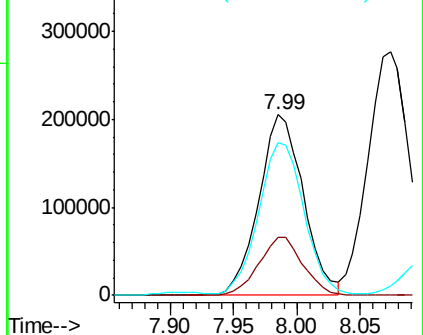
#31
Cyclohexane
Concen: 49.866 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 502438
Ion Ratio Lower Upper
56 100
69 31.9 26.2 39.4
84 84.7 67.8 101.8

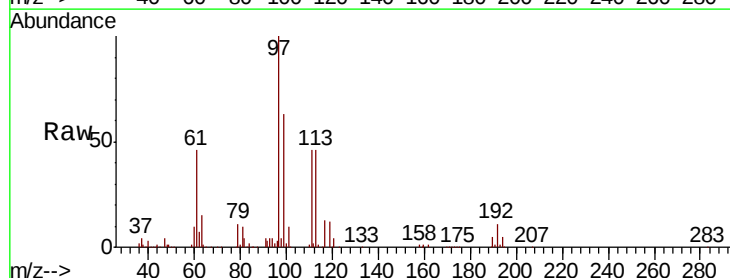


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

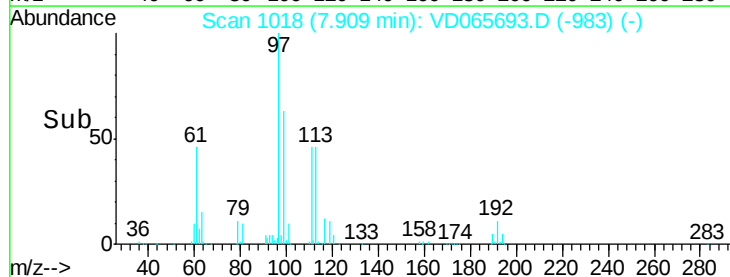
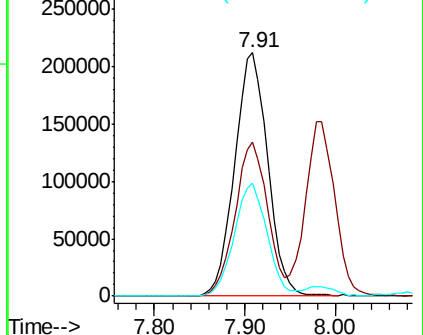


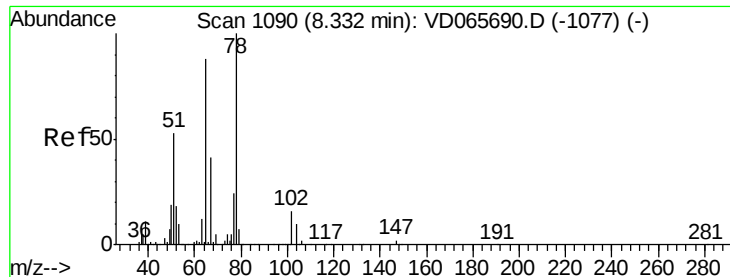
#32
1,1,1-Trichloroethane
Concen: 50.220 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion: 97 Resp: 538902
Ion Ratio Lower Upper
97 100
99 63.2 52.9 79.3
61 46.5 39.0 58.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

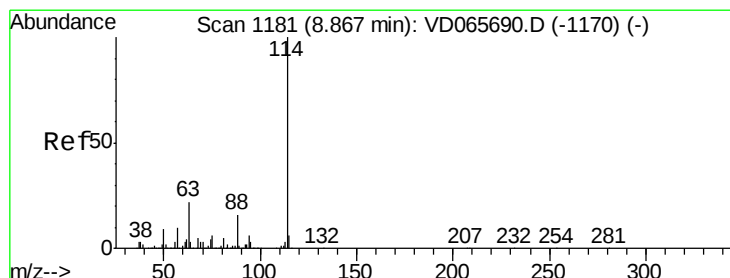
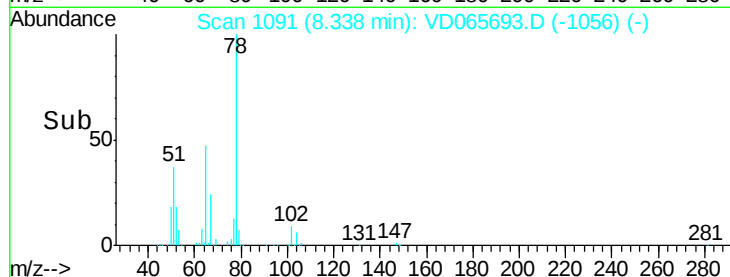
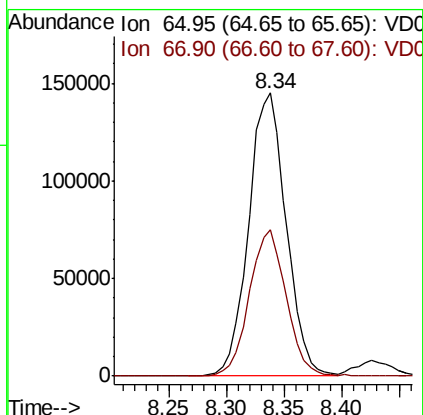
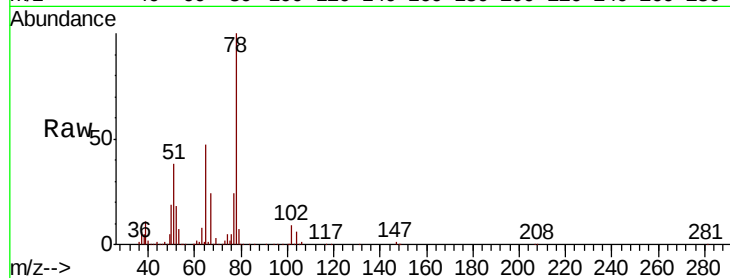




#33
 1,2-Dichloroethane-d4
 Concen: 47.707 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

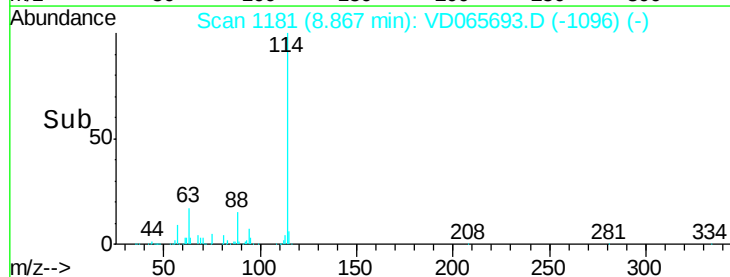
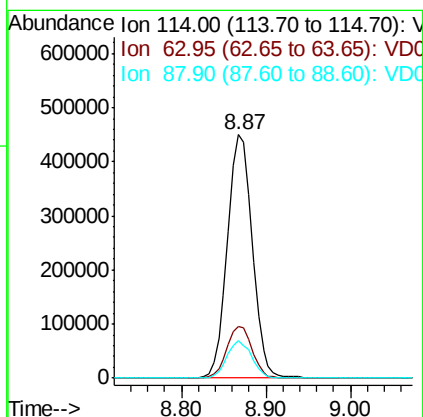
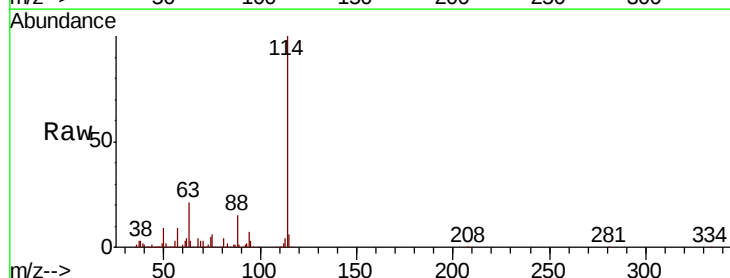
Instrument :
 MSVOA_D
 ClientSampleId :

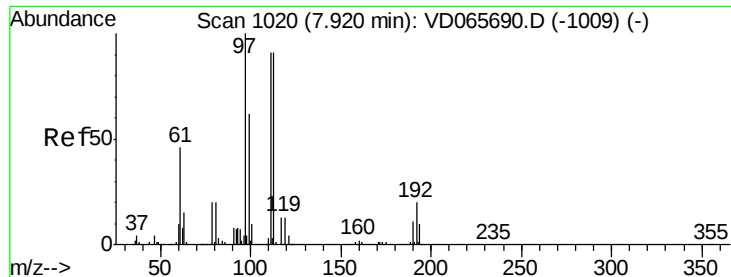
Tot Ion: 65 Resp: 328203
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 93.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

Tgt Ion: 114 Resp: 916159
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 44.0
 88 15.3 0.0 31.8

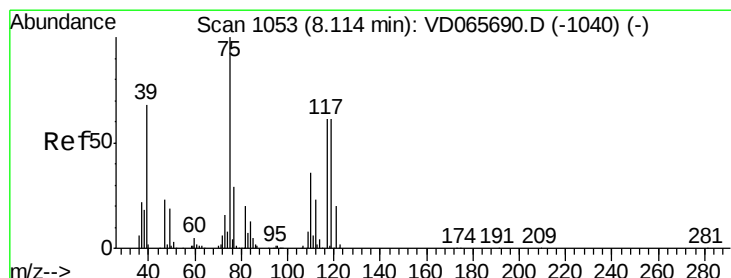
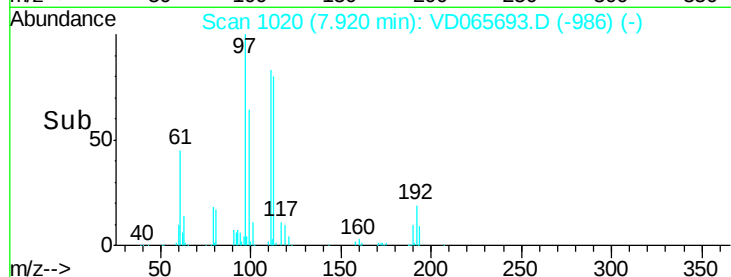
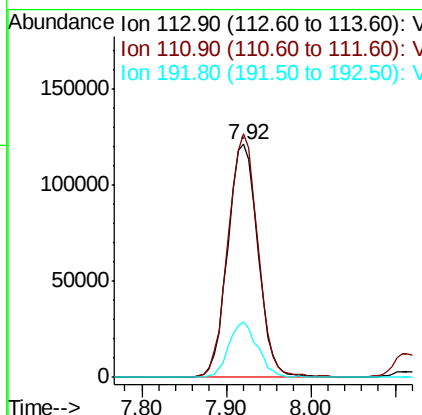
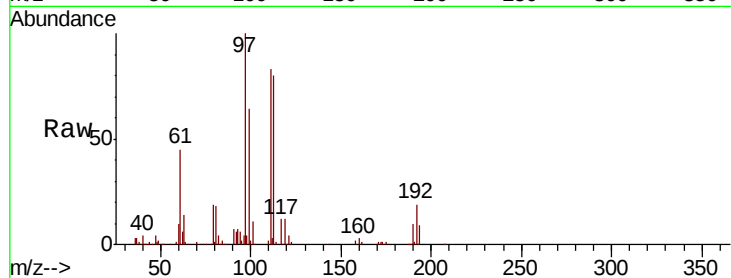




#35
 Dibromofluoromethane
 Concen: 47.475 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

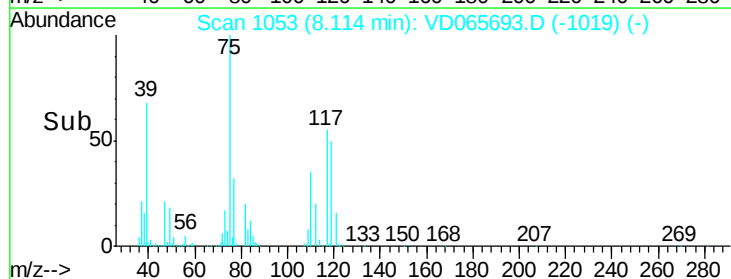
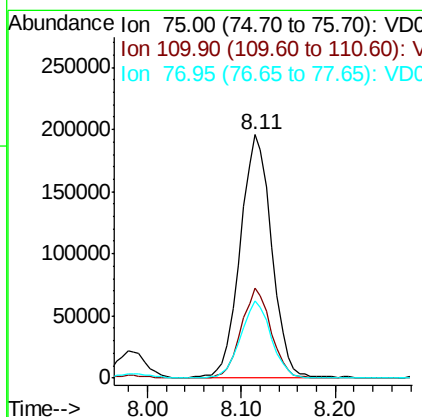
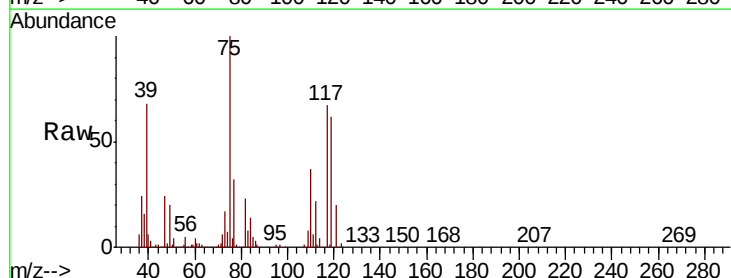
Instrument :
 MSVOA_D
 ClientSampleId :

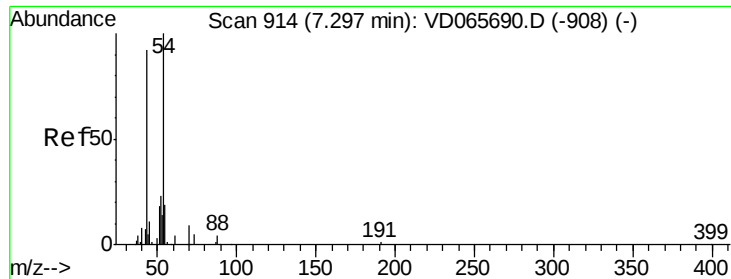
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	80.2	120.4
192	24.0	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 49.706 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.0	54.0
77	31.8	23.5	35.3

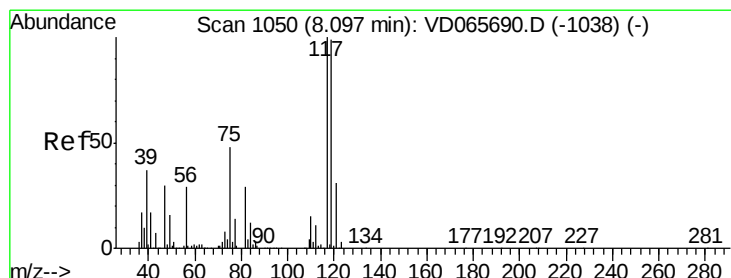
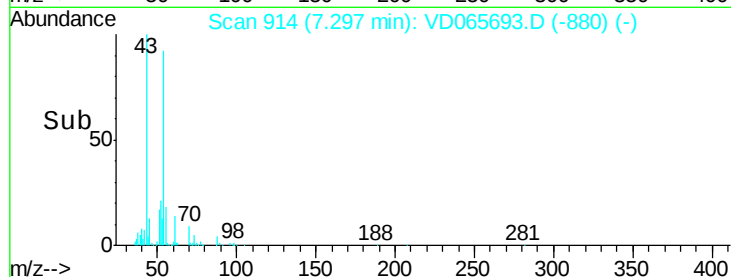
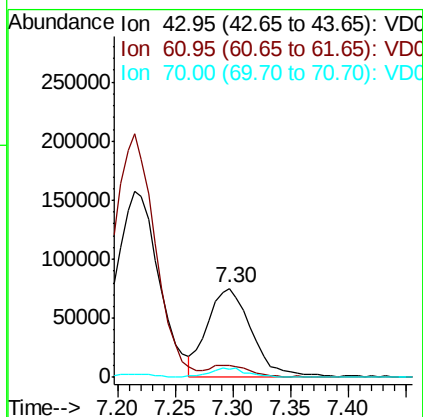
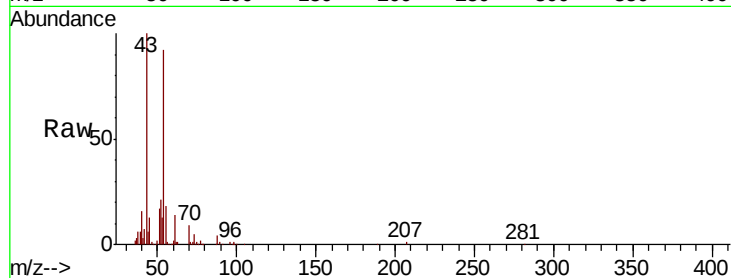




#37
Ethyl Acetate
Concen: 50.760 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

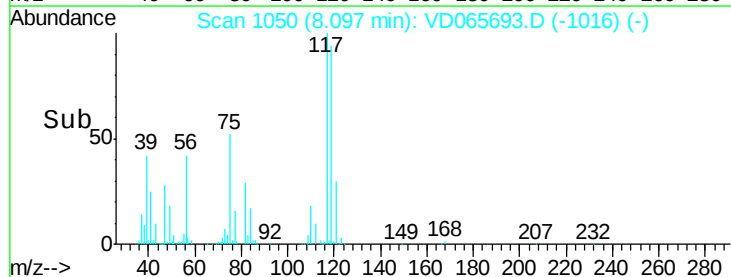
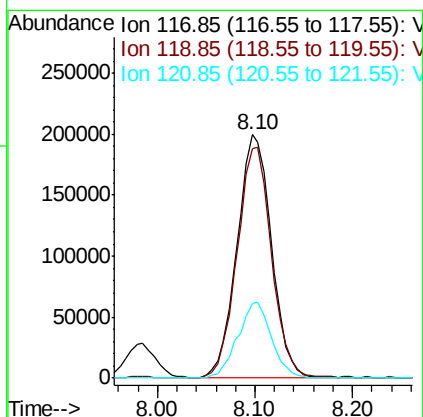
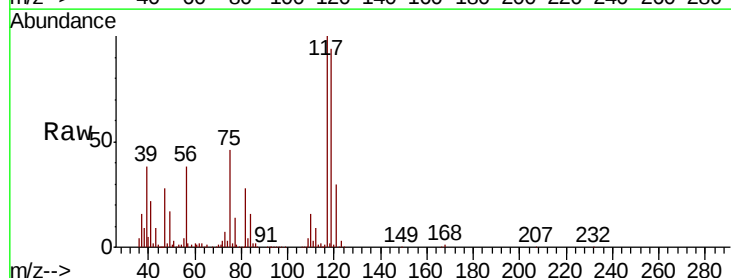
Instrument :
MSVOA_D
ClientSampled :

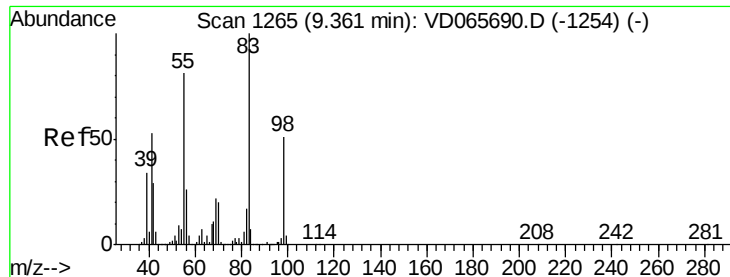
Tot Ion: 43 Resp: 197112
Ion Ratio Lower Upper
43 100
61 13.9 10.6 16.0
70 9.0 7.0 10.4



#38
Carbon Tetrachloride
Concen: 47.781 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion: 117 Resp: 490235
Ion Ratio Lower Upper
117 100
119 94.3 79.0 118.6
121 30.5 24.9 37.3

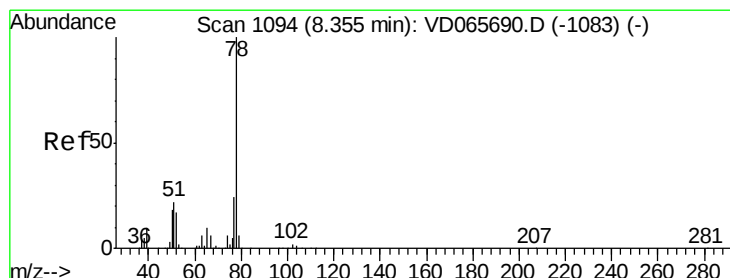
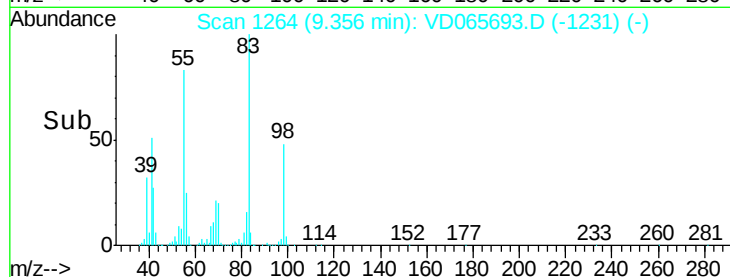
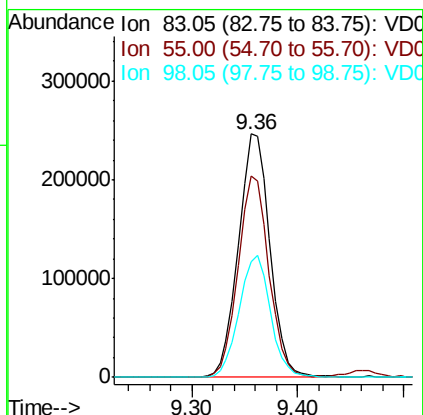
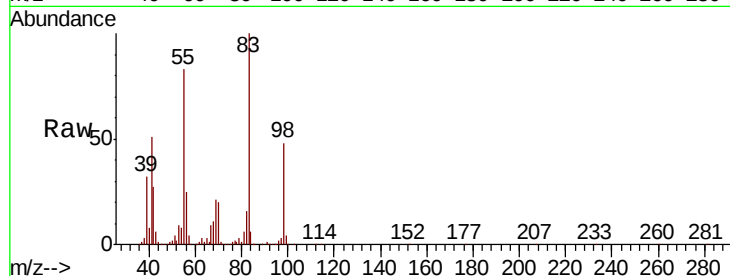




#39
Methvlcvclohexane
Concen: 52.447 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

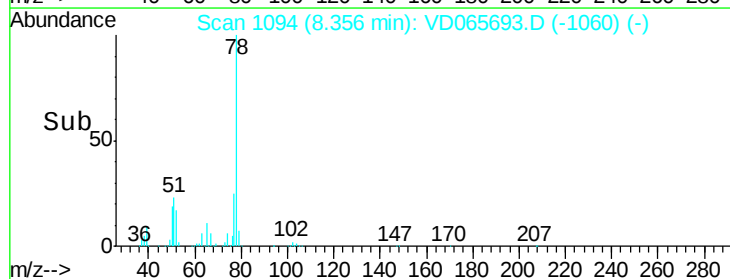
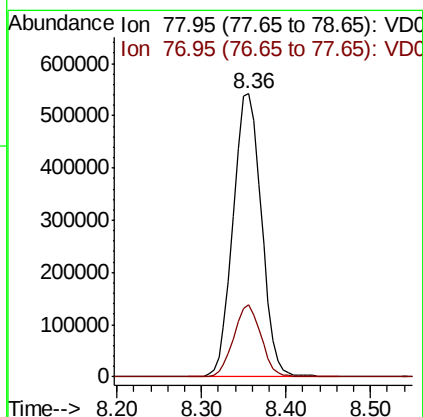
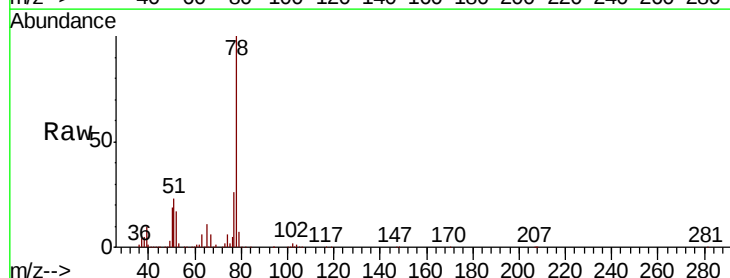
Instrument :
MSVOA_D
ClientSampleId :

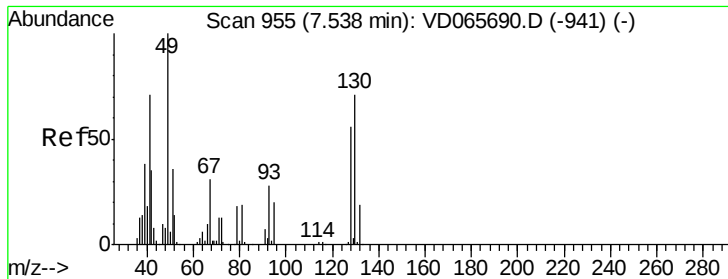
Tot Ion: 83 Resp: 511373
Ion Ratio Lower Upper
83 100
55 82.9 65.0 97.4
98 47.7 41.2 61.8



#40
Benzene
Concen: 48.783 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion: 78 Resp: 1256158
Ion Ratio Lower Upper
78 100
77 25.5 19.2 28.8

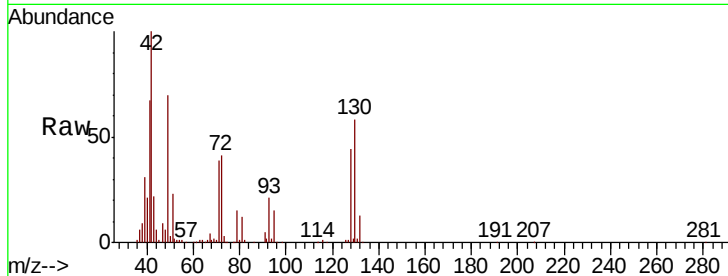




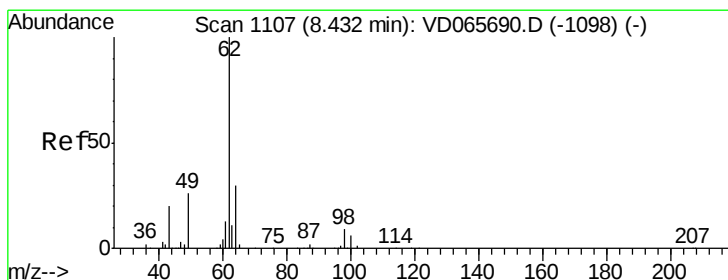
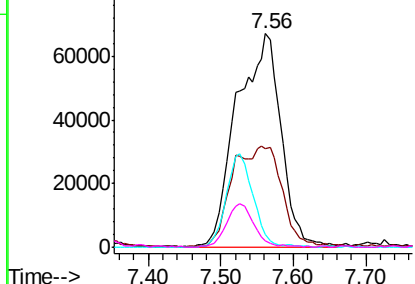
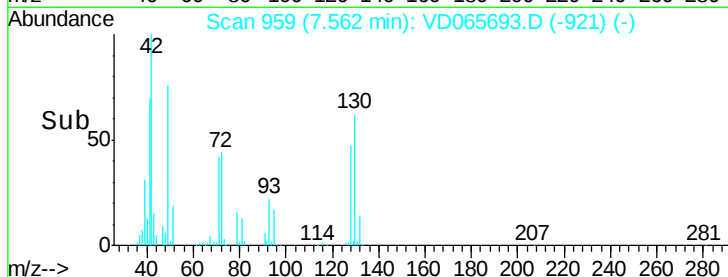
#41
Methacrylonitrile
Concen: 126.404 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.02 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 283444
Ion Ratio Lower Upper
41 100
39 46.1 42.8 64.2
67 6.2 34.8 52.2#
52 3.3 15.5 23.3#

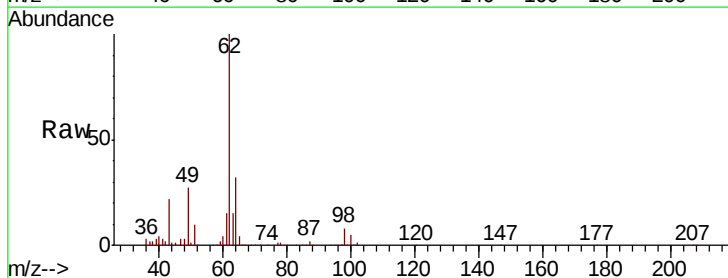


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

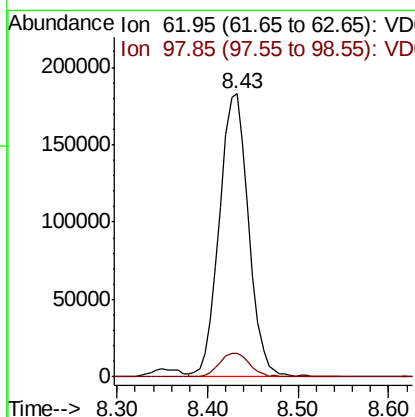
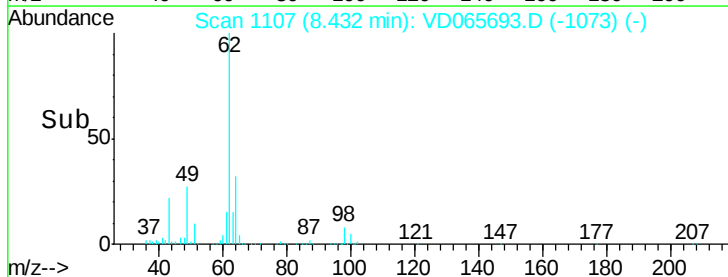


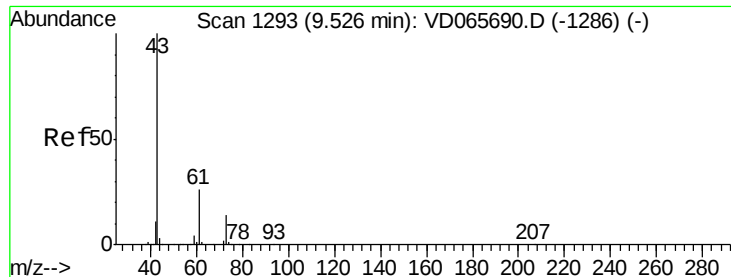
#42
1,2-Dichloroethane
Concen: 49.143 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion: 62 Resp: 408595
Ion Ratio Lower Upper
62 100
98 8.3 0.0 17.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 52.892 ug/l

RT: 9.53 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

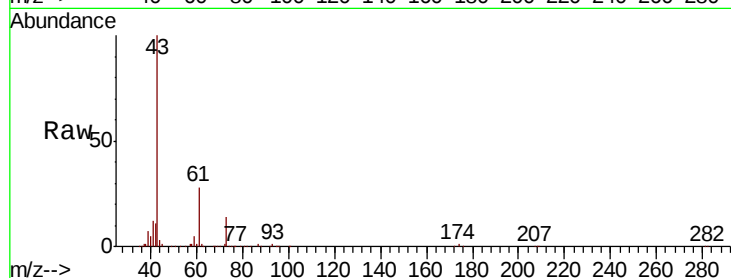
Tot Ion: 43 Resp: 275158

Ion Ratio Lower Upper

43 100

61 28.3 20.5 30.7

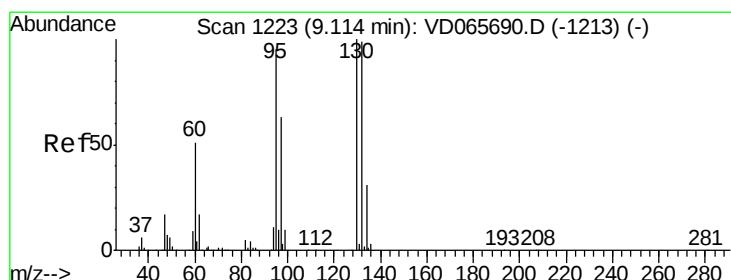
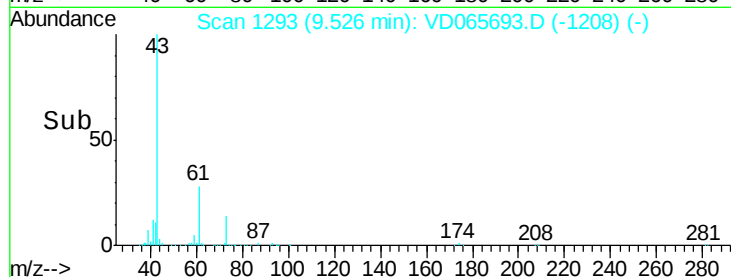
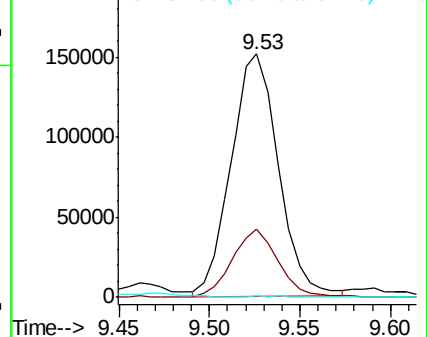
87 0.5 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.144 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065693.D

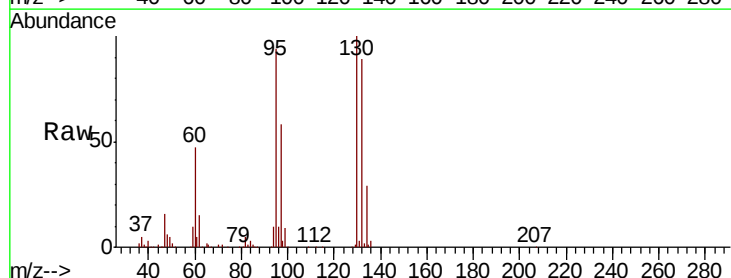
Acq: 01 May 2020 21:56

Tgt Ion: 130 Resp: 347505

Ion Ratio Lower Upper

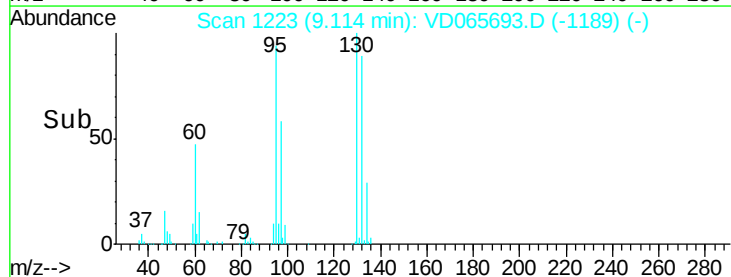
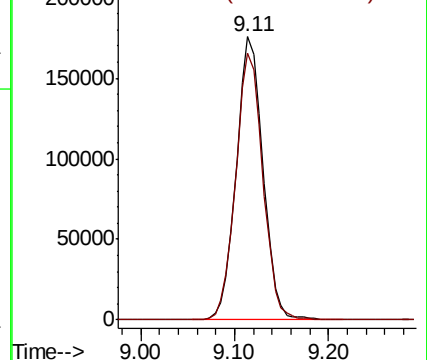
130 100

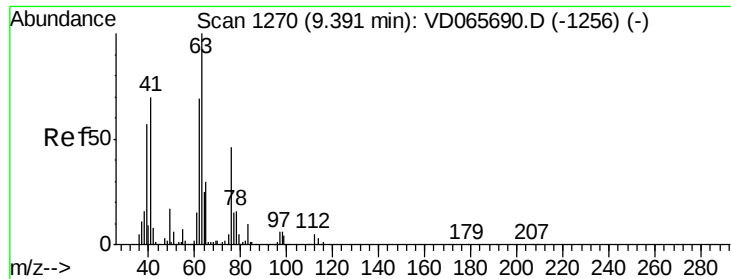
95 94.4 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.876 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

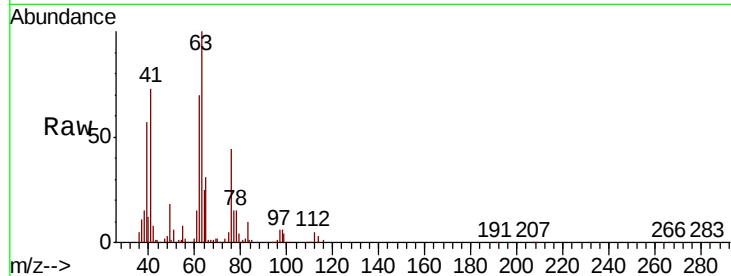
ClientSampleId :

Tot Ion: 63 Resp: 319812

Ion Ratio Lower Upper

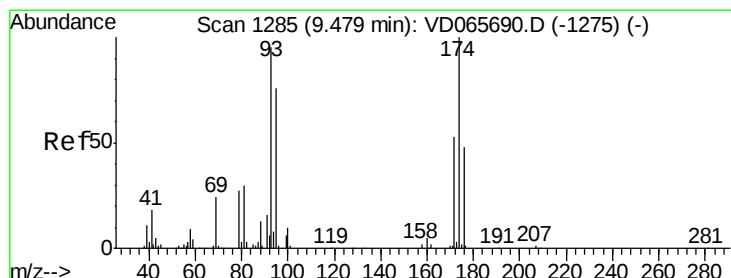
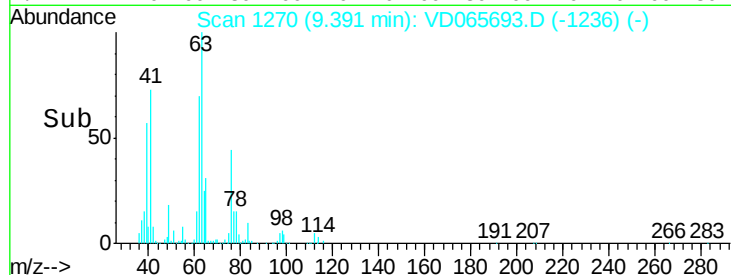
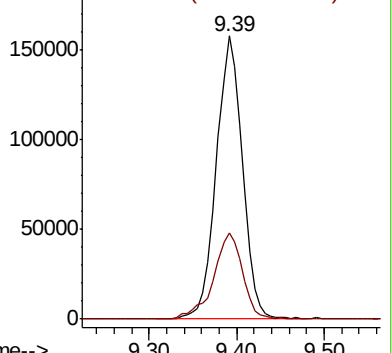
63 100

65 30.7 23.8 35.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 48.313 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

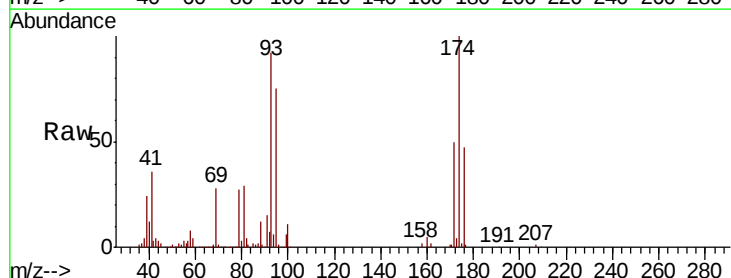
Tgt Ion: 93 Resp: 171704

Ion Ratio Lower Upper

93 100

95 82.3 63.9 95.9

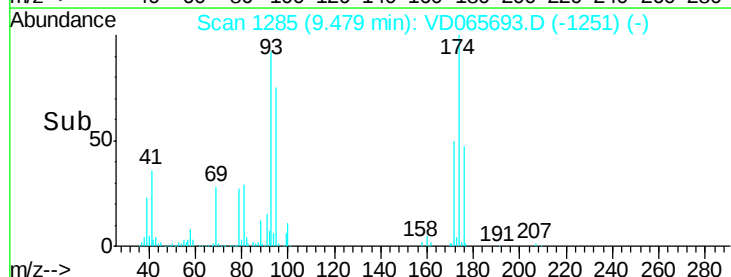
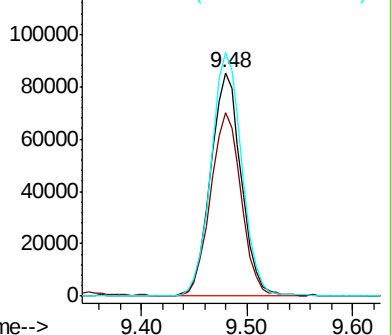
174 109.0 84.3 126.5

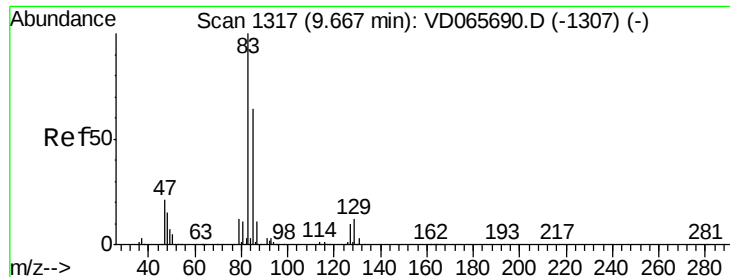


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 47.984 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

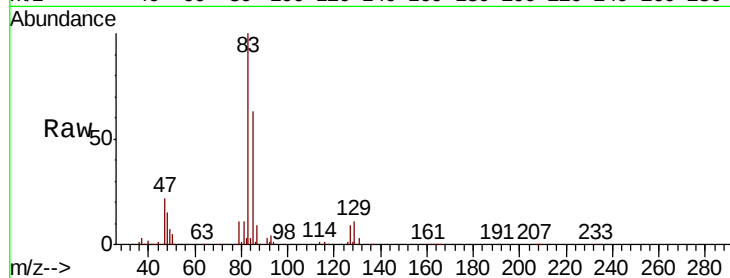
Tot Ion: 83 Resp: 459880

Ion Ratio Lower Upper

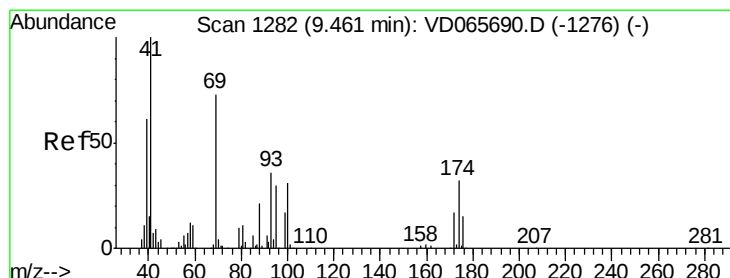
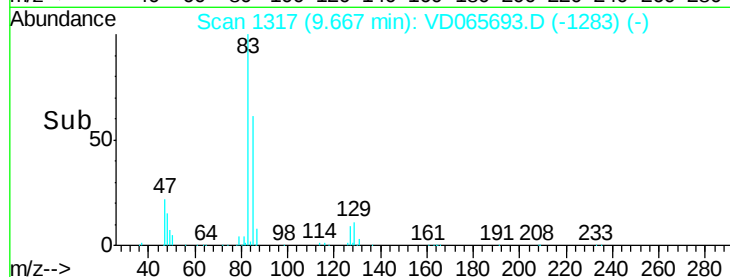
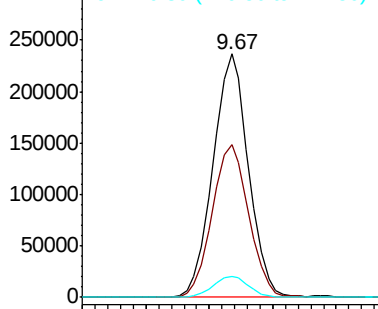
83 100

85 62.8 51.6 77.4

127 8.7 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 53.290 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

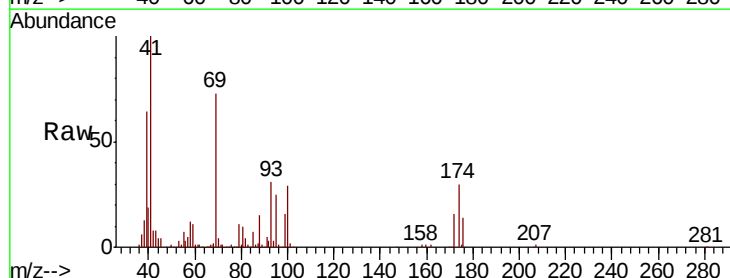
Tgt Ion: 41 Resp: 180588

Ion Ratio Lower Upper

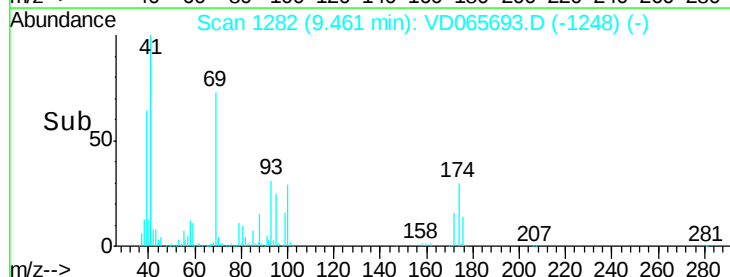
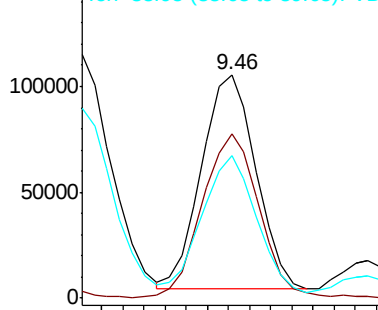
41 100

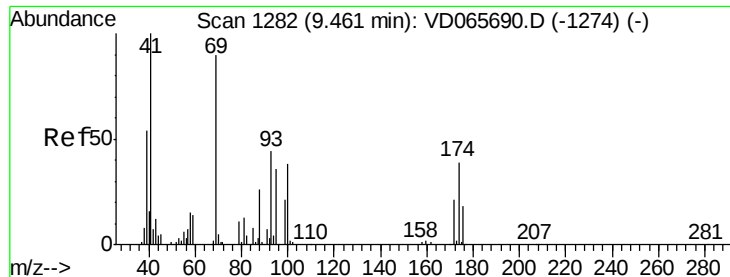
69 73.5 54.9 82.3

39 63.8 49.7 74.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

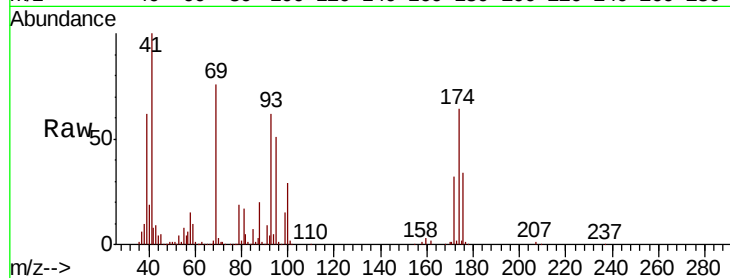




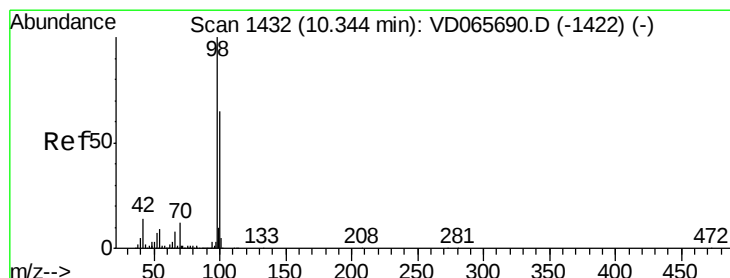
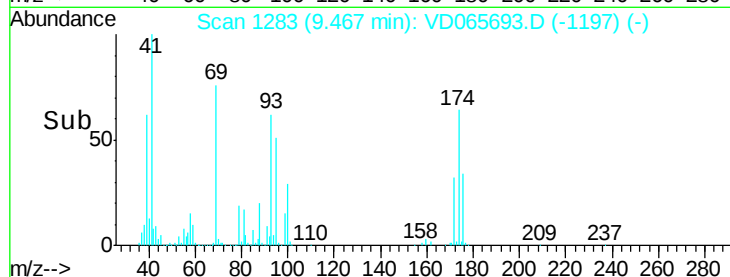
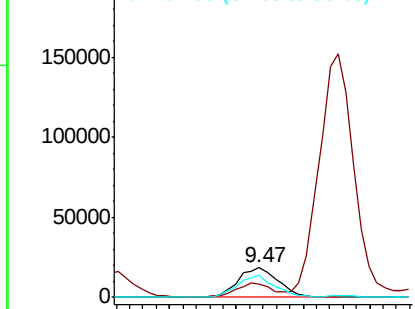
#49
1,4-Dioxane
Concen: 968.285 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 38480
Ion Ratio Lower Upper
88 100
43 44.5 36.7 55.1
58 75.4 47.0 70.4#

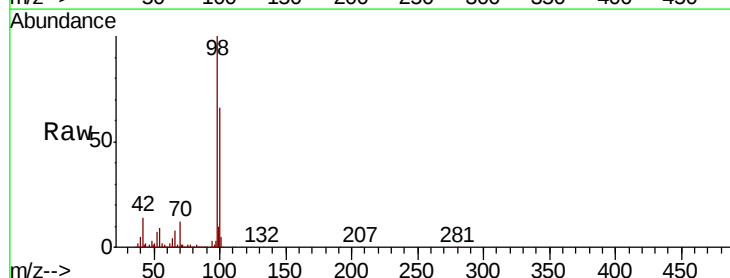


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

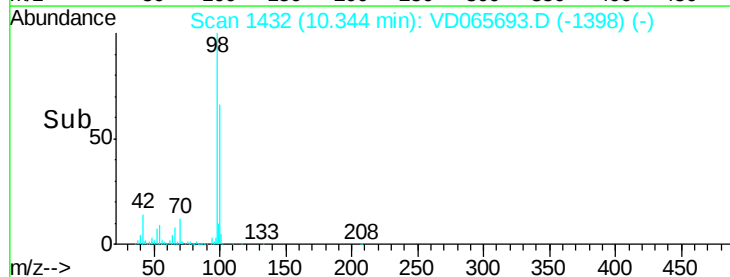
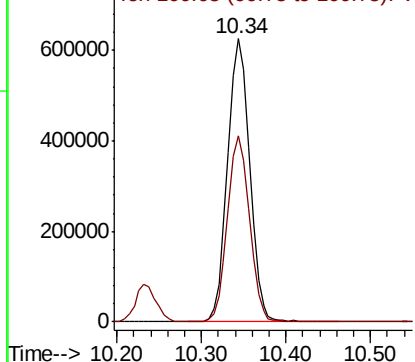


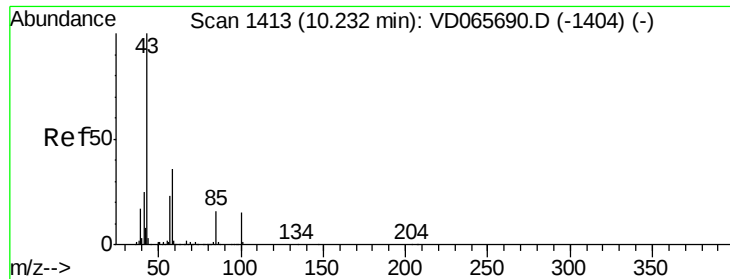
#50
Toluene-d8
Concen: 49.090 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion: 98 Resp: 1131585
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

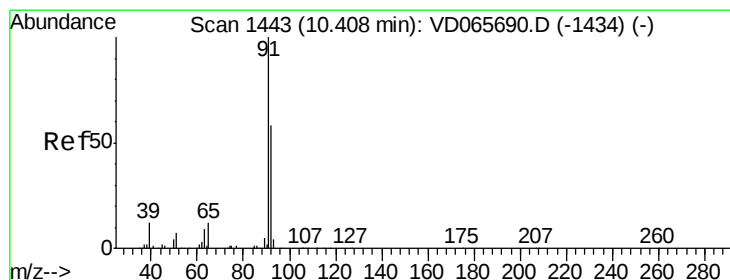
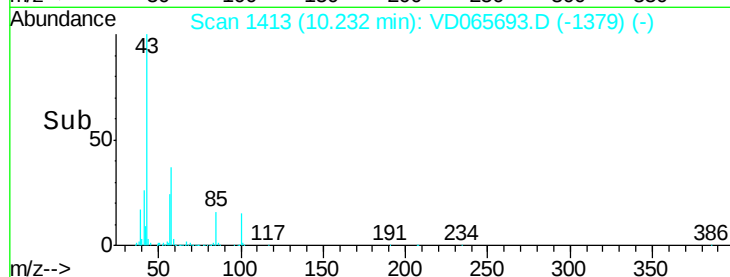
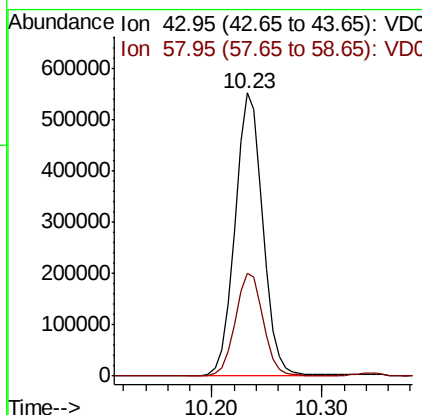
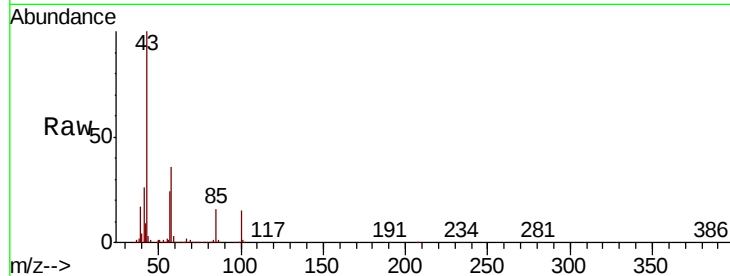




#51
 4-Methyl-2-Pentanone
 Concen: 260.120 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

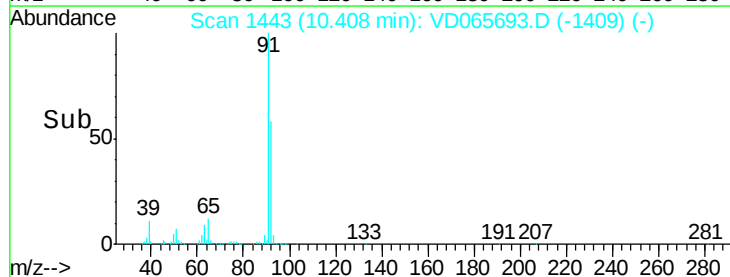
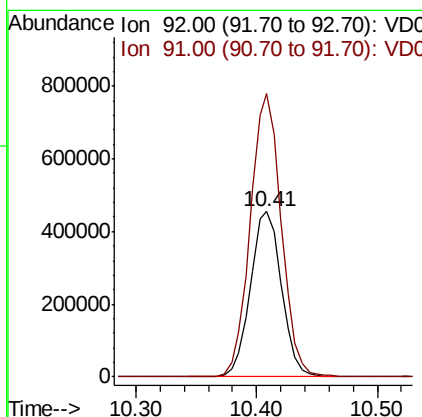
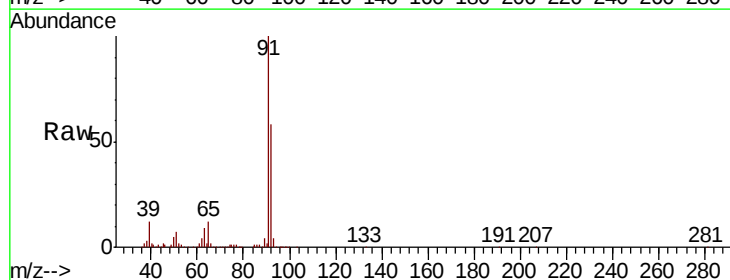
Instrument :
 MSVOA_D
 ClientSampleId :

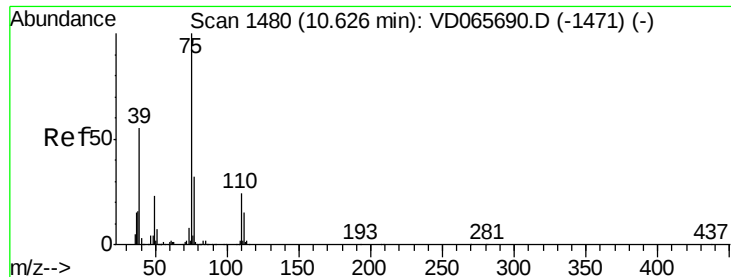
Tot Ion: 43 Resp: 979801
 Ion Ratio Lower Upper
 43 100
 58 36.4 28.8 43.2



#52
 Toluene
 Concen: 50.884 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

Tgt Ion: 92 Resp: 818941
 Ion Ratio Lower Upper
 92 100
 91 171.4 137.0 205.4

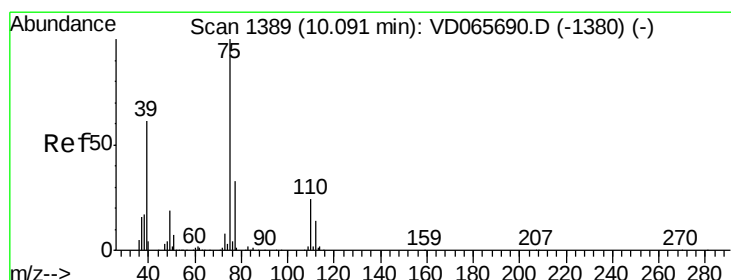
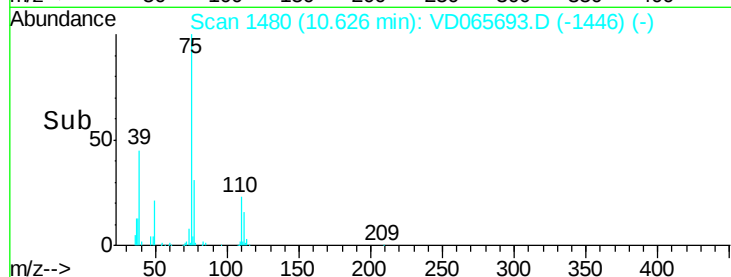
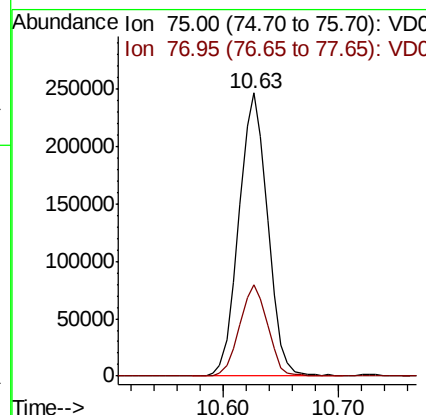
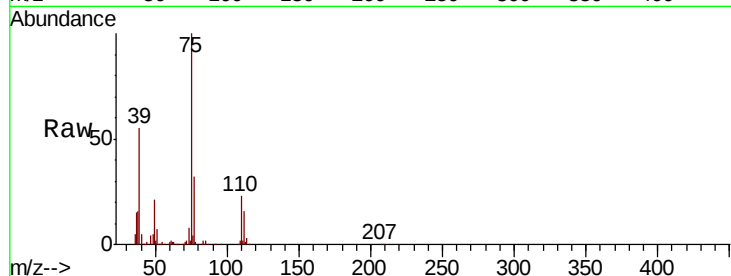




#53
 t-1,3-Dichloropropene
 Concen: 51.347 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

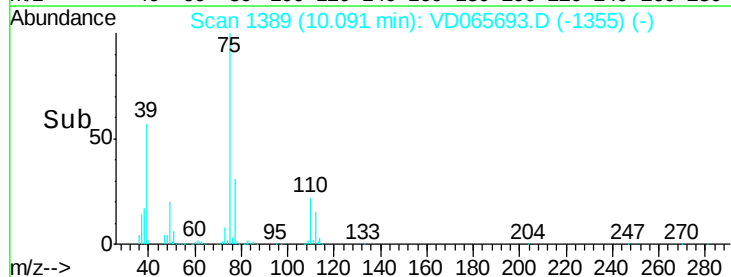
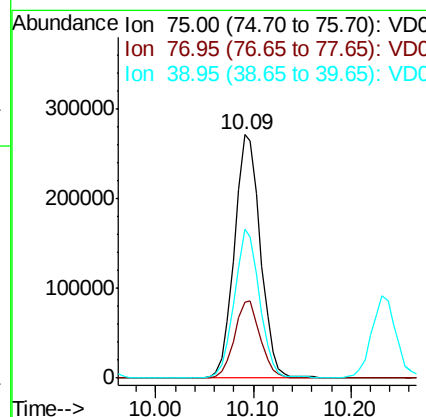
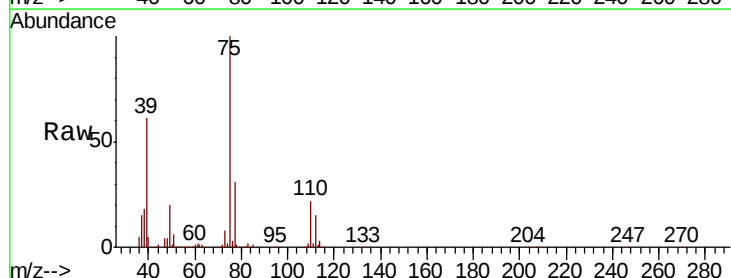
Instrument :
 MSVOA_D
 ClientSampled :

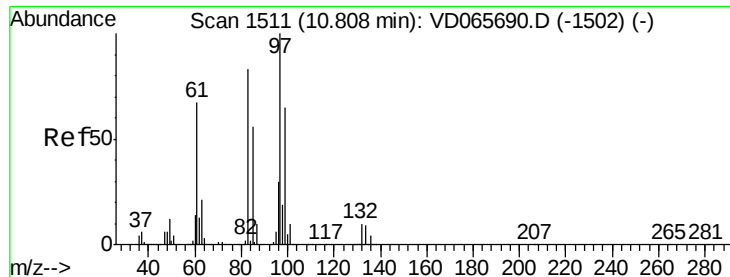
Tot Ion: 75 Resp: 426321
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 51.694 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

Tgt Ion: 75 Resp: 503170
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.6 40.0
 39 61.1 48.8 73.2

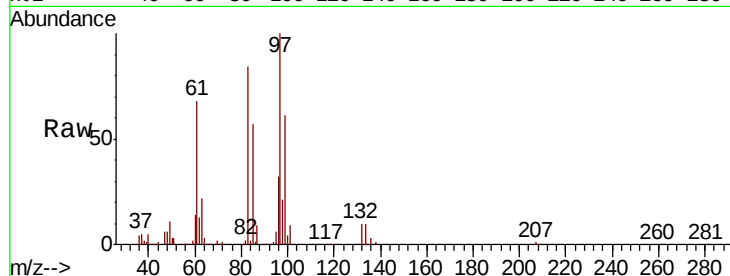




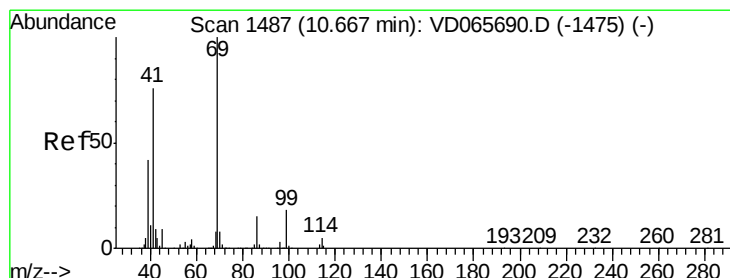
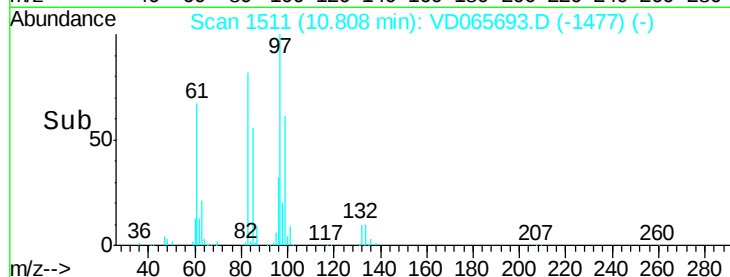
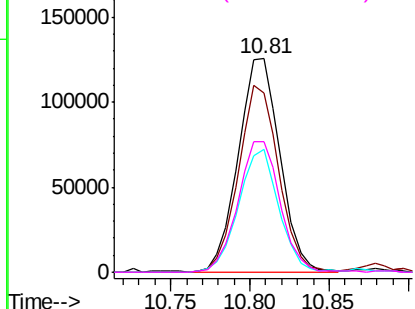
#55
 1,1,2-Trichloroethane
 Concen: 48.153 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	228585
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.7	100.1
85	57.3	45.0	67.4
99	60.8	51.9	77.9

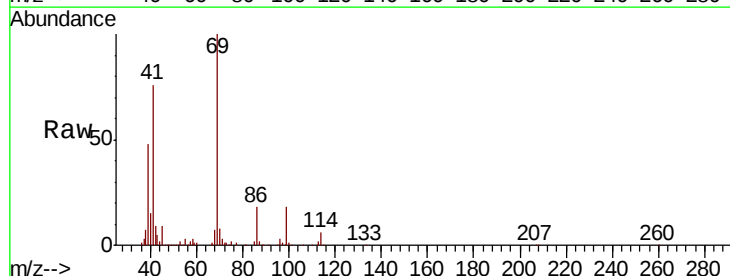


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

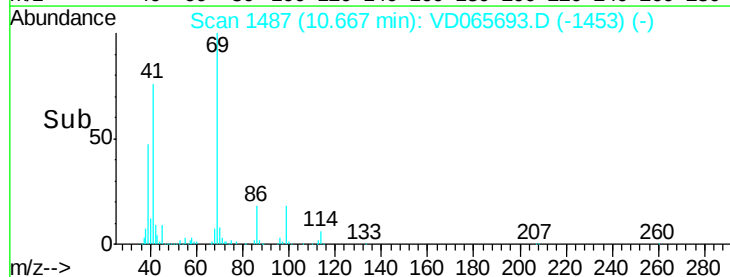
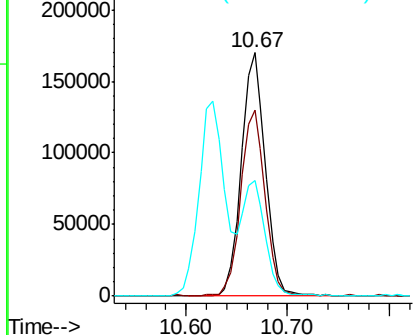


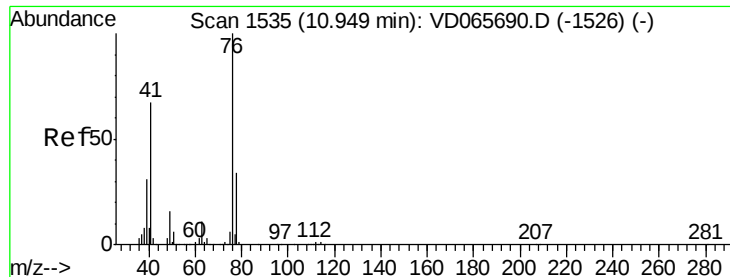
#56
 Ethyl methacrylate
 Concen: 48.801 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

Tgt Ion:	69	Resp:	278690
Ion	Ratio	Lower	Upper
69	100		
41	76.2	61.4	92.0
39	47.6	36.6	54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

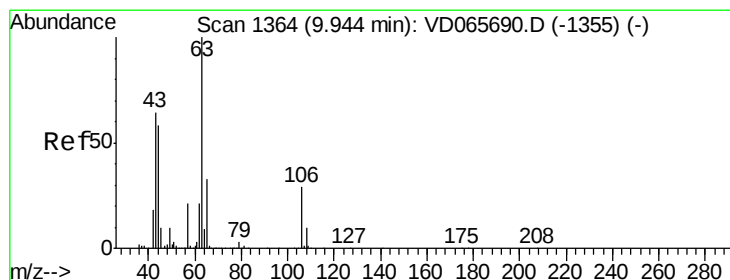
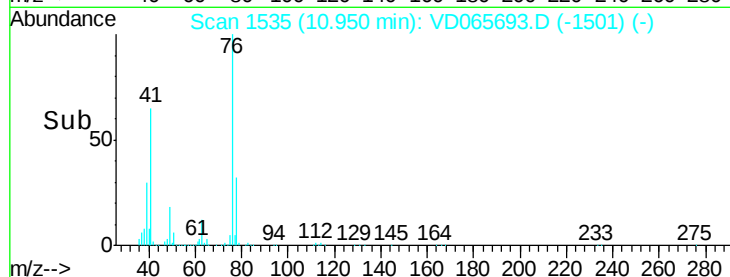
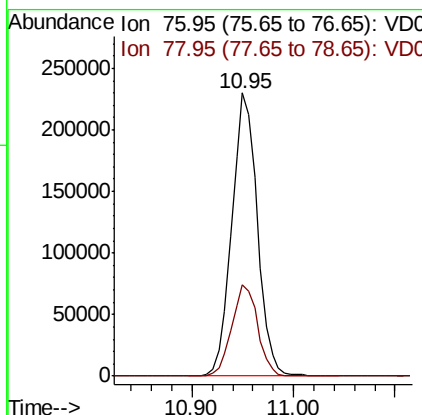
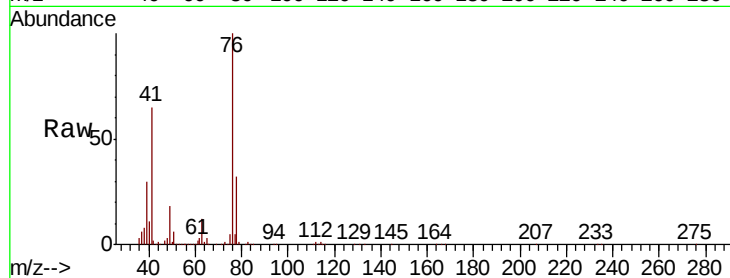




#57
 1,3-Dichloropropane
 Concen: 49.267 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

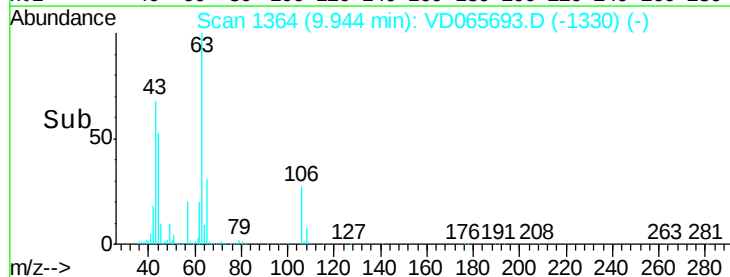
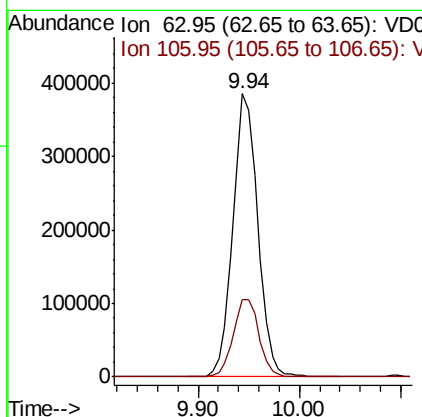
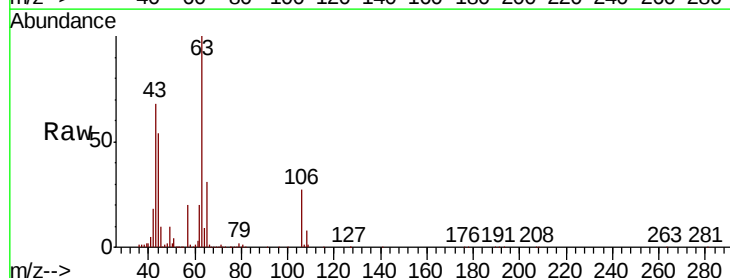
Instrument :
 MSVOA_D
 ClientSampled :

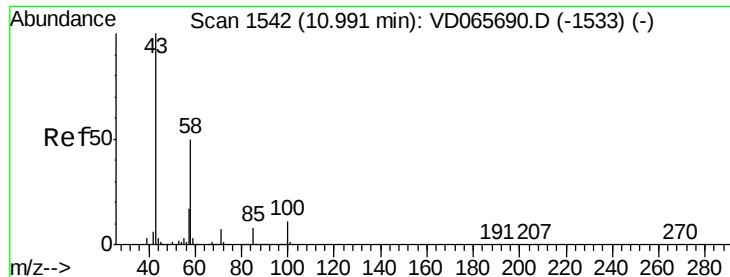
Tot Ion: 76 Resp: 401455
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.9 40.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.655 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

Tgt Ion: 63 Resp: 659093
 Ion Ratio Lower Upper
 63 100
 106 27.2 23.4 35.2

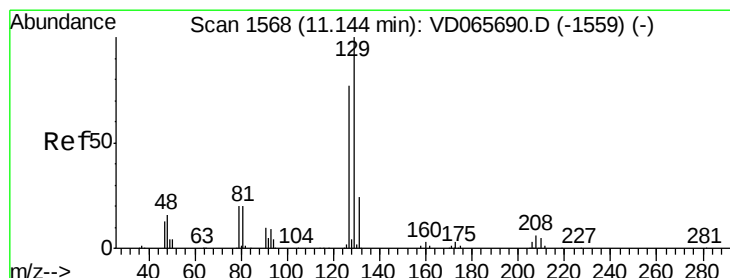
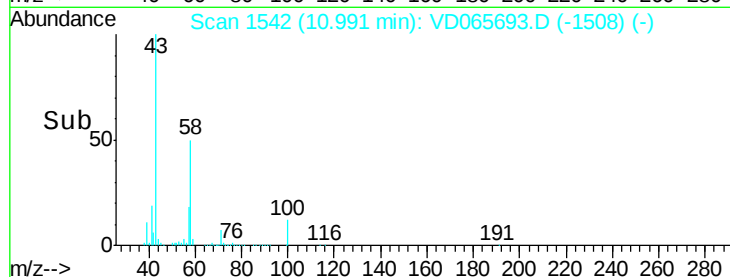
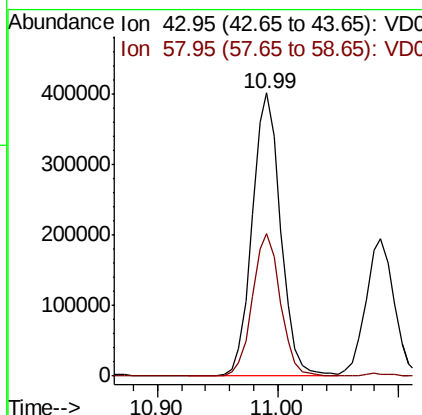
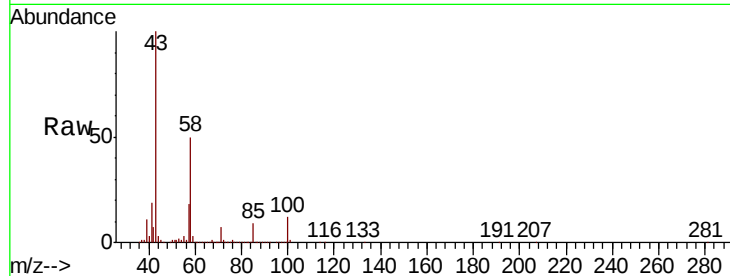




#59
2-Hexanone
Concen: 265.037 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

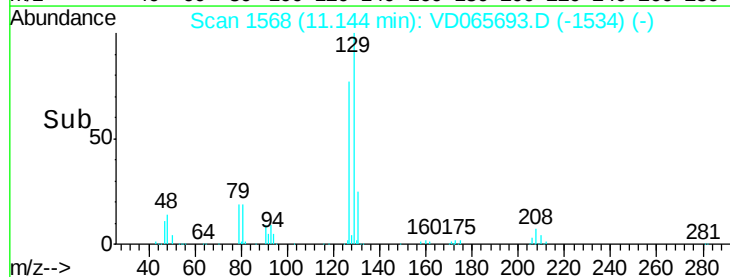
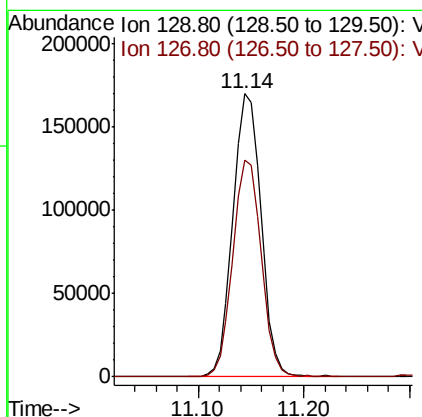
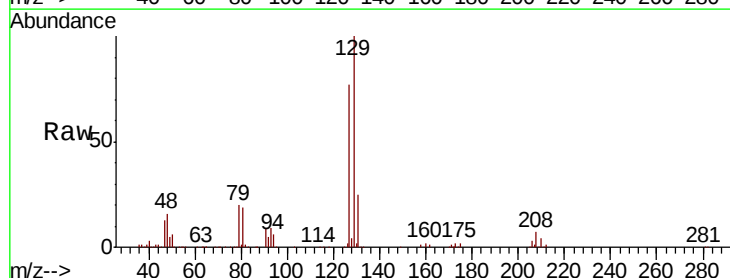
Instrument :
MSVOA_D
ClientSampleId :

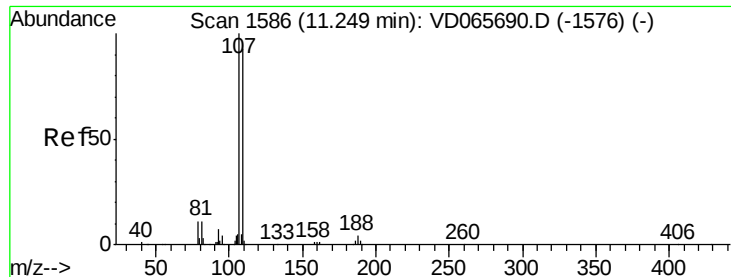
Tot Ion: 43 Resp: 660853
Ion Ratio Lower Upper
43 100
58 50.4 24.8 74.4



#60
Dibromochloromethane
Concen: 48.936 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion: 129 Resp: 313936
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8

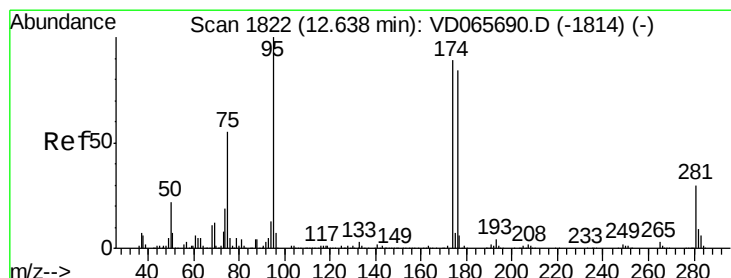
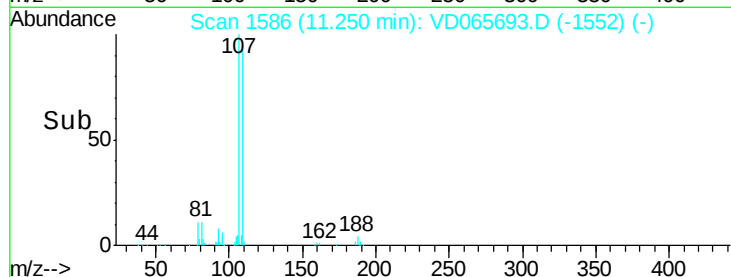
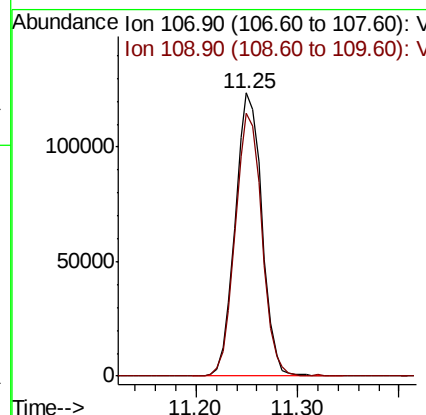
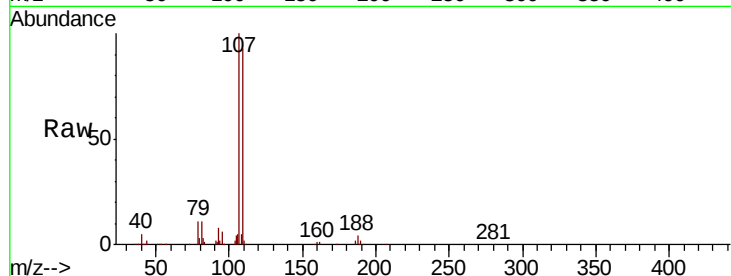




#61
 1,2-Dibromoethane
 Concen: 50.731 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

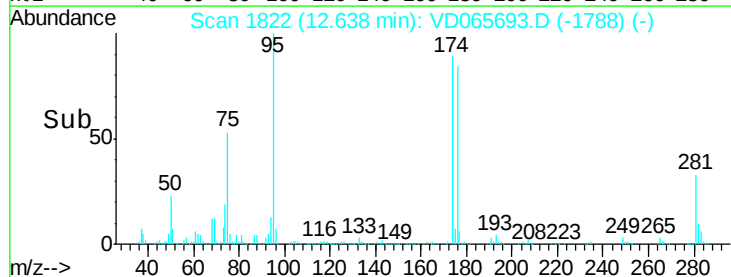
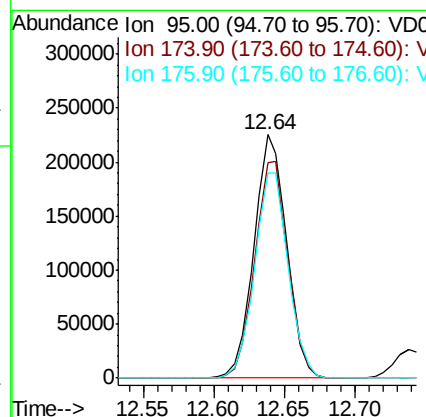
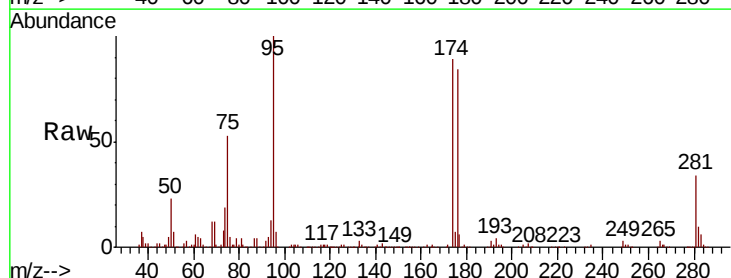
Instrument :
 MSVOA_D
 ClientSampled :

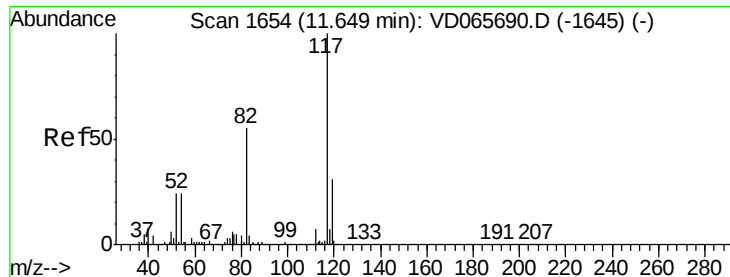
Tot Ion: 107 Resp: 226330
 Ion Ratio Lower Upper
 107 100
 109 92.9 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 48.983 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

Tgt Ion: 95 Resp: 366135
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 177.6
 176 84.5 0.0 168.2

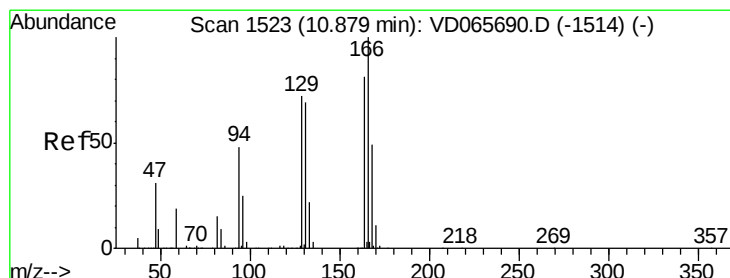
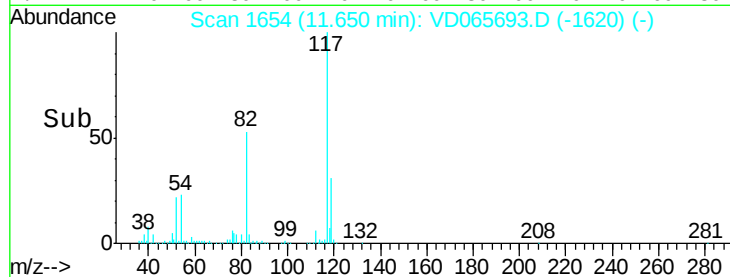
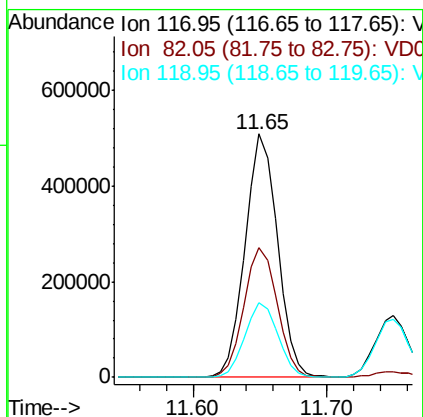
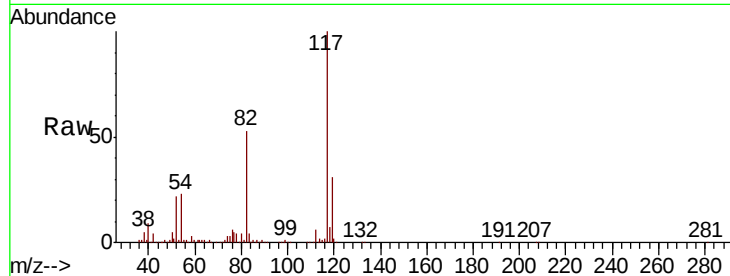




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

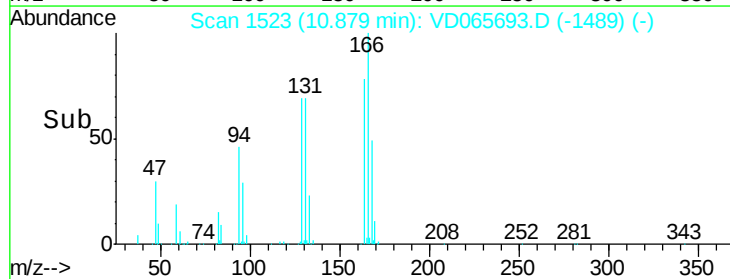
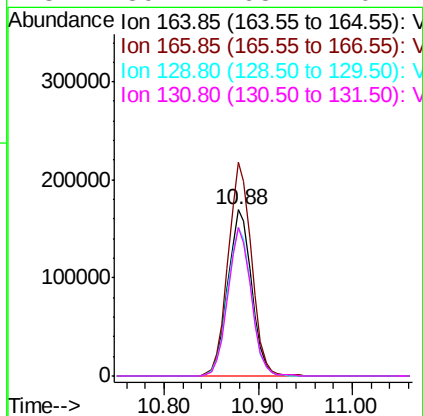
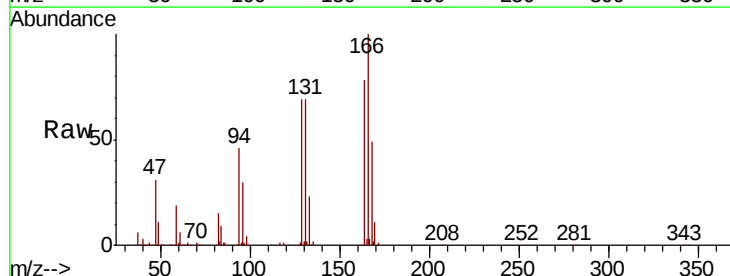
Instrument :
MSVOA_D
ClientSampleId :

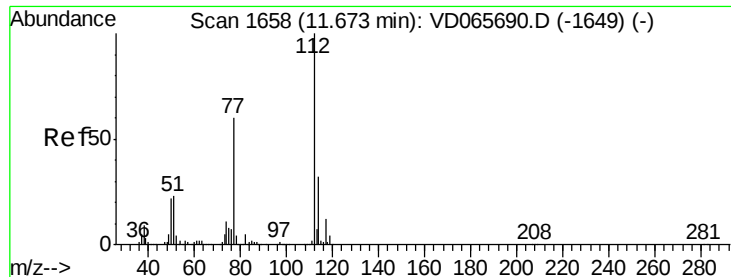
Tot Ion:117 Resp: 852739
Ion Ratio Lower Upper
117 100
82 53.3 43.6 65.4
119 30.8 25.0 37.6



#64
Tetrachloroethene
Concen: 48.392 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion:164 Resp: 297502
Ion Ratio Lower Upper
164 100
166 128.8 99.0 148.6
129 89.2 71.5 107.3
131 89.2 68.2 102.4





#65

Chlorobenzene

Concen: 49.396 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

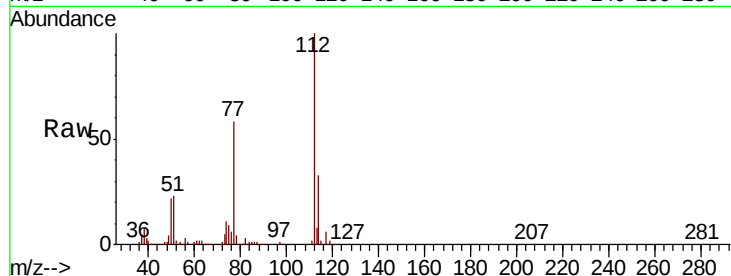
ClientSampled :

Tot Ion:112 Resp: 851769

Ion Ratio Lower Upper

112 100

114 33.1 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

500000

400000

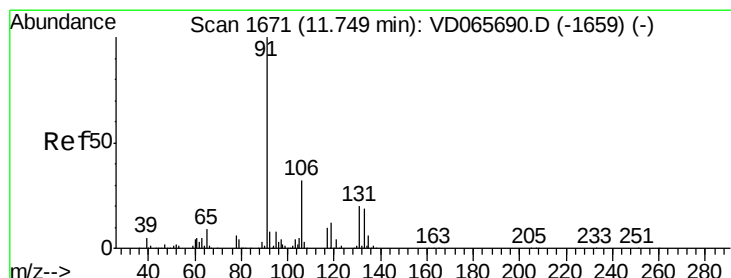
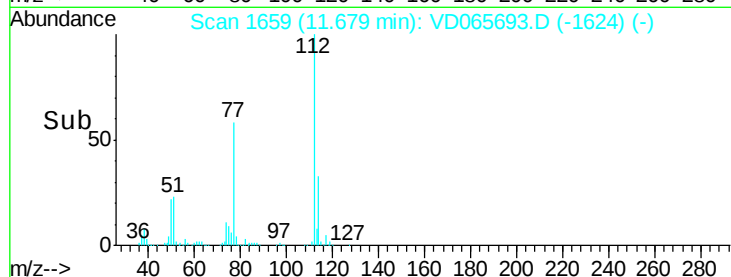
300000

200000

100000

0

Time--> 11.60 11.70 11.80



#66

1,1,1,2-Tetrachloroethane

Concen: 48.871 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

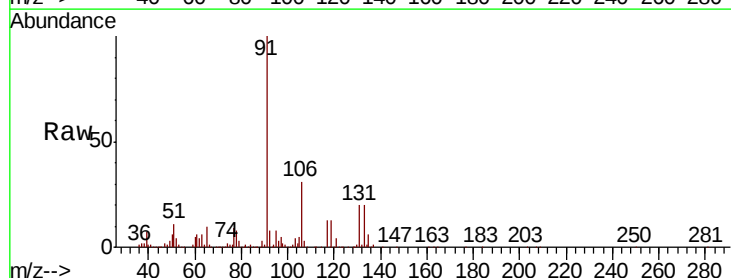
Tgt Ion:131 Resp: 333567

Ion Ratio Lower Upper

131 100

133 98.0 47.9 143.8

119 62.7 32.0 96.2



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

250000

200000

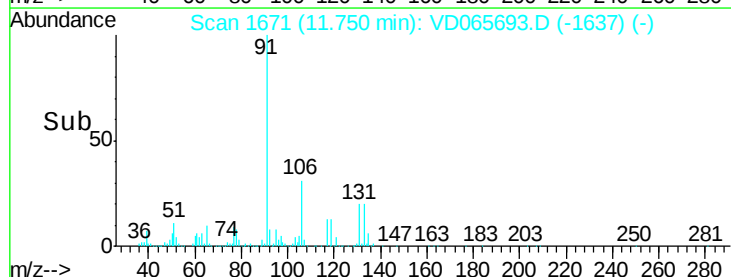
150000

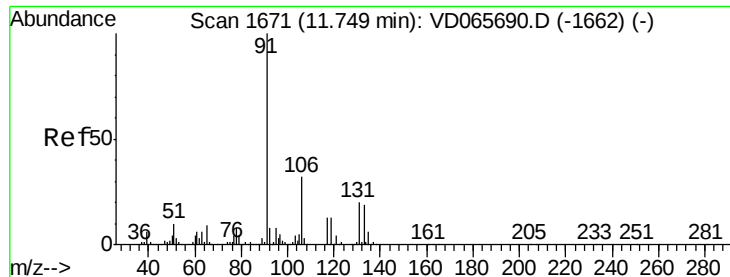
100000

50000

0

Time--> 11.70 11.80

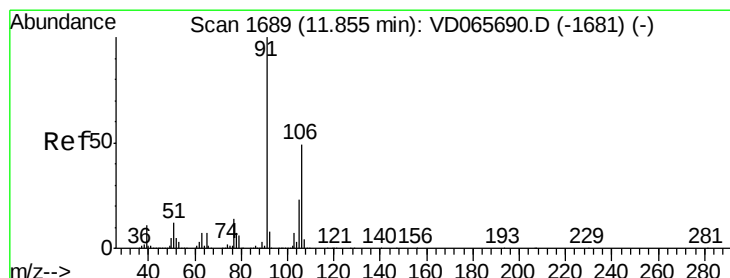
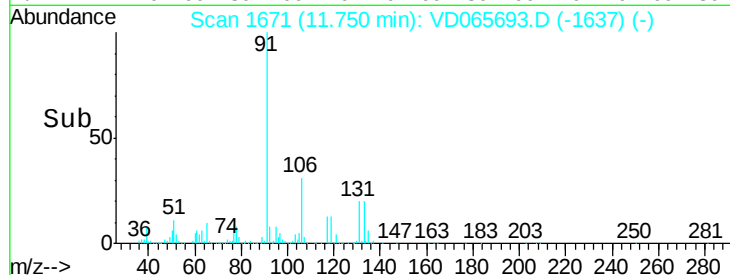
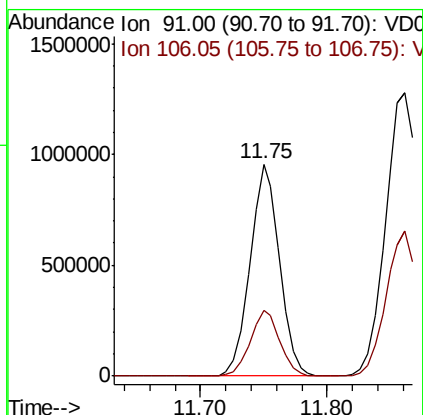
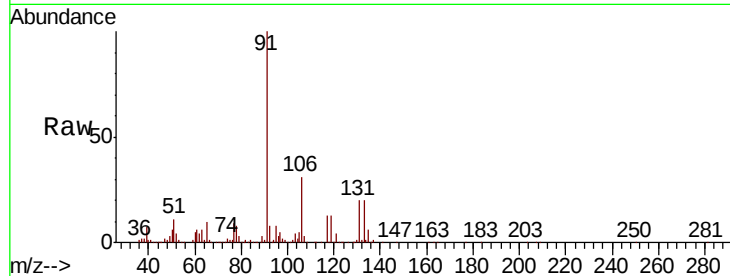




#67
Ethyl Benzene
Concen: 51.769 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

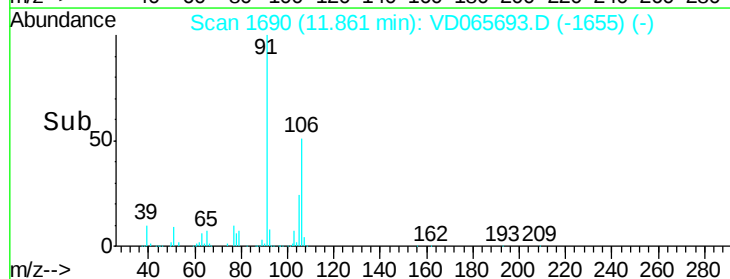
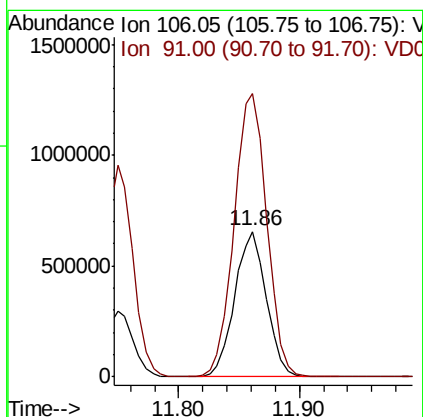
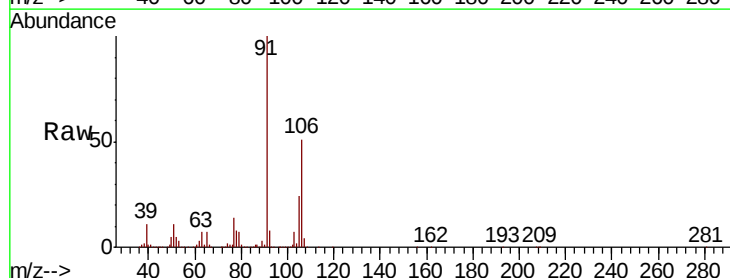
Instrument :
MSVOA_D
ClientSampled :

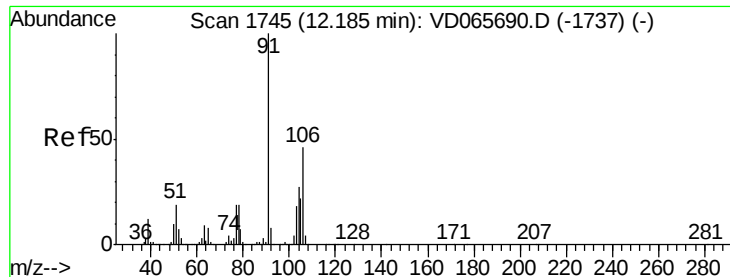
Tot Ion: 91 Resp: 1540636
Ion Ratio Lower Upper
91 100
106 31.3 25.2 37.8



#68
m/p-Xylenes
Concen: 105.277 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion: 106 Resp: 1192193
Ion Ratio Lower Upper
106 100
91 194.5 162.2 243.2

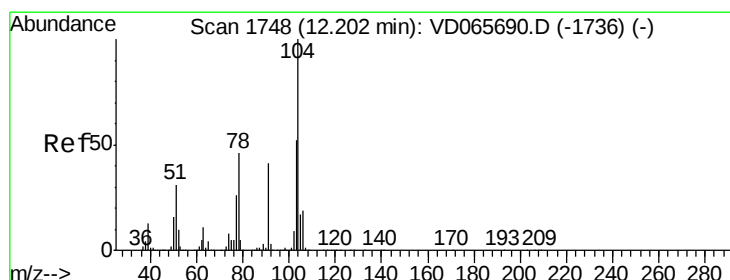
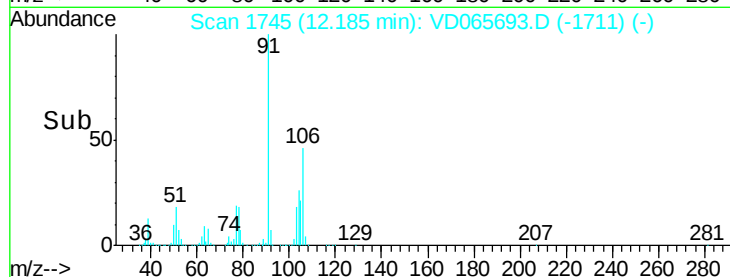
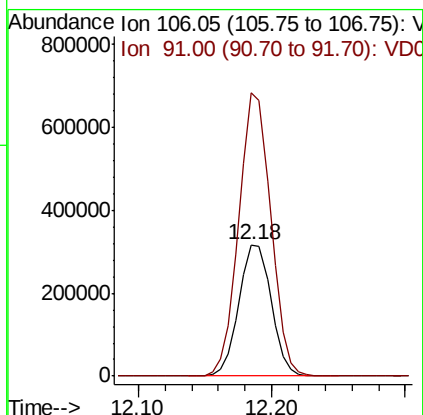
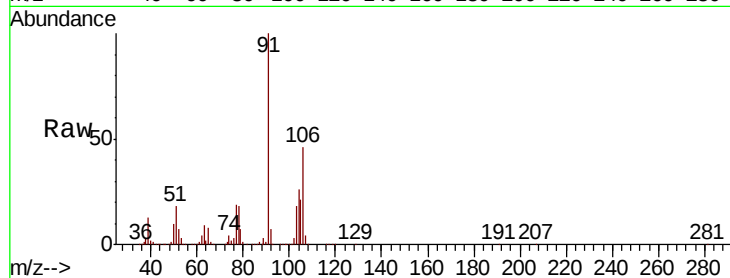




#69
o-Xylene
Concen: 53.755 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

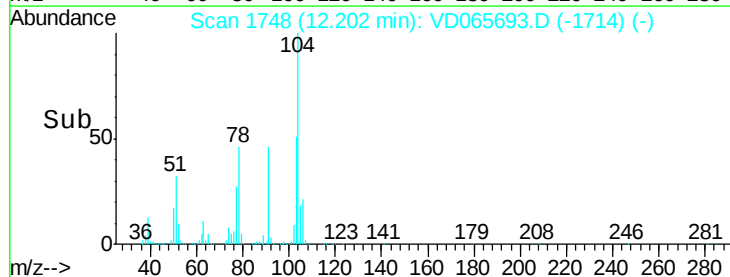
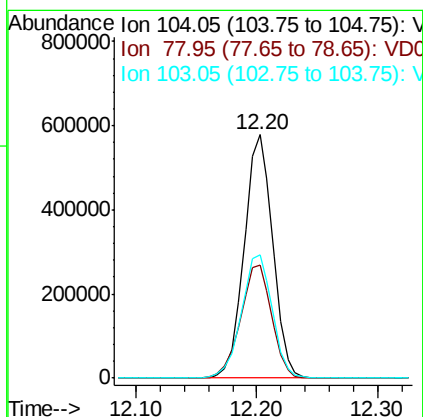
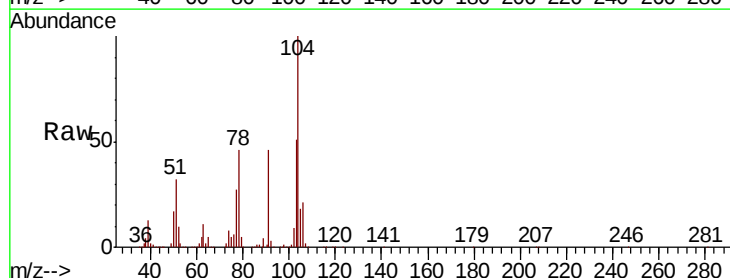
Instrument :
MSVOA_D
ClientSampled :

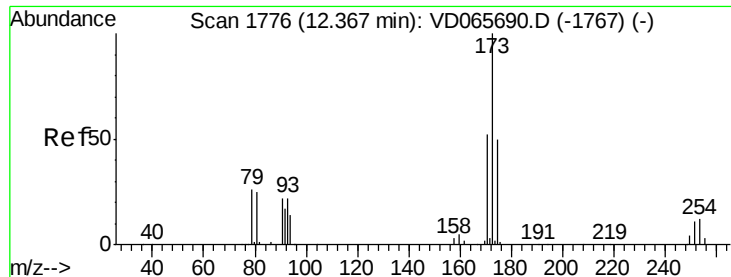
Tot Ion:106 Resp: 531982
Ion Ratio Lower Upper
106 100
91 215.5 109.7 329.0



#70
Styrene
Concen: 48.622 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion:104 Resp: 955307
Ion Ratio Lower Upper
104 100
78 46.2 36.4 54.6
103 50.7 41.7 62.5

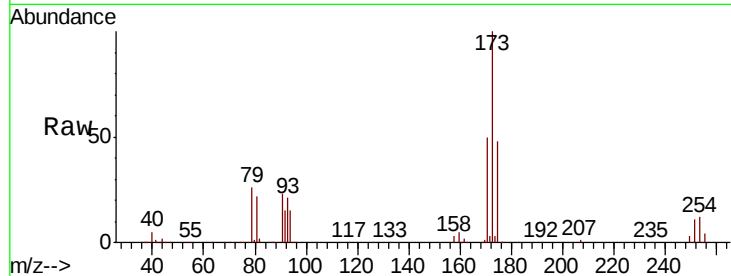




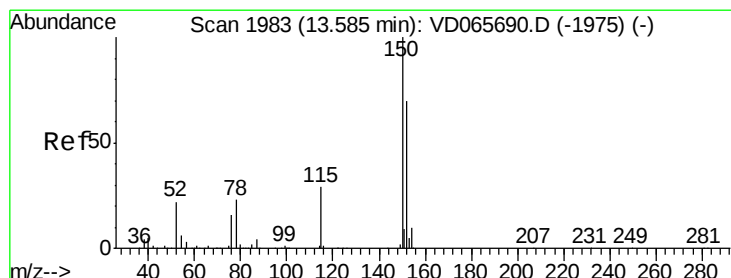
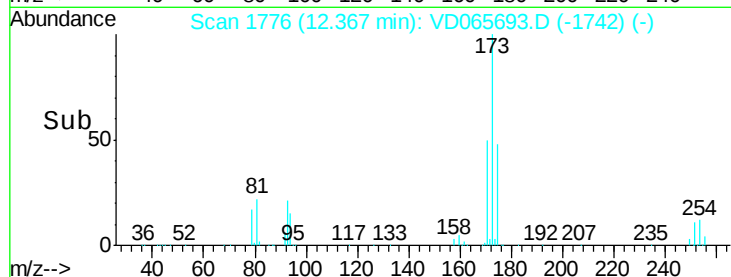
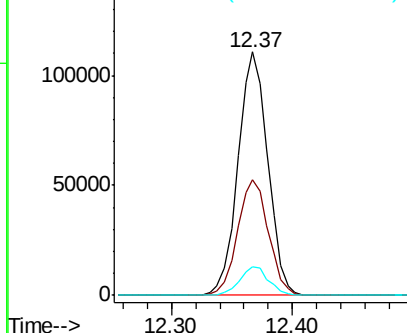
#71
Bromoform
Concen: 49.945 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.9	74.8
254	11.8	9.4	14.0

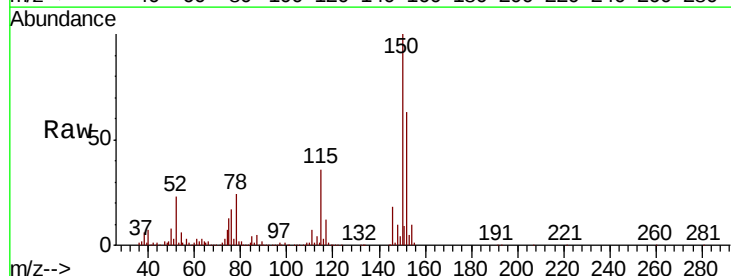


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

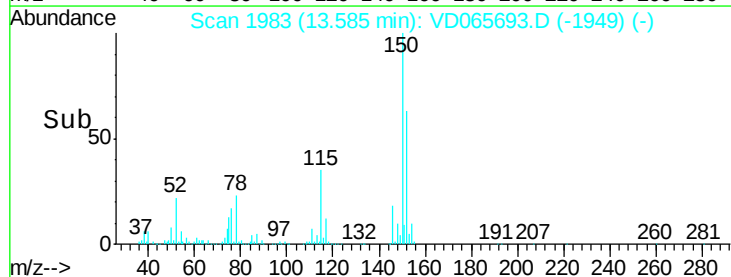
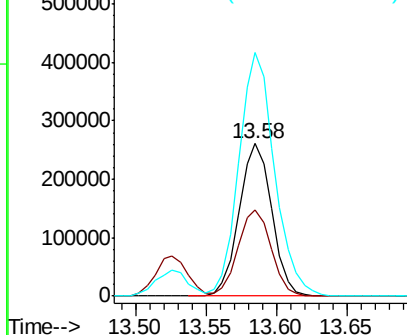


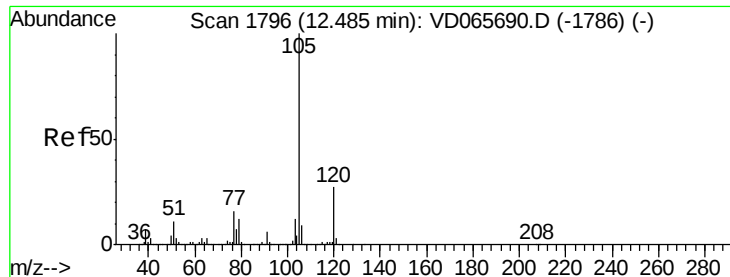
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	26.8	80.3
150	159.7	0.0	301.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.422 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

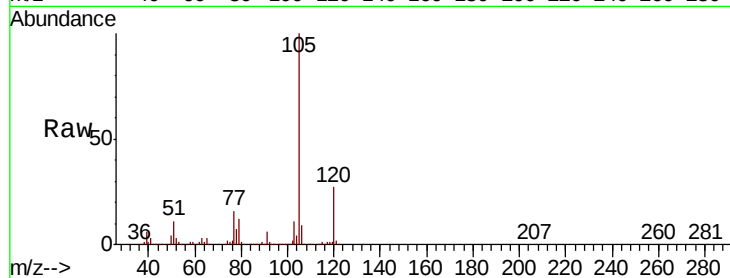
ClientSampleId :

Tot Ion:105 Resp: 1447813

Ion Ratio Lower Upper

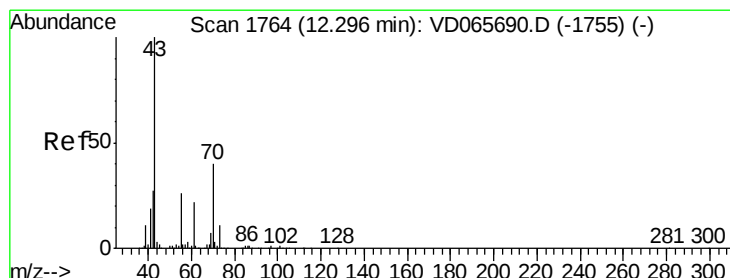
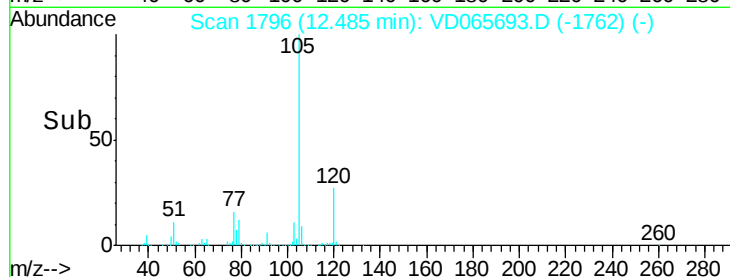
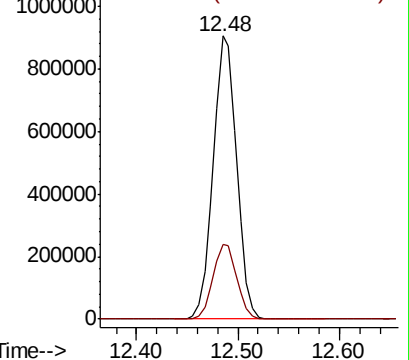
105 100

120 26.6 13.4 40.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 57.342 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Tgt Ion: 43 Resp: 337661

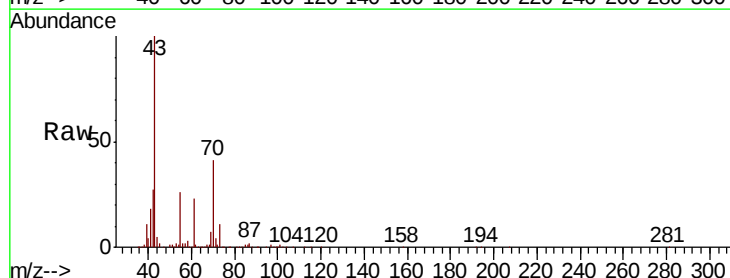
Ion Ratio Lower Upper

43 100

70 41.1 32.0 48.0

55 26.5 20.4 30.6

61 22.8 17.6 26.4

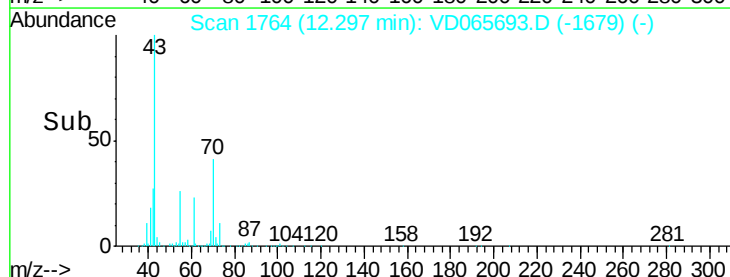
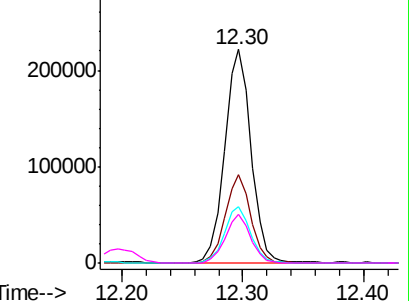


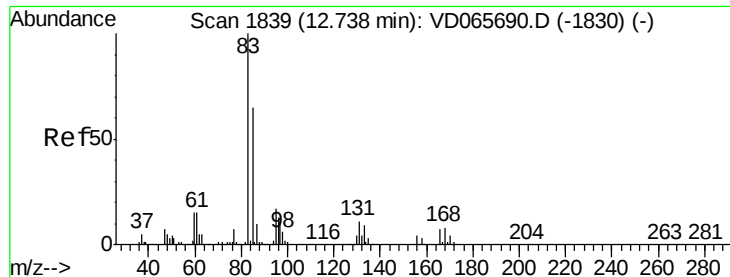
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 52.675 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

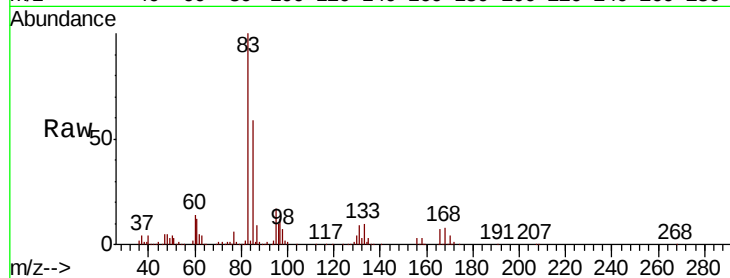
Tot Ion: 83 Resp: 253407

Ion Ratio Lower Upper

83 100

131 9.1 5.5 16.5

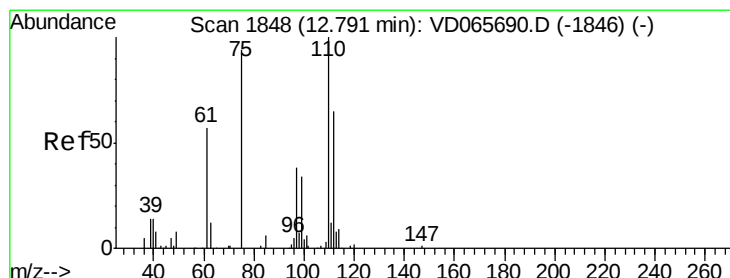
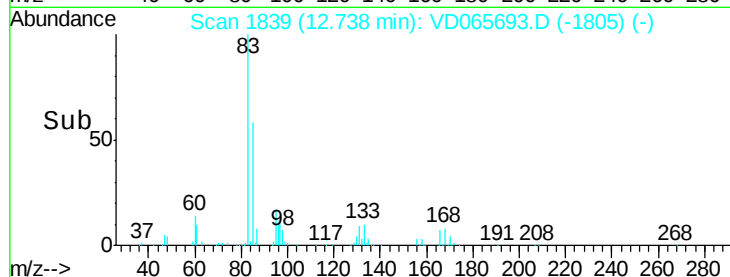
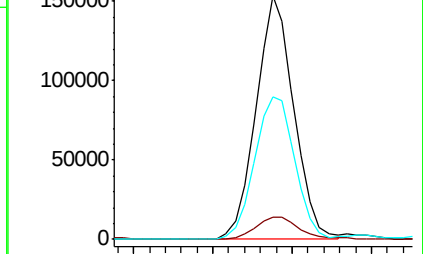
85 58.7 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 103.567 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065693.D

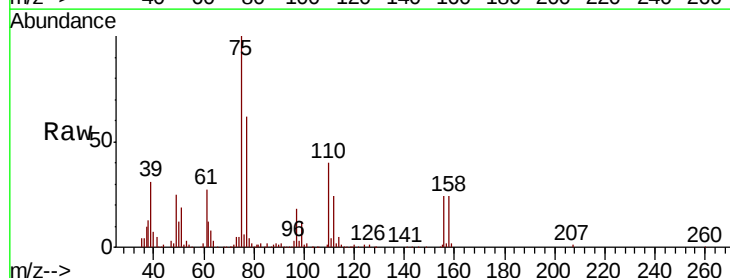
Acq: 01 May 2020 21:56

Tgt Ion: 75 Resp: 333771

Ion Ratio Lower Upper

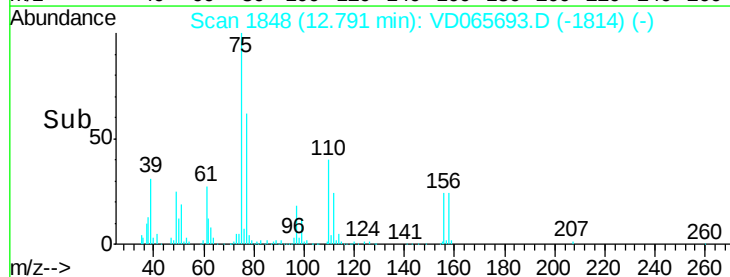
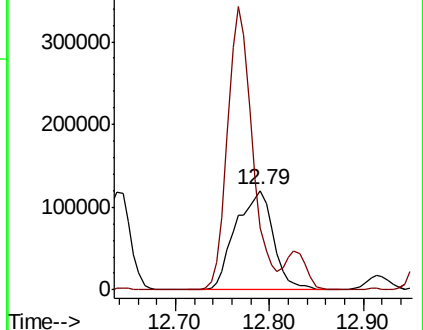
75 100

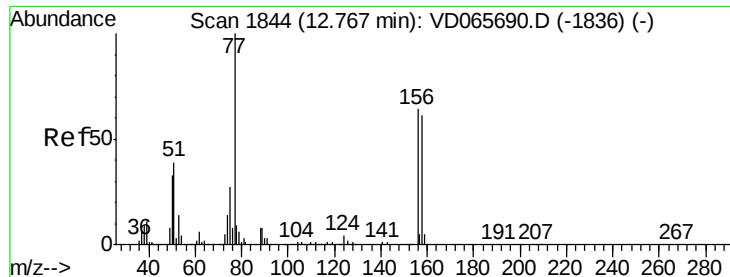
77 61.8 28.7 86.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.841 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

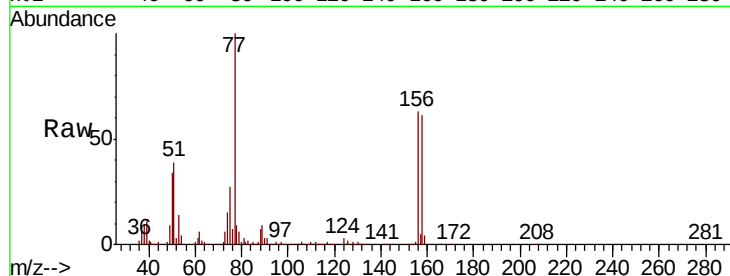
Tot Ion:156 Resp: 360026

Ion Ratio Lower Upper

156 100

77 157.9 78.4 235.2

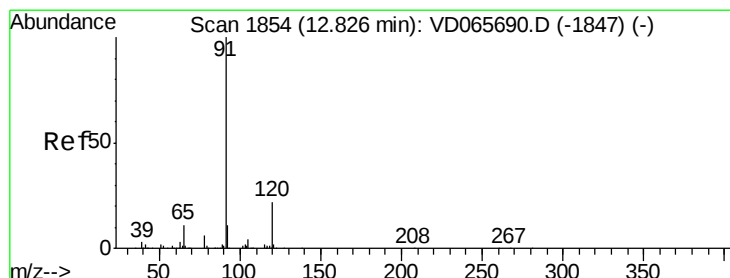
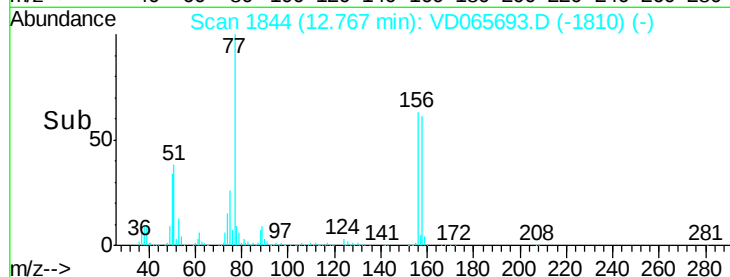
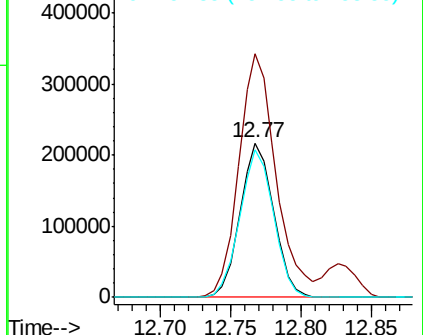
158 95.9 47.6 142.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 55.204 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065693.D

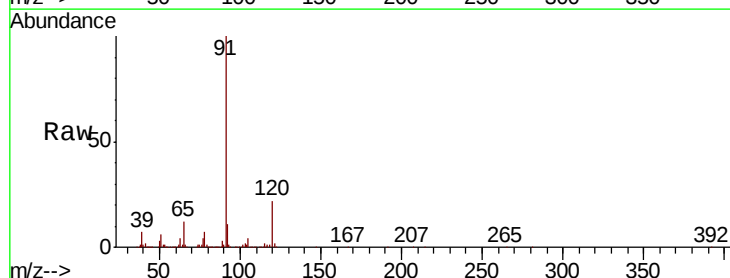
Acq: 01 May 2020 21:56

Tgt Ion: 91 Resp: 1731358

Ion Ratio Lower Upper

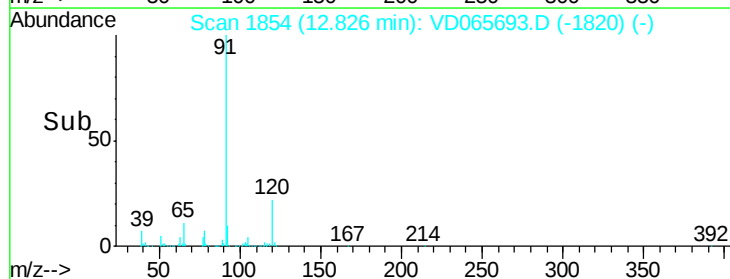
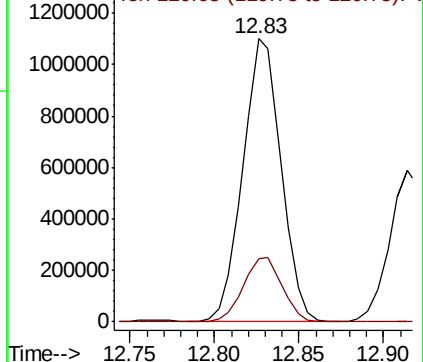
91 100

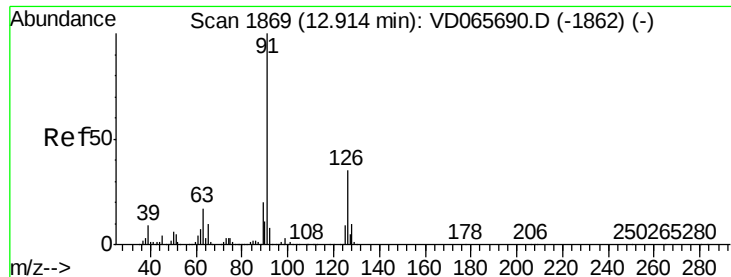
120 22.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

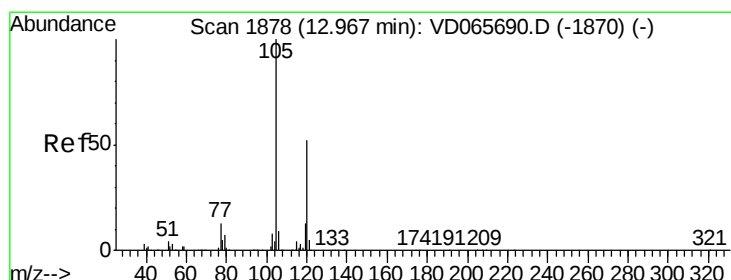
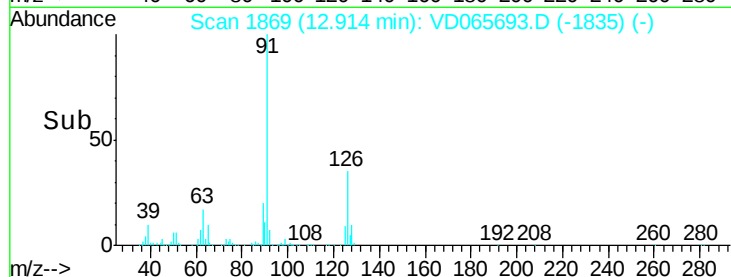
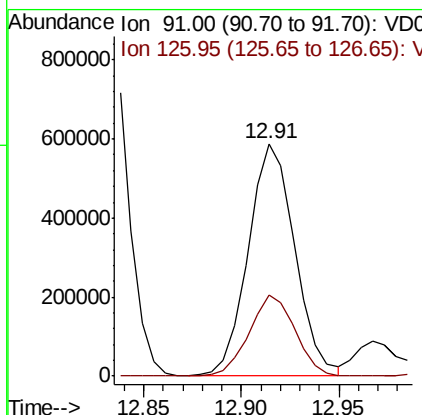
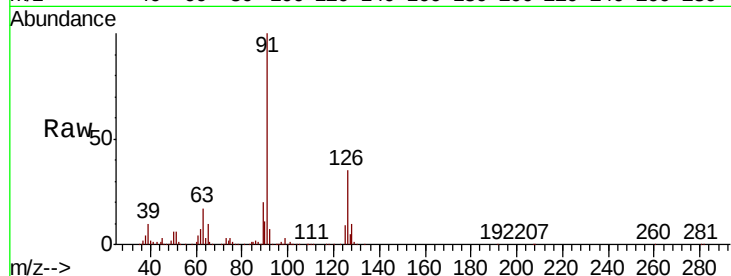




#79
 2-Chlorotoluene
 Concen: 54.442 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

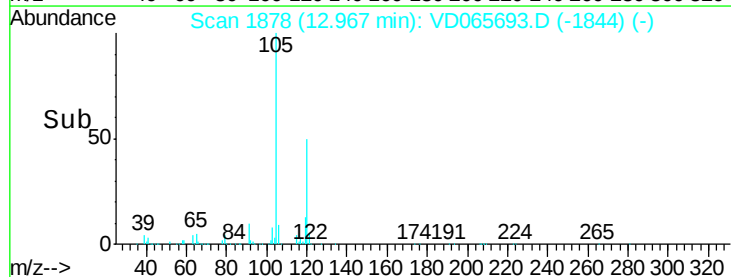
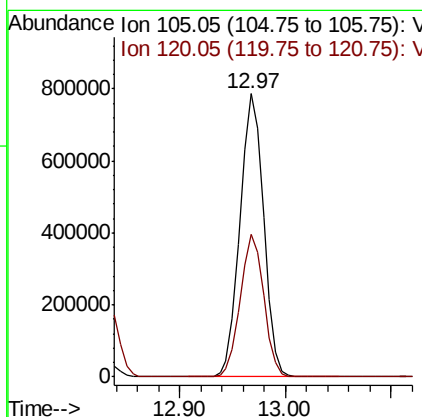
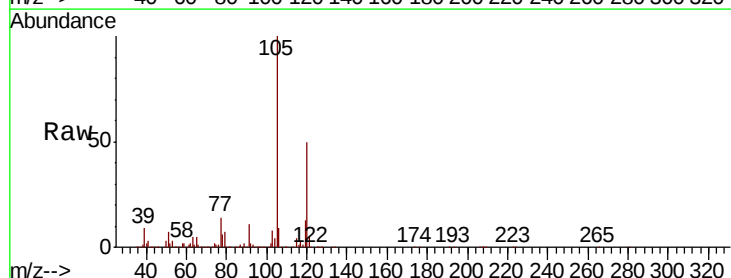
Instrument :
 MSVOA_D
 ClientSampled :

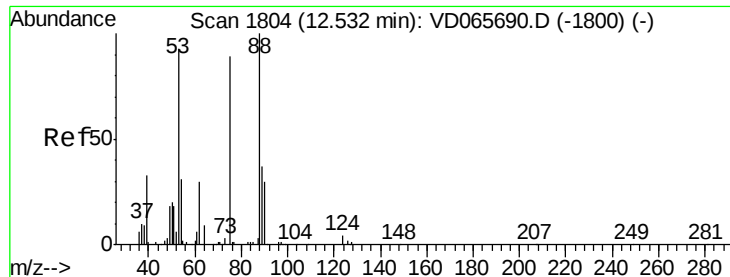
Tot Ion: 91 Resp: 970876
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.6 52.9



#80
 1,3,5-Trimethylbenzene
 Concen: 55.721 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

Tgt Ion: 105 Resp: 1220066
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.9 77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 52.847 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

ClientSampled :

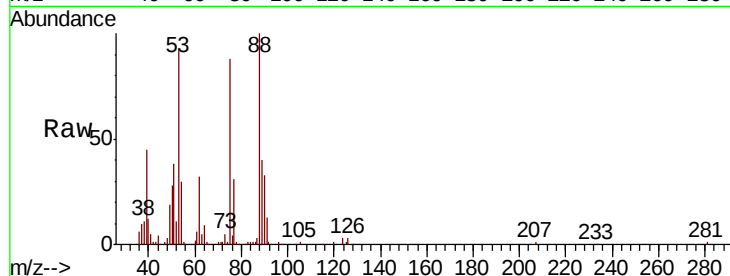
Tot Ion: 75 Resp: 79040

Ion Ratio Lower Upper

75 100

53 105.3 84.0 126.0

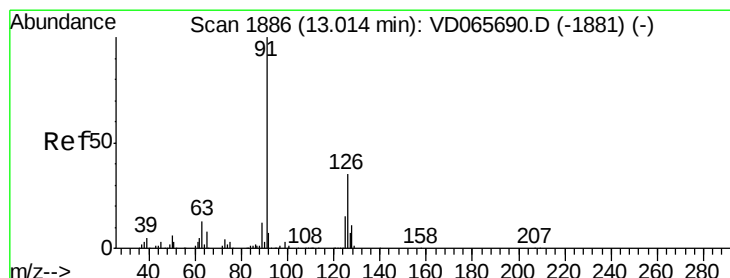
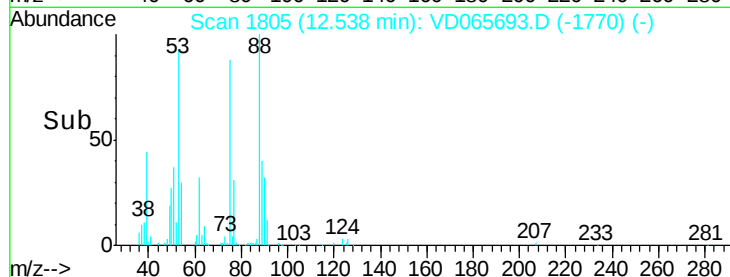
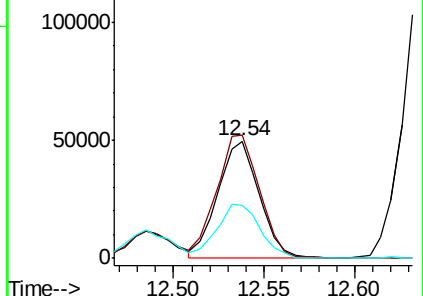
89 45.1 35.5 53.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 53.771 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065693.D

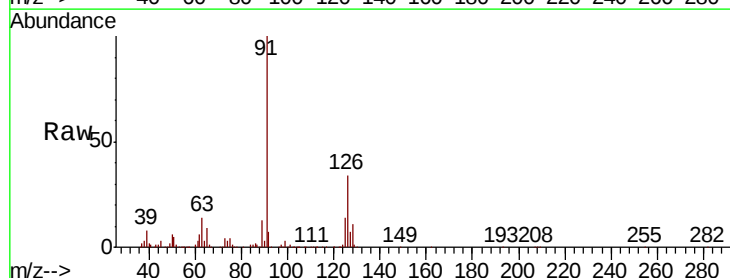
Acq: 01 May 2020 21:56

Tgt Ion: 91 Resp: 1038204

Ion Ratio Lower Upper

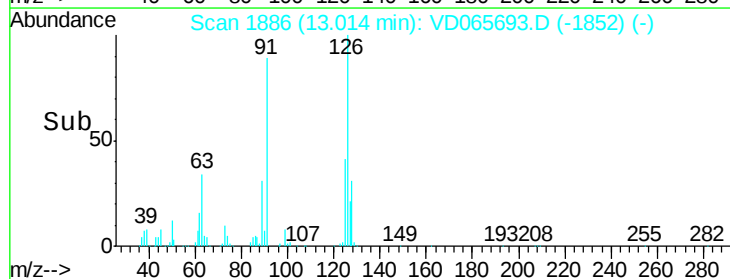
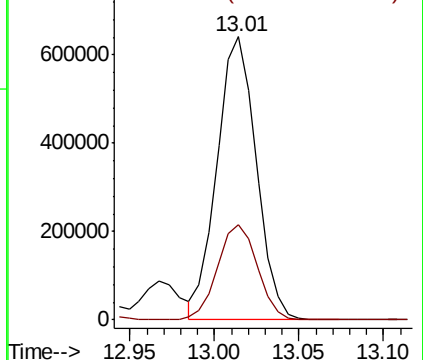
91 100

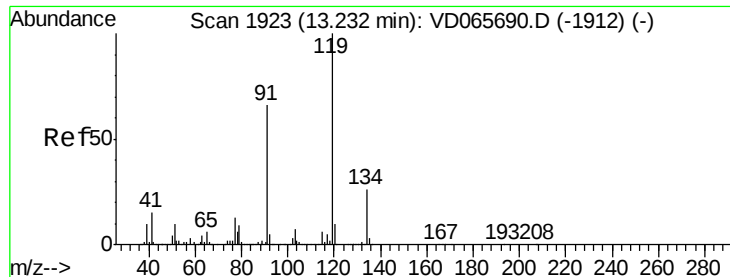
126 33.6 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

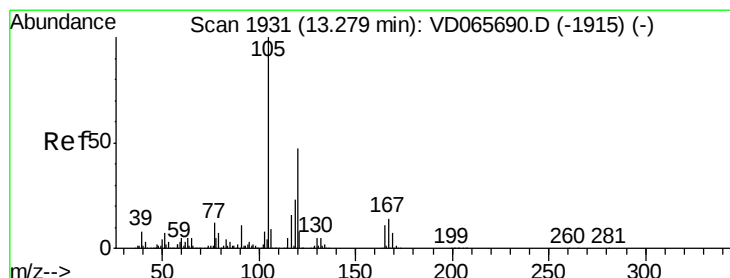
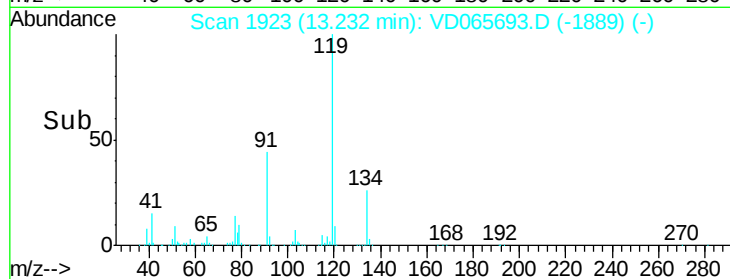
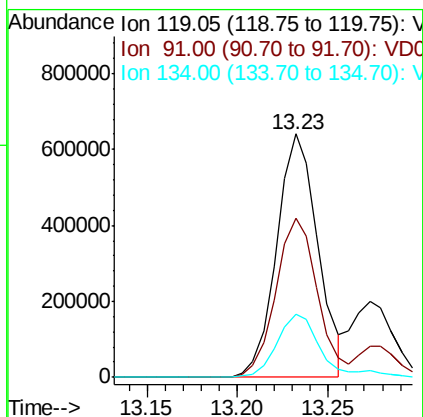
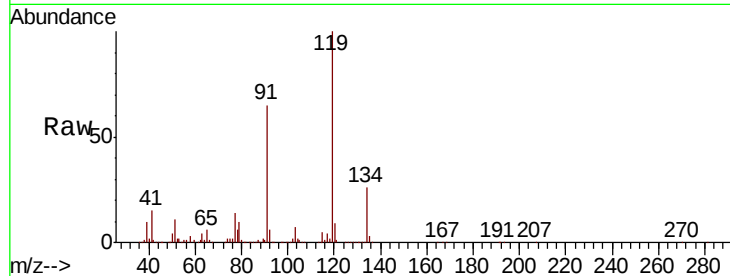




#83
tert-Butylbenzene
Concen: 55.788 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

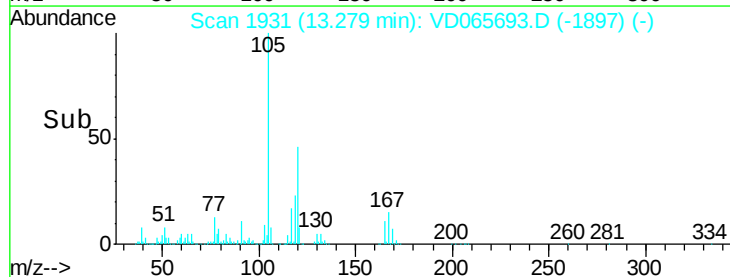
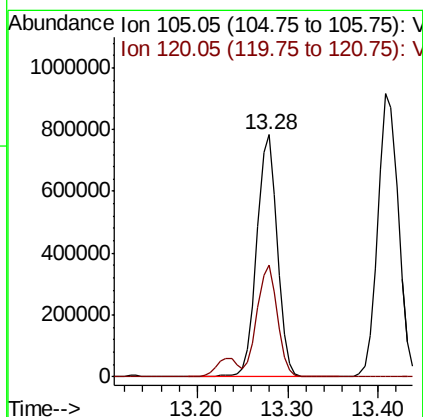
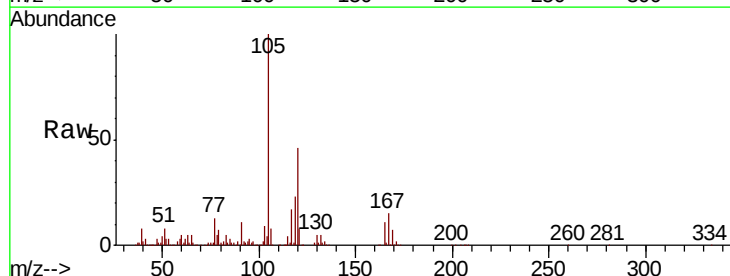
Instrument :
MSVOA_D
ClientSampleId :

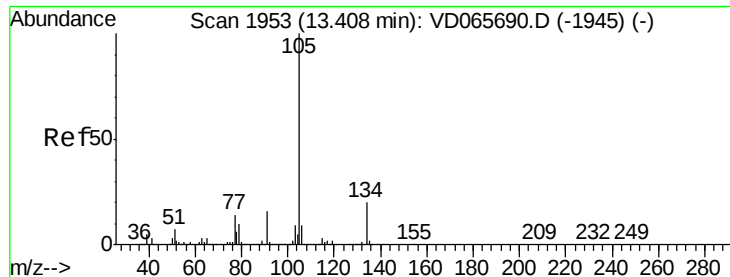
Tot Ion:119 Resp: 1015827
Ion Ratio Lower Upper
119 100
91 65.3 32.9 98.7
134 25.9 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 51.125 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion:105 Resp: 1227968
Ion Ratio Lower Upper
105 100
120 46.1 23.3 69.8





#85

sec-Butylbenzene

Concen: 55.657 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

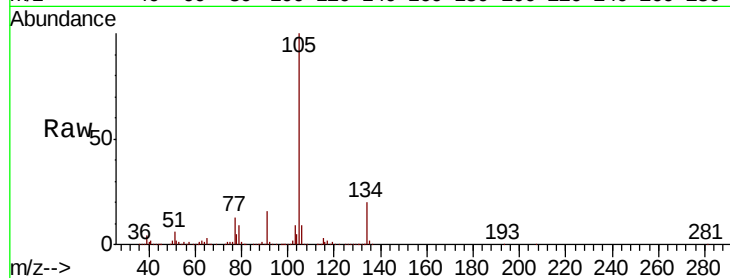
ClientSampled :

Tot Ion:105 Resp: 1438035

Ion Ratio Lower Upper

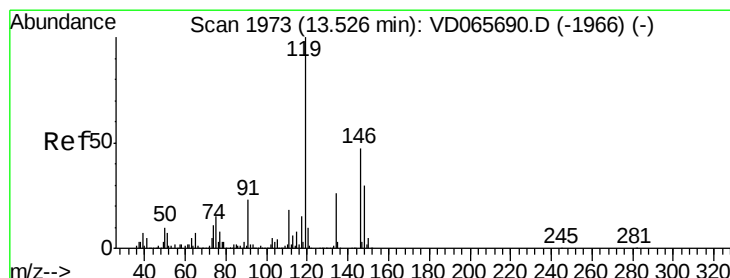
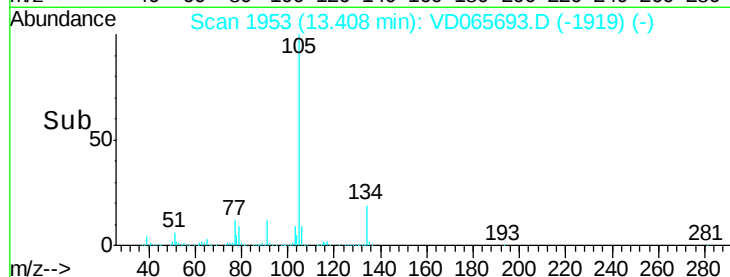
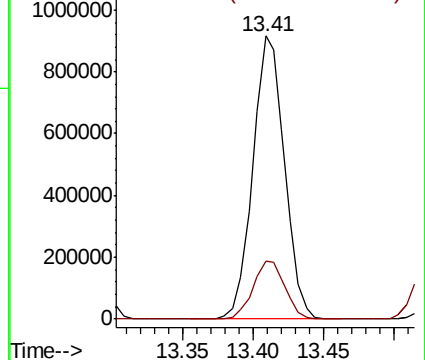
105 100

134 20.4 10.3 30.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 56.117 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

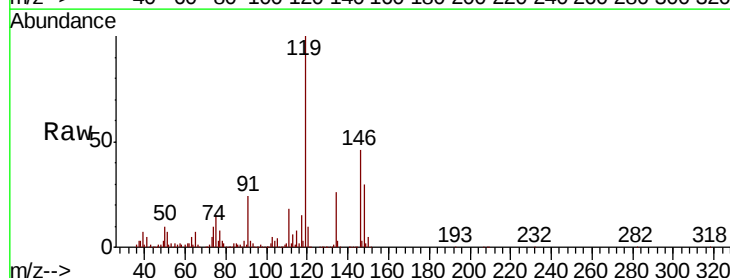
Tgt Ion:119 Resp: 1354848

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

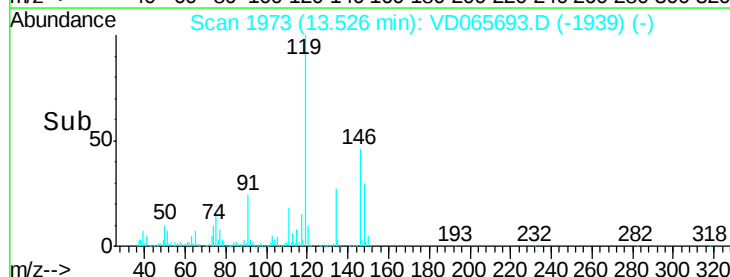
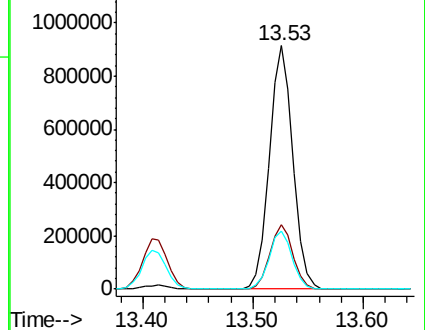
91 23.6 11.7 35.1

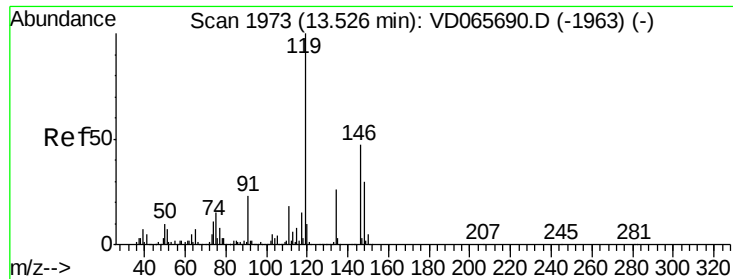


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.985 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

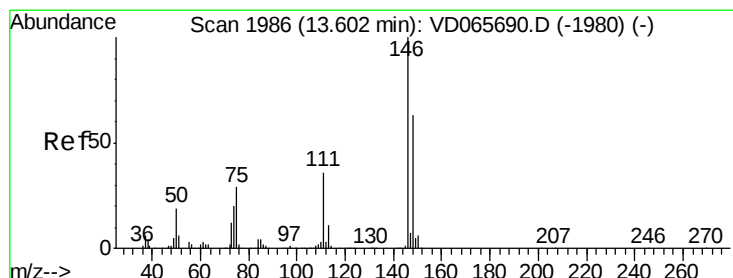
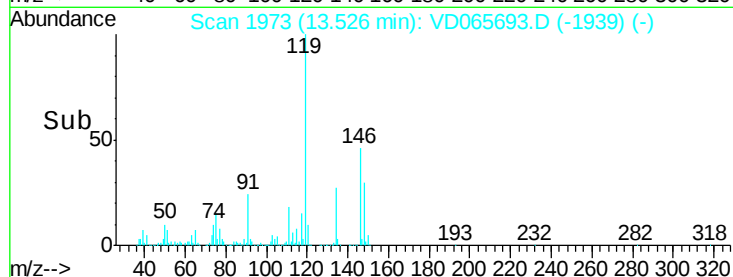
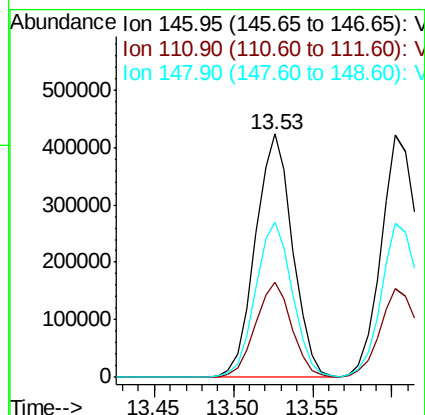
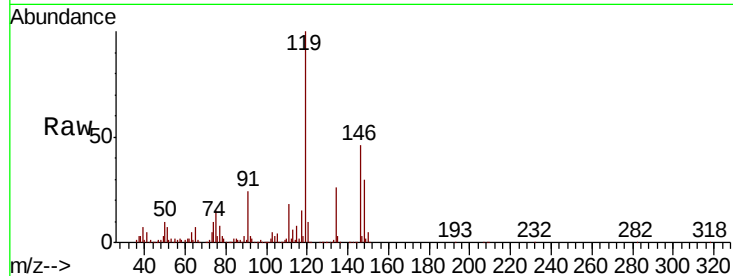
Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:146 Resp: 690043

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.2
148	63.9	31.4	94.0



#88

1,4-Dichlorobenzene

Concen: 51.063 ug/l

RT: 13.60 min Scan# 1986

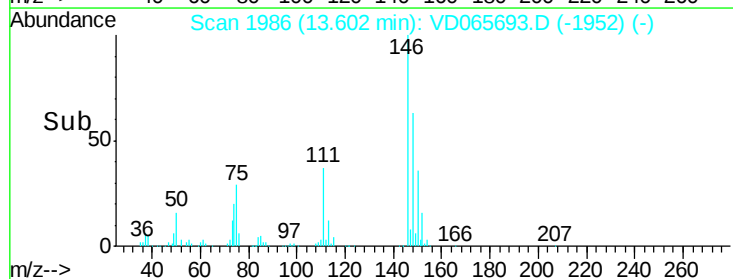
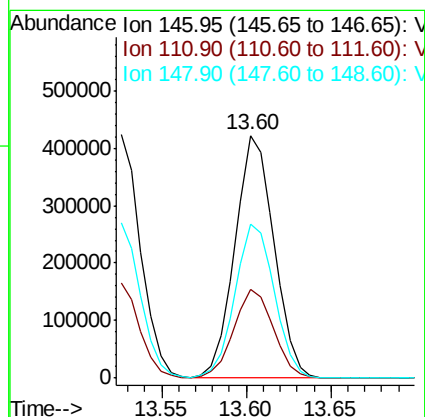
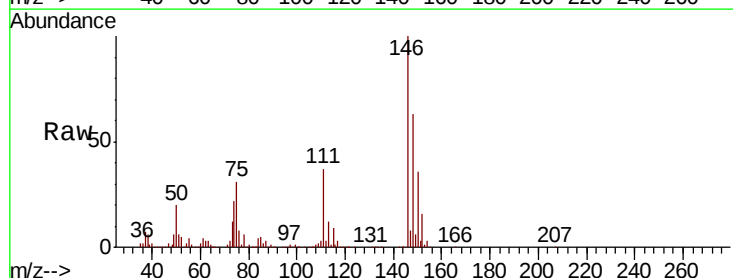
Delta R.T. 0.00 min

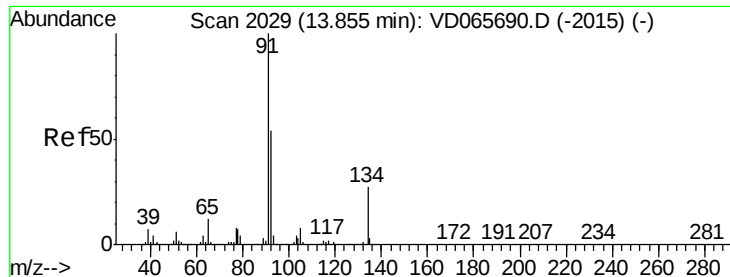
Lab File: VD065693.D

Acq: 01 May 2020 21:56

Tgt Ion:146 Resp: 680640

Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.3	54.9
148	63.5	31.6	94.8

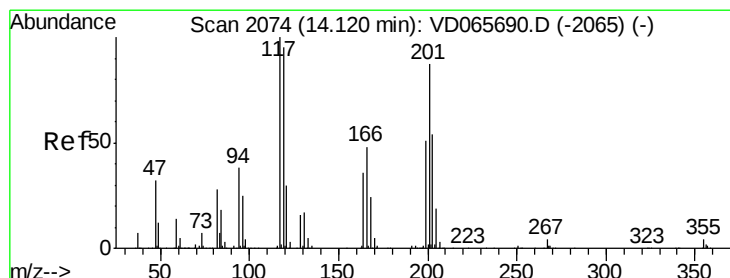
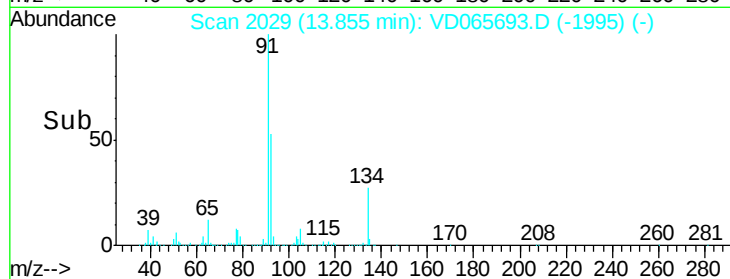
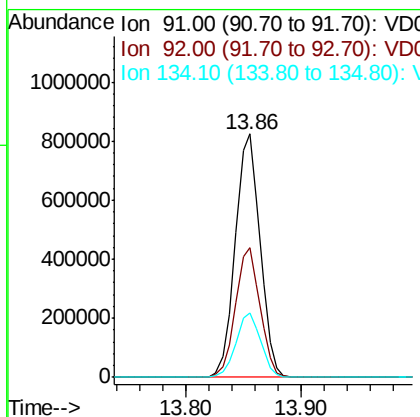
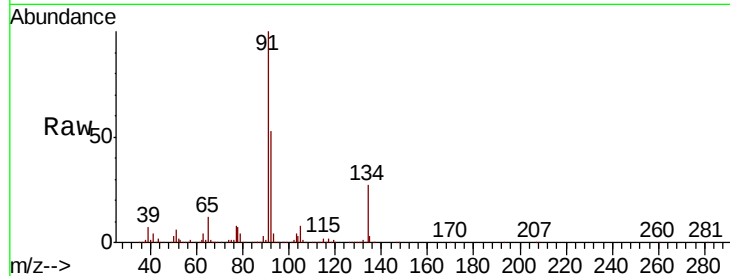




#89
n-Butylbenzene
Concen: 55.437 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

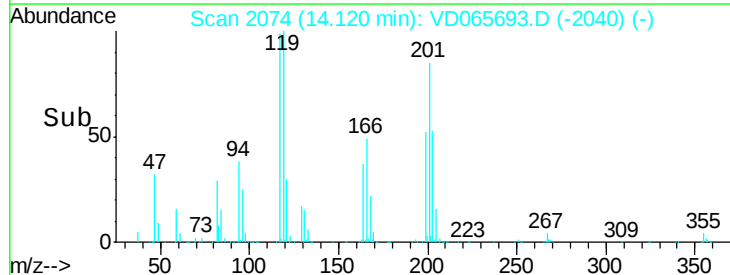
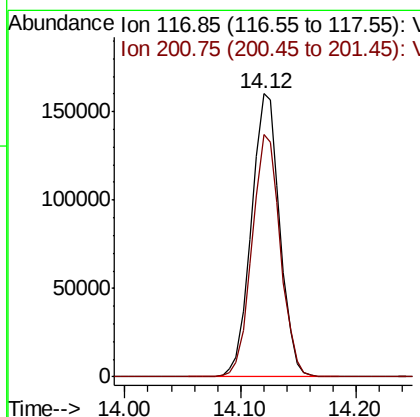
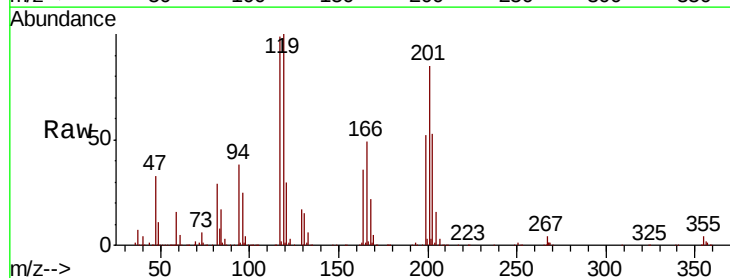
Instrument :
MSVOA_D
ClientSampleId :

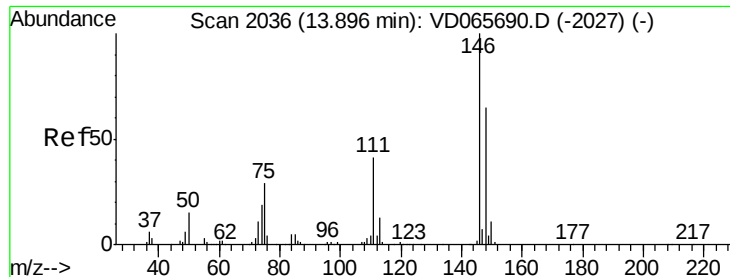
Tot Ion: 91 Resp: 1225510
Ion Ratio Lower Upper
91 100
92 53.3 27.0 81.0
134 26.7 13.5 40.5



#90
Hexachloroethane
Concen: 52.218 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065693.D
Acq: 01 May 2020 21:56

Tgt Ion: 117 Resp: 274498
Ion Ratio Lower Upper
117 100
201 85.5 43.7 131.1





#91

1,2-Dichlorobenzene

Concen: 52.108 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065693.D

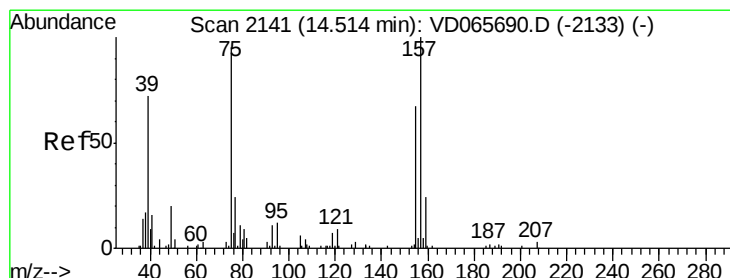
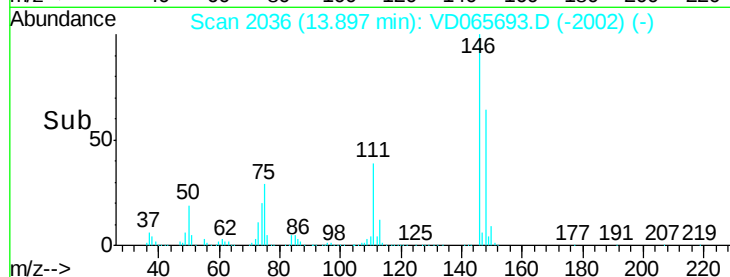
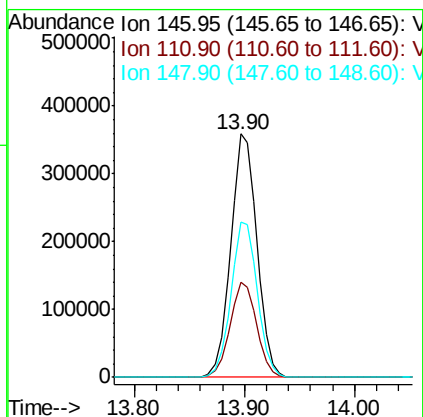
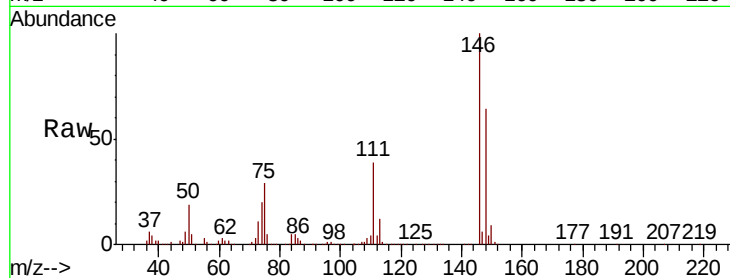
Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

ClientSampled :

Tot Ion:	146	Resp:	597358
Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	60.8
148	63.9	32.5	97.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.883 ug/l

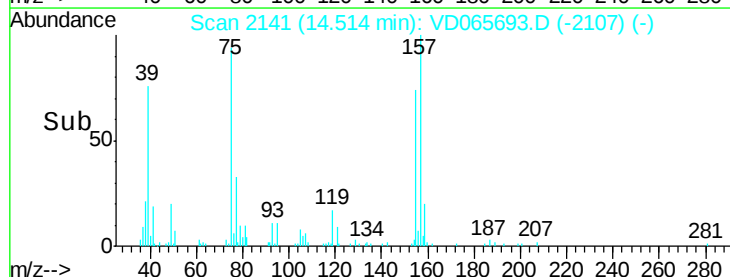
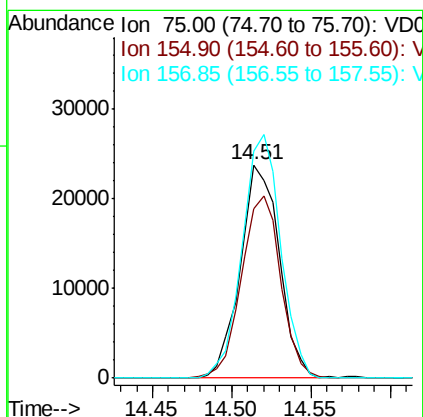
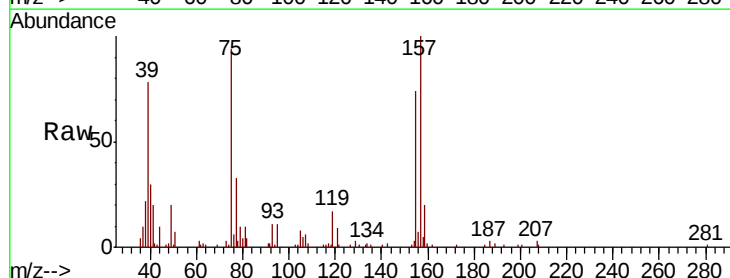
RT: 14.51 min Scan# 2141

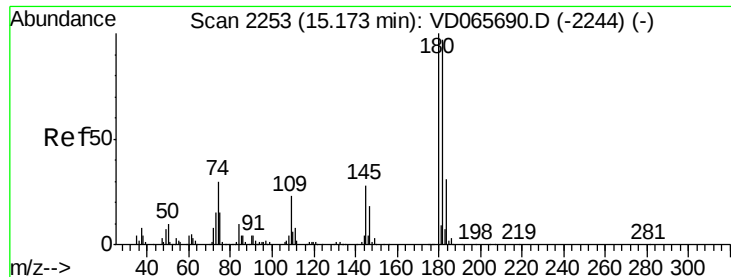
Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Tgt Ion:	75	Resp:	40656
Ion	Ratio	Lower	Upper
75	100		
155	79.3	35.4	106.3
157	106.5	52.6	157.8

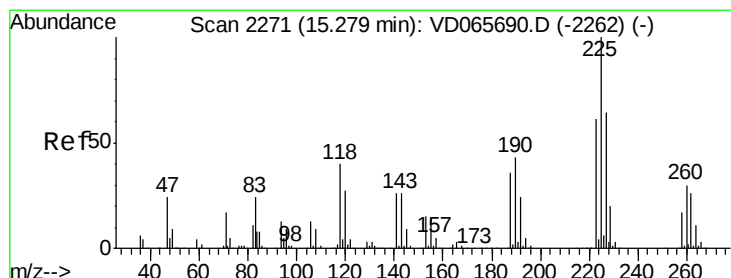
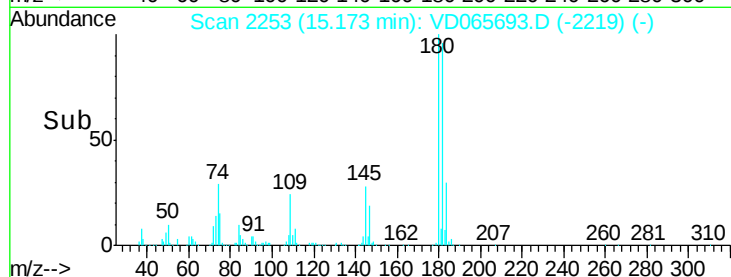
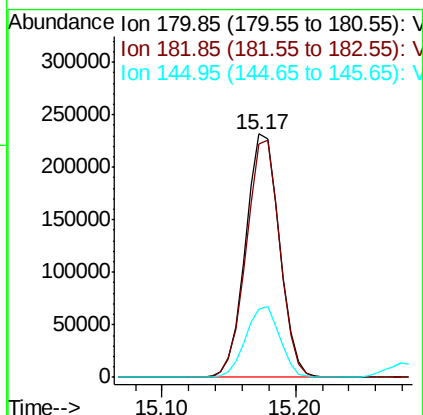
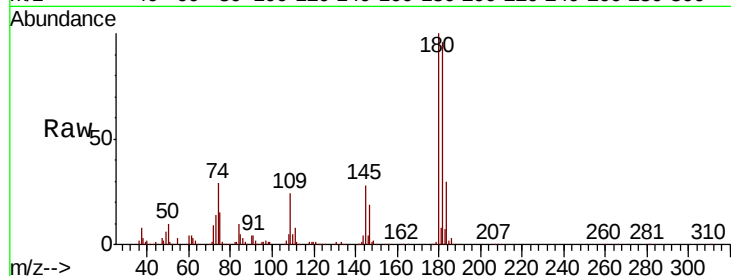




#93
 1,2,4-Trichlorobenzene
 Concen: 54.888 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

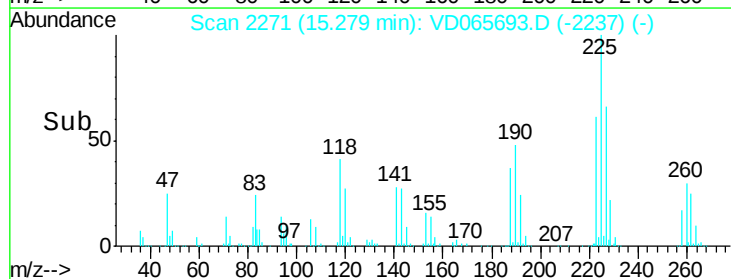
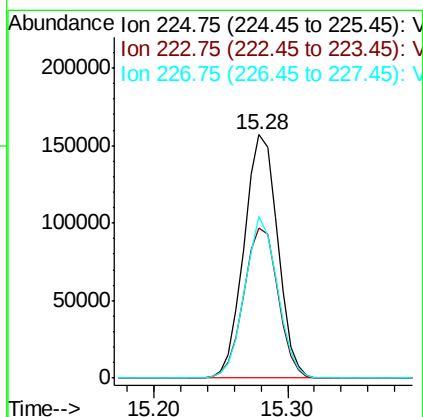
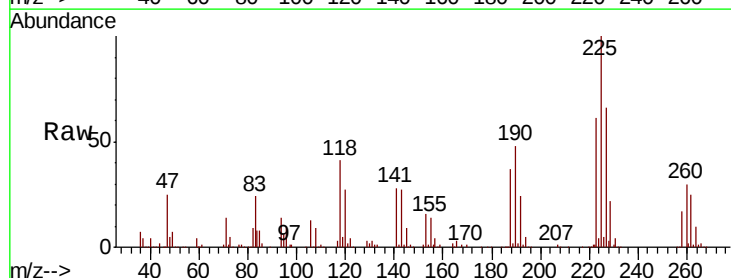
Instrument :
 MSVOA_D
 ClientSampleId :

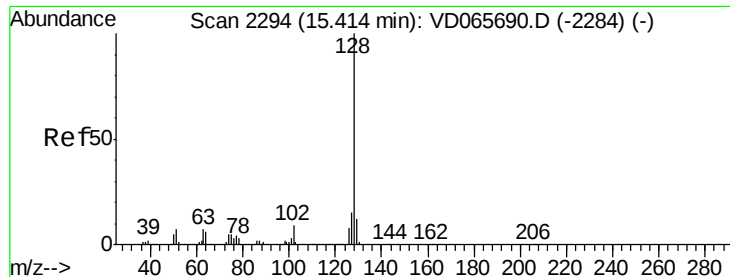
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.5	145.5
145	28.2	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 52.408 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065693.D
 Acq: 01 May 2020 21:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.4	91.3
227	66.4	32.0	96.0





#95

Naphthalene

Concen: 52.576 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

Instrument :

MSVOA_D

ClientSampleId :

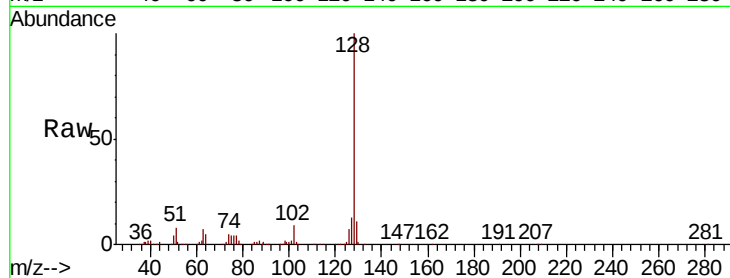
Tot Ion:128 Resp: 663682

Ion Ratio Lower Upper

128 100

127 13.1 11.8 17.6

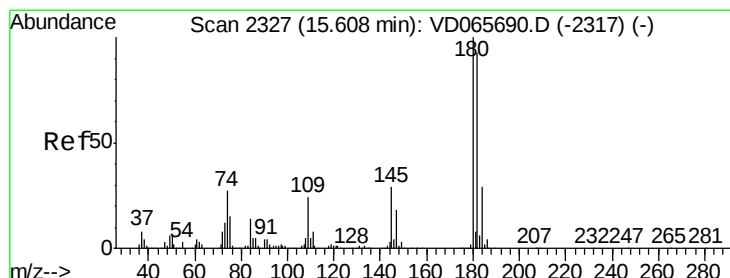
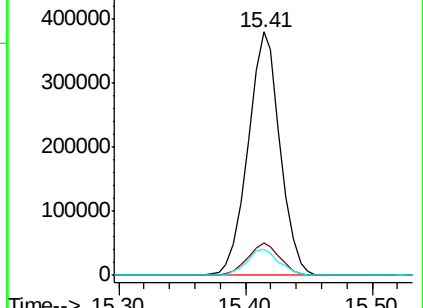
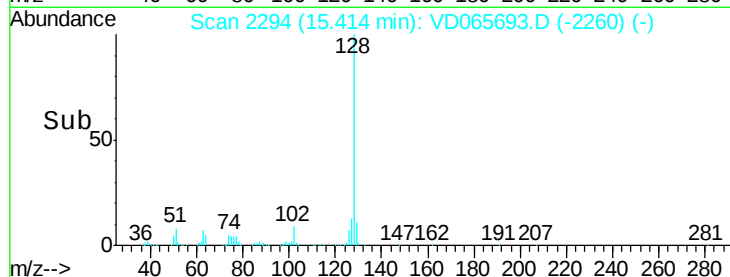
129 10.6 9.6 14.4



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: 56.793 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065693.D

Acq: 01 May 2020 21:56

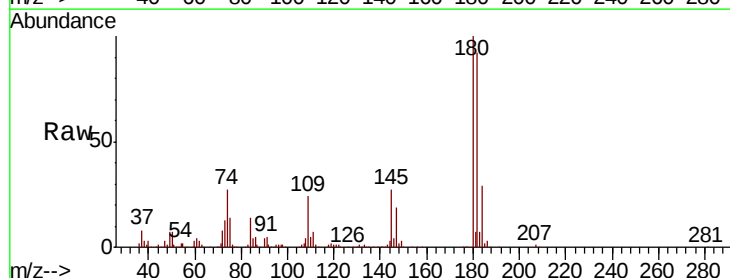
Tgt Ion:180 Resp: 365099

Ion Ratio Lower Upper

180 100

182 91.6 46.6 139.7

145 27.0 14.5 43.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

