

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065701.D
 Acq On : 06 May 2020 17:27
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 06 18:06:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 17:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	469628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	734967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	652020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	306678	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	223542	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	7.92	113	219904	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.34	98	858248	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
62) 4-Bromofluorobenzene	12.64	95	294773	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	171518	46.564	ug/l	99
3) Chloromethane	2.21	50	228501	49.188	ug/l	98
4) Vinyl Chloride	2.35	62	233556	49.619	ug/l	95
5) Bromomethane	2.77	94	151822	51.107	ug/l	96
6) Chloroethane	2.92	64	149376	49.404	ug/l	92
7) Trichlorofluoromethane	3.27	101	351808	46.856	ug/l	98
8) Diethyl Ether	3.71	74	115065	48.916	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	219038	48.058	ug/l	98
10) Methyl Iodide	4.30	142	216433	48.410	ug/l	99
11) Tert butyl alcohol	5.23	59	92297	265.661	ug/l	99
12) 1,1-Dichloroethene	4.07	96	211632	47.245	ug/l	96
13) Acrolein	3.93	56	89843	232.437	ug/l	99
14) Allyl chloride	4.71	41	423262	47.399	ug/l	99
15) Acrylonitrile	5.43	53	270882	244.939	ug/l	98
16) Acetone	4.16	43	222793	221.831	ug/l	97
17) Carbon Disulfide	4.41	76	705209	47.875	ug/l	98
18) Methyl Acetate	4.72	43	121055	48.477	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	536442	49.390	ug/l	97
20) Methylene Chloride	4.97	84	237654	46.974	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	245130	47.802	ug/l	98
22) Diisopropyl ether	6.37	45	808272	48.672	ug/l	99
23) Vinyl Acetate	6.31	43	2479092	247.169	ug/l	100
24) 1,1-Dichloroethane	6.27	63	433657	47.670	ug/l	100
25) 2-Butanone	7.21	43	355054	238.331	ug/l	99
26) 2,2-Dichloropropane	7.21	77	380379	46.441	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	273485	49.149	ug/l	98
28) Bromochloromethane	7.55	49	189566	49.962	ug/l	97
29) Tetrahydrofuran	7.57	42	237175	247.005	ug/l	99
30) Chloroform	7.71	83	425450	48.600	ug/l	98
31) Cyclohexane	7.98	56	421087	44.734	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	382997	47.197	ug/l	100
36) 1,1-Dichloropropene	8.11	75	341588	46.798	ug/l	98
37) Ethyl Acetate	7.30	43	167049	47.530	ug/l	98
38) Carbon Tetrachloride	8.10	117	342357	47.307	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	435336	47.507	ug/l	98
40) Benzene	8.36	78	960133	48.165	ug/l	99
41) Methacrylonitrile	7.56	41	232070	114.477	ug/l #	20
42) 1,2-Dichloroethane	8.43	62	275846	48.089	ug/l	98
43) Isopropyl Acetate	8.46	43	341413	48.577	ug/l	99
44) Trichloroethene	9.11	130	265535	48.337	ug/l	94
45) 1,2-Dichloropropane	9.39	63	248521	48.208	ug/l	96
46) Dibromomethane	9.48	93	125401	48.495	ug/l	98
47) Bromodichloromethane	9.67	83	332231	48.045	ug/l	99
48) Methyl methacrylate	9.46	41	168562	47.899	ug/l	98
49) 1,4-Dioxane	9.47	88	32600	1028.470	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	833142	245.967	ug/l	99
52) Toluene	10.41	92	613413	48.660	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	343251	49.006	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	393564	47.696	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	172330	49.434	ug/l	98
56) Ethyl methacrylate	10.67	69	247876	49.245	ug/l	97
57) 1,3-Dichloropropane	10.95	76	308664	49.250	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	570703	246.977	ug/l	99
59) 2-Hexanone	10.99	43	569020	244.243	ug/l	99
60) Dibromochloromethane	11.14	129	227464	48.573	ug/l	99
61) 1,2-Dibromoethane	11.25	107	171594	48.922	ug/l	99
64) Tetrachloroethene	10.88	164	221033	47.635	ug/l	98
65) Chlorobenzene	11.68	112	636200	48.430	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	238680	48.730	ug/l	99
67) Ethyl Benzene	11.75	91	1180183	48.157	ug/l	98
68) m/p-Xylenes	11.86	106	885739	96.949	ug/l	99
69) o-Xylene	12.18	106	409727	48.061	ug/l	100
70) Styrene	12.20	104	711260	48.525	ug/l	100
71) Bromoform	12.37	173	136307	49.459	ug/l #	100
73) Isopropylbenzene	12.48	105	1124221	48.382	ug/l	100
74) N-amyl acetate	12.30	43	321728	48.500	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	189202	48.557	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	262418	101.312	ug/l #	100
77) Bromobenzene	12.77	156	266592	50.033	ug/l	97
78) n-propylbenzene	12.83	91	1321323	48.293	ug/l	100
79) 2-Chlorotoluene	12.91	91	745930	48.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	921338	48.296	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	72789	49.745	ug/l	96
82) 4-Chlorotoluene	13.01	91	772070	47.729	ug/l	99
83) tert-Butylbenzene	13.23	119	786505	48.435	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	911605	47.972	ug/l	99
85) sec-Butylbenzene	13.41	105	1112437	48.838	ug/l	100
86) p-Isopropyltoluene	13.53	119	1004504	48.394	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	489538	48.882	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	485924	49.179	ug/l	99
89) n-Butylbenzene	13.85	91	957596	47.617	ug/l	99
90) Hexachloroethane	14.12	117	200782	48.566	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	425240	49.208	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	32288	49.299	ug/l	93

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Quant Title : SW846 8260
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Response via : Initial Calibration

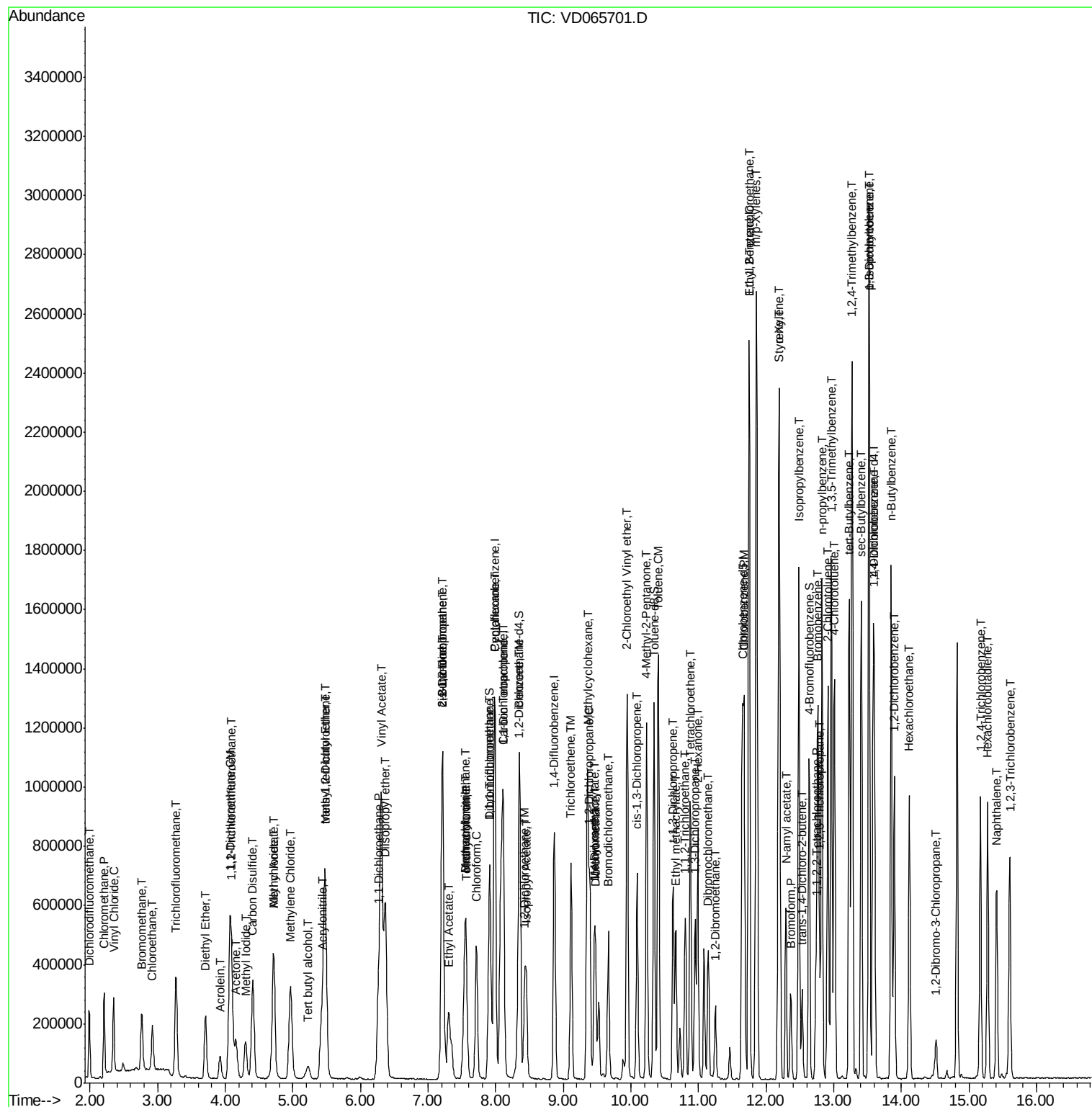
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	313586	48.365	ug/l	99
94) Hexachlorobutadiene	15.28	225	183087	48.725	ug/l	99
95) Naphthalene	15.41	128	568069	49.842	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	272808	49.464	ug/l	99

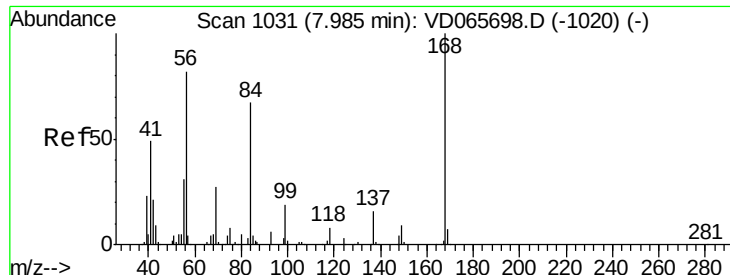
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

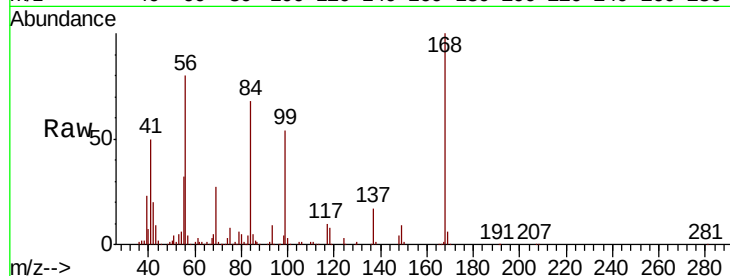
ClientSampleId :

Tot Ion:168 Resp: 469628

Ion Ratio Lower Upper

168 100

99 53.3 44.2 66.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

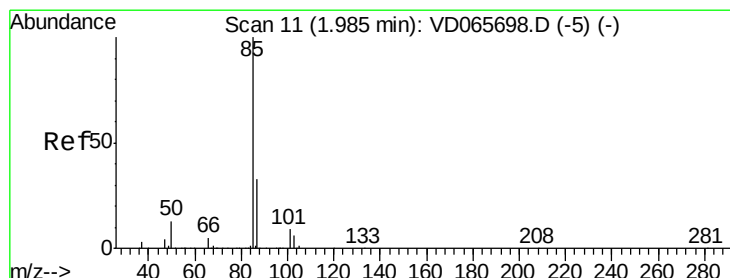
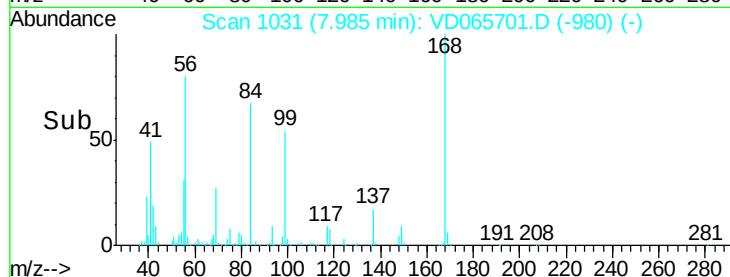
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.564 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065701.D

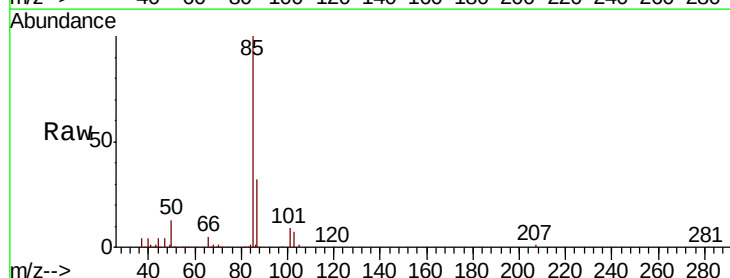
Acq: 06 May 2020 17:27

Tgt Ion: 85 Resp: 171518

Ion Ratio Lower Upper

85 100

87 32.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

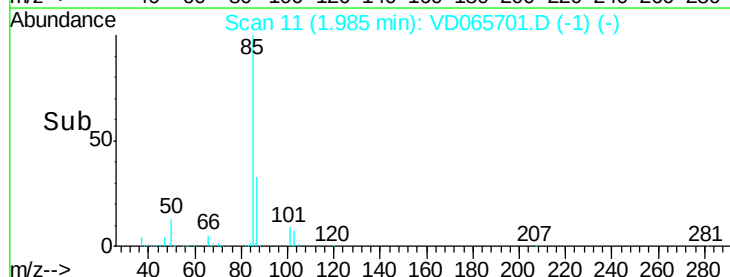
100000

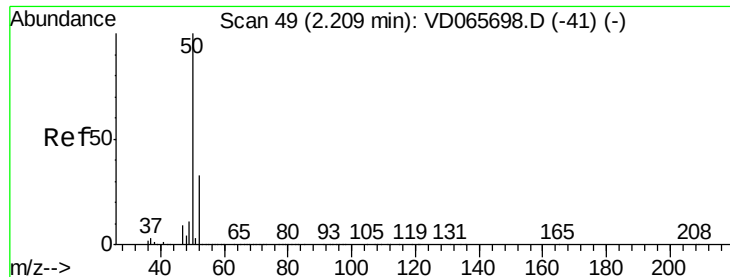
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 49.188 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

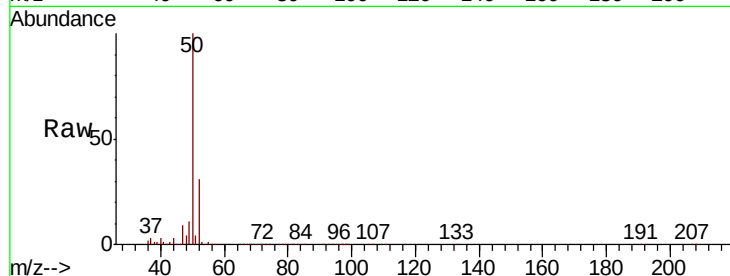
ClientSampleId :

Tot Ion: 50 Resp: 228501

Ion Ratio Lower Upper

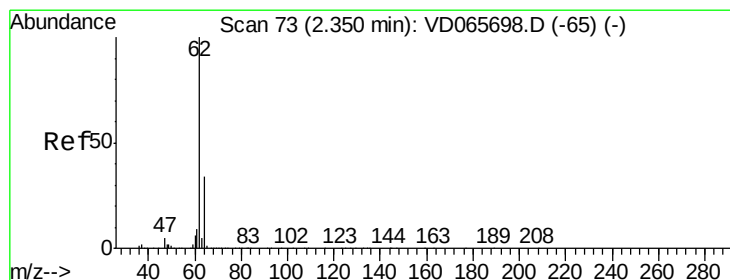
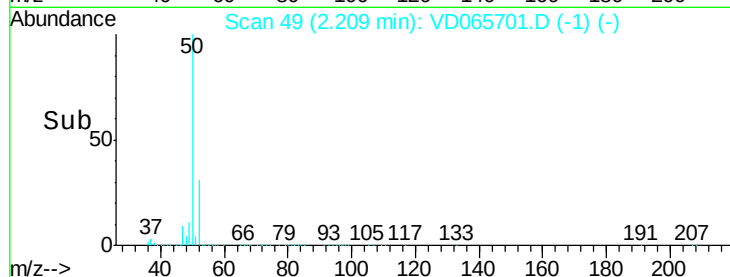
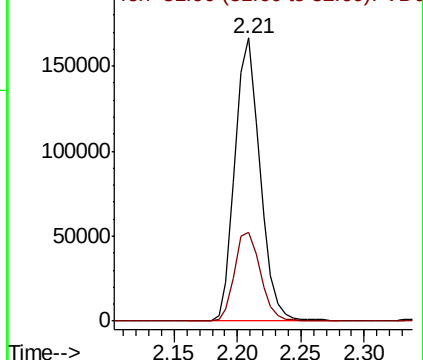
50 100

52 31.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.619 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065701.D

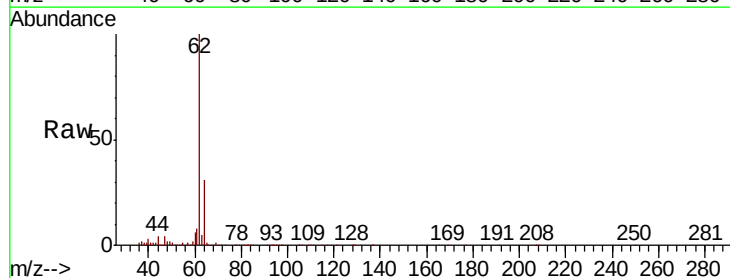
Acq: 06 May 2020 17:27

Tgt Ion: 62 Resp: 233556

Ion Ratio Lower Upper

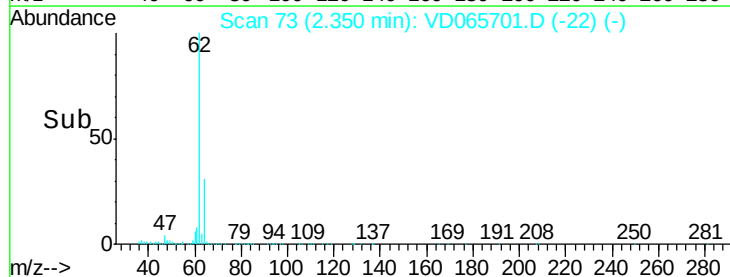
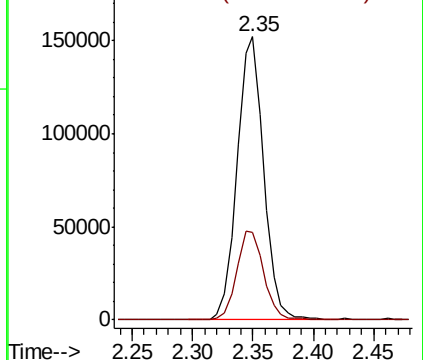
62 100

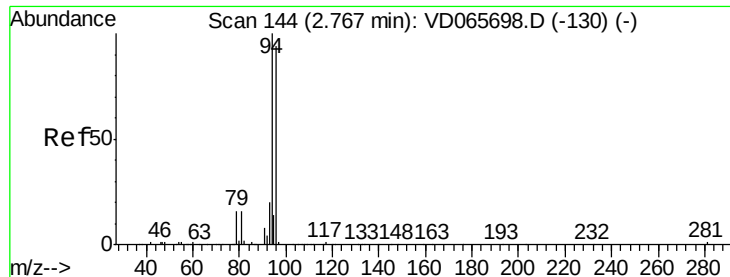
64 31.1 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 51.107 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

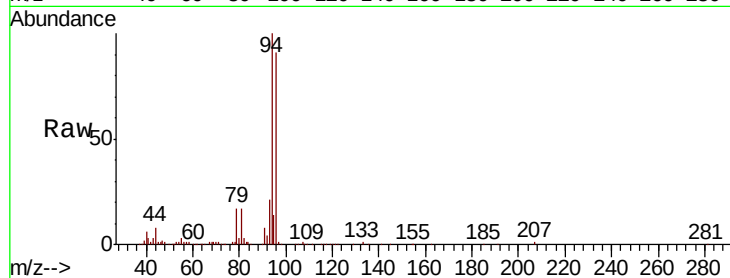
ClientSampleId :

Tot Ion: 94 Resp: 151822

Ion Ratio Lower Upper

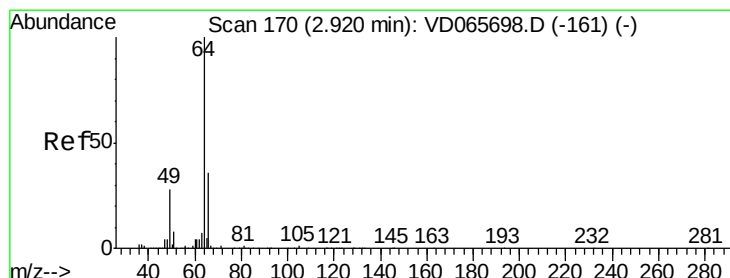
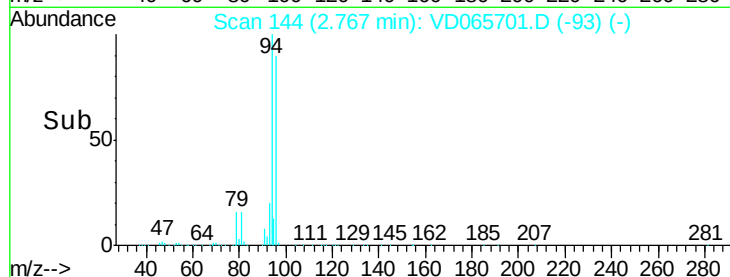
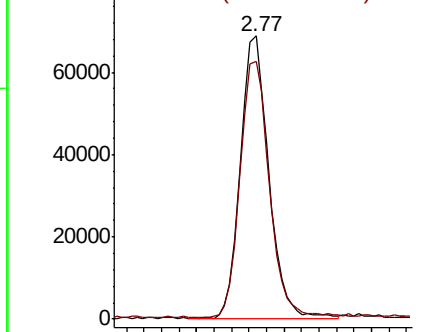
94 100

96 90.4 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.404 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065701.D

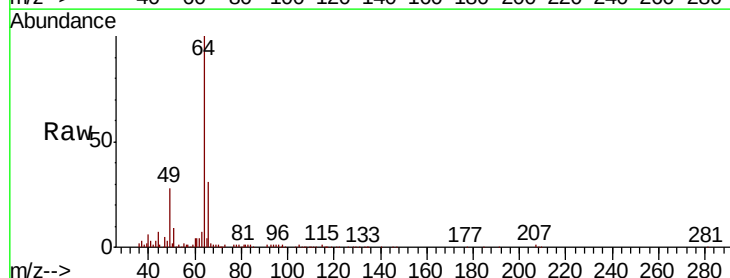
Acq: 06 May 2020 17:27

Tgt Ion: 64 Resp: 149376

Ion Ratio Lower Upper

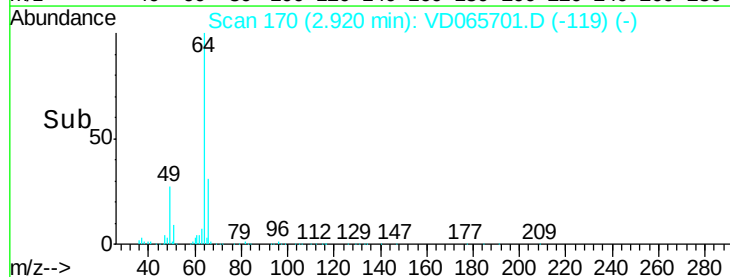
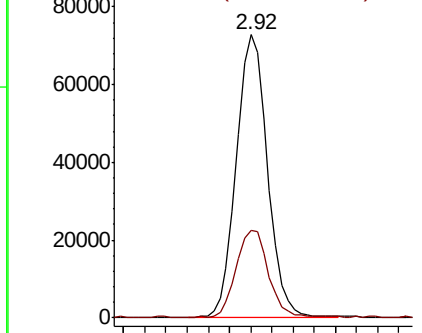
64 100

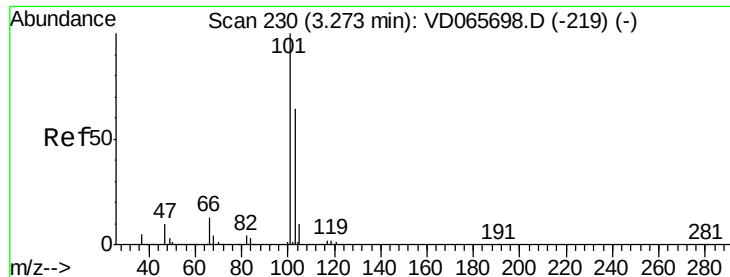
66 30.8 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



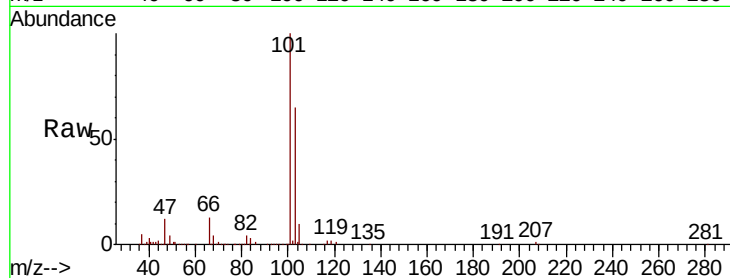


#7

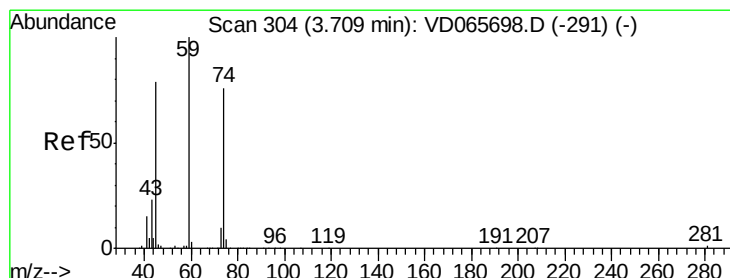
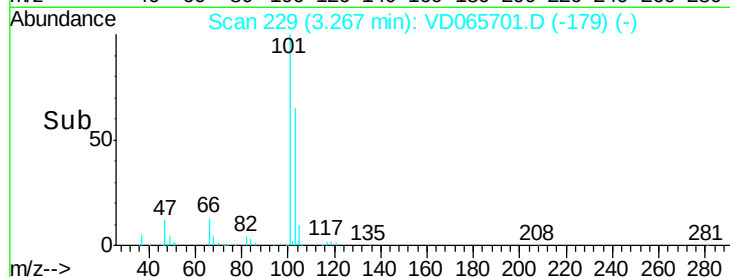
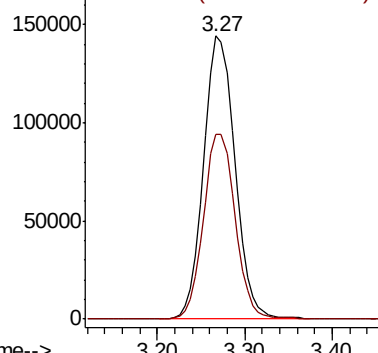
Trichlorofluoromethane
Concen: 46.856 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 351808
Ion Ratio Lower Upper
101 100
103 65.2 51.1 76.7



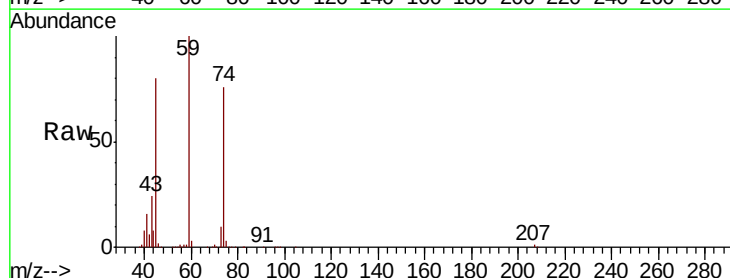
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



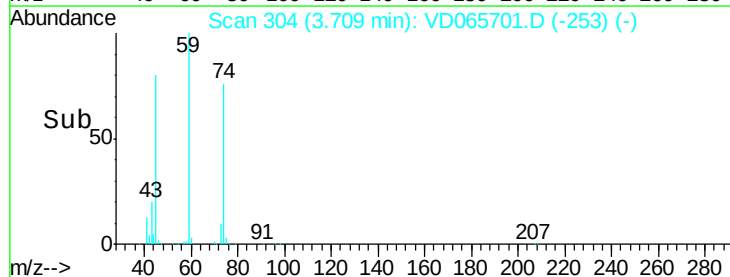
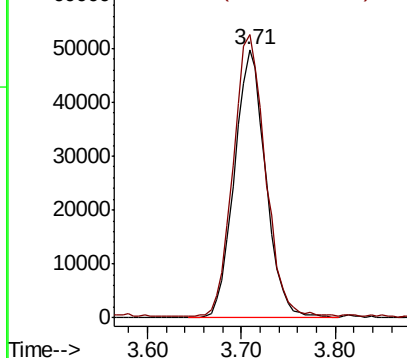
#8

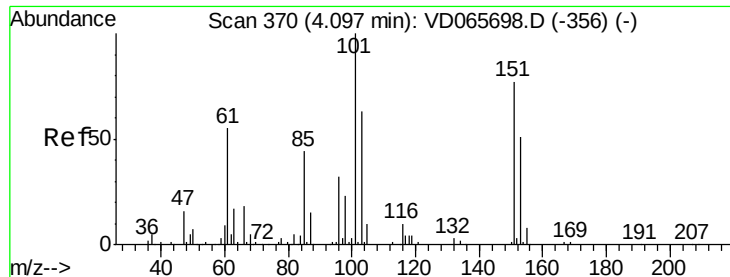
Diethyl Ether
Concen: 48.916 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion: 74 Resp: 115065
Ion Ratio Lower Upper
74 100
45 107.7 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.058 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

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ClientSampled :

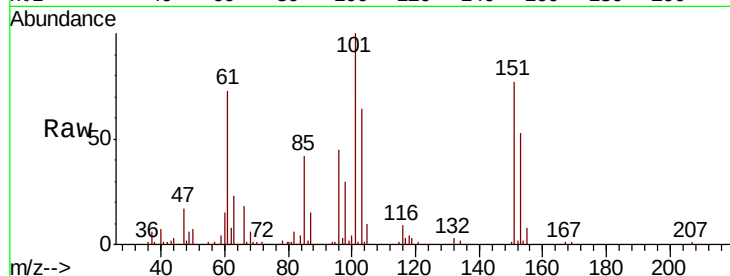
Tot Ion:101 Resp: 219038

Ion Ratio Lower Upper

101 100

85 44.5 34.4 51.6

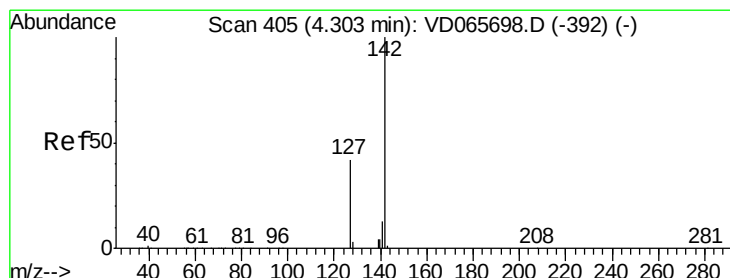
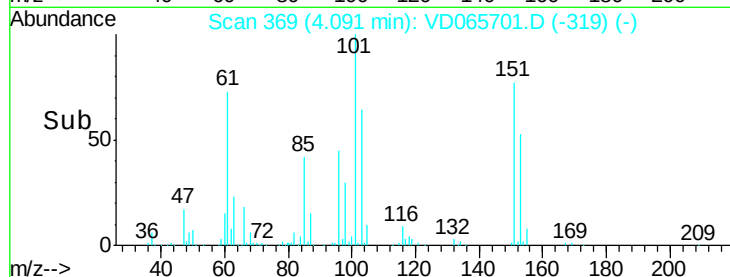
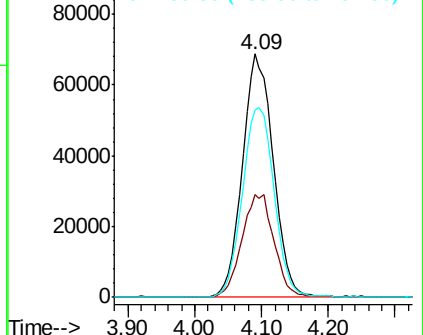
151 80.3 63.0 94.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VD

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.410 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

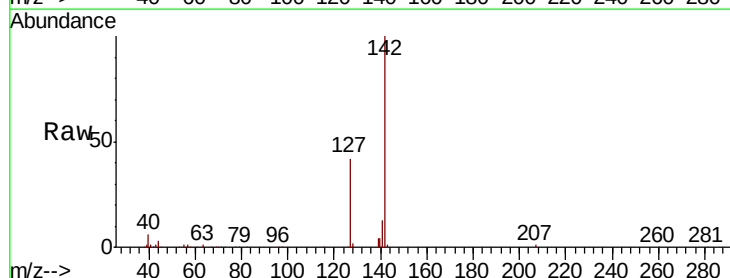
Tgt Ion:142 Resp: 216433

Ion Ratio Lower Upper

142 100

127 42.3 34.5 51.7

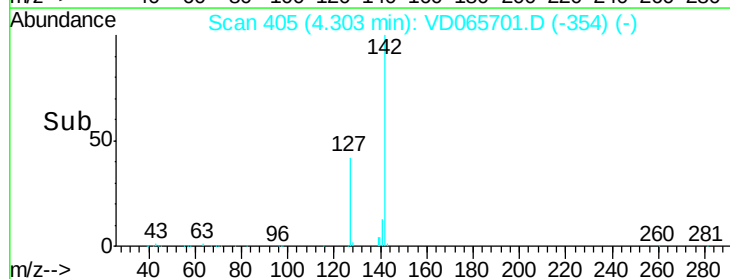
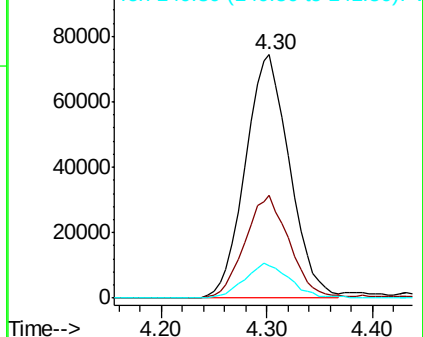
141 14.2 11.6 17.4

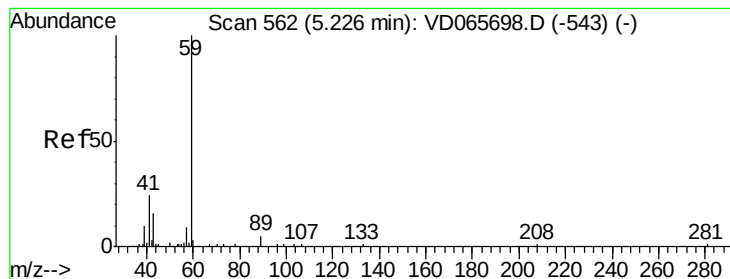


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



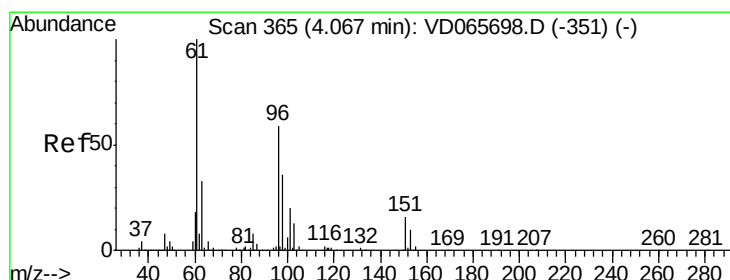
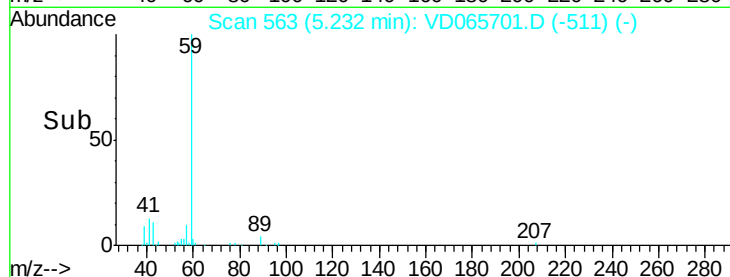
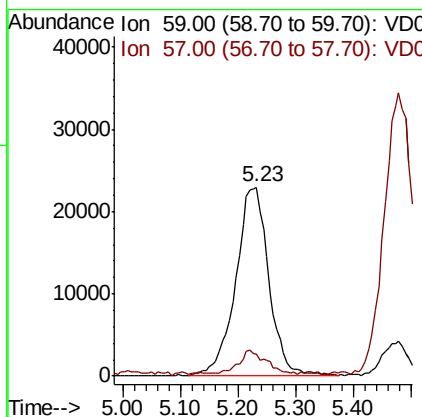
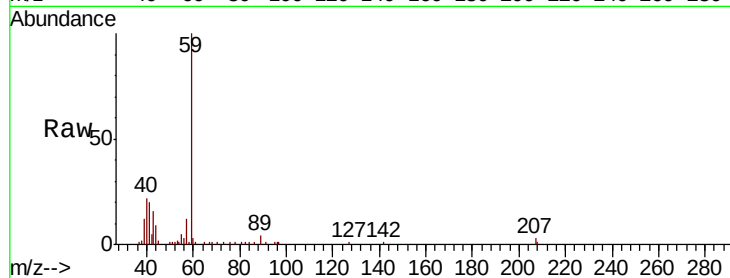


#11

Tert butyl alcohol
Concen: 265.661 ug/l
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :

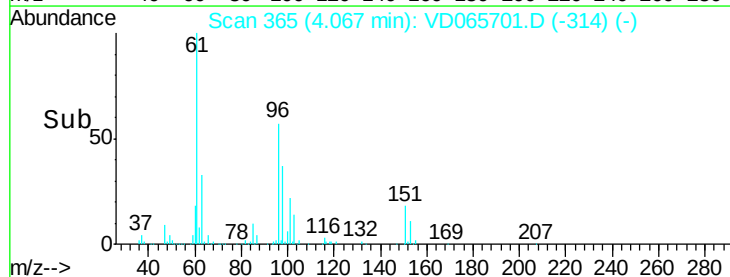
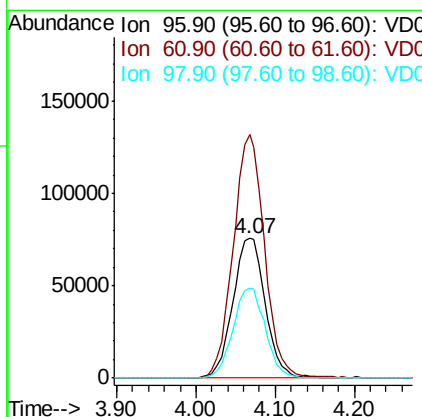
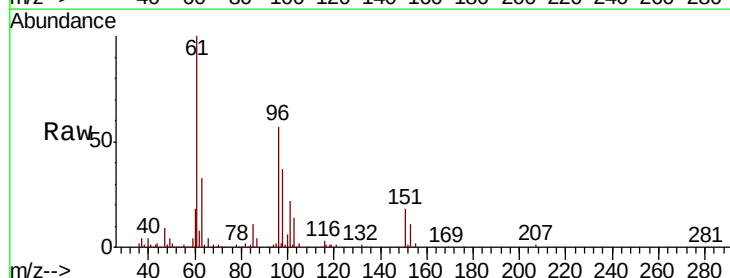
Tot Ion: 59 Resp: 92297
Ion Ratio Lower Upper
59 100
57 10.5 8.7 13.1

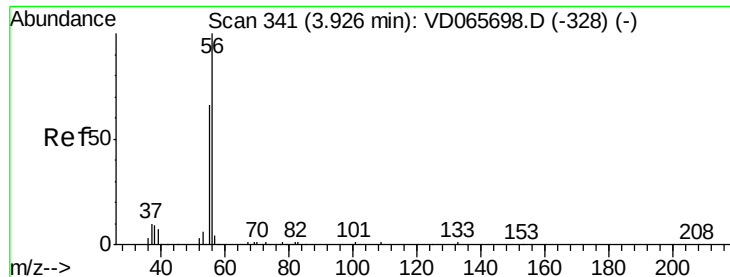


#12

1,1-Dichloroethene
Concen: 47.245 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion: 96 Resp: 211632
Ion Ratio Lower Upper
96 100
61 175.0 136.0 204.0
98 64.6 49.7 74.5





#13

Acrolein

Concen: 232.437 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

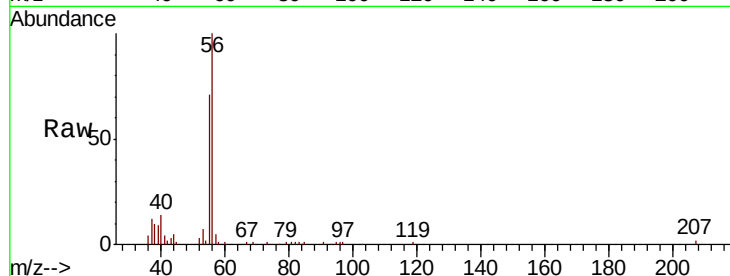
ClientSampleId :

Tot Ion: 56 Resp: 89843

Ion Ratio Lower Upper

56 100

55 72.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

30000

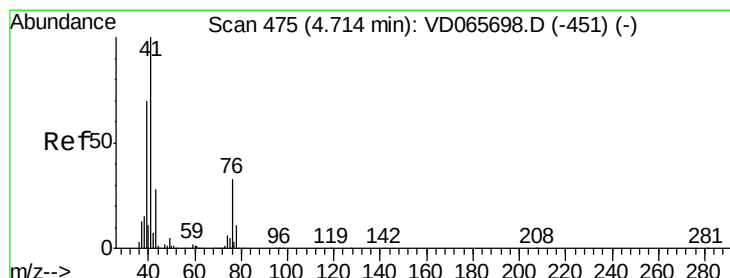
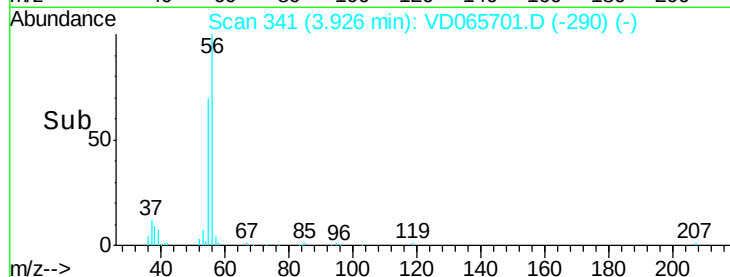
20000

10000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 47.399 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

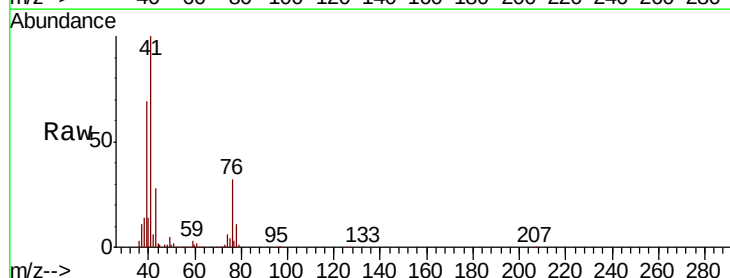
Tgt Ion: 41 Resp: 423262

Ion Ratio Lower Upper

41 100

39 68.4 55.6 83.4

76 31.6 25.6 38.4



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

150000

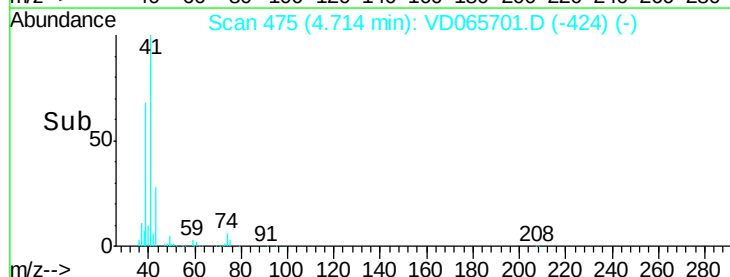
100000

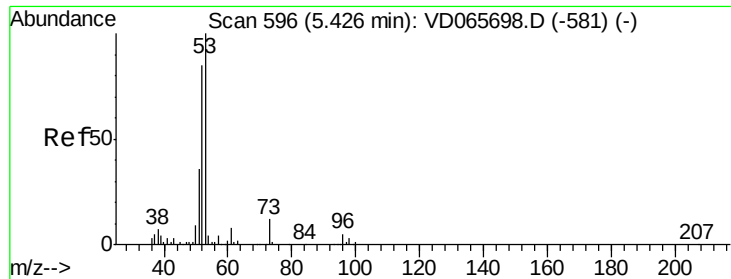
50000

0

Time-->

4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 244.939 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

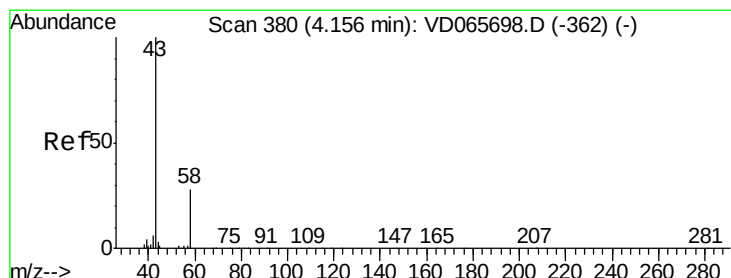
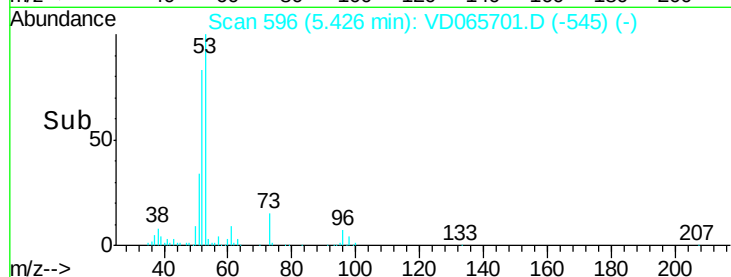
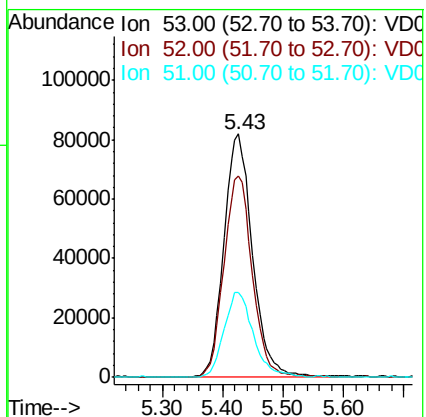
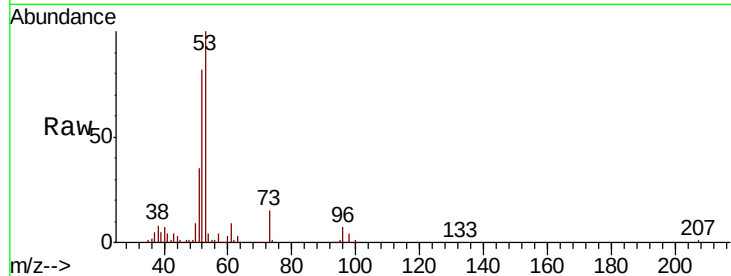
Tot Ion: 53 Resp: 270882

Ion Ratio Lower Upper

53 100

52 81.3 66.2 99.2

51 36.0 29.9 44.9



#16

Acetone

Concen: 221.831 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065701.D

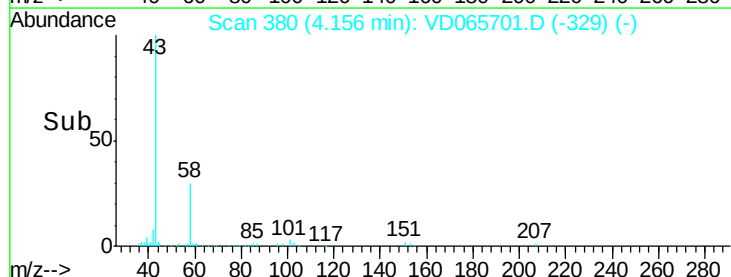
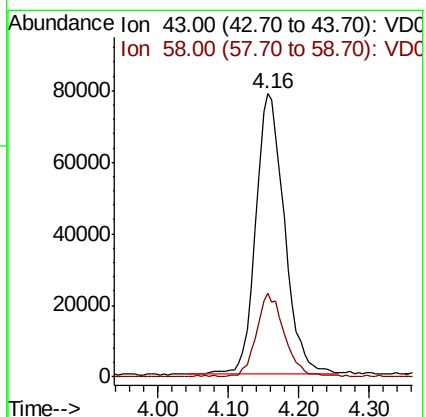
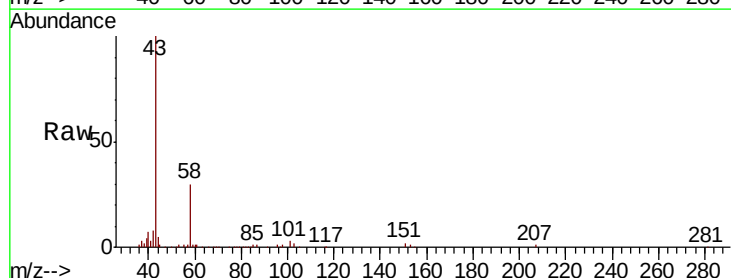
Acq: 06 May 2020 17:27

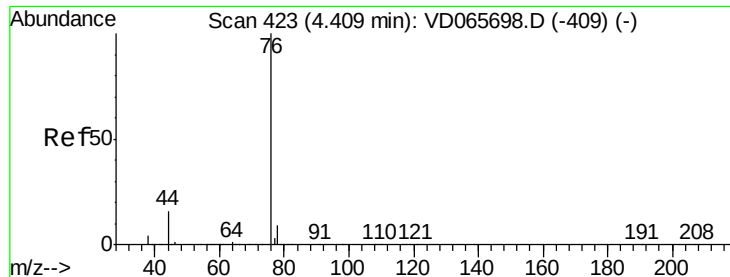
Tgt Ion: 43 Resp: 222793

Ion Ratio Lower Upper

43 100

58 29.7 22.5 33.7

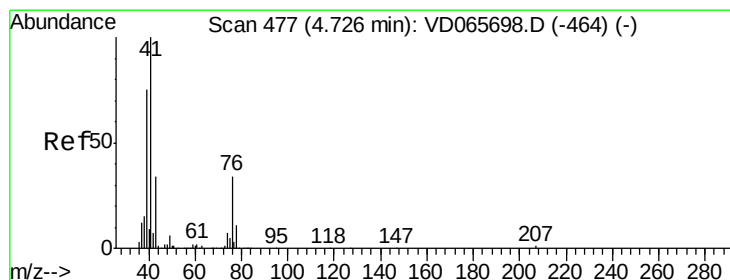
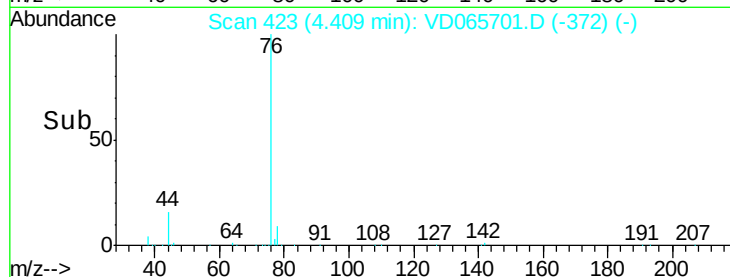
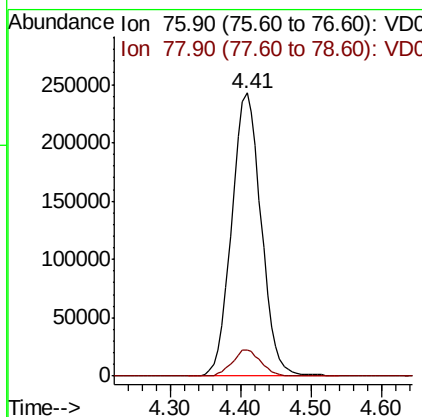
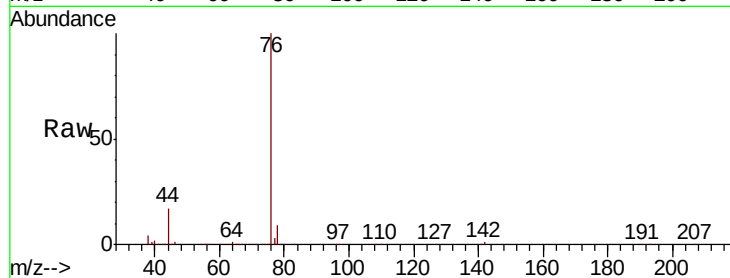




#17
Carbon Disulfide
Concen: 47.875 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

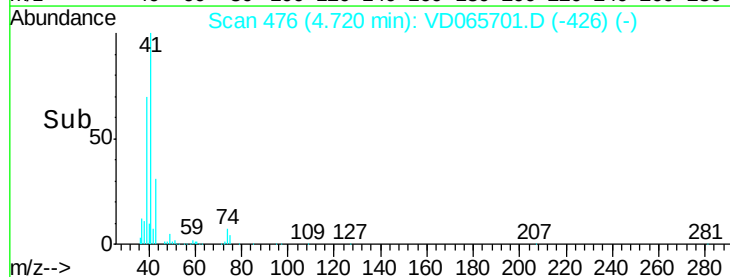
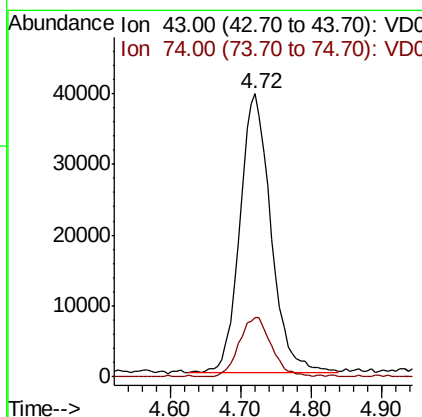
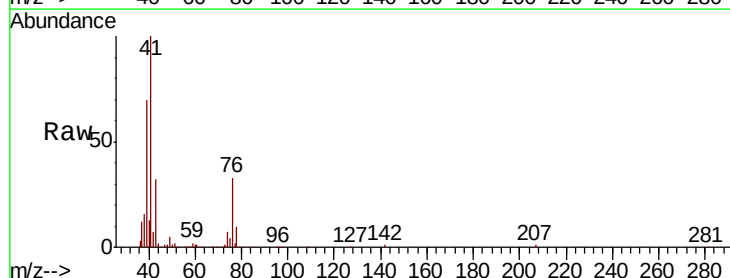
Instrument :
MSVOA_D
ClientSampled :

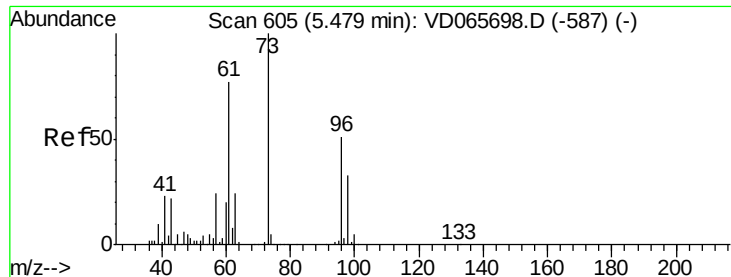
Tot Ion: 76 Resp: 705209
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2



#18
Methyl Acetate
Concen: 48.477 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion: 43 Resp: 121055
Ion Ratio Lower Upper
43 100
74 22.2 17.1 25.7

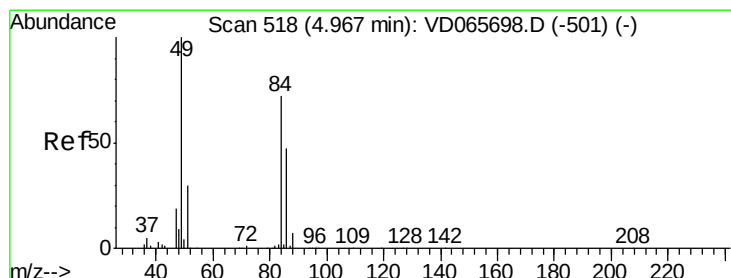
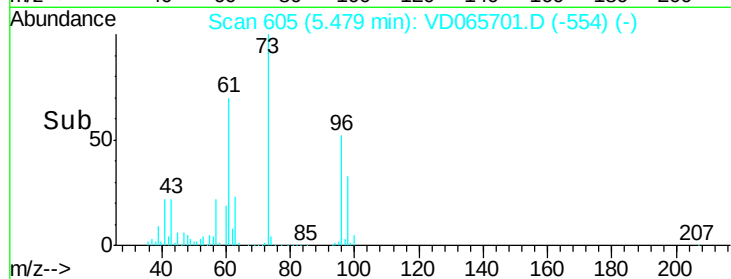
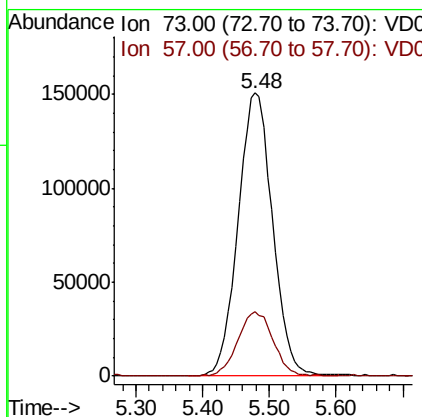
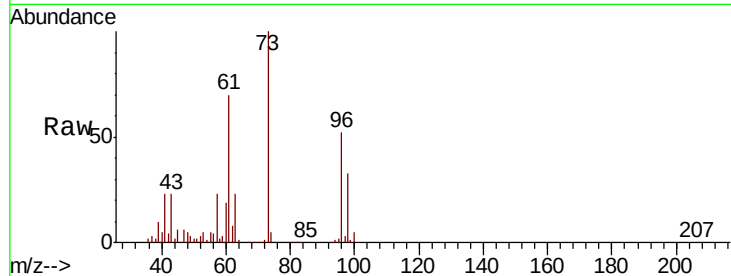




#19
Methyl tert-butyl Ether
Concen: 49.390 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

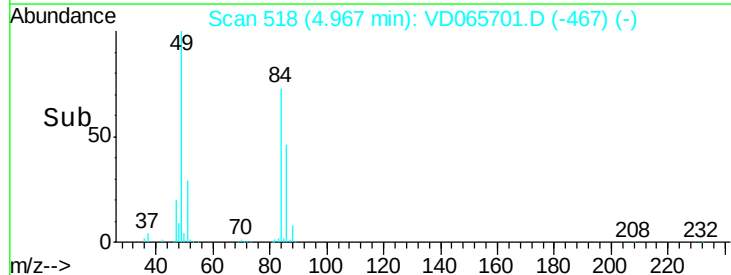
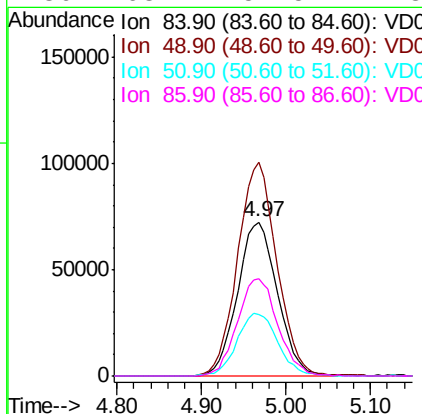
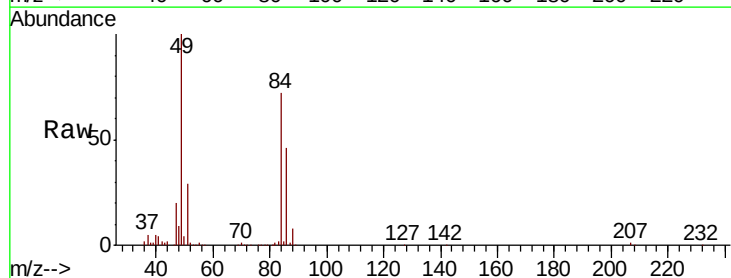
Instrument :
MSVOA_D
ClientSampleId :

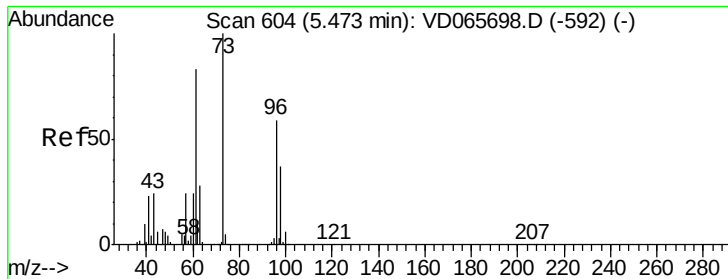
Tot Ion: 73 Resp: 536442
Ion Ratio Lower Upper
73 100
57 22.6 19.4 29.0



#20
Methylene Chloride
Concen: 46.974 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion: 84 Resp: 237654
Ion Ratio Lower Upper
84 100
49 138.4 110.4 165.6
51 39.9 33.4 50.2
86 63.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 47.802 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

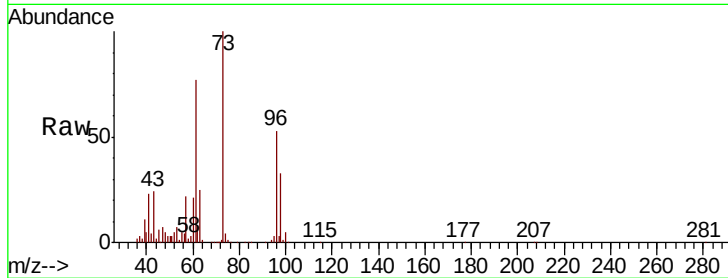
Tot Ion: 96 Resp: 245130

Ion Ratio Lower Upper

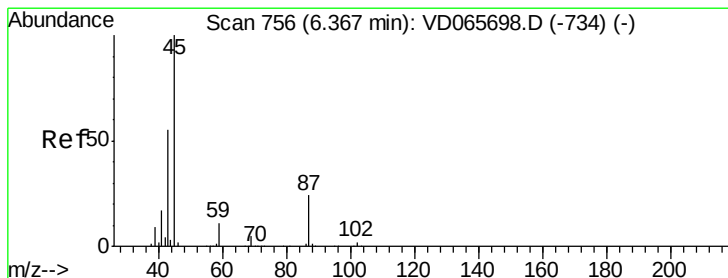
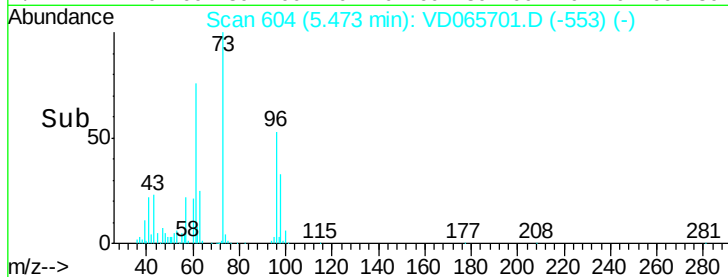
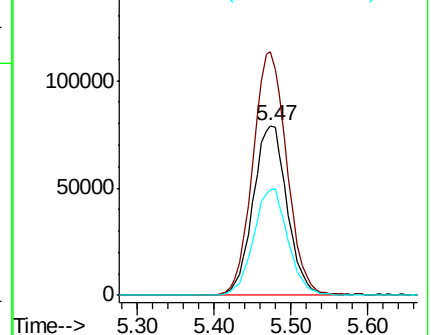
96 100

61 143.8 113.0 169.4

98 62.4 49.5 74.3



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



#22

Diisopropyl ether

Concen: 48.672 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Tgt Ion: 45 Resp: 808272

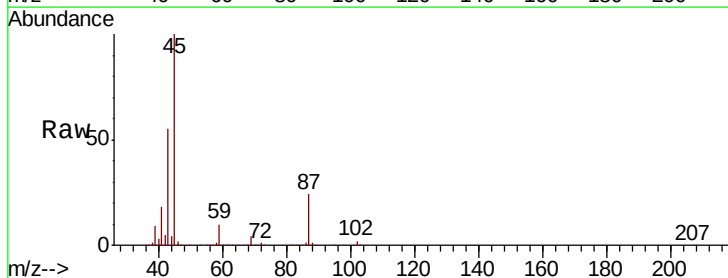
Ion Ratio Lower Upper

45 100

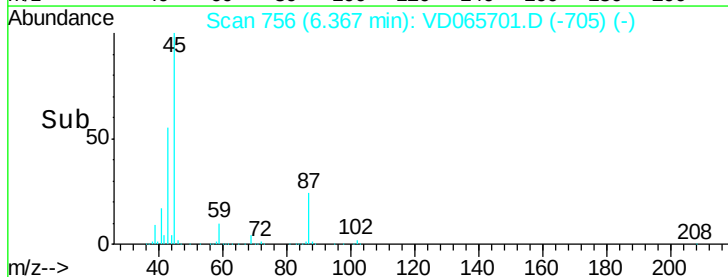
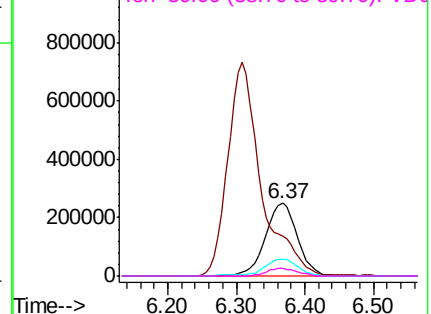
43 54.7 44.2 66.4

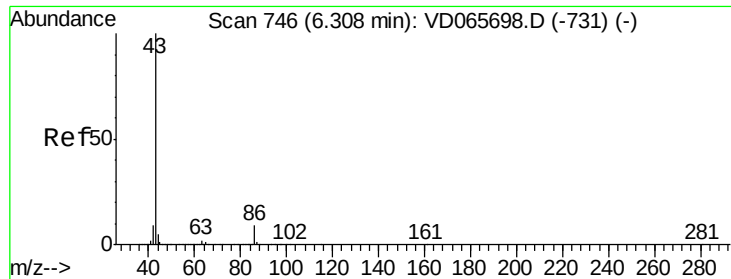
87 23.4 19.0 28.4

59 9.9 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 247.169 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

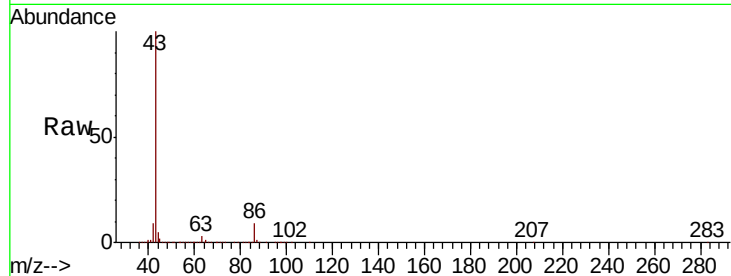
ClientSampled :

Tot Ion: 43 Resp: 2479092

Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

800000

600000

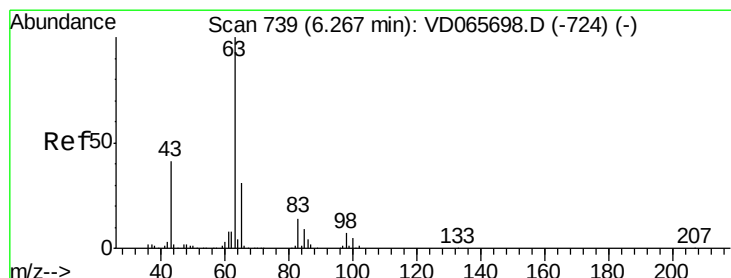
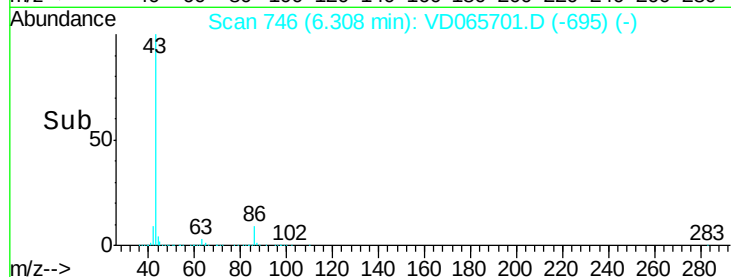
400000

200000

0

Time-->

6.20 6.40



#24

1,1-Dichloroethane

Concen: 47.670 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

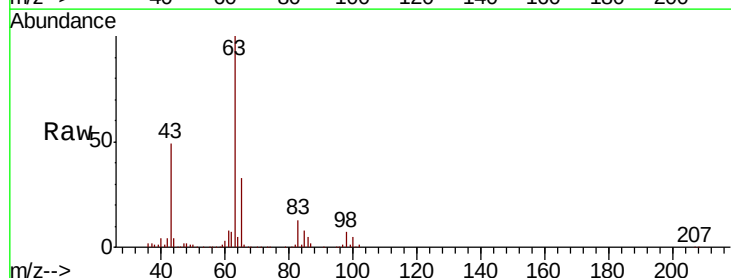
Tgt Ion: 63 Resp: 433657

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.7 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

150000

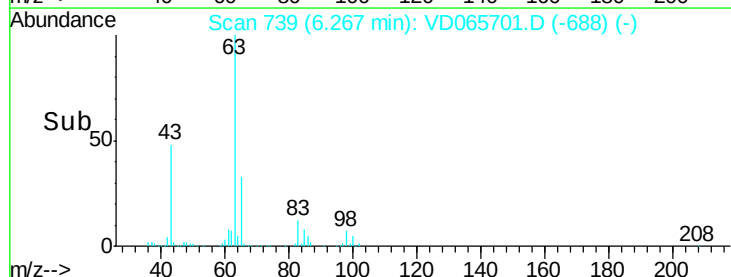
100000

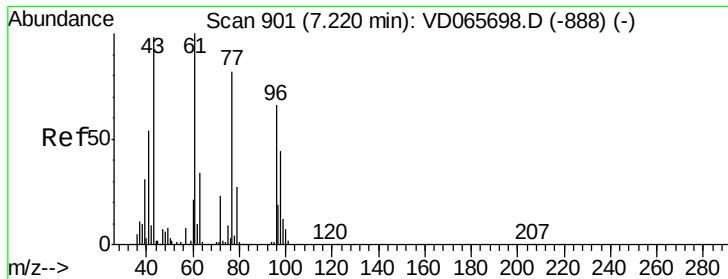
50000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 238.331 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

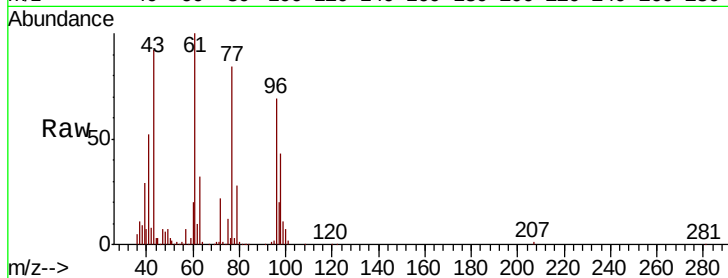
ClientSampleId :

Tot Ion: 43 Resp: 355054

Ion Ratio Lower Upper

43 100

72 24.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

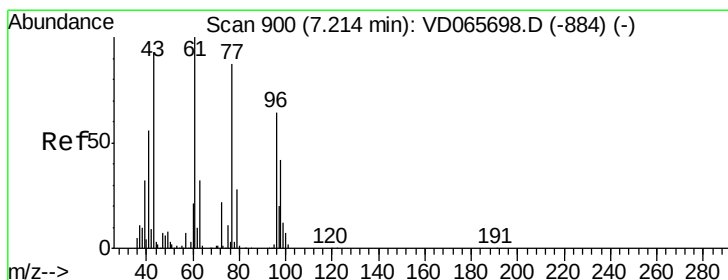
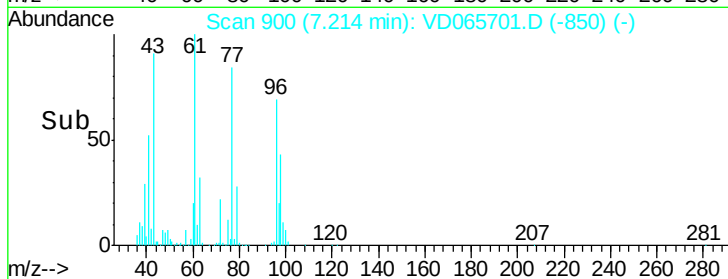
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 46.441 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065701.D

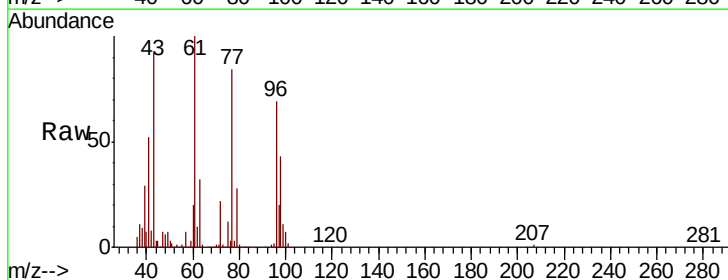
Acq: 06 May 2020 17:27

Tgt Ion: 77 Resp: 380379

Ion Ratio Lower Upper

77 100

97 22.2 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

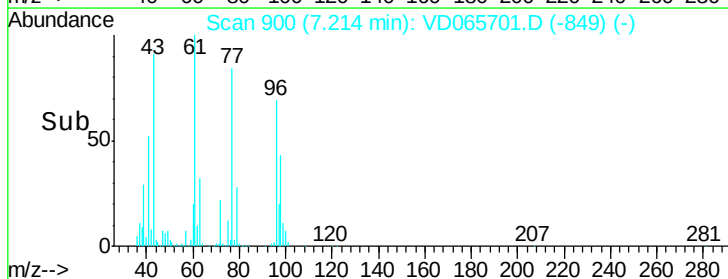
150000

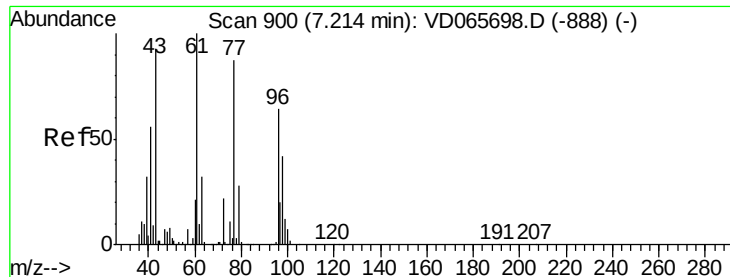
100000

50000

0

Time-->



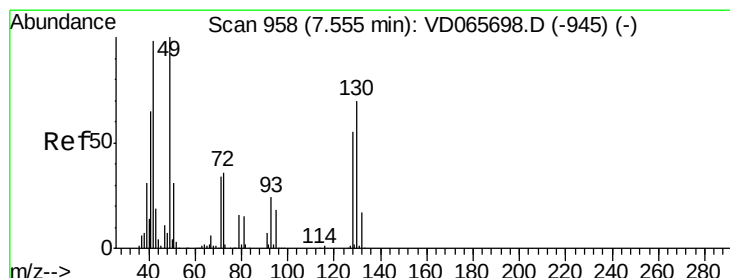
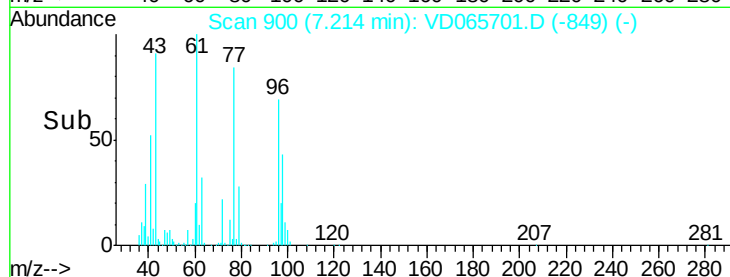
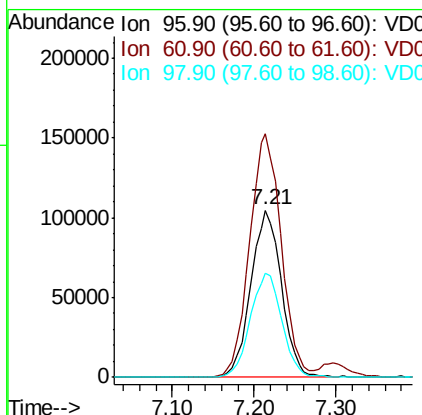
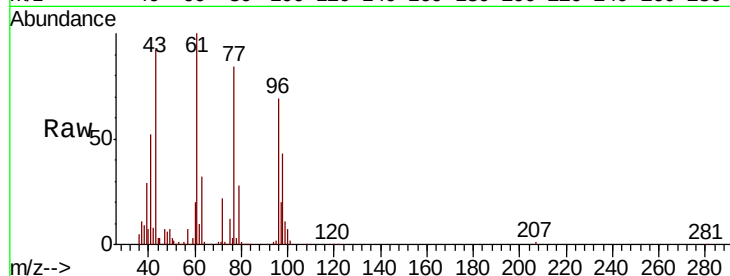


#27

cis-1,2-Dichloroethene
 Concen: 49.149 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Instrument :
 MSVOA_D
 ClientSampleId :

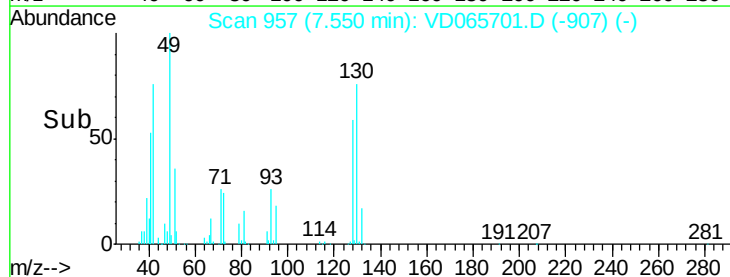
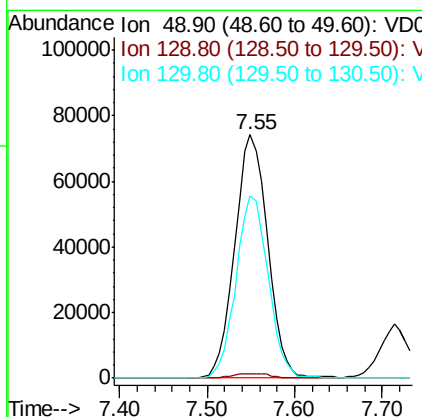
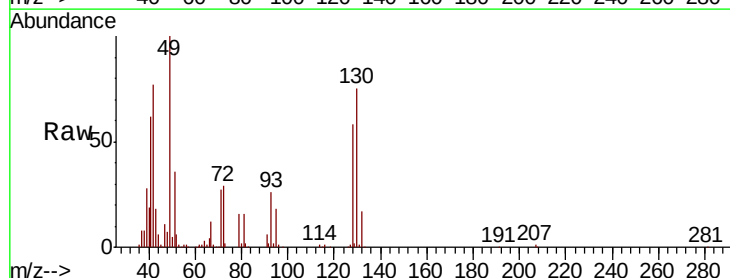
Tot Ion	96	Resp	273485
Ion Ratio	Lower	Upper	
96	100		
61	150.2	0.0	306.6
98	63.9	0.0	129.4

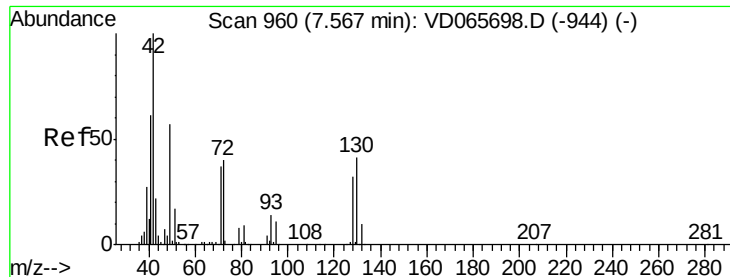


#28

Bromochloromethane
 Concen: 49.962 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion	49	Resp	189566
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	3.8
130	73.2	56.4	84.6





#29

Tetrahydrofuran

Concen: 247.005 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

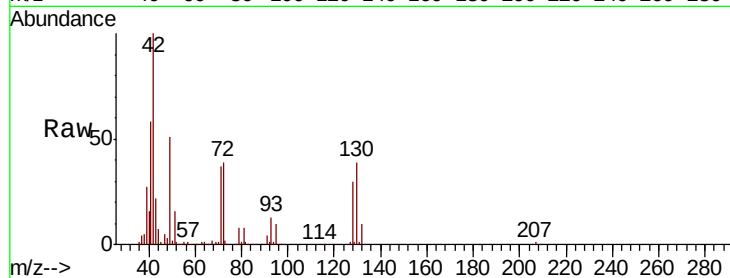
Tot Ion: 42 Resp: 237175

Ion Ratio Lower Upper

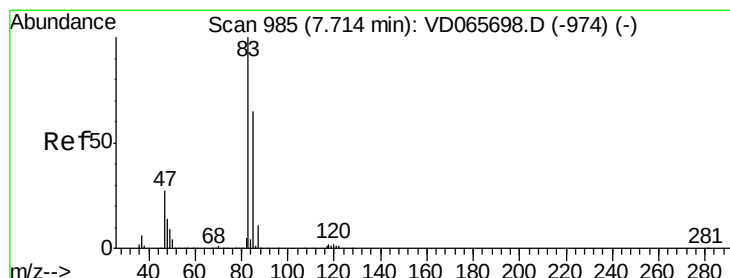
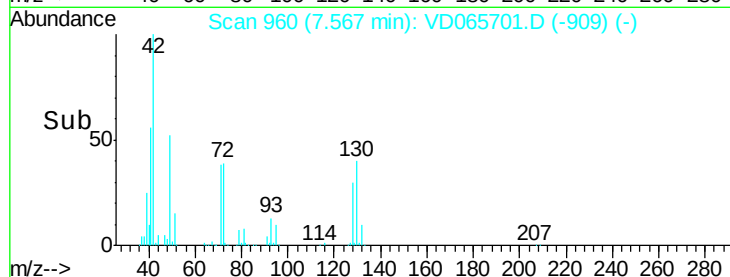
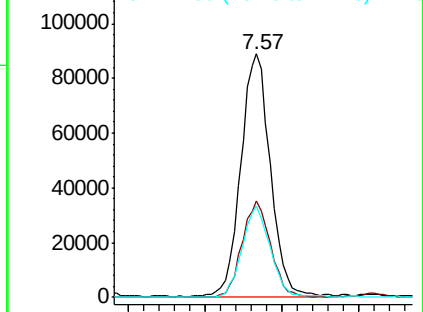
42 100

72 38.4 30.4 45.6

71 35.7 28.0 42.0



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 48.600 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065701.D

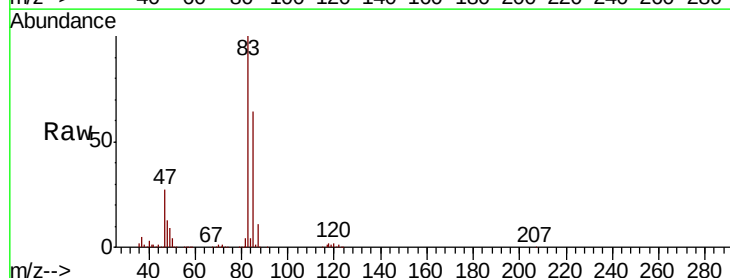
Acq: 06 May 2020 17:27

Tgt Ion: 83 Resp: 425450

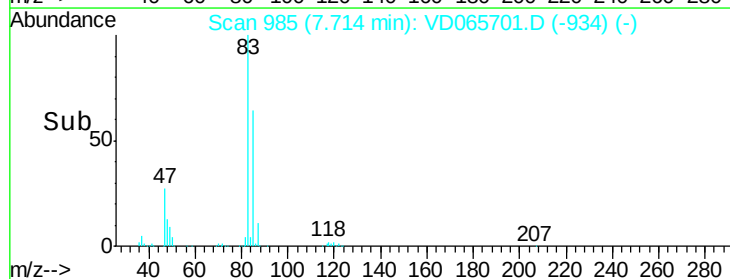
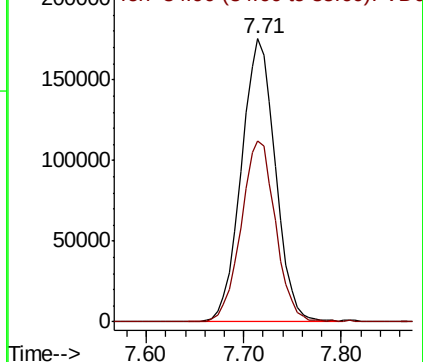
Ion Ratio Lower Upper

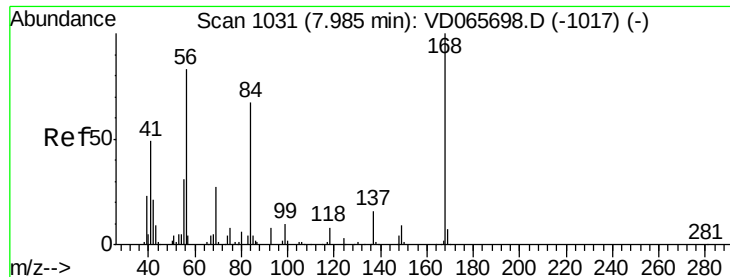
83 100

85 63.6 52.1 78.1



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

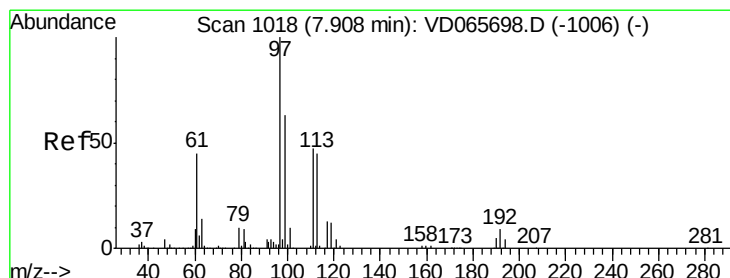
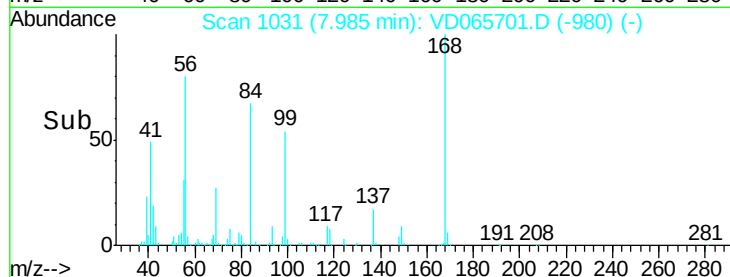
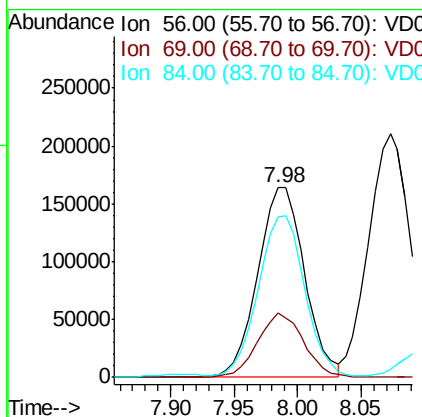
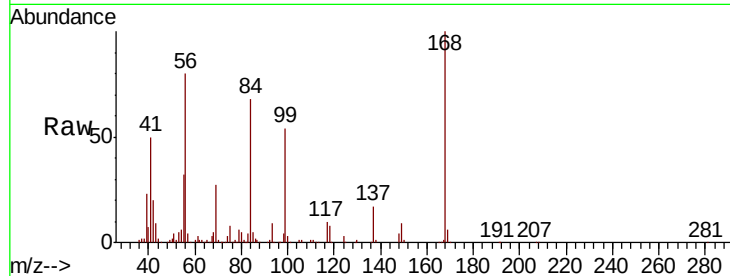




#31
Cyclohexane
Concen: 44.734 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

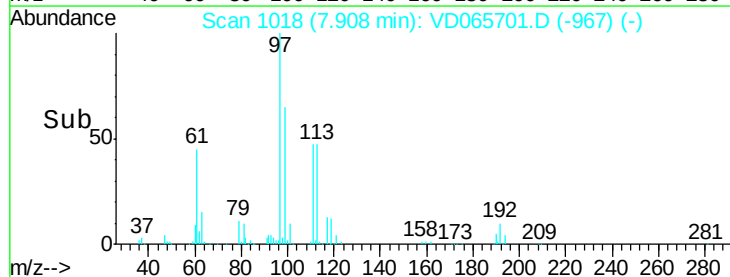
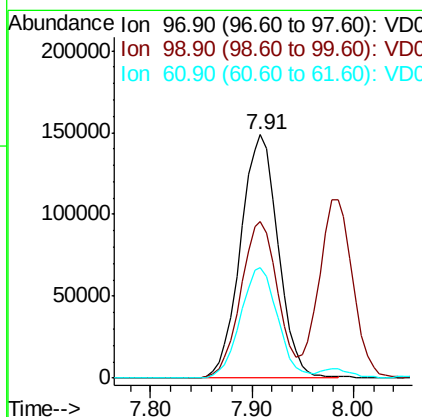
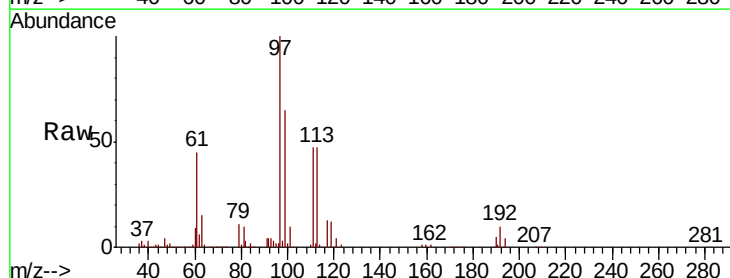
Instrument :
MSVOA_D
ClientSampleID :

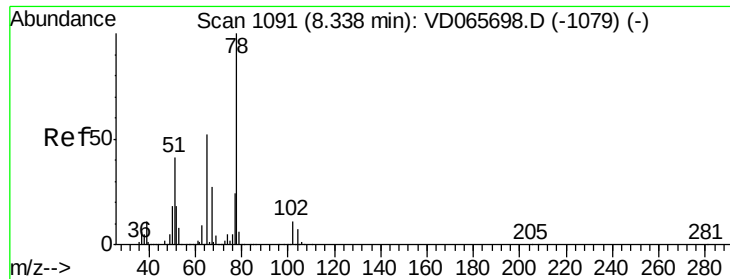
Tot Ion	56	Resp	421087
Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.3	39.5
84	83.4	64.5	96.7



#32
1,1,1-Trichloroethane
Concen: 47.197 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion	97	Resp	382997
Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.8	76.2
61	45.1	36.0	54.0

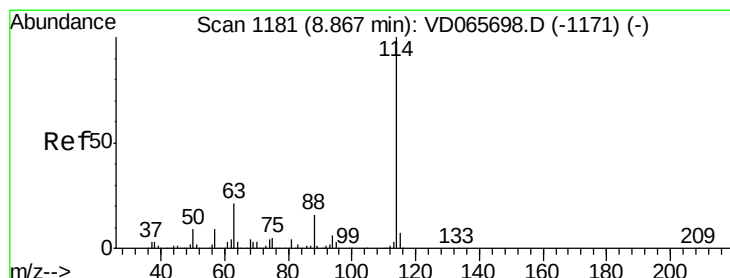
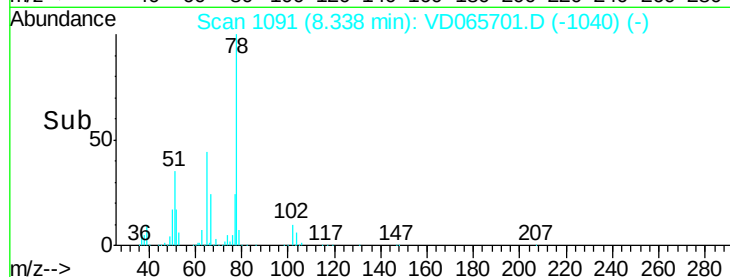
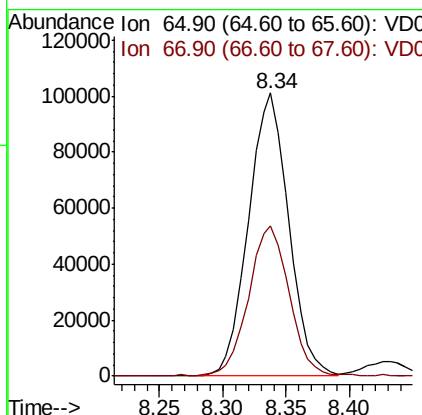
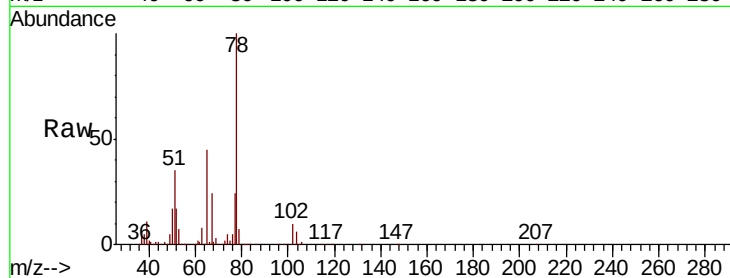




#33
 1,2-Dichloroethane-d4
 Concen: 47.521 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

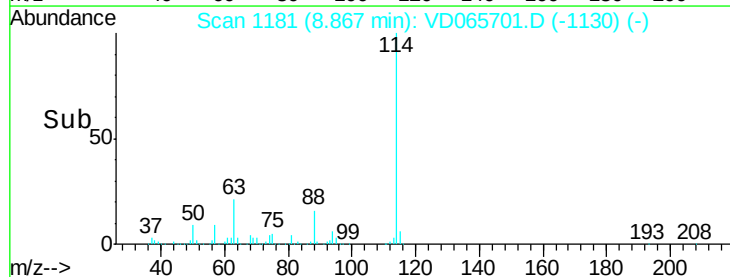
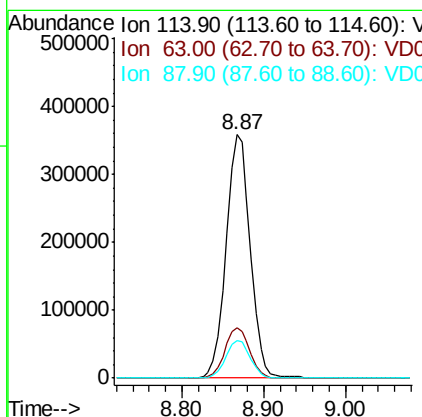
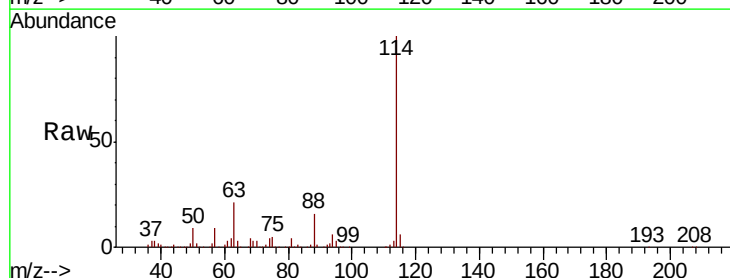
Instrument :
 MSVOA_D
 ClientSampleId :

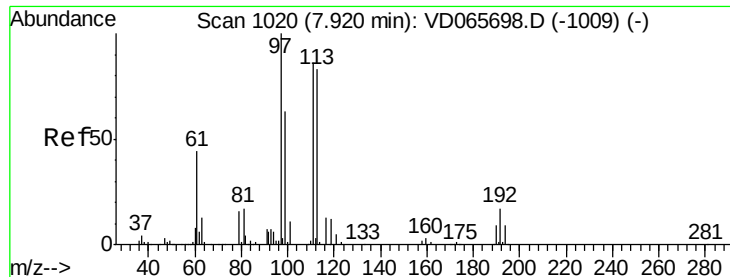
Tot Ion: 65 Resp: 223542
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion: 114 Resp: 734967
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.4
 88 15.6 0.0 32.6

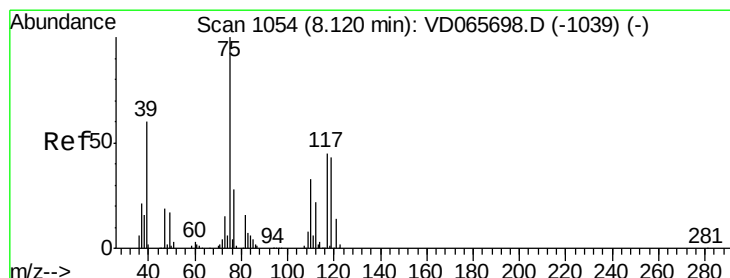
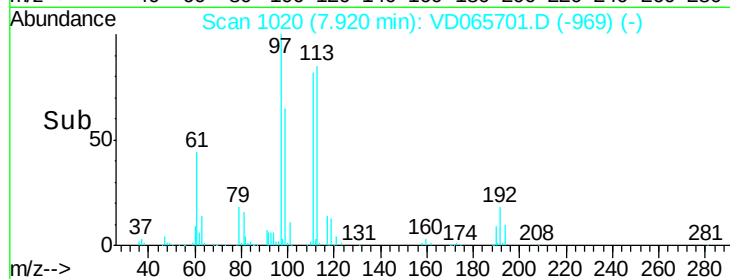
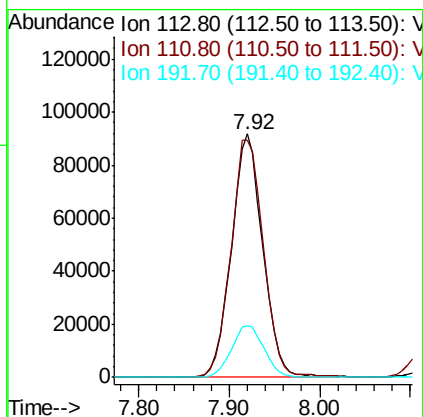
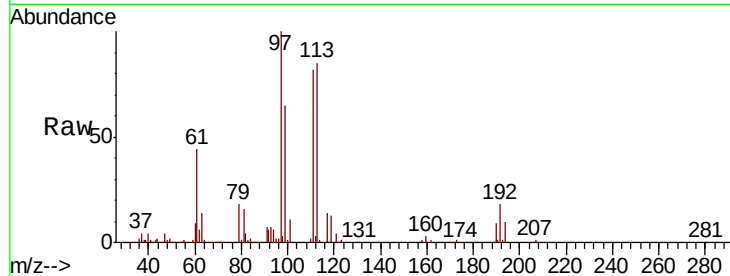




#35
 Dibromofluoromethane
 Concen: 47.873 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

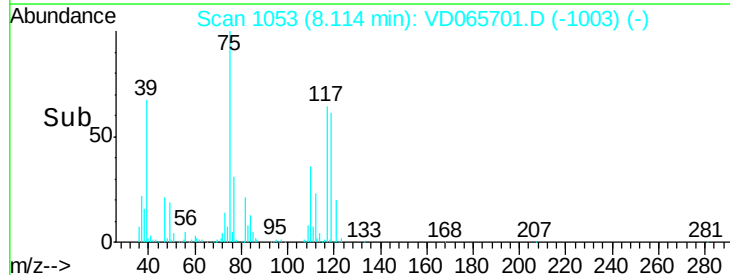
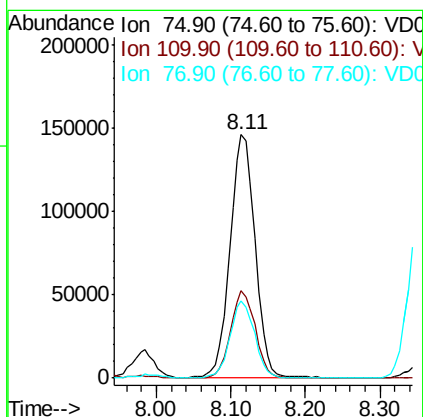
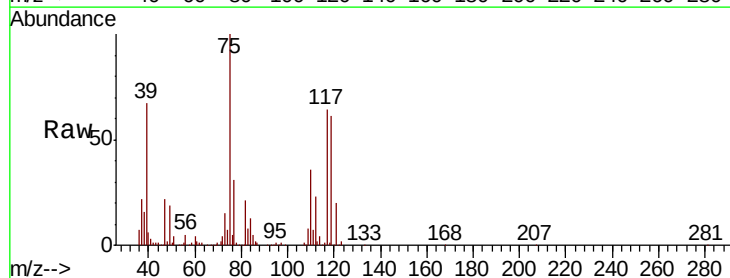
Instrument :
 MSVOA_D
 ClientSampleId :

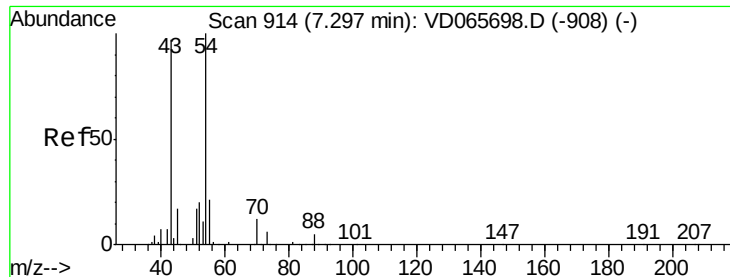
Tot Ion:113 Resp: 219904
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.7 124.1
 192 22.2 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 46.798 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion: 75 Resp: 341588
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.2 51.6
 77 31.0 23.7 35.5

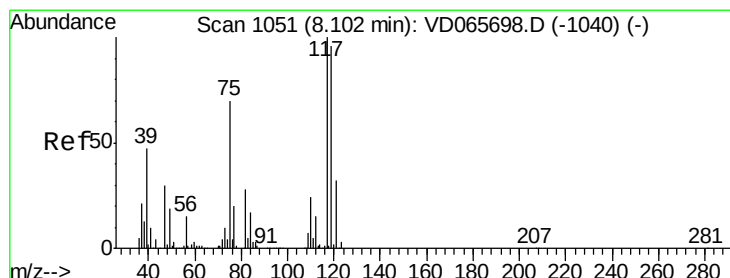
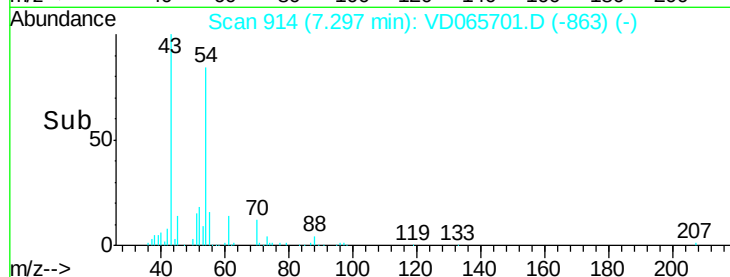
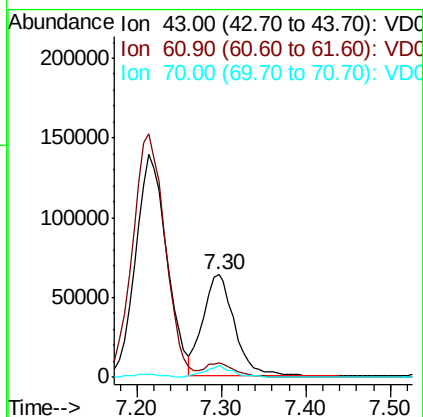
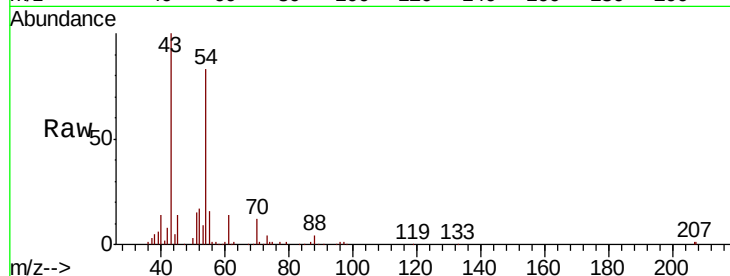




#37
Ethyl Acetate
Concen: 47.530 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

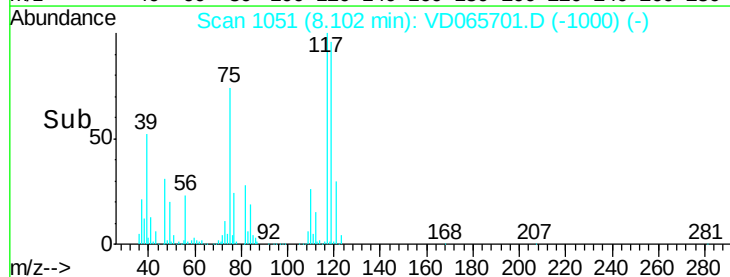
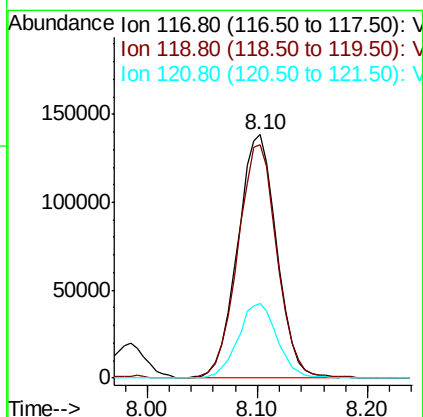
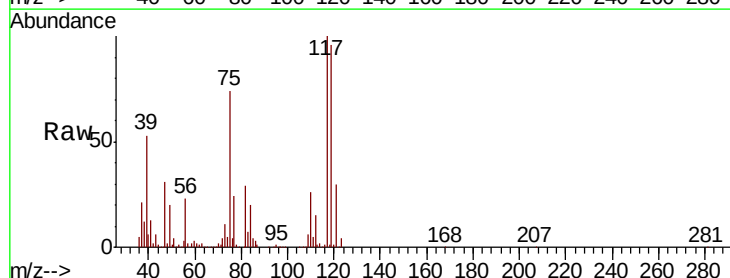
Instrument :
MSVOA_D
ClientSampled :

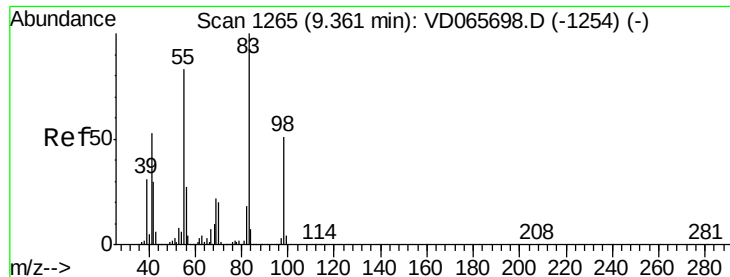
Tot Ion: 43 Resp: 167049
Ion Ratio Lower Upper
43 100
61 11.9 9.9 14.9
70 10.2 7.3 10.9



#38
Carbon Tetrachloride
Concen: 47.307 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion: 117 Resp: 342357
Ion Ratio Lower Upper
117 100
119 96.1 77.1 115.7
121 30.5 25.5 38.3





#39

Methylvlcyclohexane

Concen: 47.507 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampled :

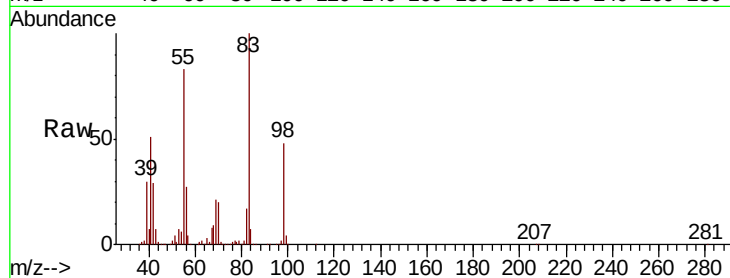
Tot Ion: 83 Resp: 435336

Ion Ratio Lower Upper

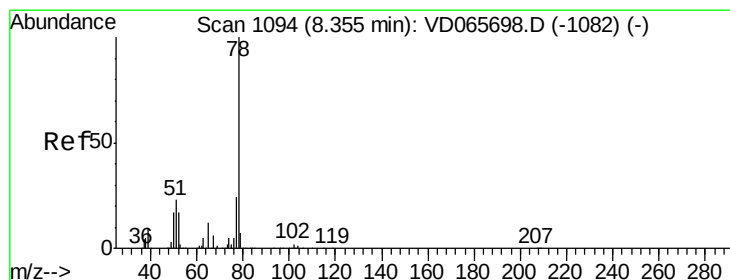
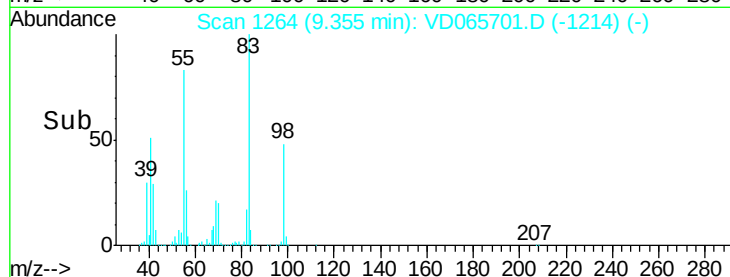
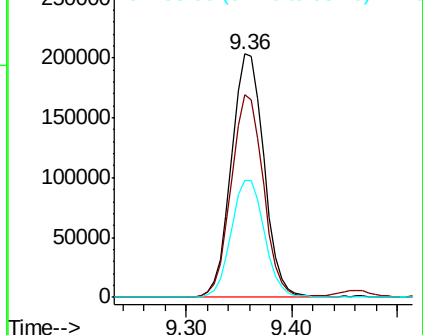
83 100

55 82.7 66.0 99.0

98 48.1 41.0 61.4



Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 48.165 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD065701.D

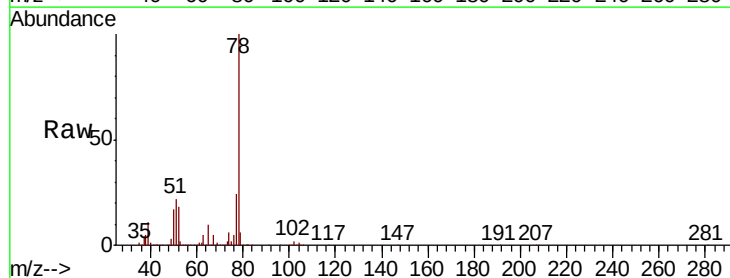
Acq: 06 May 2020 17:27

Tgt Ion: 78 Resp: 960133

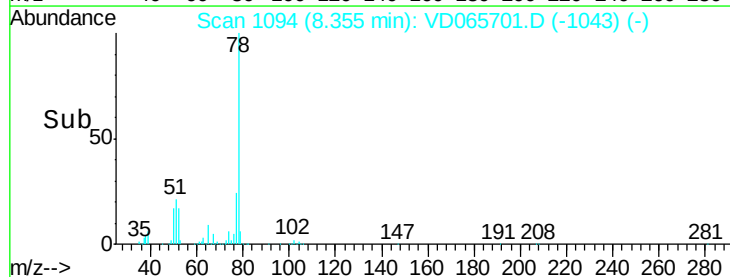
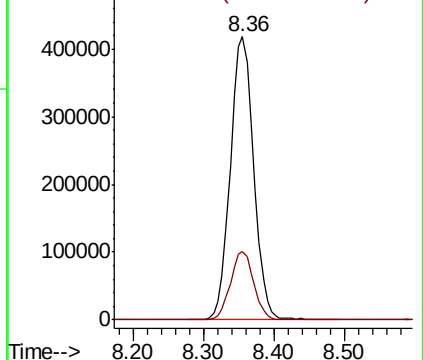
Ion Ratio Lower Upper

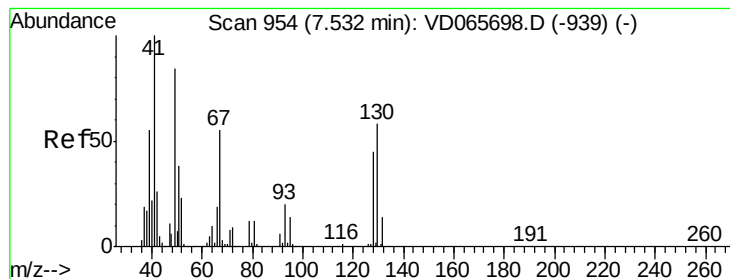
78 100

77 24.2 19.6 29.4



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 114.477 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.03 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 232070

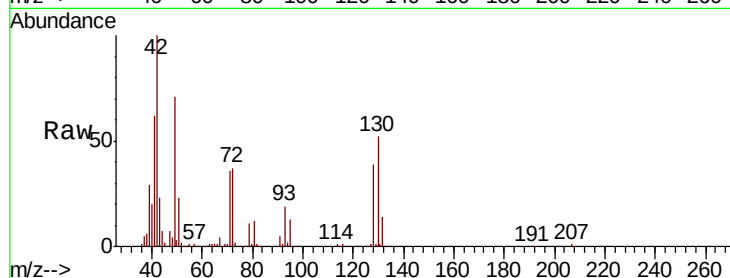
Ion Ratio Lower Upper

41 100

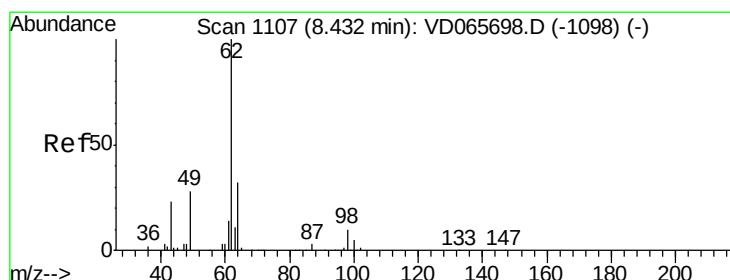
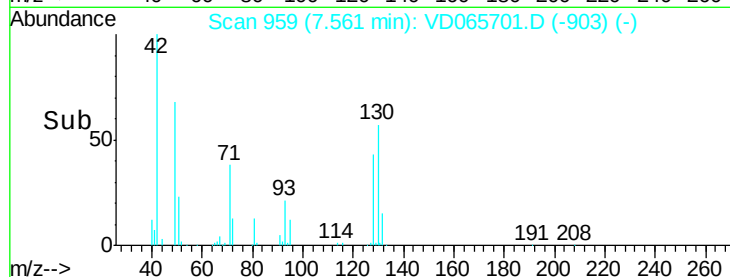
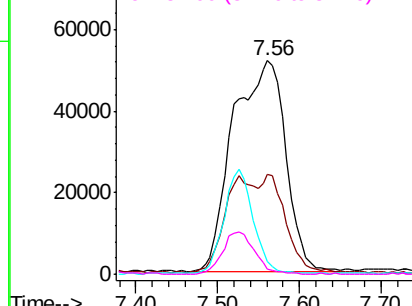
39 0.0 52.5 78.7#

67 0.0 59.4 89.0#

52 0.0 25.6 38.4#



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



#42

1,2-Dichloroethane

Concen: 48.089 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065701.D

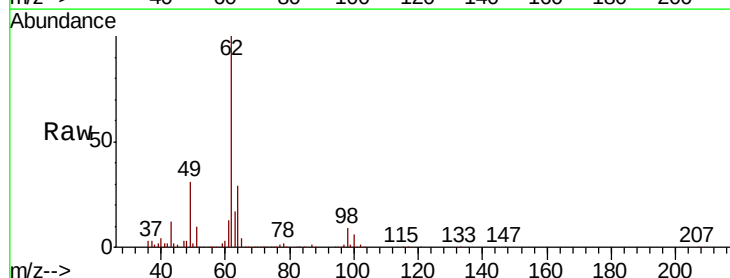
Acq: 06 May 2020 17:27

Tgt Ion: 62 Resp: 275846

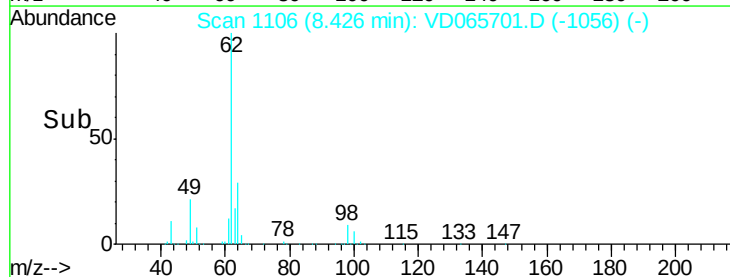
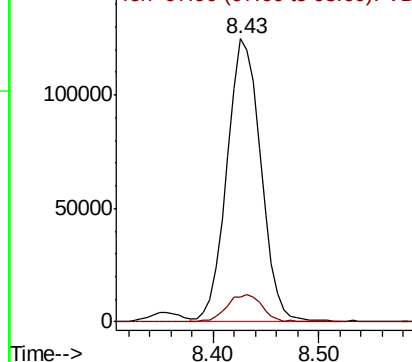
Ion Ratio Lower Upper

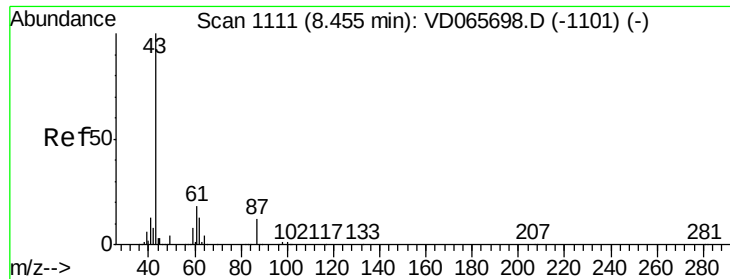
62 100

98 10.2 0.0 19.2



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





#43

Isopropyl Acetate

Concen: 48.577 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

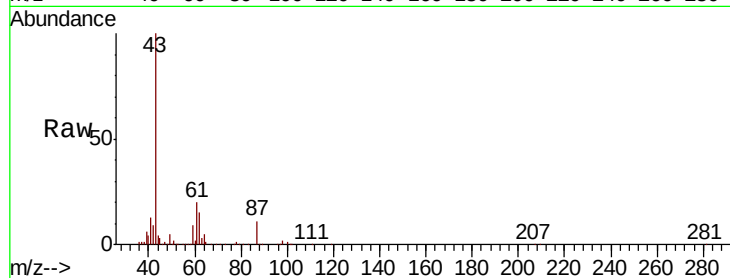
Tot Ion: 43 Resp: 341413

Ion Ratio Lower Upper

43 100

61 28.0 21.9 32.9

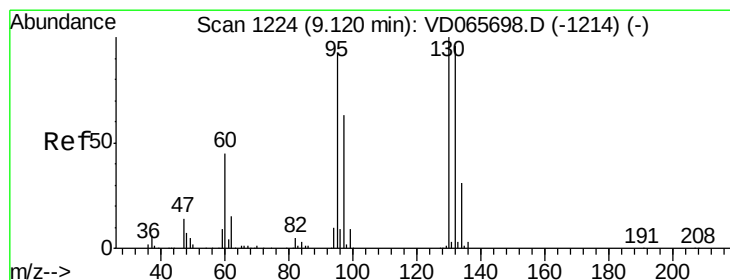
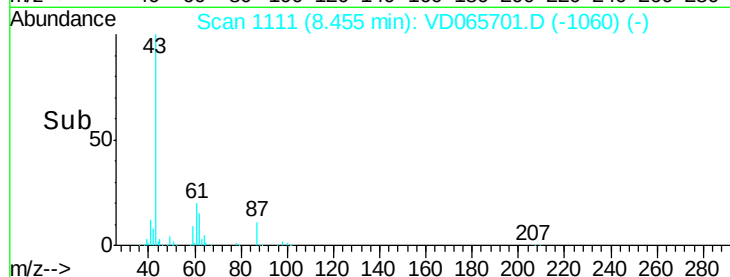
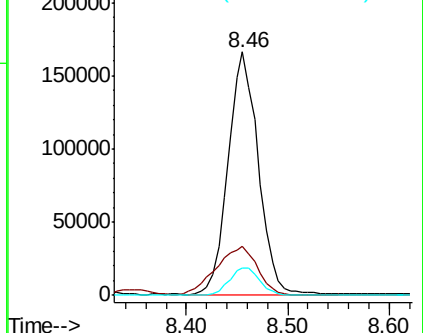
87 11.6 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.337 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD065701.D

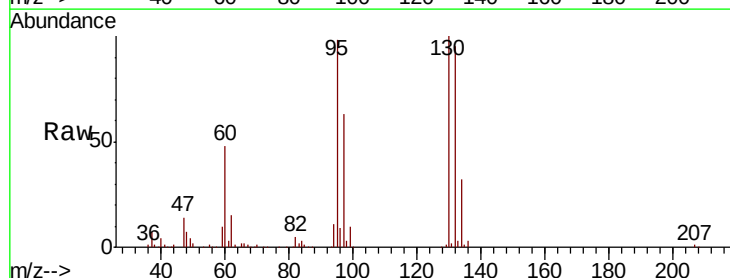
Acq: 06 May 2020 17:27

Tgt Ion:130 Resp: 265535

Ion Ratio Lower Upper

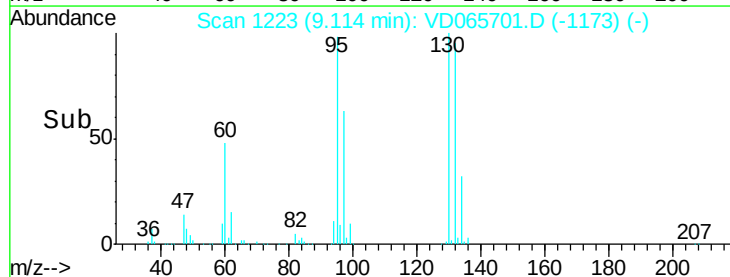
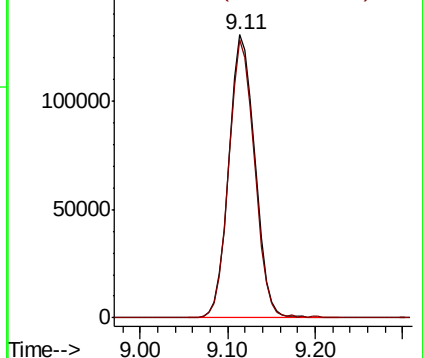
130 100

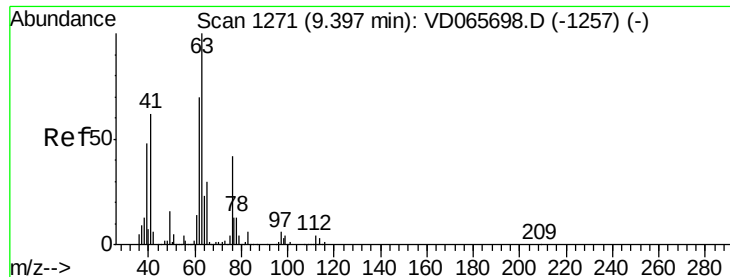
95 98.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.208 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

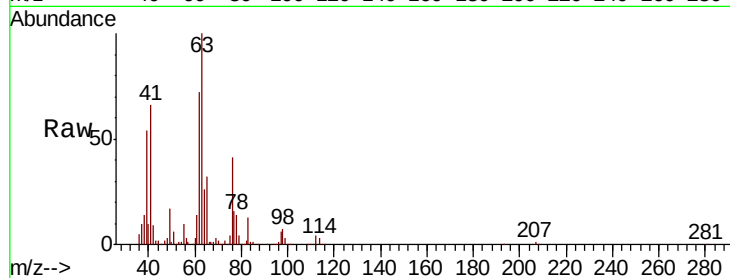
ClientSampleId :

Tot Ion: 63 Resp: 248521

Ion Ratio Lower Upper

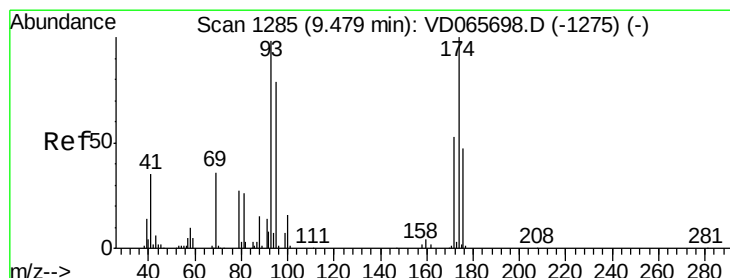
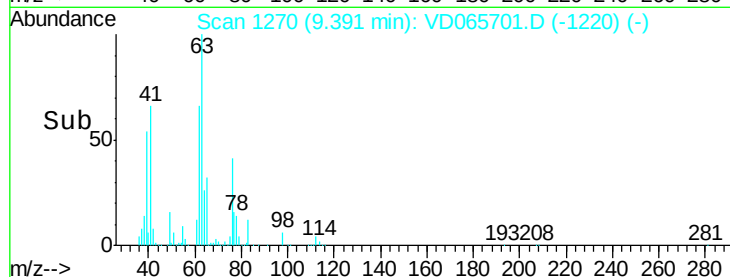
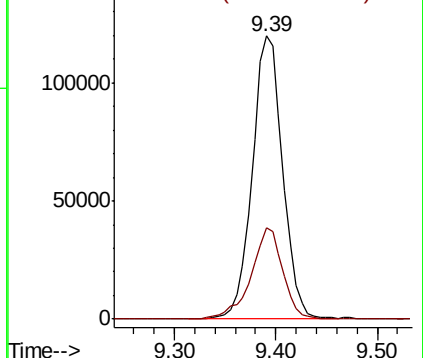
63 100

65 32.3 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.495 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

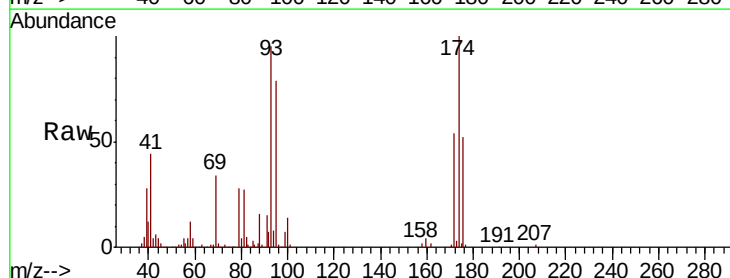
Tgt Ion: 93 Resp: 125401

Ion Ratio Lower Upper

93 100

95 82.2 65.3 97.9

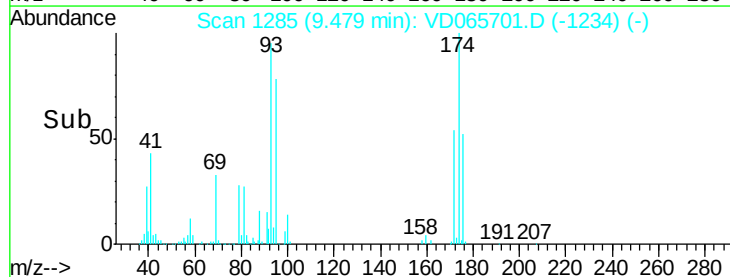
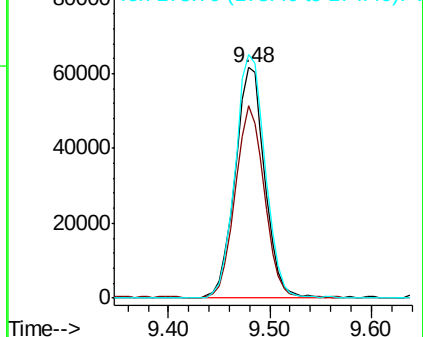
174 106.7 82.7 124.1

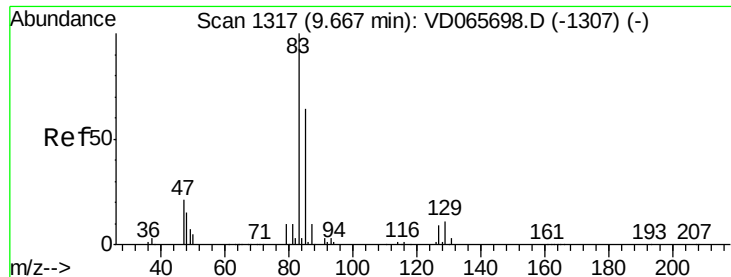


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.045 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :

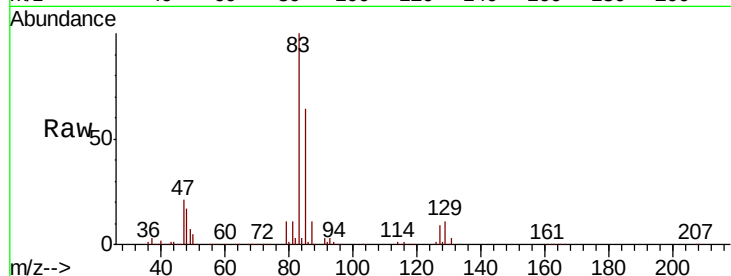
Tot Ion: 83 Resp: 332231

Ion Ratio Lower Upper

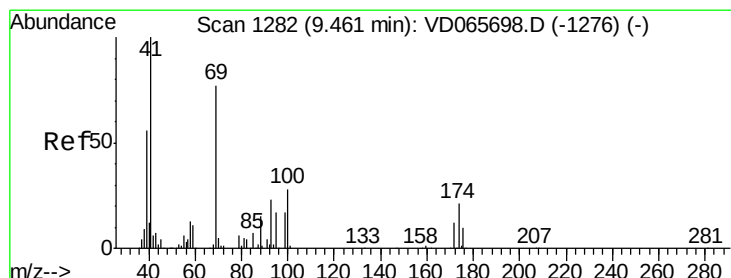
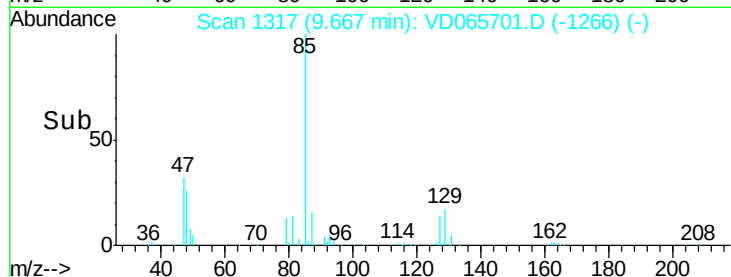
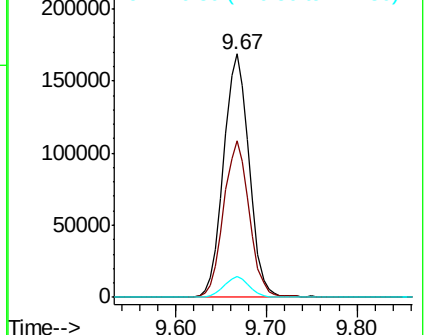
83 100

85 64.1 50.9 76.3

127 8.8 6.9 10.3



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



#48

Methyl methacrylate

Concen: 47.899 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

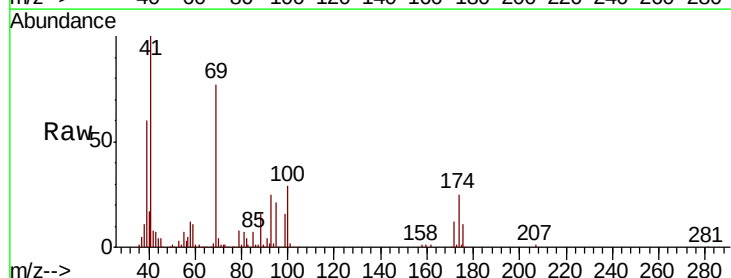
Tgt Ion: 41 Resp: 168562

Ion Ratio Lower Upper

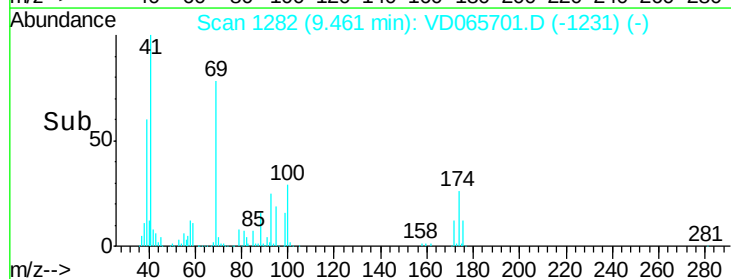
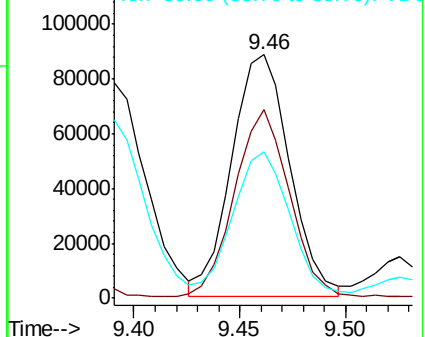
41 100

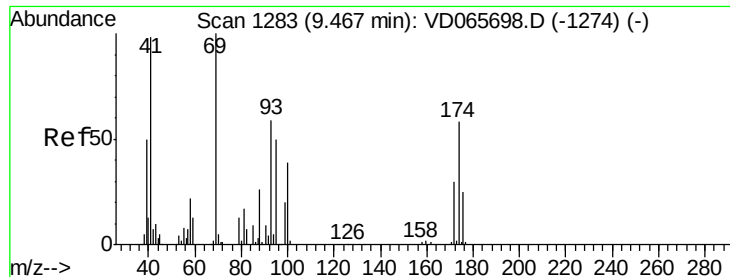
69 73.9 58.2 87.2

39 56.1 43.3 64.9



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

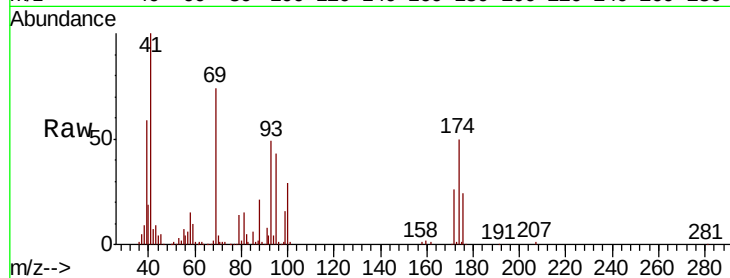




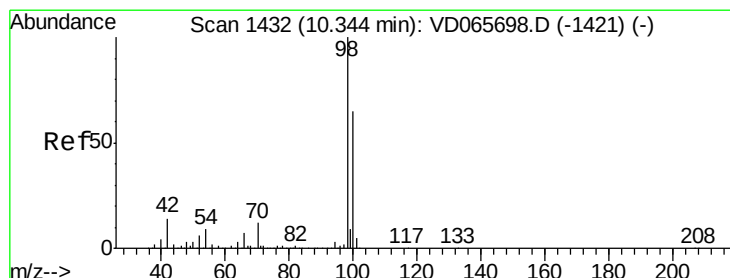
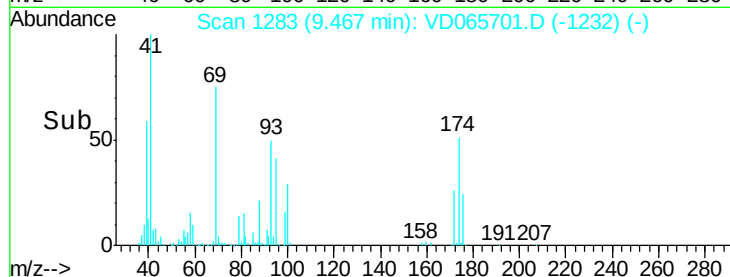
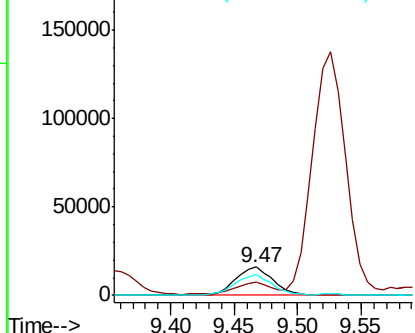
#49
1,4-Dioxane
Concen: 1028.470 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 32600
Ion Ratio Lower Upper
88 100
43 42.3 31.6 47.4
58 74.1 60.2 90.4

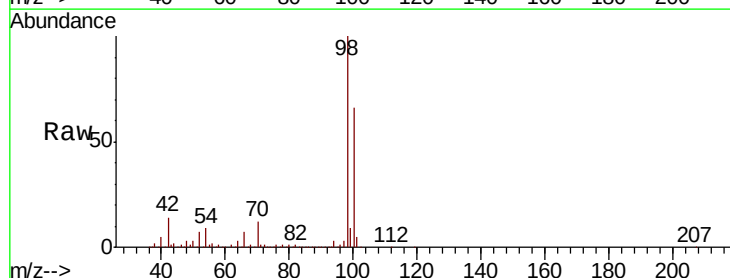


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

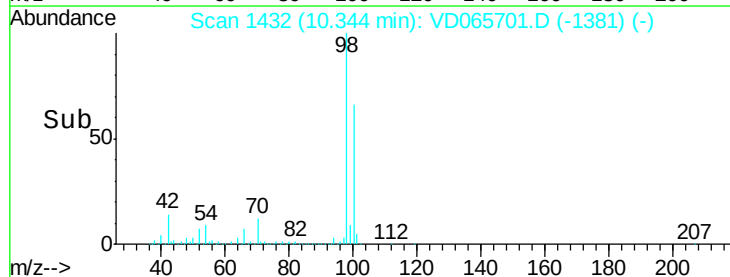
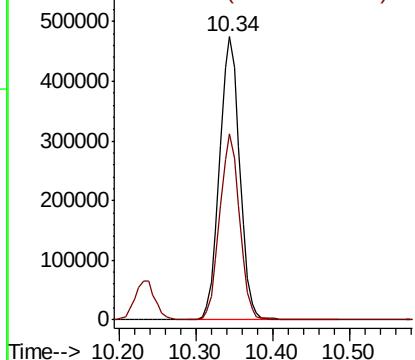


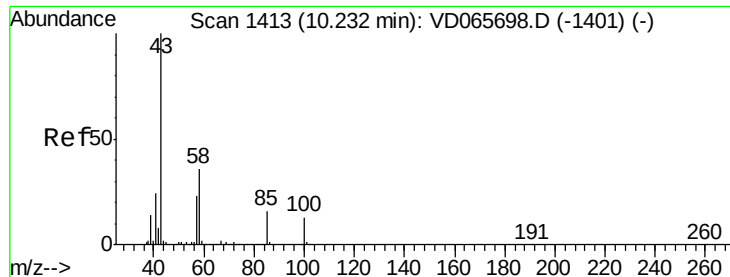
#50
Toluene-d8
Concen: 48.653 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion: 98 Resp: 858248
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



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





#51

4-Methyl-2-Pentanone

Concen: 245.967 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

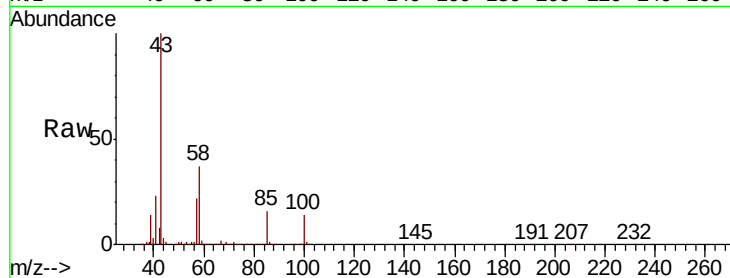
ClientSampleId :

Tot Ion: 43 Resp: 833142

Ion Ratio Lower Upper

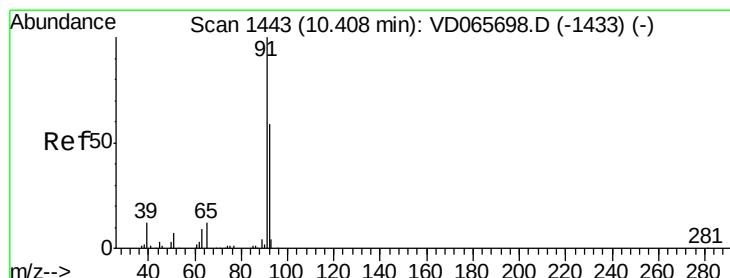
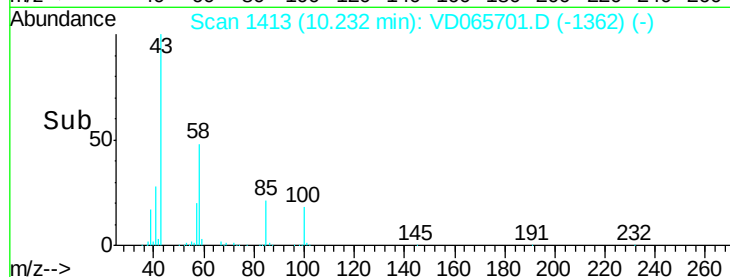
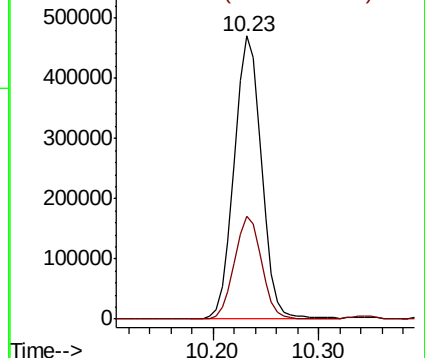
43 100

58 36.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 48.660 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065701.D

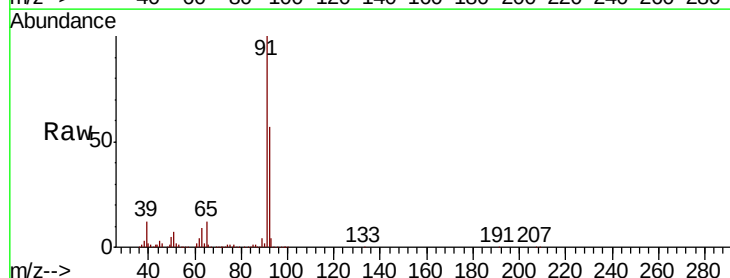
Acq: 06 May 2020 17:27

Tgt Ion: 92 Resp: 613413

Ion Ratio Lower Upper

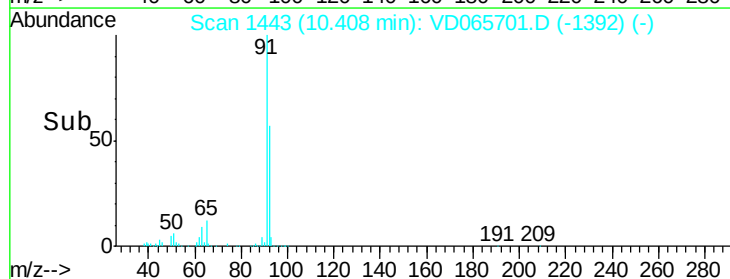
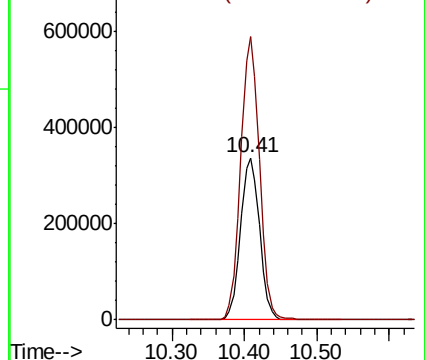
92 100

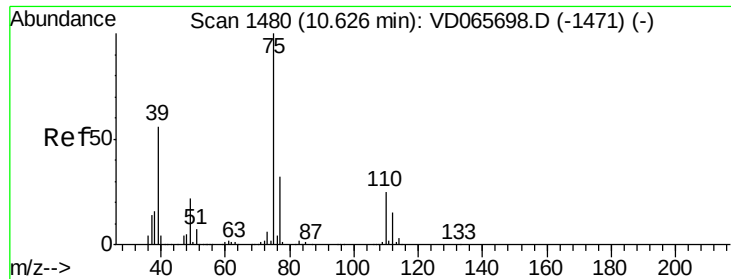
91 173.0 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

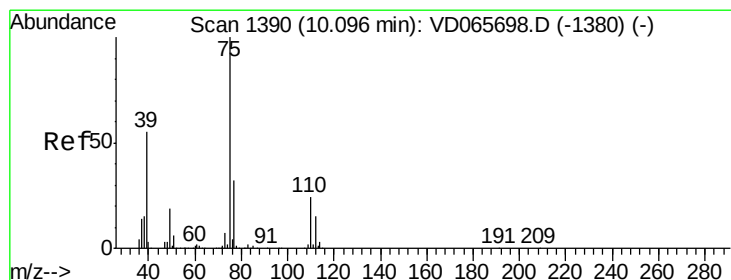
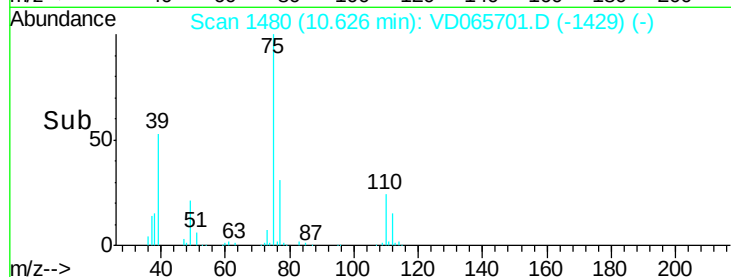
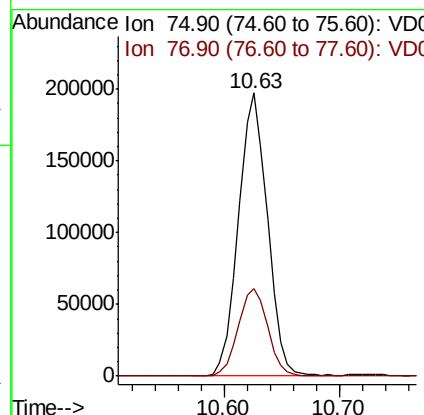
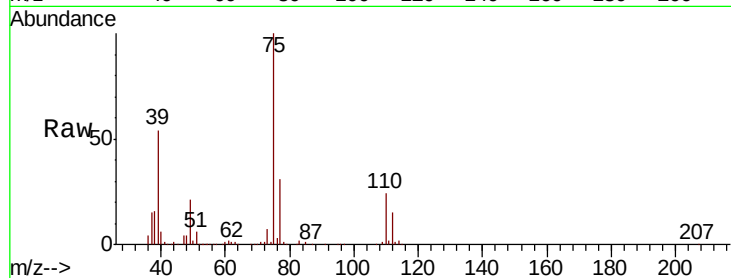




#53
t-1,3-Dichloropropene
Concen: 49.006 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

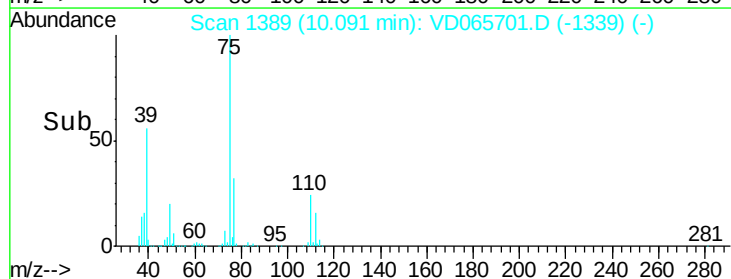
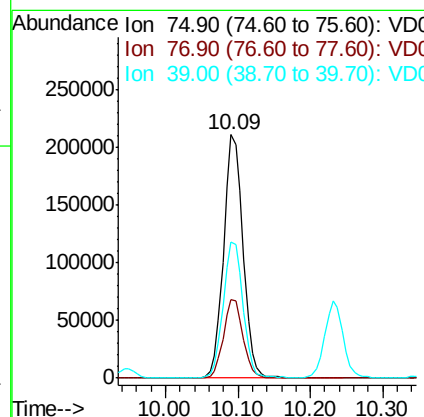
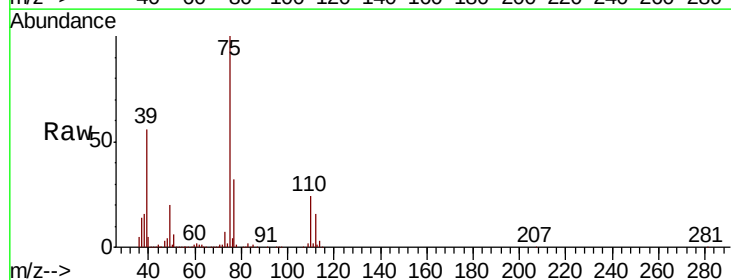
Instrument :
MSVOA_D
ClientSampled :

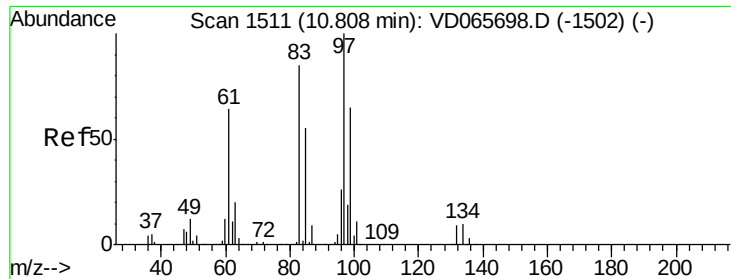
Tot Ion: 75 Resp: 343251
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 47.696 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion: 75 Resp: 393564
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.8
39 55.9 44.4 66.6





#55

1,1,2-Trichloroethane

Concen: 49.434 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 97 Resp: 172330

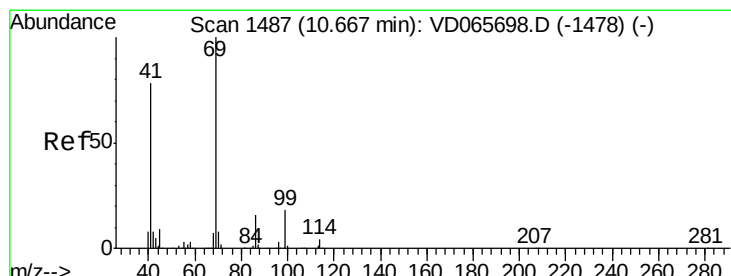
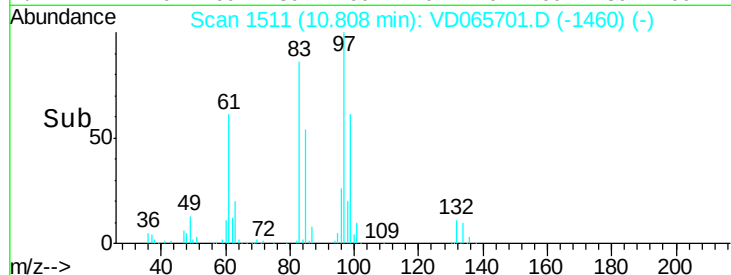
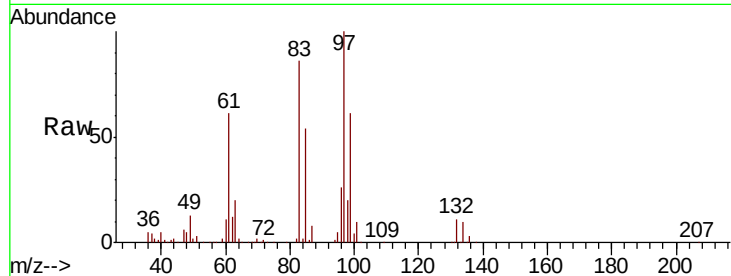
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.2	102.4
85	53.7	43.6	65.4
99	61.5	52.2	78.4

Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 49.245 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

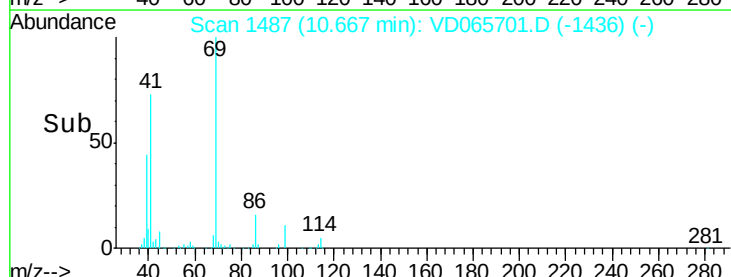
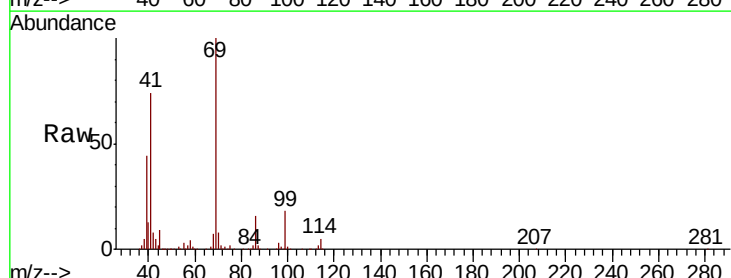
Tgt Ion: 69 Resp: 247876

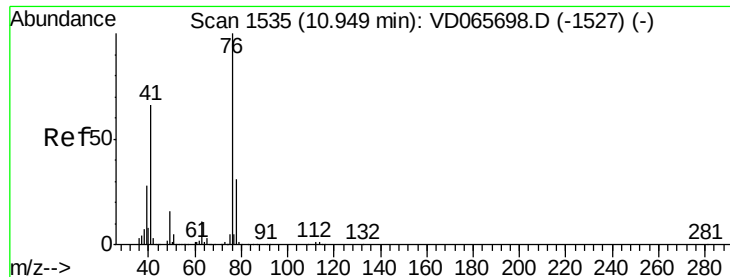
Ion	Ratio	Lower	Upper
69	100		
41	75.0	61.4	92.0
39	38.7	32.7	49.1

Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 49.250 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

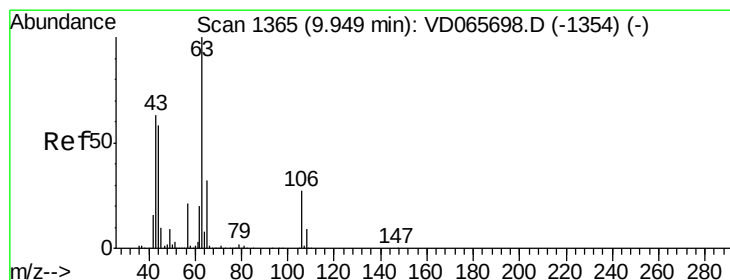
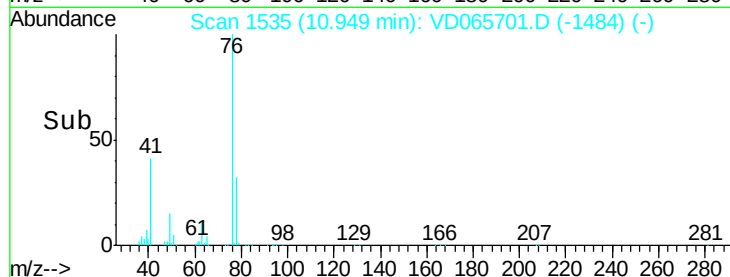
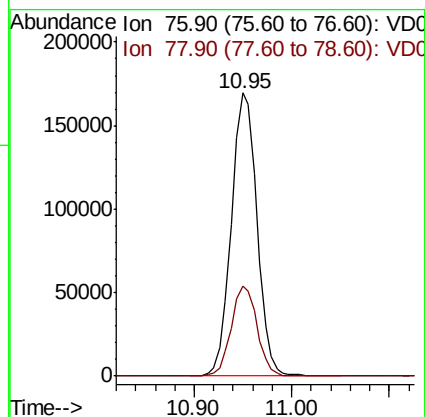
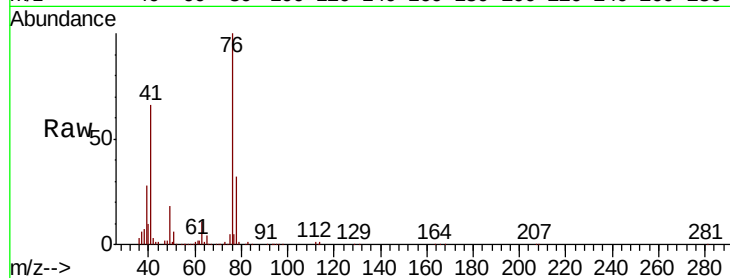
ClientSampleId :

Tot Ion: 76 Resp: 308664

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 246.977 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065701.D

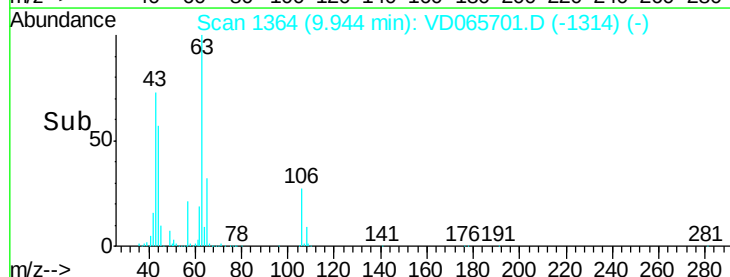
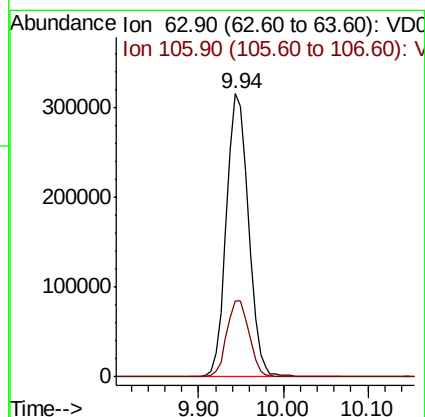
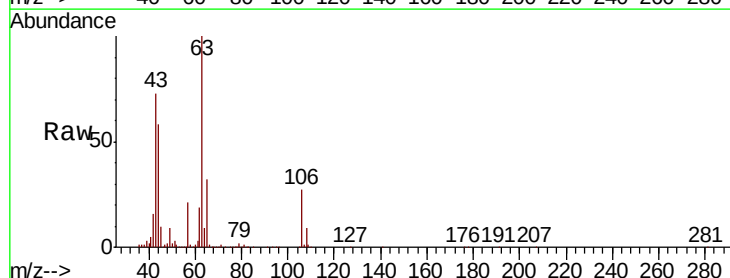
Acq: 06 May 2020 17:27

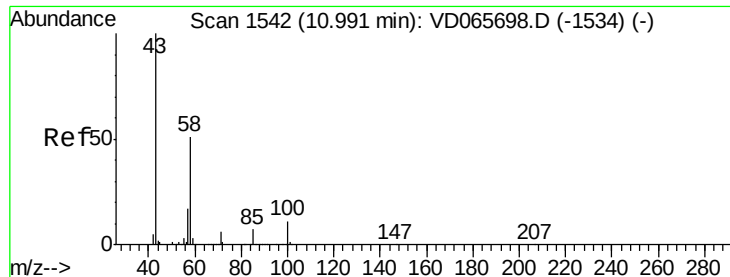
Tgt Ion: 63 Resp: 570703

Ion Ratio Lower Upper

63 100

106 27.2 22.0 33.0

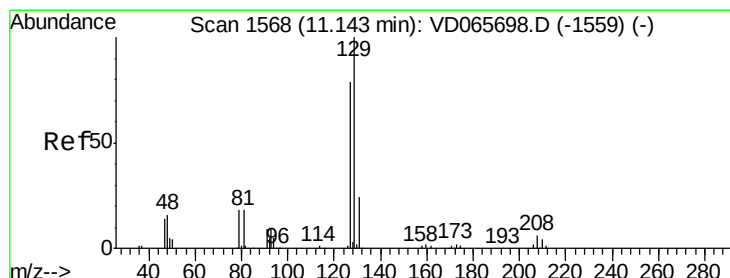
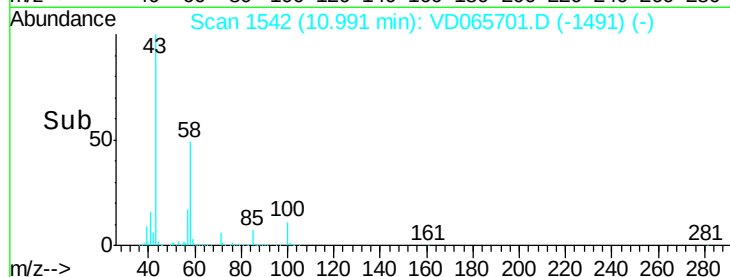
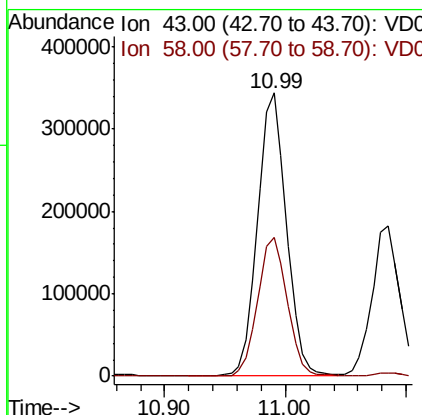
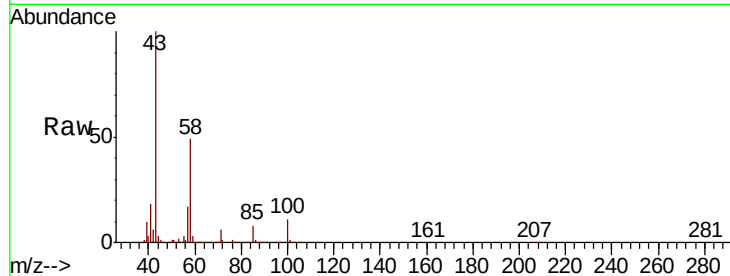




#59
2-Hexanone
Concen: 244.243 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

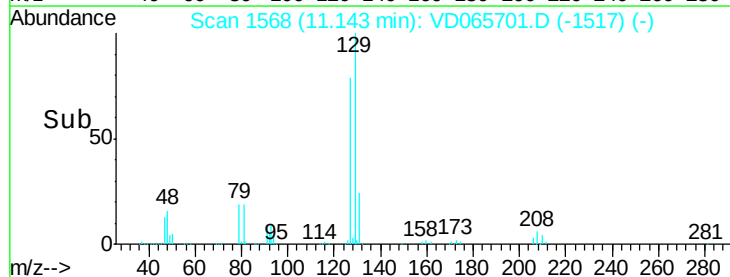
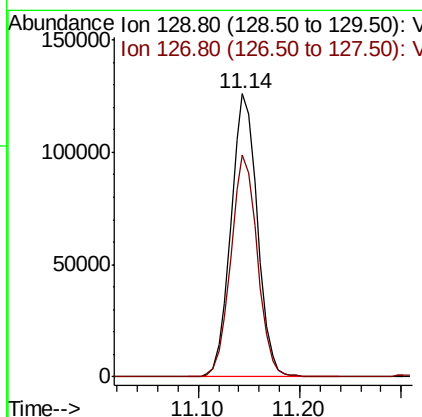
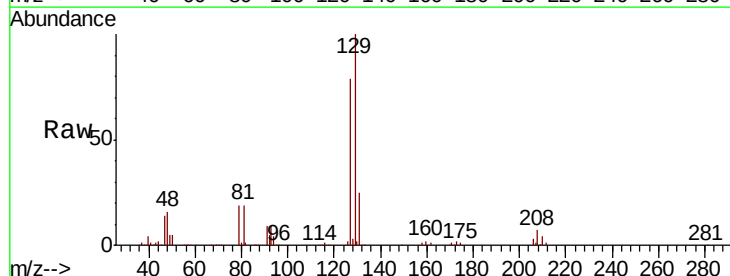
Instrument :
MSVOA_D
ClientSampleId :

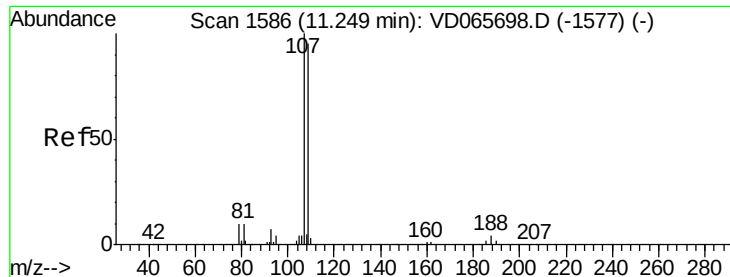
Tot Ion: 43 Resp: 569020
Ion Ratio Lower Upper
43 100
58 50.3 25.4 76.0



#60
Dibromochloromethane
Concen: 48.573 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion: 129 Resp: 227464
Ion Ratio Lower Upper
129 100
127 78.8 38.9 116.6

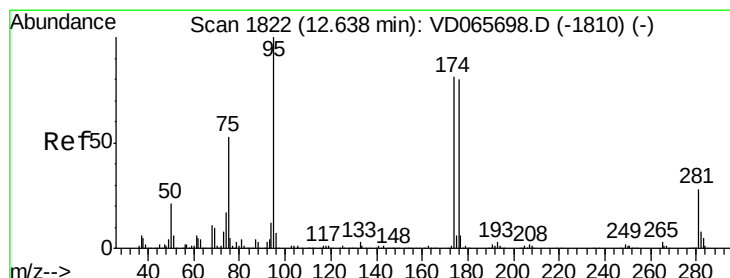
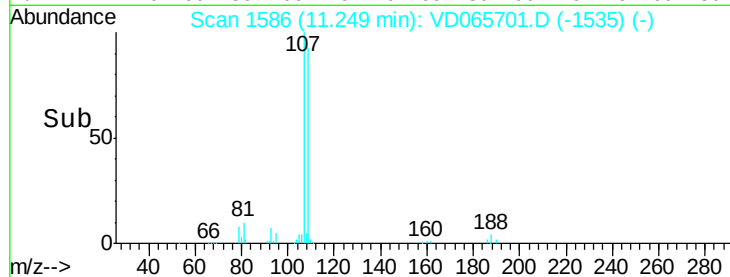
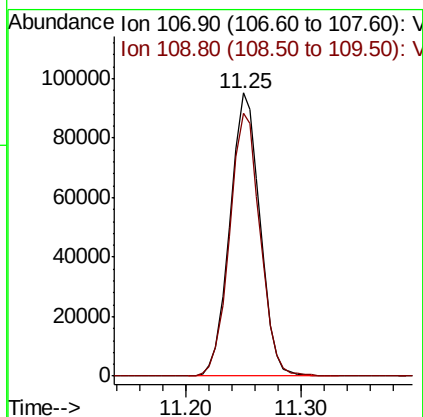
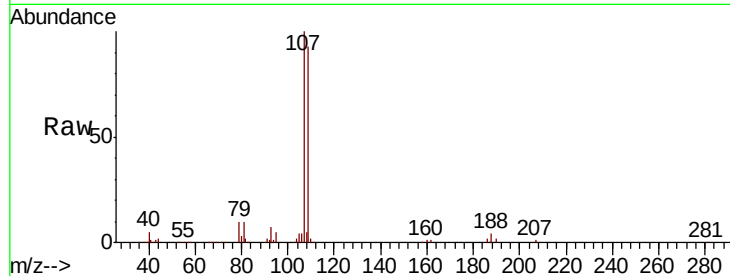




#61
 1,2-Dibromoethane
 Concen: 48.922 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

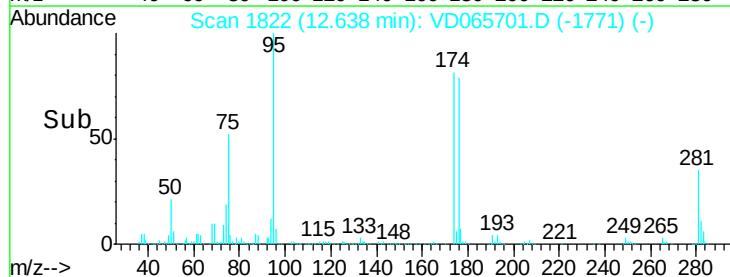
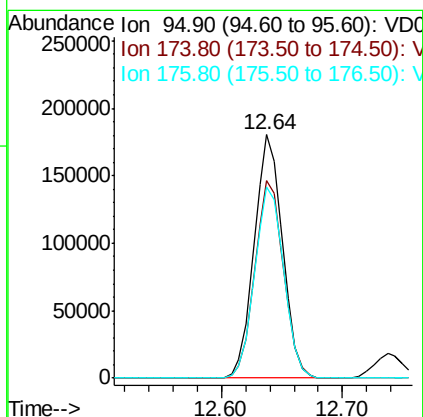
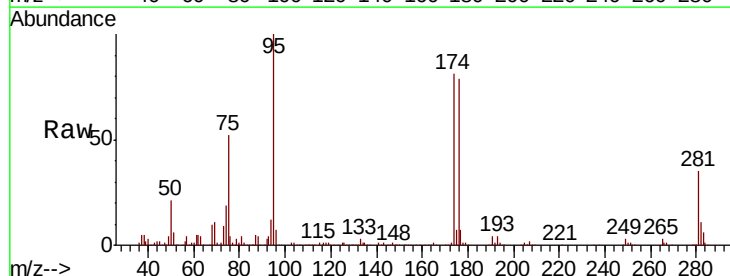
Instrument :
 MSVOA_D
 ClientSampled :

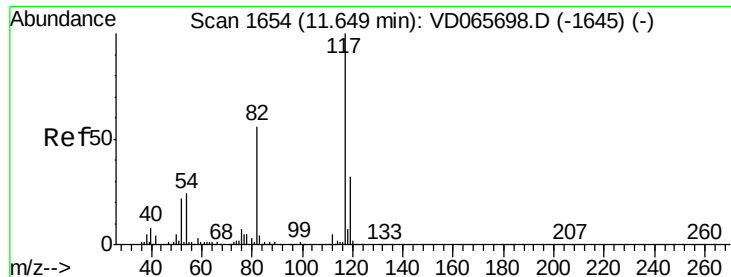
Tot Ion: 107 Resp: 171594
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 47.137 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion: 95 Resp: 294773
 Ion Ratio Lower Upper
 95 100
 174 82.5 0.0 162.6
 176 80.8 0.0 159.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampled :

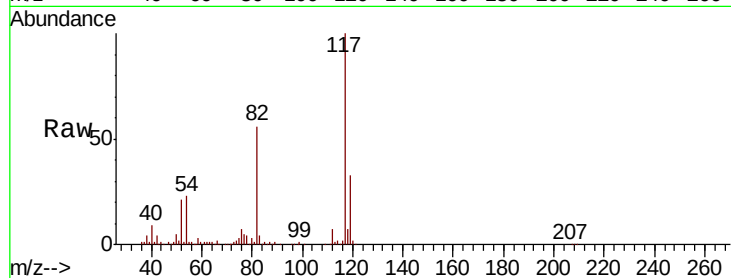
Tot Ion:117 Resp: 652020

Ion Ratio Lower Upper

117 100

82 56.4 44.9 67.3

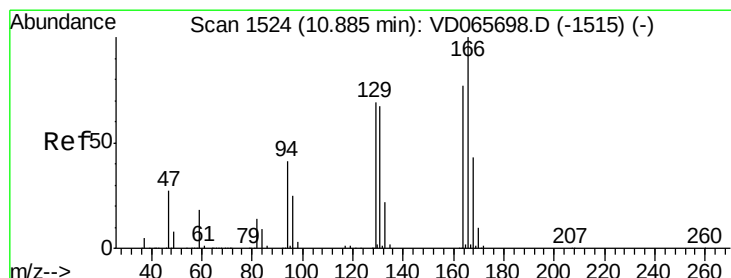
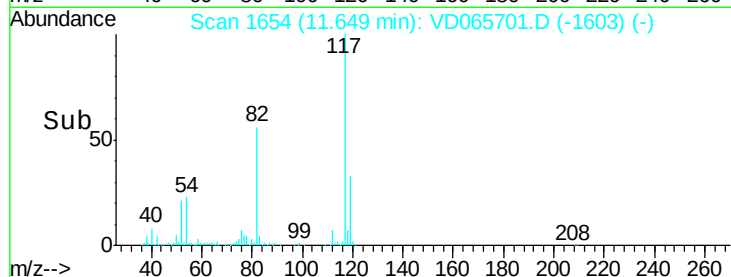
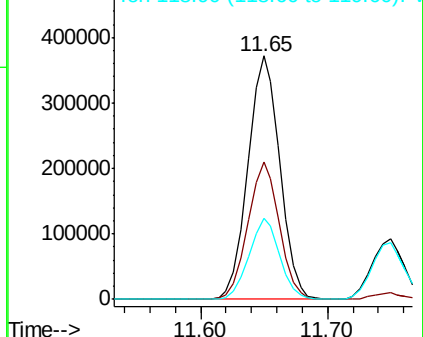
119 33.4 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 47.635 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.01 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Tgt Ion:164 Resp: 221033

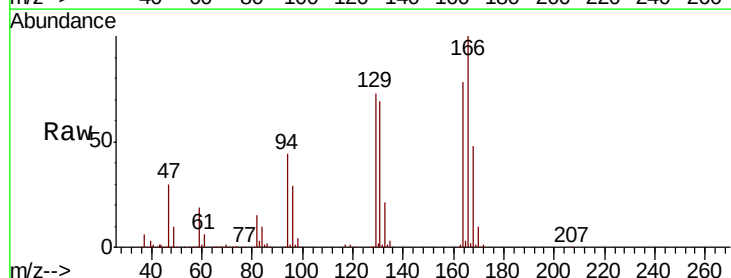
Ion Ratio Lower Upper

164 100

166 127.9 104.3 156.5

129 92.7 71.9 107.9

131 88.1 70.2 105.2

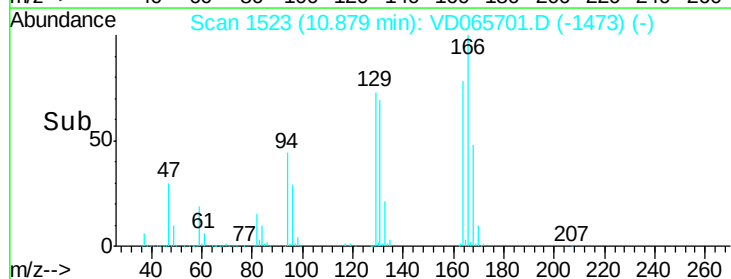
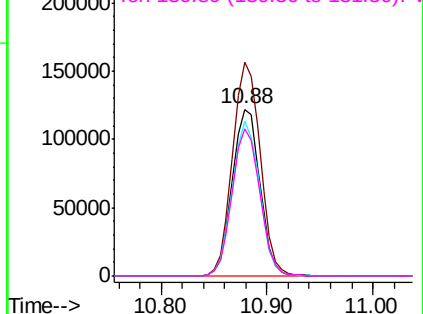


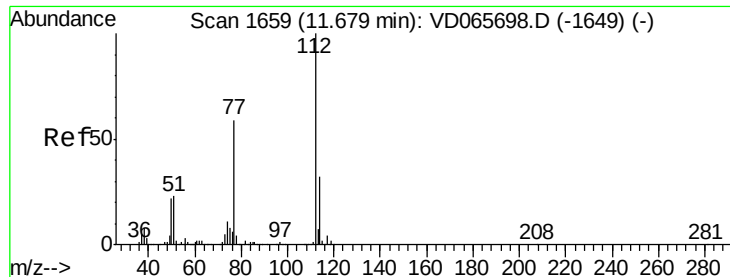
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

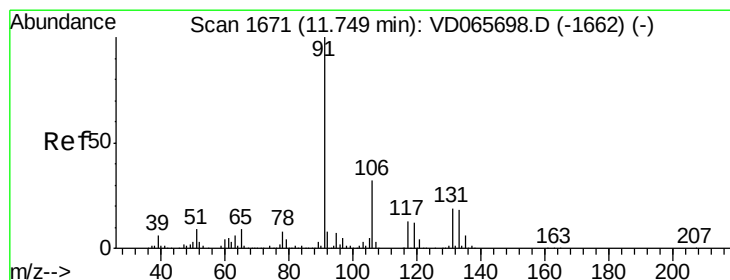
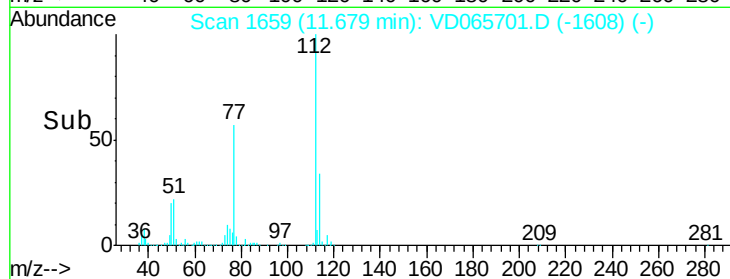
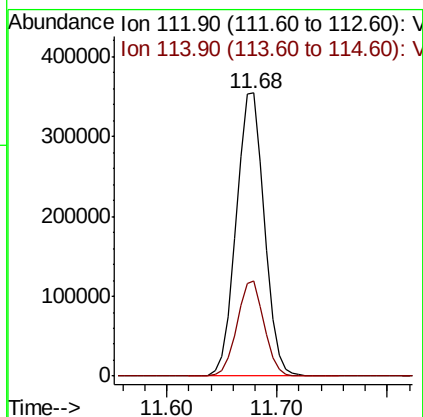
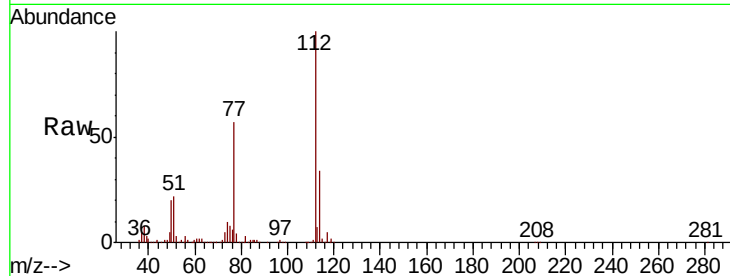




#65
Chlorobenzene
Concen: 48.430 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

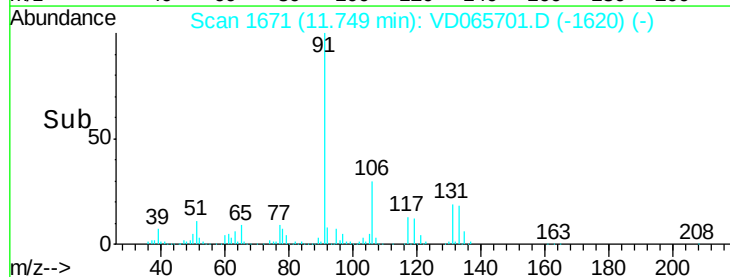
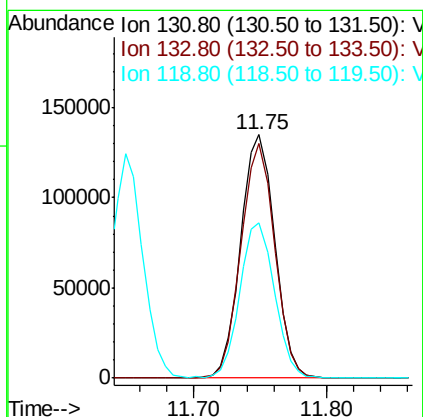
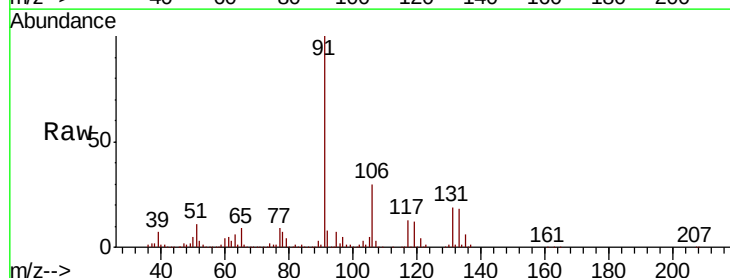
Instrument :
MSVOA_D
ClientSampleId :

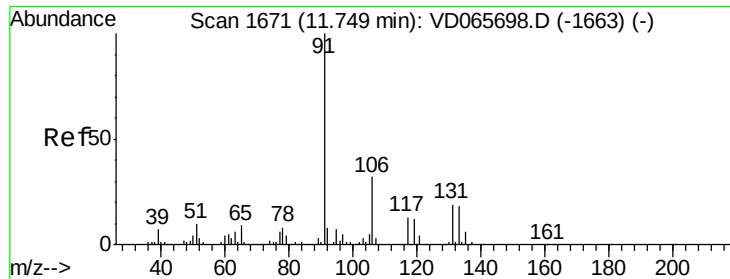
Tot Ion:112 Resp: 636200
Ion Ratio Lower Upper
112 100
114 33.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.730 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion:131 Resp: 238680
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.8
119 65.0 31.8 95.4

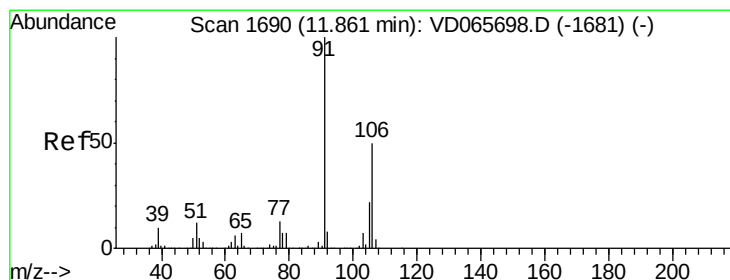
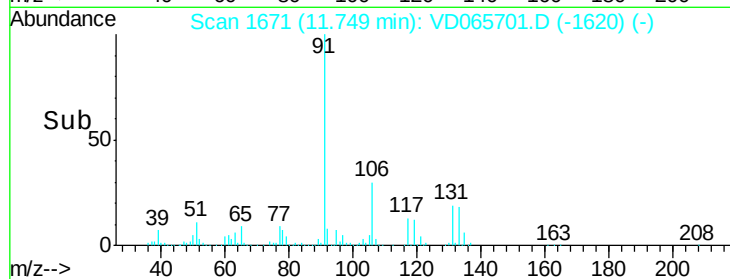
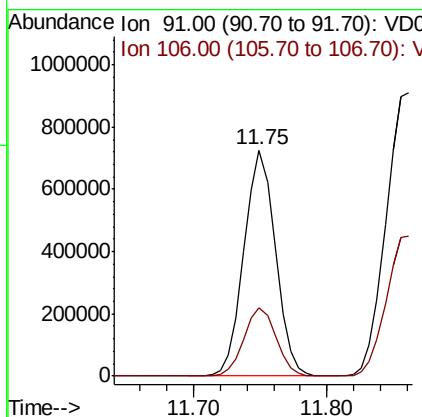
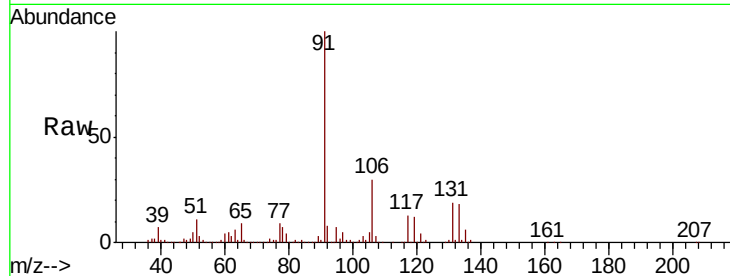




#67
Ethyl Benzene
Concen: 48.157 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

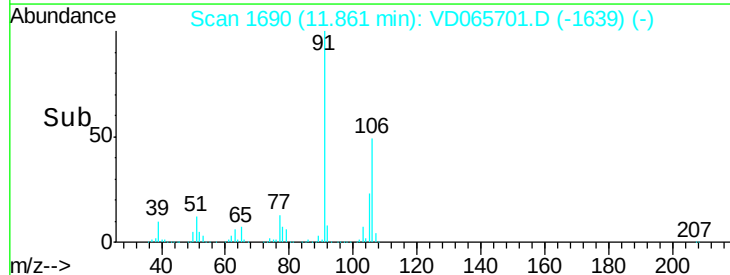
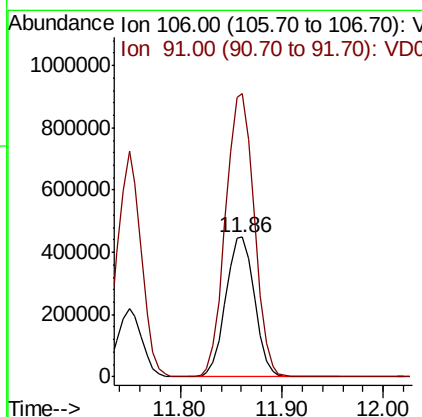
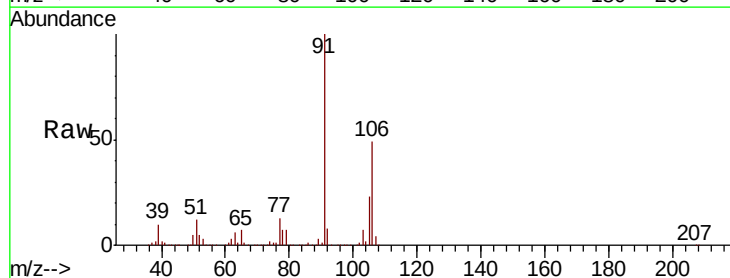
Instrument :
MSVOA_D
ClientSampleId :

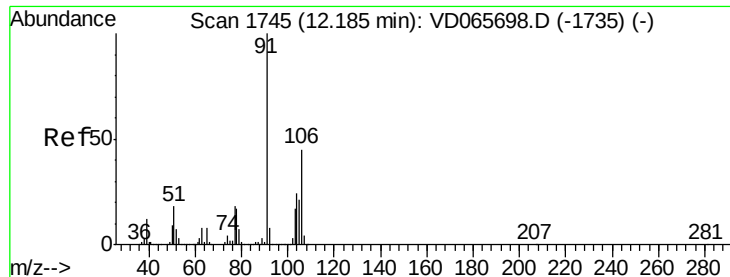
Tot Ion: 91 Resp: 1180183
Ion Ratio Lower Upper
91 100
106 30.5 25.2 37.8



#68
m/p-Xylenes
Concen: 96.949 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion: 106 Resp: 885739
Ion Ratio Lower Upper
106 100
91 202.2 163.1 244.7

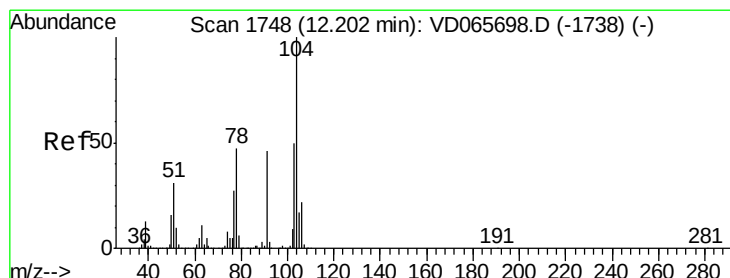
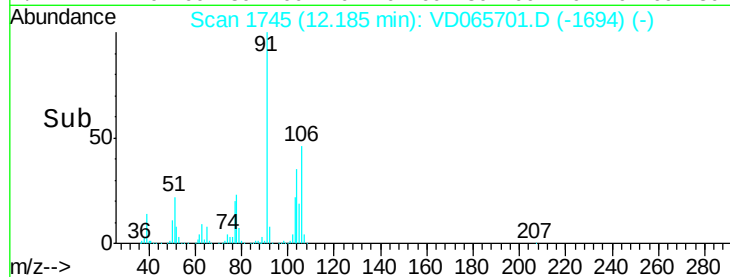
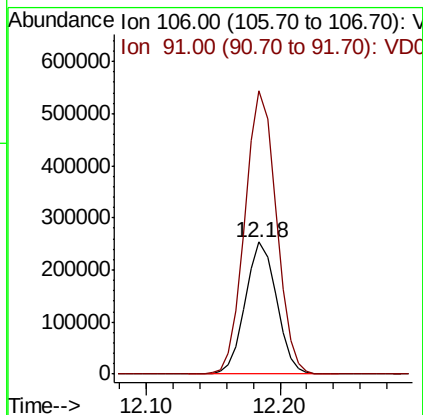
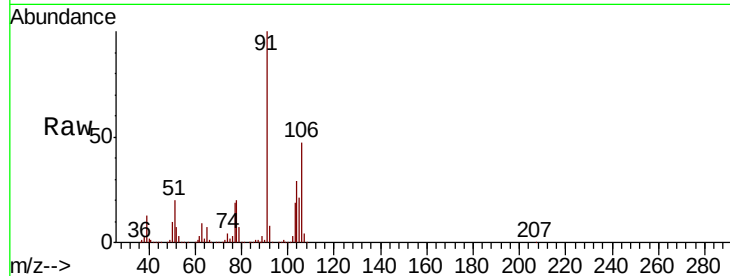




#69
o-Xylene
Concen: 48.061 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

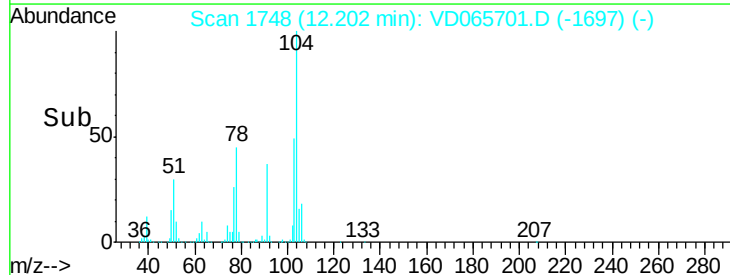
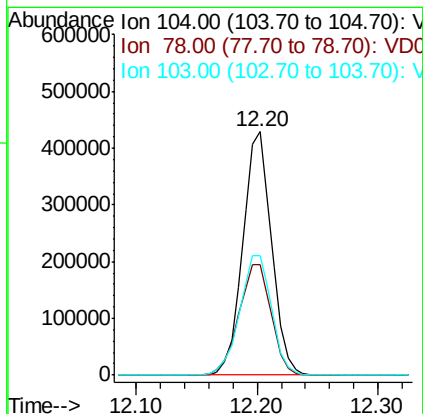
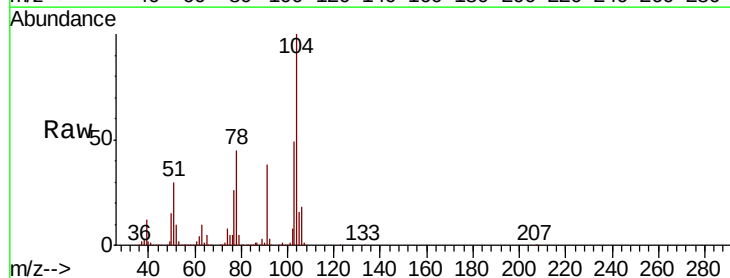
Instrument :
MSVOA_D
ClientSampleId :

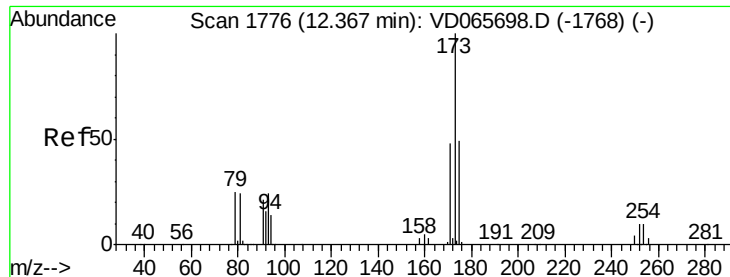
Tot Ion:106 Resp: 409727
Ion Ratio Lower Upper
106 100
91 215.5 107.9 323.7



#70
Styrene
Concen: 48.525 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion:104 Resp: 711260
Ion Ratio Lower Upper
104 100
78 51.5 41.0 61.4
103 54.4 43.8 65.6

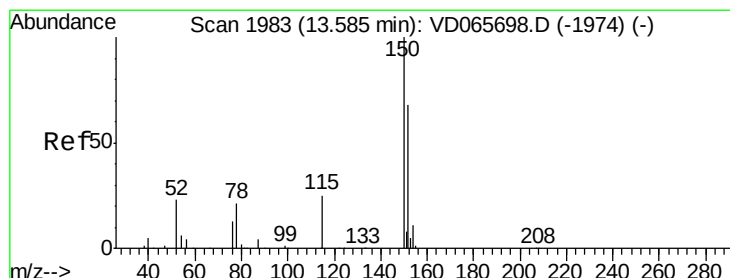
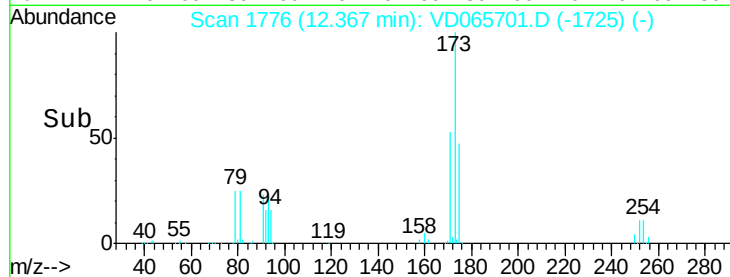
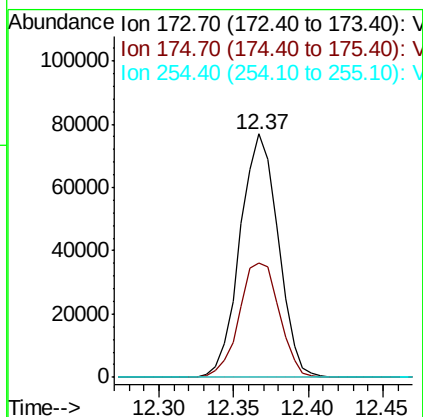
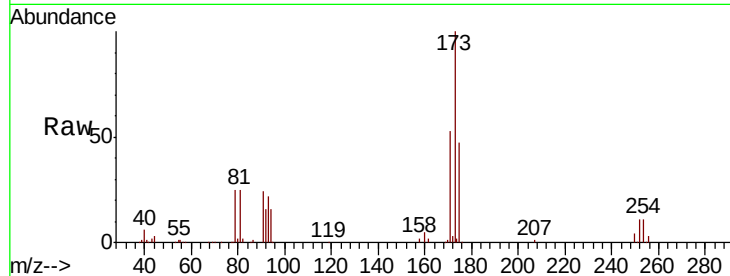




#71
Bromoform
Concen: 49.459 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

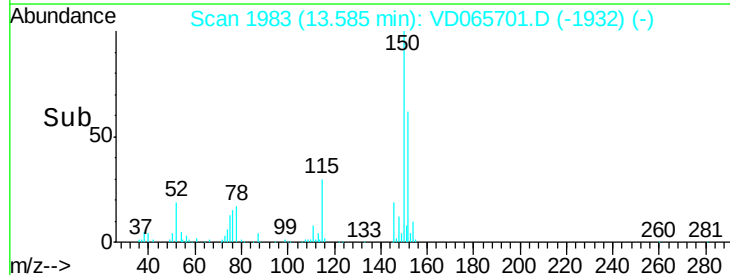
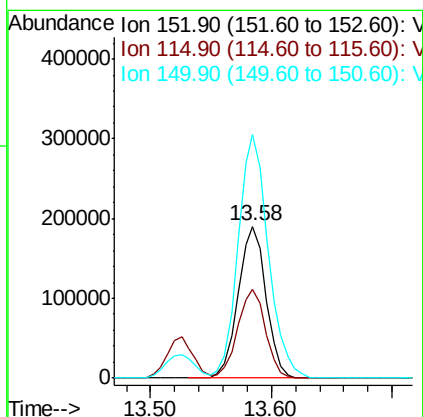
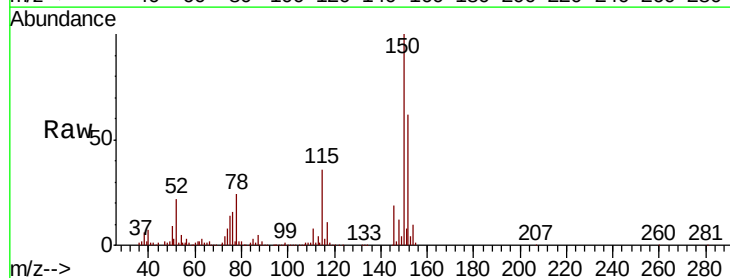
Instrument :
MSVOA_D
ClientSampled :

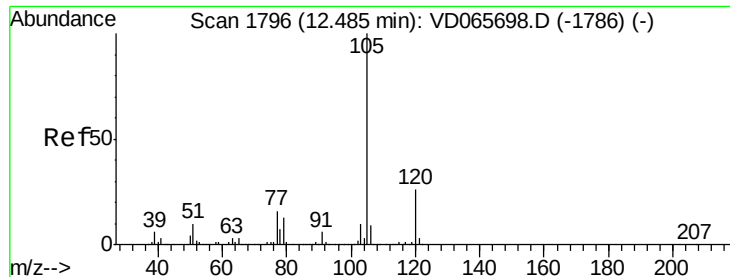
Tot Ion:173 Resp: 136307
Ion Ratio Lower Upper
173 100
175 49.3 24.5 73.5
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065701.D
Acq: 06 May 2020 17:27

Tgt Ion:152 Resp: 306678
Ion Ratio Lower Upper
152 100
115 58.4 29.5 88.5
150 173.2 0.0 346.8





#73

Isopropylbenzene

Concen: 48.382 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

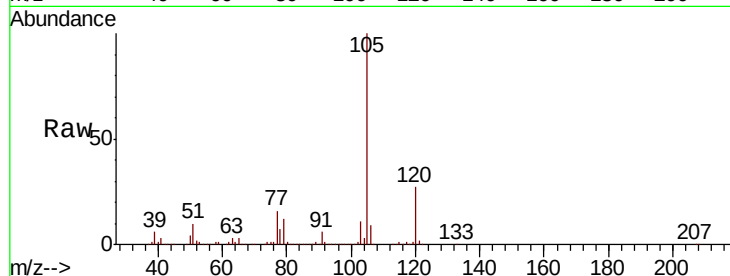
ClientSampleId :

Tot Ion:105 Resp: 1124221

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

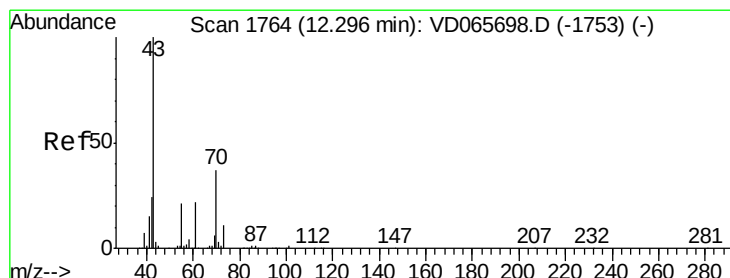
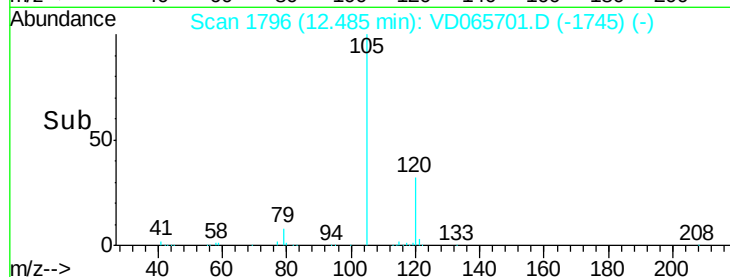
200000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 48.500 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Tgt Ion: 43 Resp: 321728

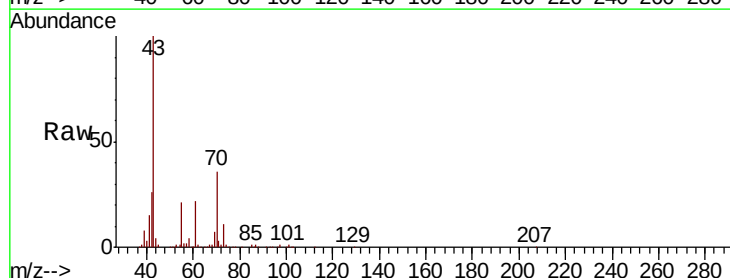
Ion Ratio Lower Upper

43 100

70 36.9 29.3 43.9

55 20.8 16.4 24.6

61 22.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

250000

200000

150000

100000

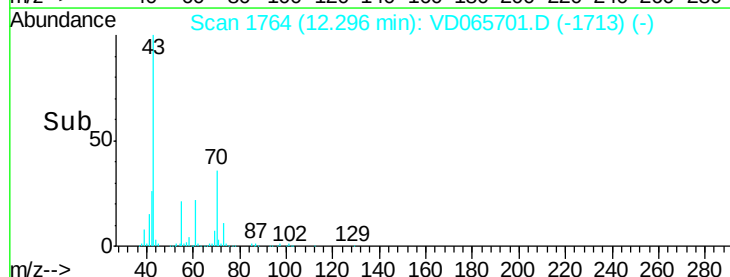
50000

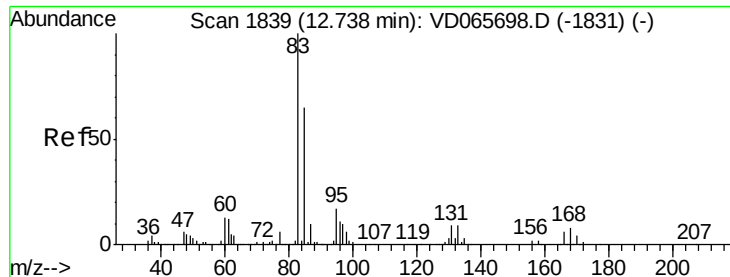
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.557 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

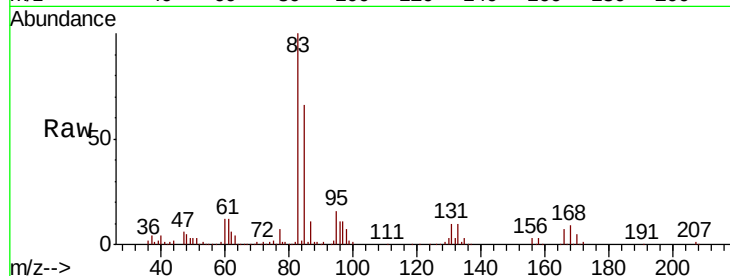
Tot Ion: 83 Resp: 189202

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.7

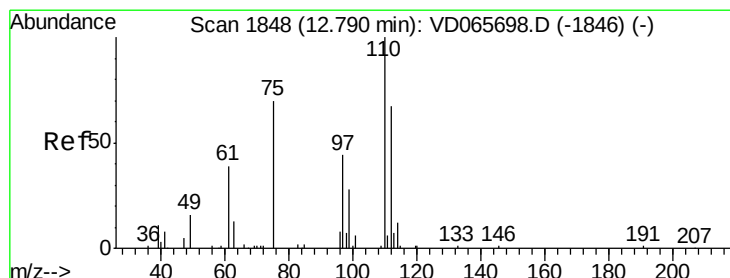
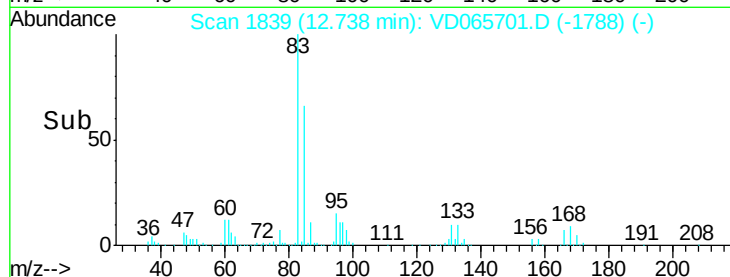
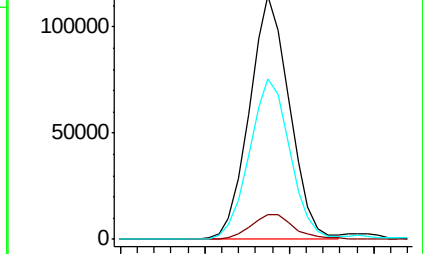
85 66.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 101.312 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065701.D

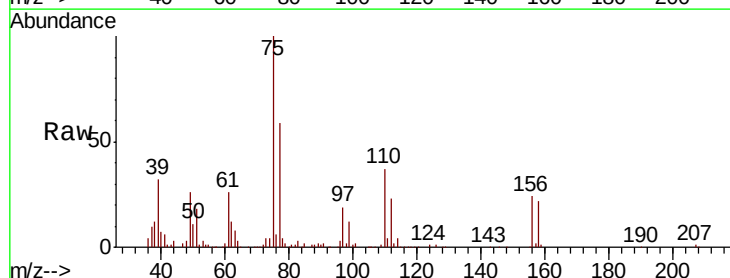
Acq: 06 May 2020 17:27

Tgt Ion: 75 Resp: 262418

Ion Ratio Lower Upper

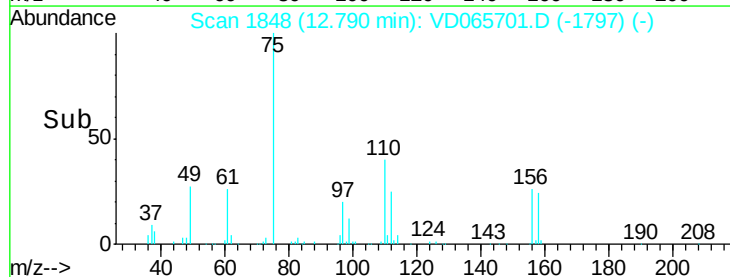
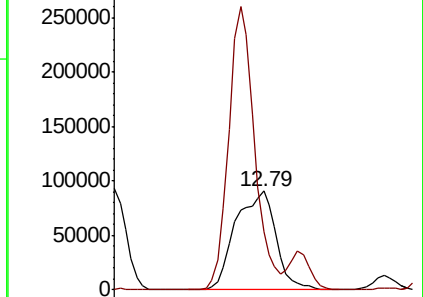
75 100

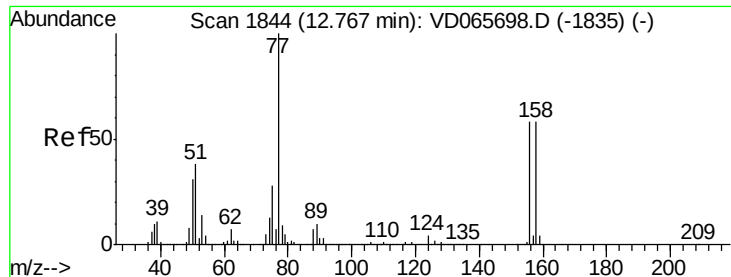
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.033 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

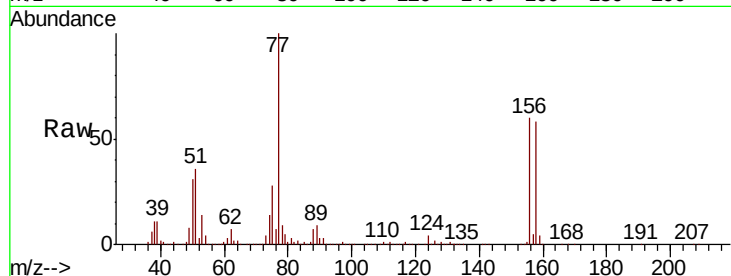
Tot Ion:156 Resp: 266592

Ion Ratio Lower Upper

156 100

77 180.2 92.9 278.7

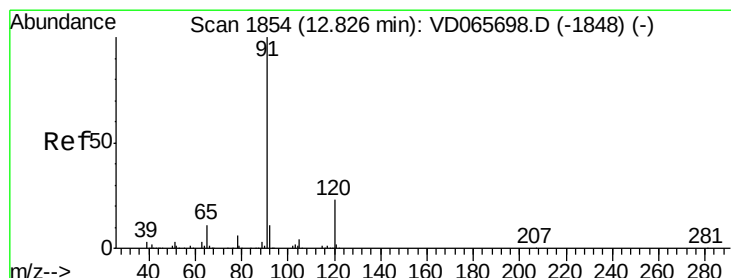
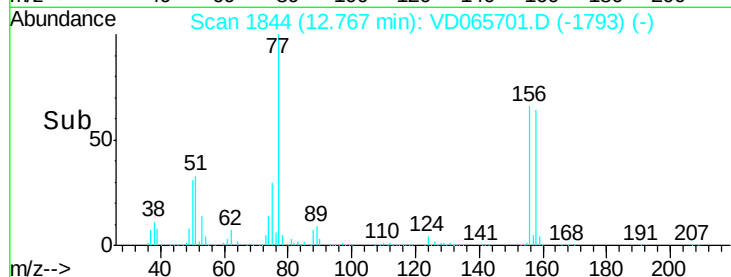
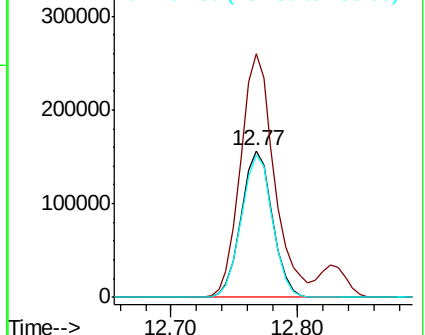
158 97.2 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.293 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065701.D

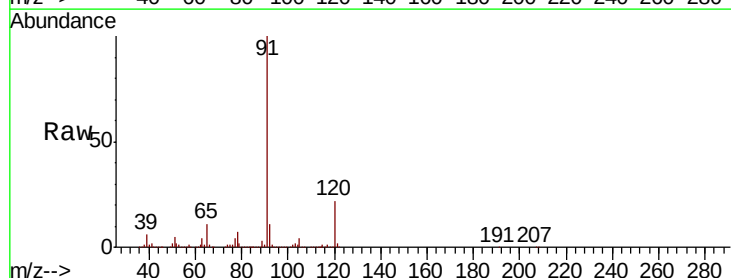
Acq: 06 May 2020 17:27

Tgt Ion: 91 Resp: 1321323

Ion Ratio Lower Upper

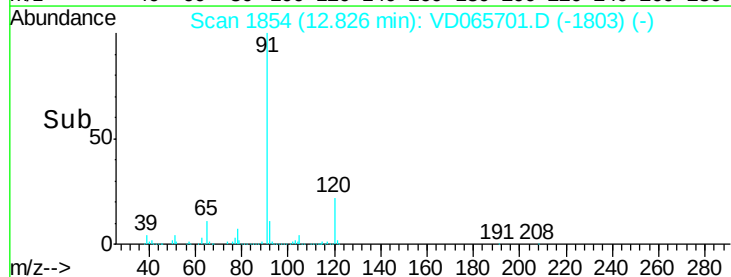
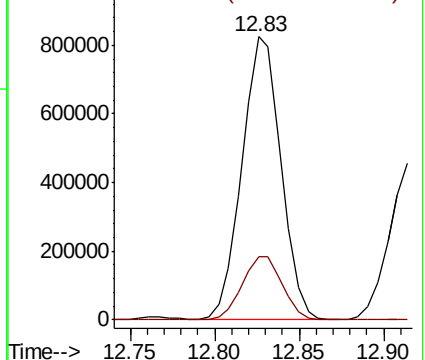
91 100

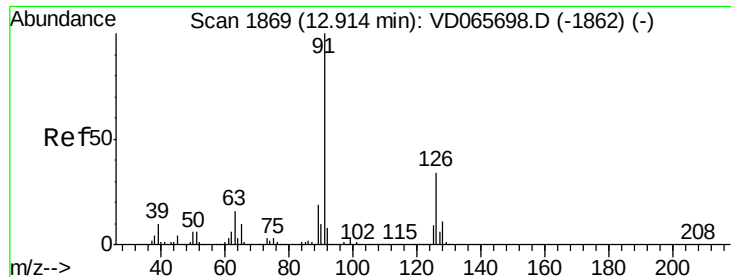
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.254 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

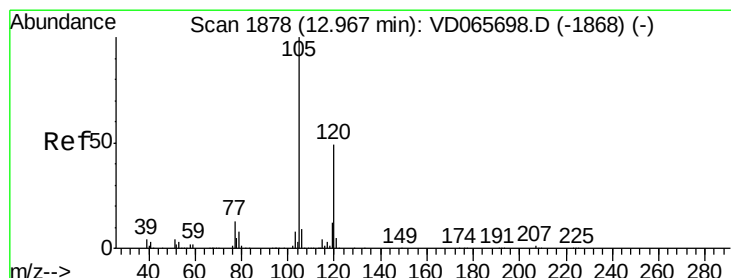
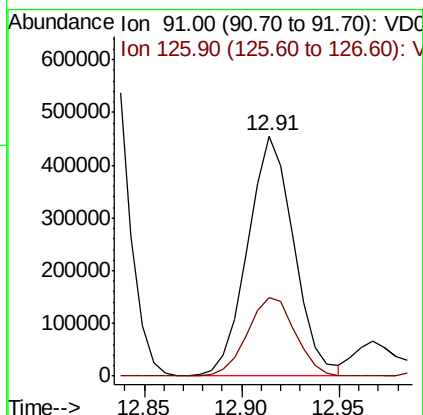
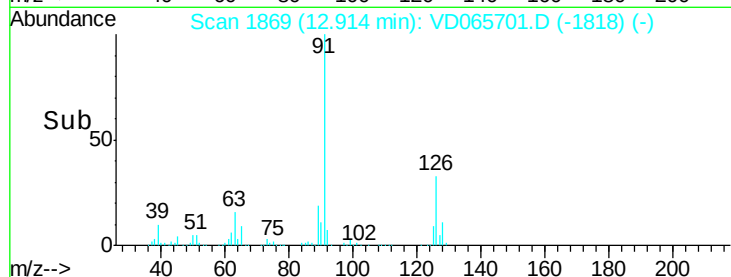
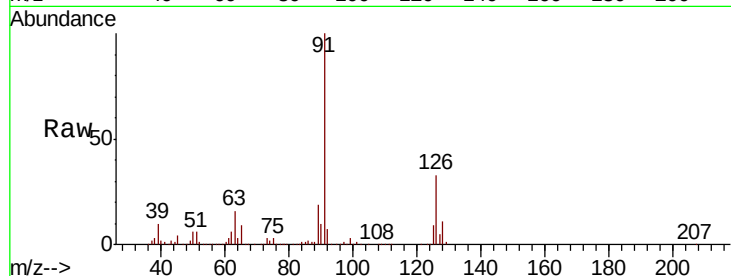
ClientSampleId :

Tot Ion: 91 Resp: 745930

Ion Ratio Lower Upper

91 100

126 34.0 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 48.296 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065701.D

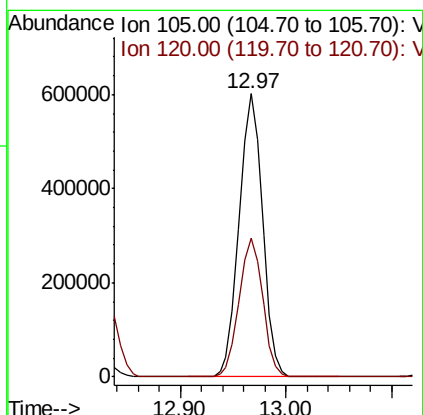
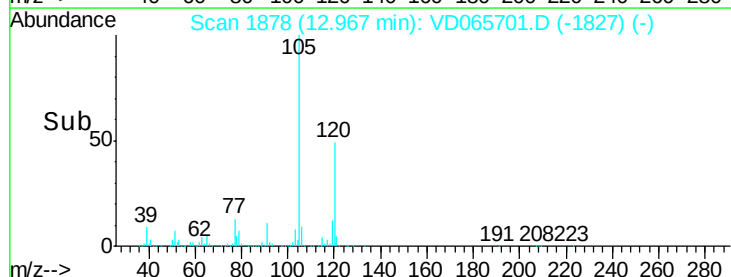
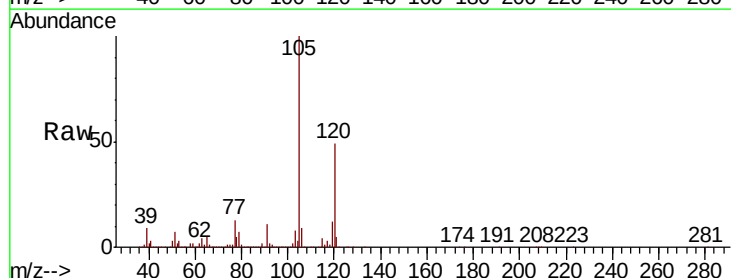
Acq: 06 May 2020 17:27

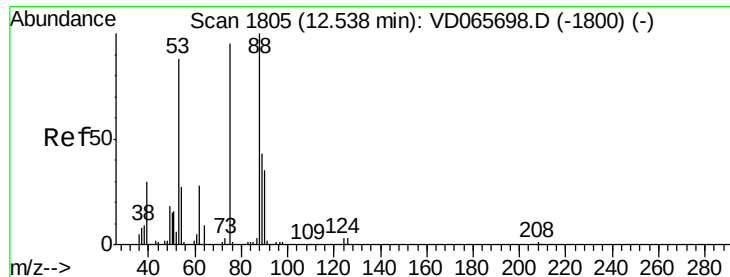
Tgt Ion: 105 Resp: 921338

Ion Ratio Lower Upper

105 100

120 49.4 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.745 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

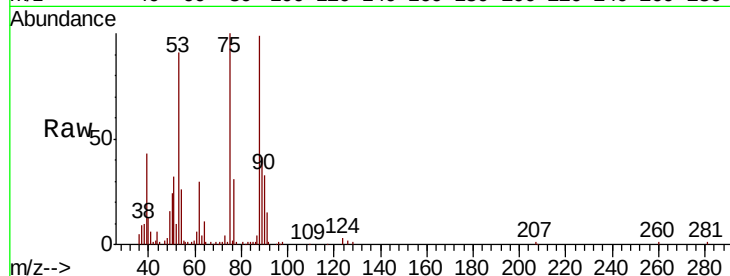
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 72789

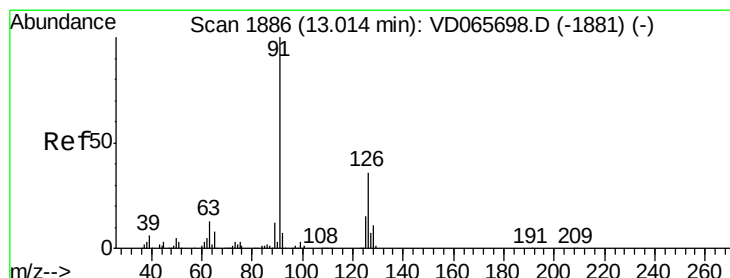
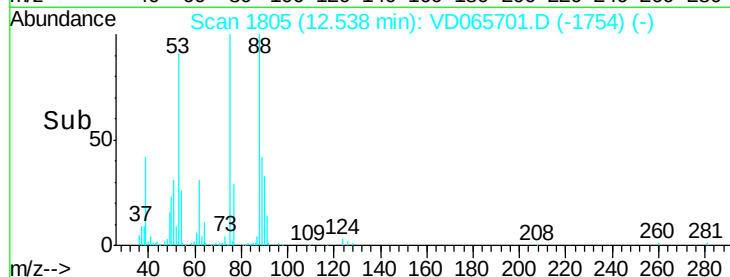
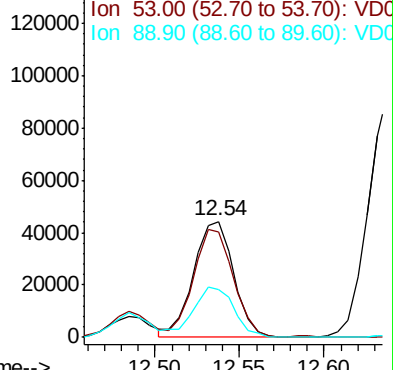
Ion	Ratio	Lower	Upper
75	100		
53	91.1	75.8	113.8
89	42.1	36.2	54.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 47.729 ug/l

RT: 13.01 min Scan# 1886

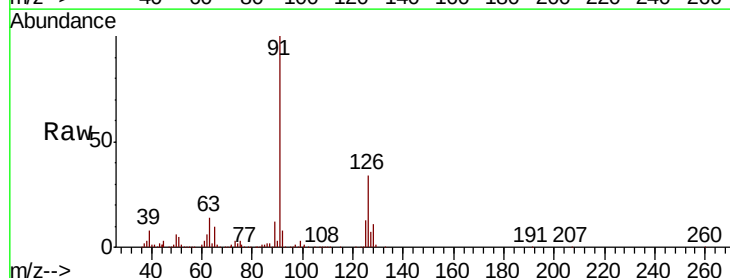
Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

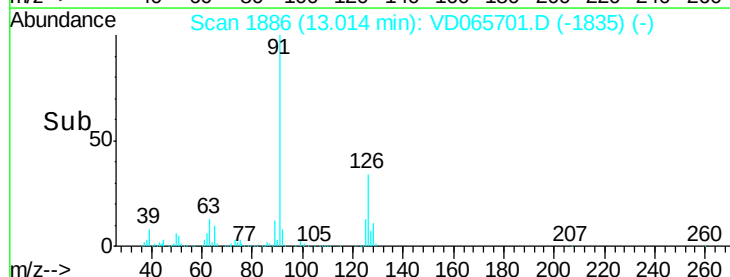
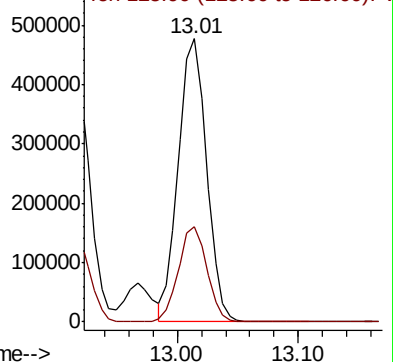
Tgt Ion: 91 Resp: 772070

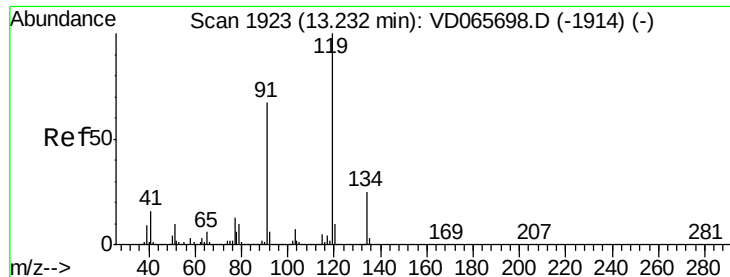
Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.1	51.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

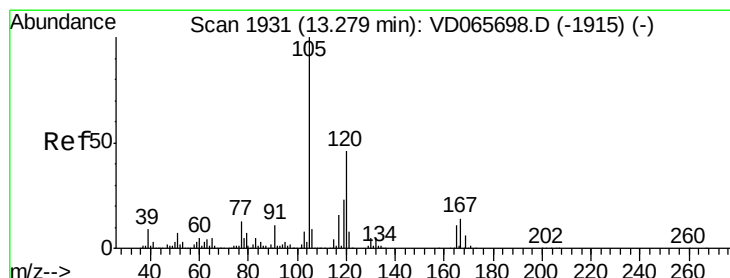
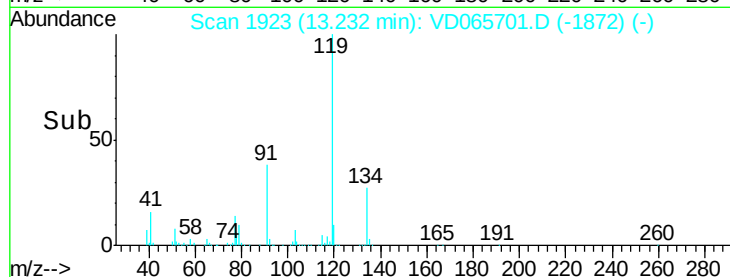
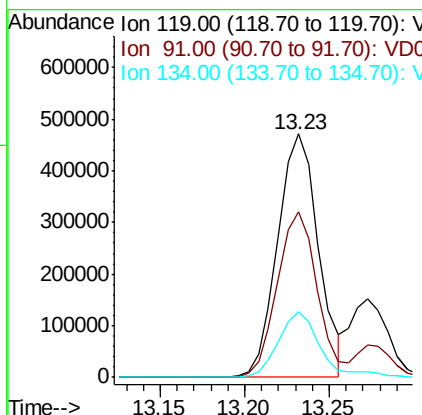
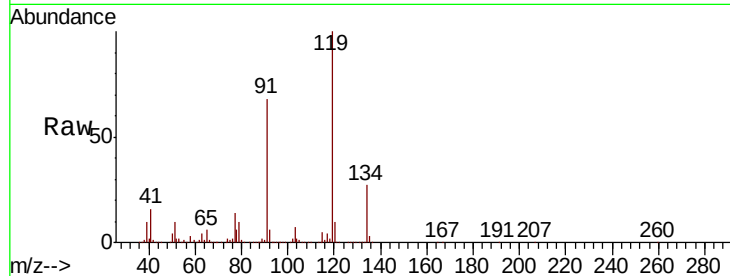




#83
 tert-Butylbenzene
 Concen: 48.435 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

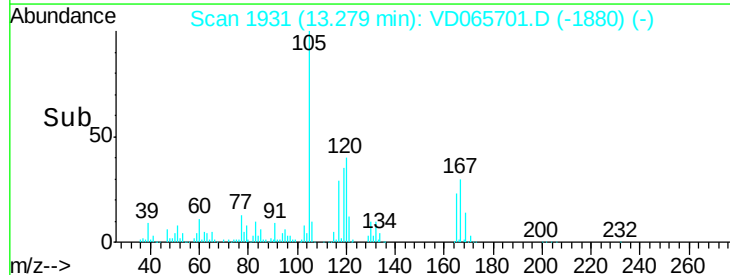
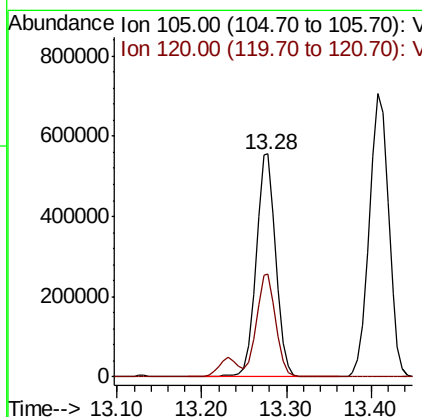
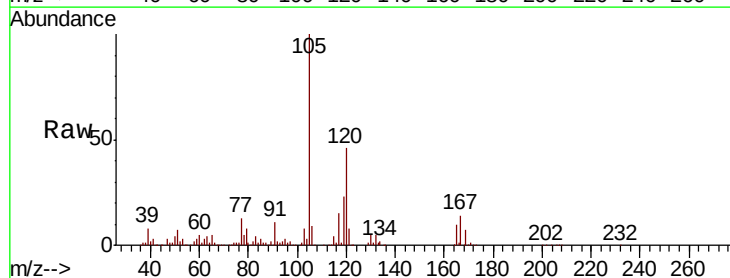
Instrument :
 MSVOA_D
 ClientSampled :

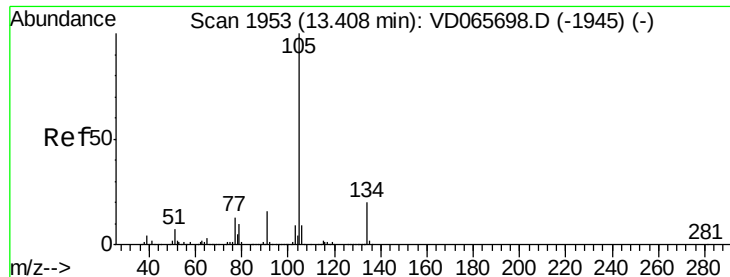
Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	33.6	100.8
134	27.8	13.6	40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 47.972 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.8	68.4





#85

sec-Butylbenzene

Concen: 48.838 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

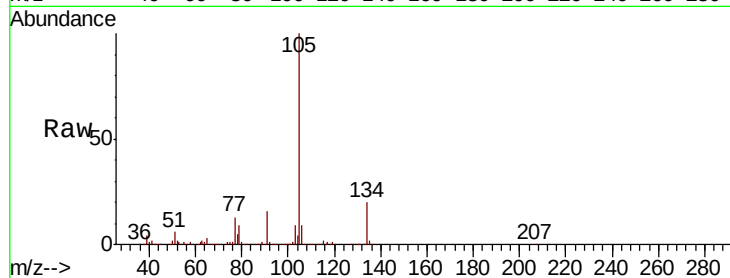
ClientSampleId :

Tot Ion:105 Resp: 1112437

Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

800000

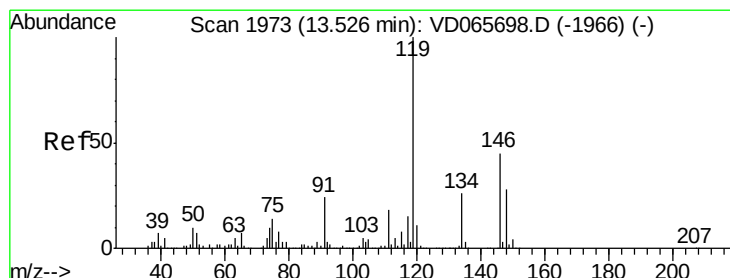
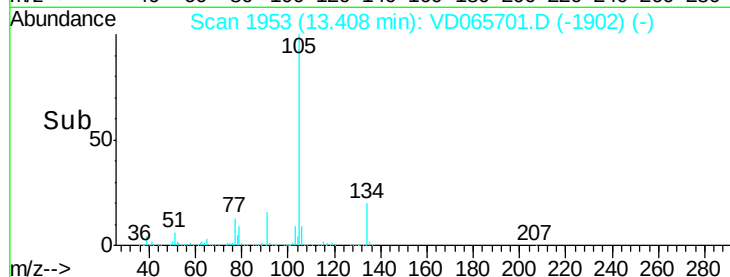
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.394 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

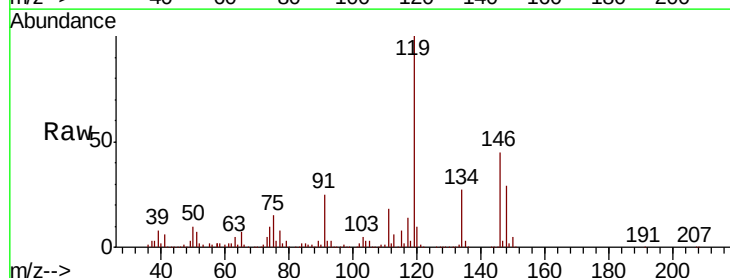
Tgt Ion:119 Resp: 1004504

Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.6

91 24.0 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

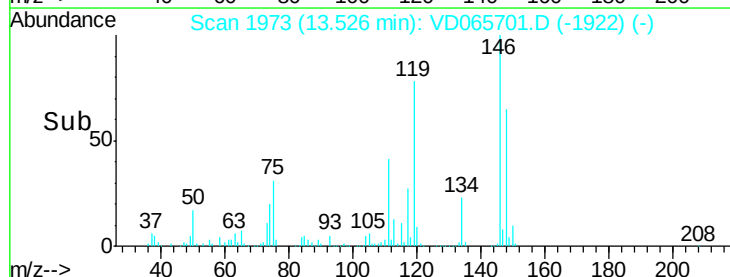
600000

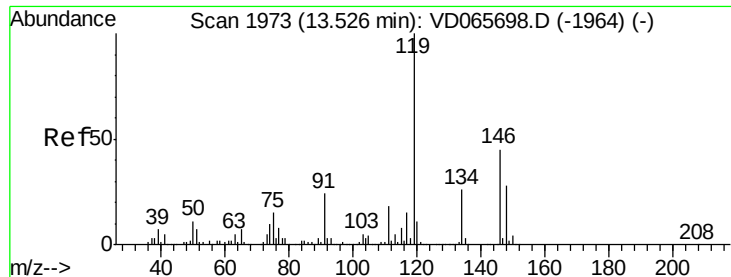
400000

200000

0

Time-->

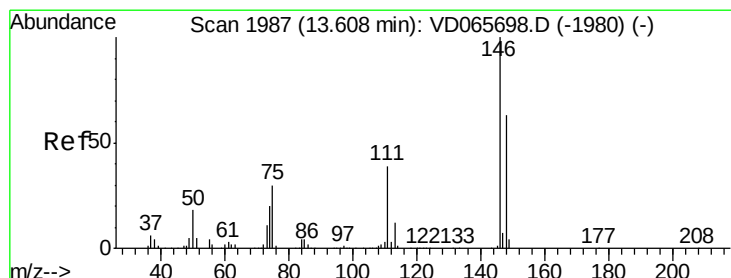
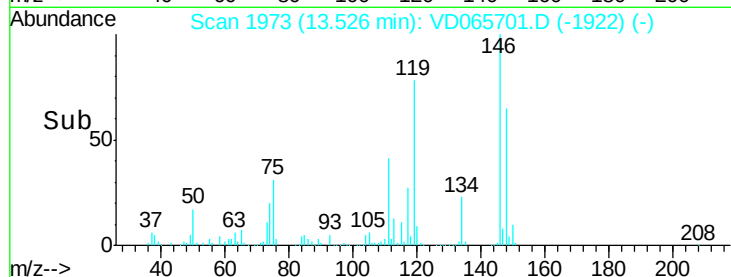
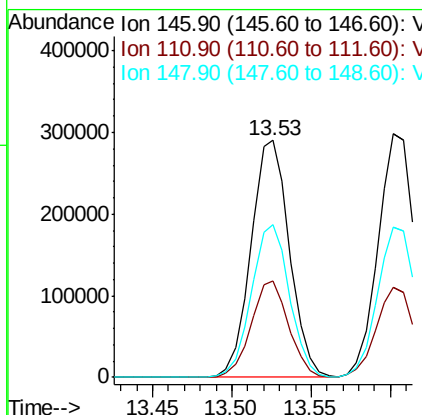
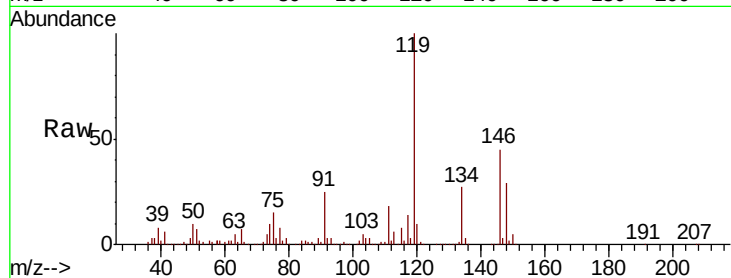




#87
 1,3-Dichlorobenzene
 Concen: 48.882 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

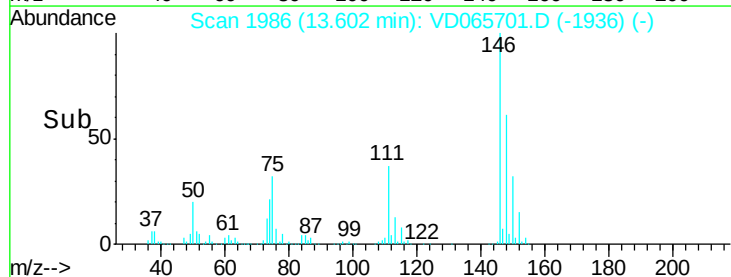
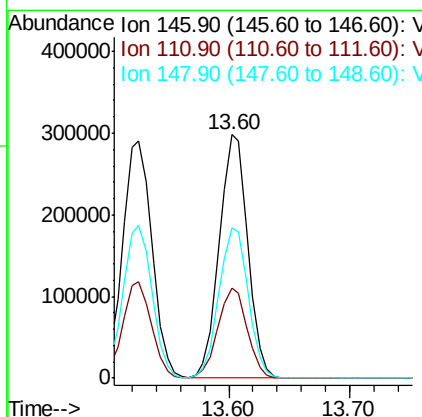
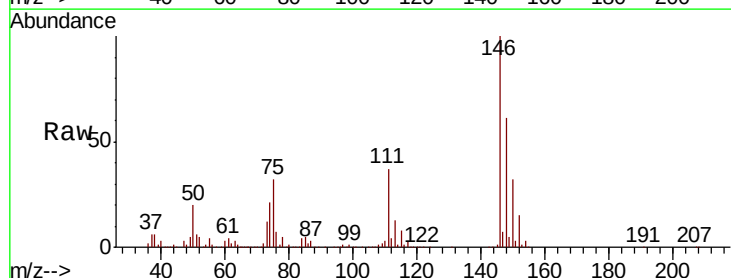
Instrument :
 MSVOA_D
 ClientSampleId :

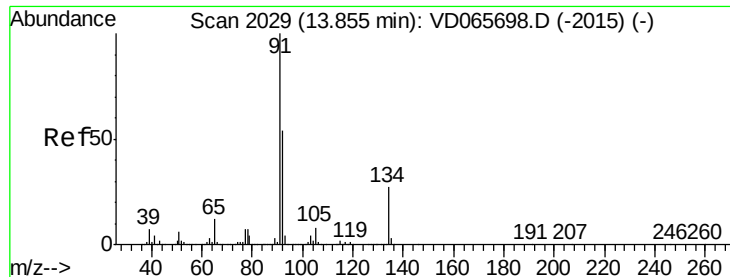
Tot Ion:146 Resp: 489538
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.6 58.8
 148 63.9 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 49.179 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion:146 Resp: 485924
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.6 58.7
 148 63.3 31.9 95.5





#89

n-Butylbenzene

Concen: 47.617 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

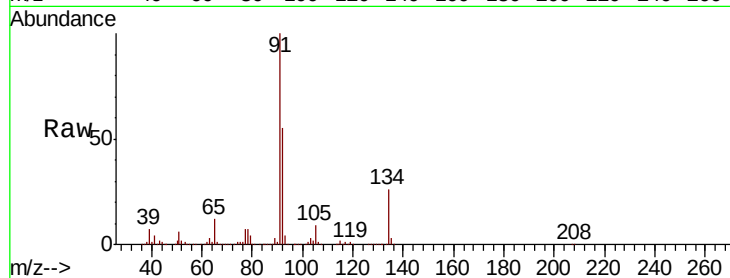
Tot Ion: 91 Resp: 957596

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.4	82.0
134	26.3	13.3	39.8

91 100

92 54.2 27.4 82.0

134 26.3 13.3 39.8

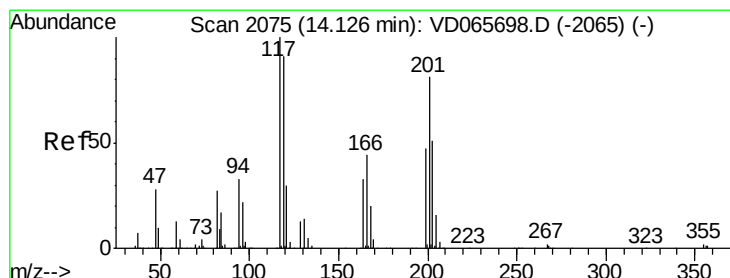
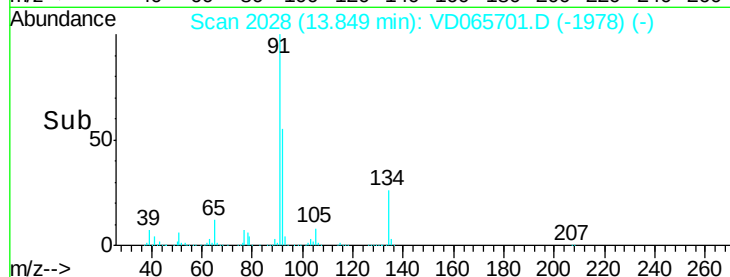
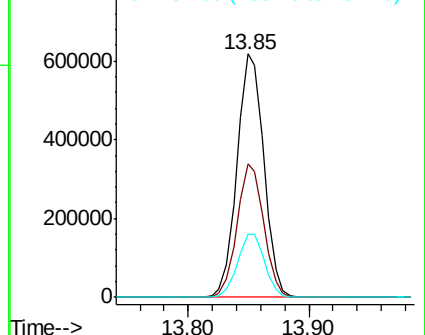


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 48.566 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.01 min

Lab File: VD065701.D

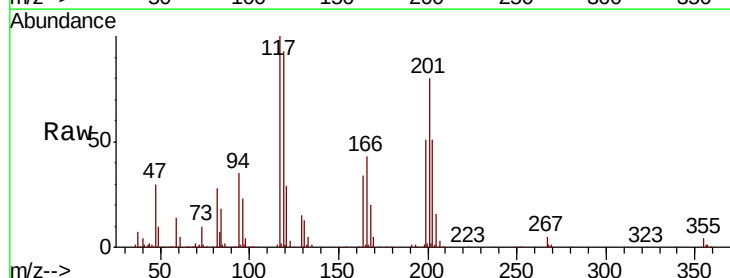
Acq: 06 May 2020 17:27

Tgt Ion: 117 Resp: 200782

Ion	Ratio	Lower	Upper
117	100		
201	80.2	39.1	117.2

117 100

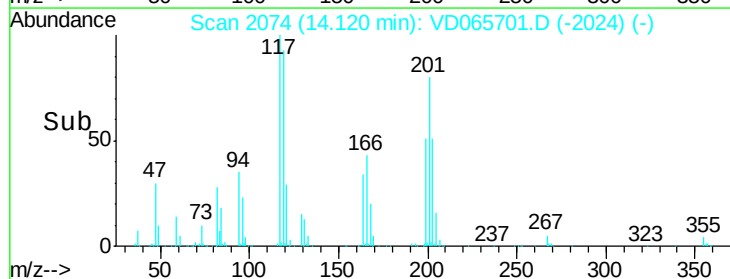
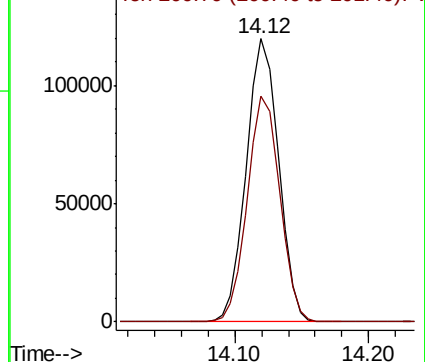
201 80.2 39.1 117.2

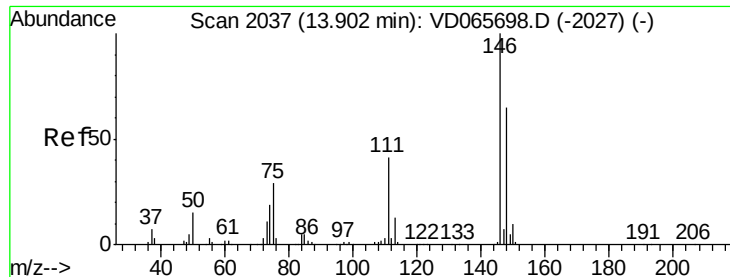


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

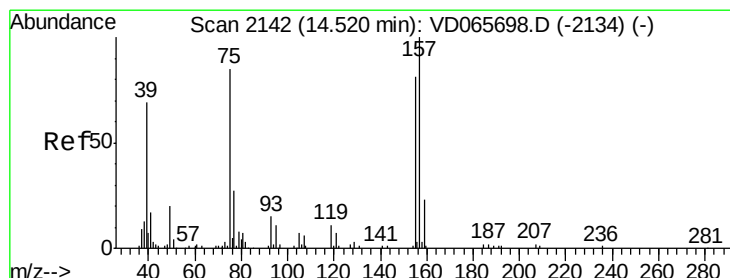
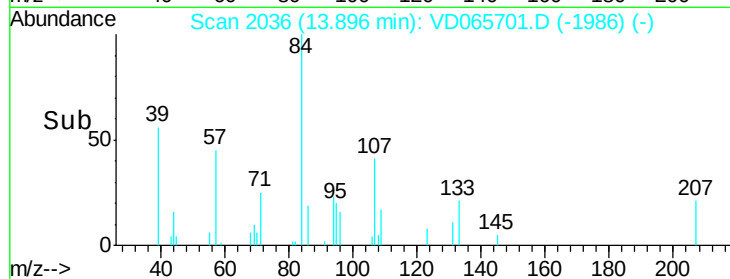
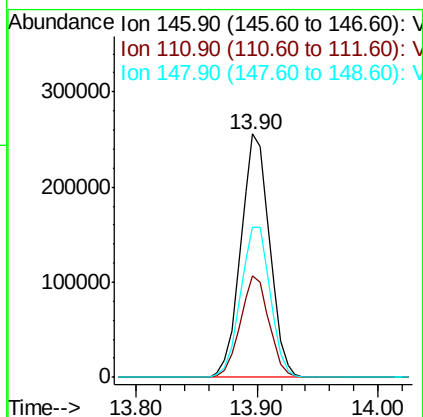
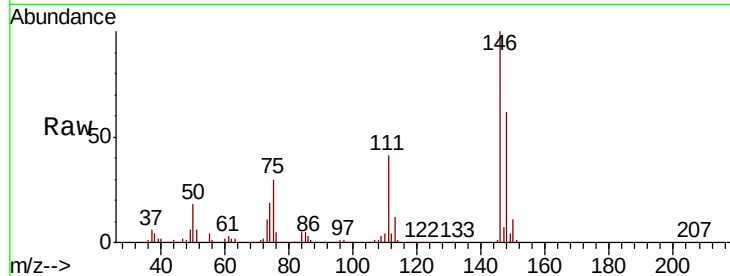




#91
 1,2-Dichlorobenzene
 Concen: 49.208 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

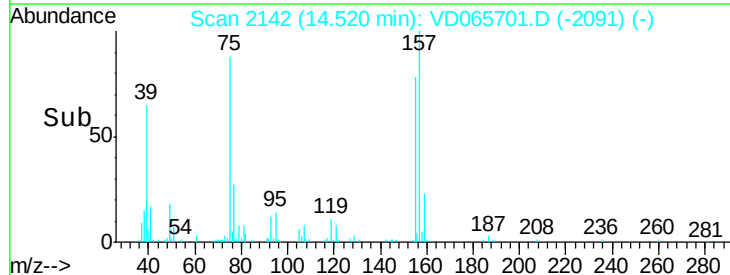
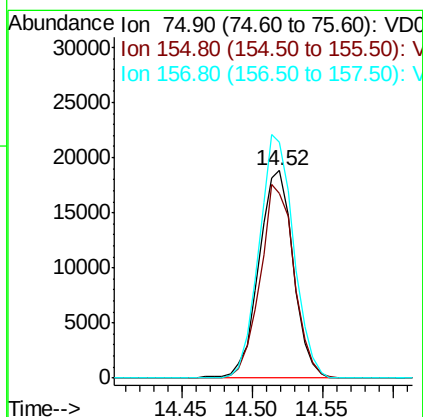
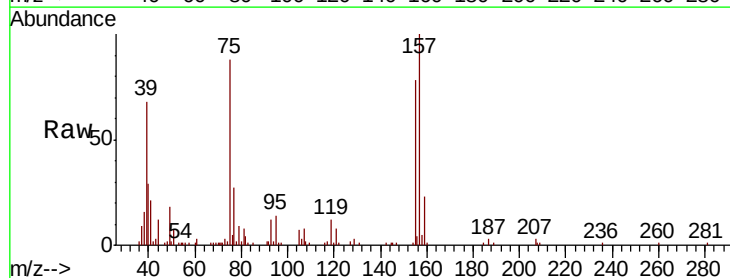
Instrument :
 MSVOA_D
 ClientSampleId :

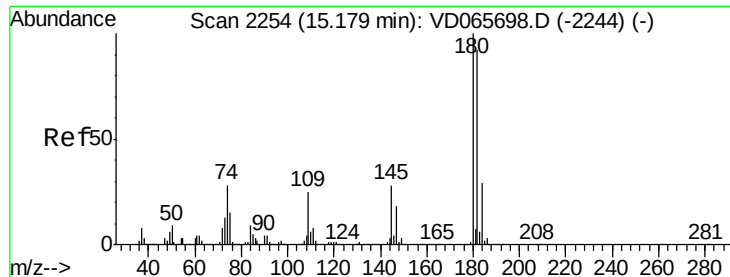
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	61.0
148	63.8	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.299 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	43.5	130.5
157	117.4	54.5	163.6

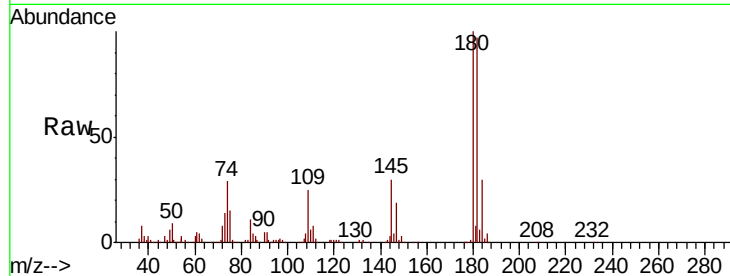




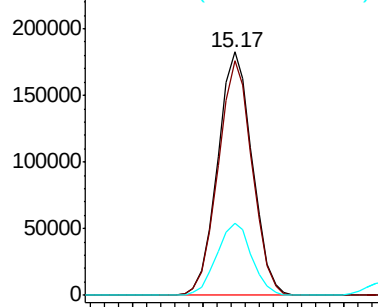
#93
 1,2,4-Trichlorobenzene
 Concen: 48.365 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

Instrument :
 MSVOA_D
 ClientSampleId :

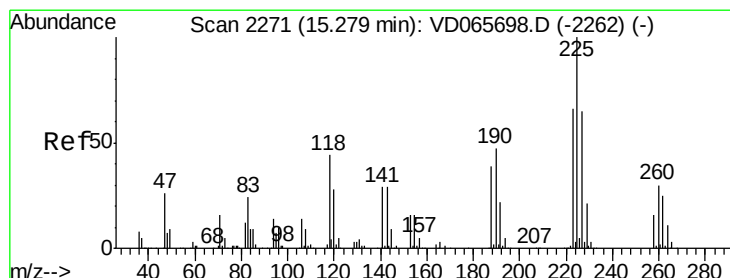
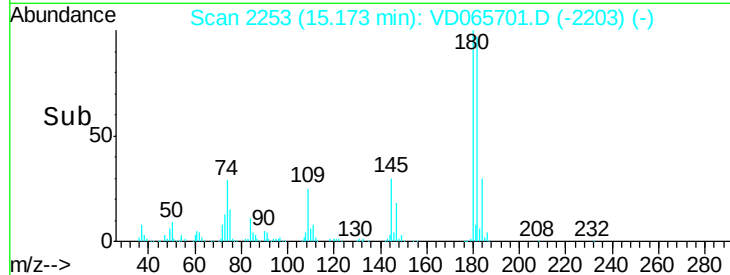
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.0	141.0
145	30.0	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

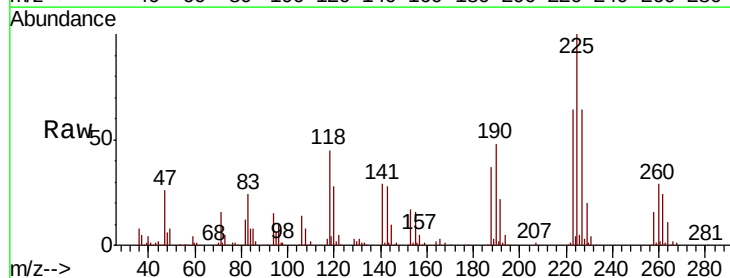


Time-->

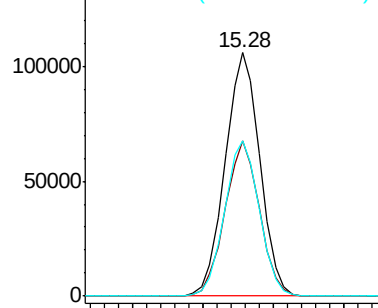


#94
 Hexachlorobutadiene
 Concen: 48.725 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065701.D
 Acq: 06 May 2020 17:27

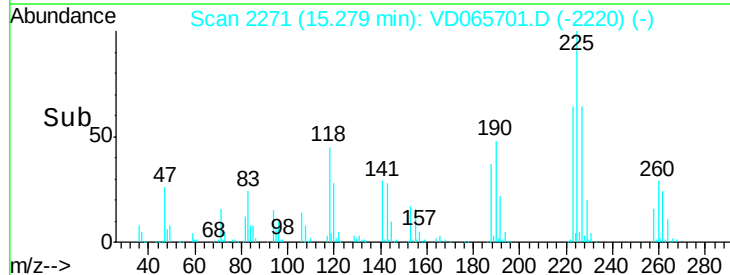
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.3
227	63.7	31.6	94.8

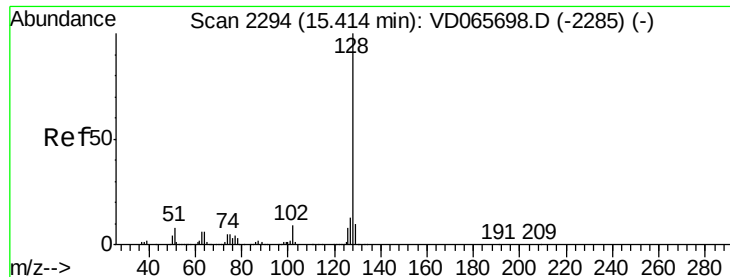


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 49.842 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

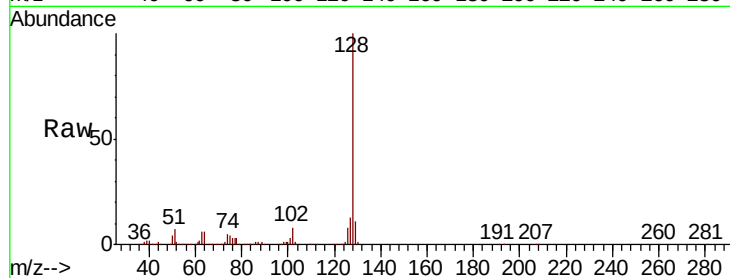
Tot Ion:128 Resp: 568069

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

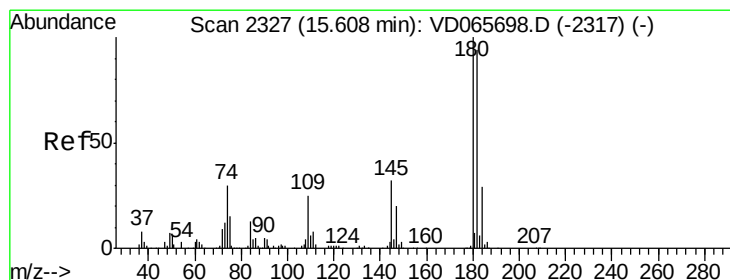
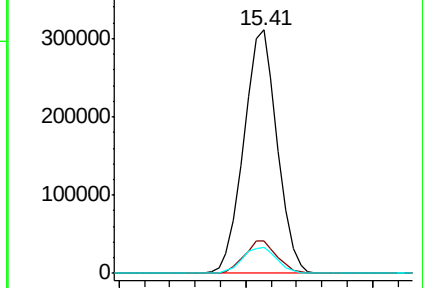
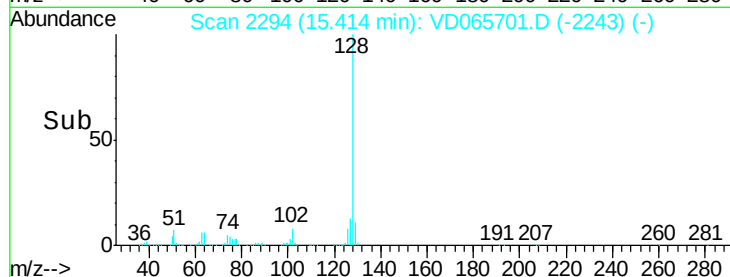
129 11.0 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.464 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065701.D

Acq: 06 May 2020 17:27

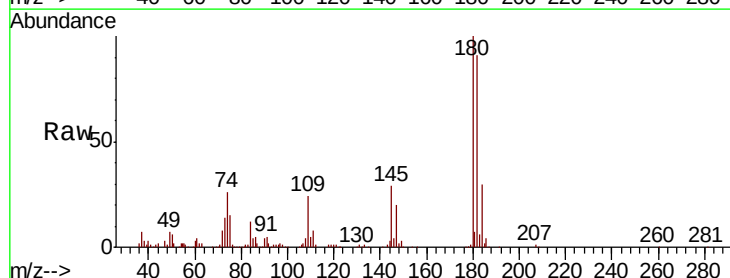
Tgt Ion:180 Resp: 272808

Ion Ratio Lower Upper

180 100

182 92.9 46.9 140.6

145 31.3 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

