

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
 Data File : VD068786.D
 Acq On : 08 Apr 2021 13:48
 Operator : VA/SY
 Sample : M1979-13
 Misc : 5.17G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:01:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

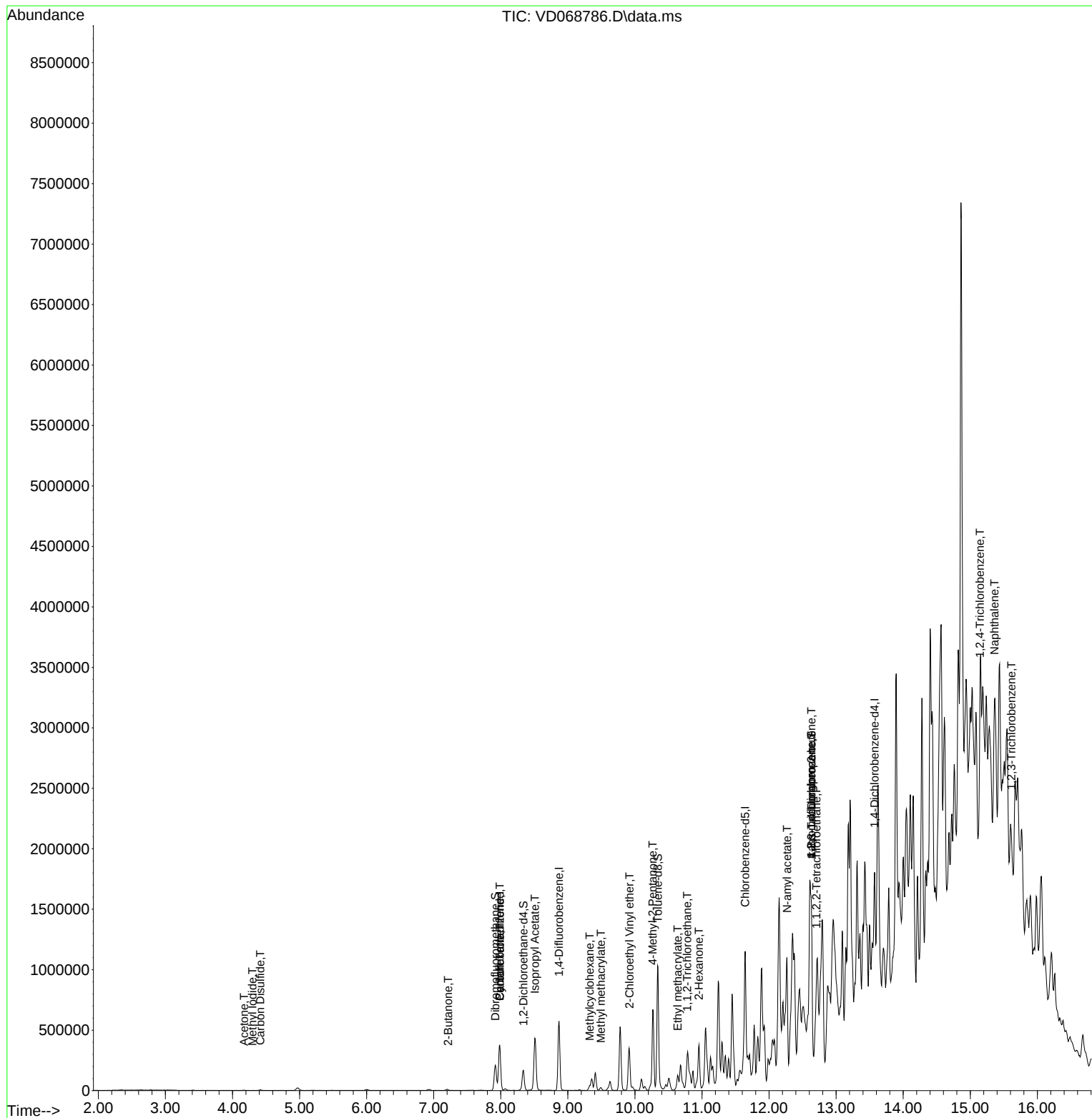
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.985	168	284710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	523319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	552179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	310735	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	131456	43.69	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.38%		
35) Dibromofluoromethane	7.920	113	153028	44.96	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.92%		
50) Toluene-d8	10.343	98	677483	52.76	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.52%		
62) 4-Bromofluorobenzene	12.632	95	318539	74.69	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	149.38%#		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	913	2.50	ug/l #	45
11) Tert butyl alcohol	5.167	59	465	Below Cal	#	73
16) Acetone	4.173	43	3810	9.14	ug/l #	73
17) Carbon Disulfide	4.414	76	9339	1.01	ug/l #	78
25) 2-Butanone	7.214	43	919	1.56	ug/l #	39
31) Cyclohexane	7.985	56	6797	1.36	ug/l #	1
38) Carbon Tetrachloride	7.985	117	29667	5.66	ug/l #	16
39) Methylcyclohexane	9.326	83	9467	1.53	ug/l #	46
43) Isopropyl Acetate	8.508	43	72541	22.87	ug/l #	45
48) Methyl methacrylate	9.491	41	6151	3.94	ug/l #	35
51) 4-Methyl-2-Pentanone	10.267	43	67840	42.44	ug/l #	76
55) 1,1,2-Trichloroethane	10.779	97	65316	22.40	ug/l #	39
56) Ethyl methacrylate	10.638	69	36294	12.09	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.920	63	614	17.35	ug/l #	44
59) 2-Hexanone	10.955	43	123147	115.12	ug/l #	26
74) N-amyl acetate	12.267	43	193800	50.37	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.708	83	38020	8.97	ug/l #	6
76) 1,2,3-Trichloropropane	12.632	75	130081	45.82	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	130081	106.34	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.143	180	6021	1.04	ug/l #	1
95) Naphthalene	15.361	128	62667	6.22	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.614	180	6955	1.37	ug/l #	62

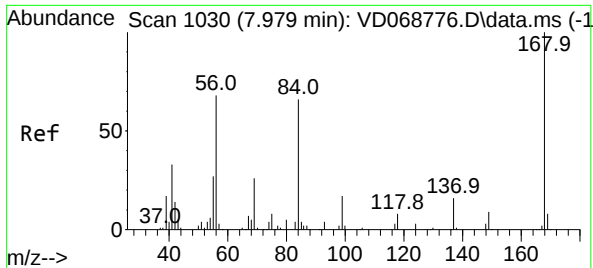
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Apr 09 01:01:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

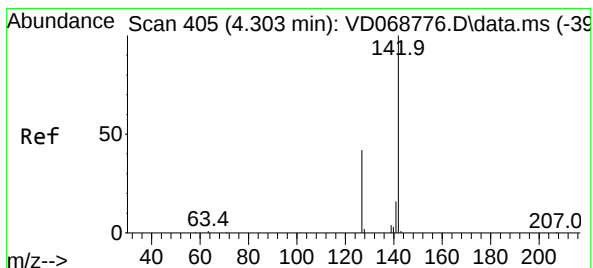
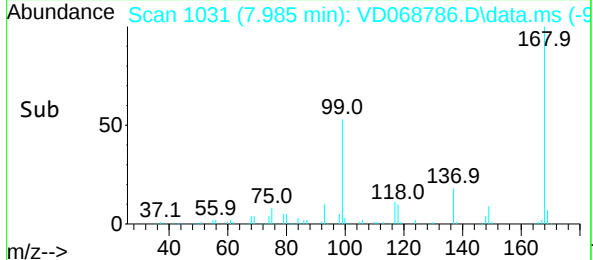
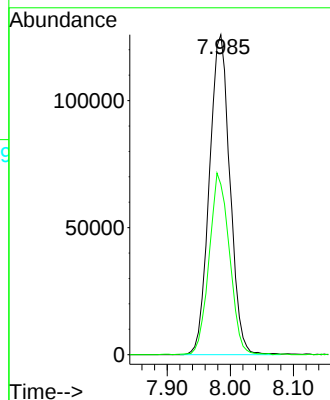
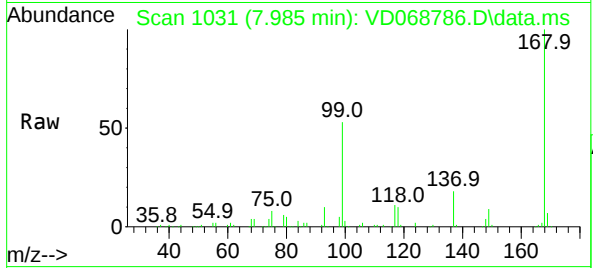




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

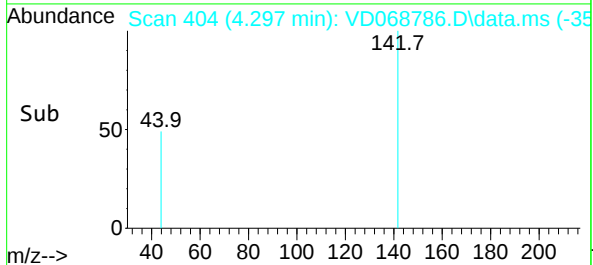
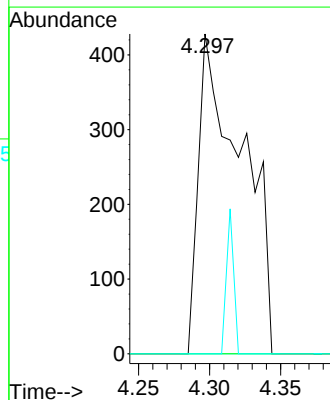
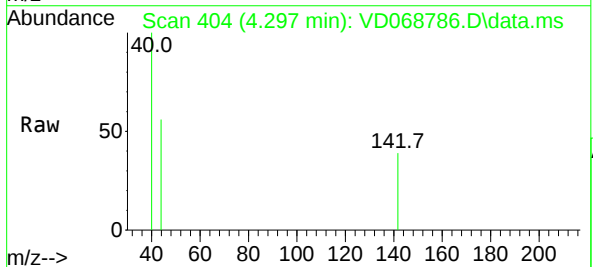
Instrument :
MSVOA_D
ClientSampled :

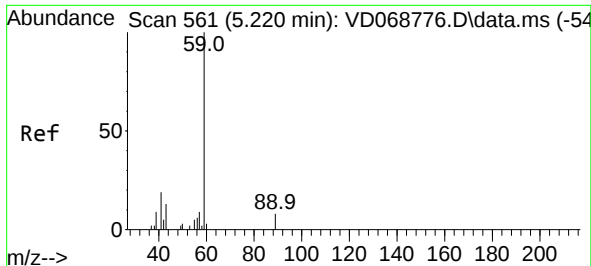
Tgt Ion:168 Resp: 284710
Ion Ratio Lower Upper
168 100
99 53.0 46.2 69.2



#10
Methyl Iodide
Concen: 2.50 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

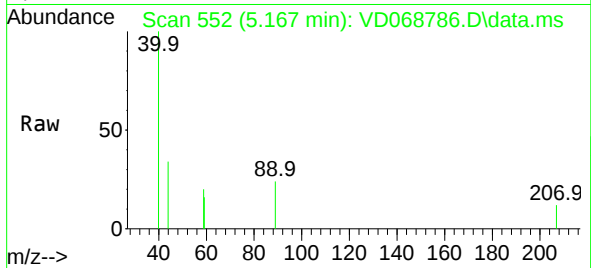
Tgt Ion:142 Resp: 913
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 7.4 11.0 16.4#



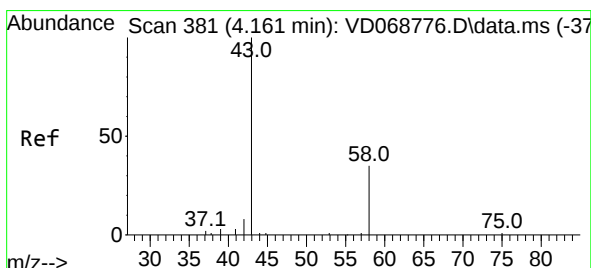
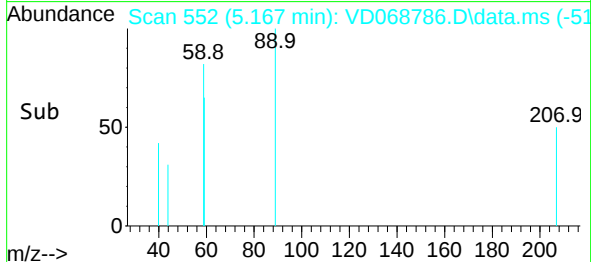
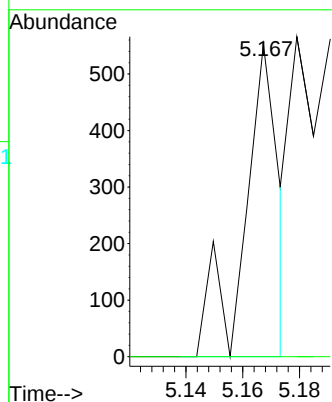


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.167 min Scan# 552
Delta R.T. -0.053 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Instrument :
MSVOA_D
ClientSampled :

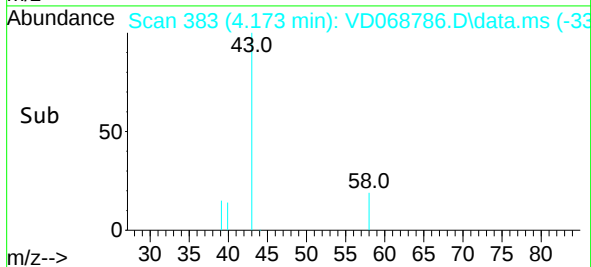
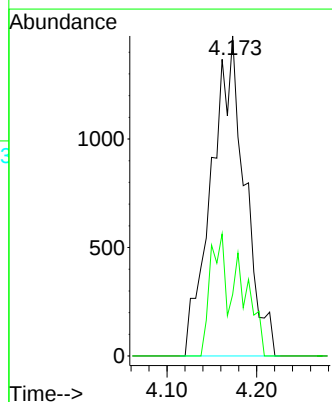
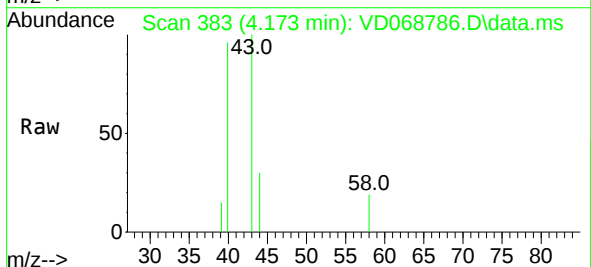


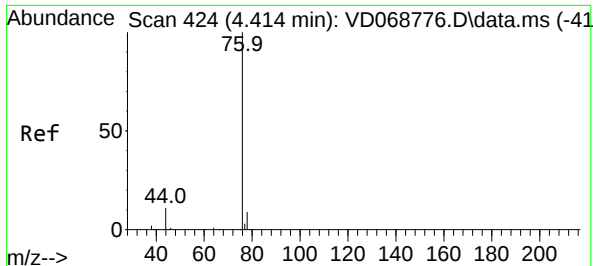
Tgt Ion: 59 Resp: 465
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 9.14 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Tgt Ion: 43 Resp: 3810
Ion Ratio Lower Upper
43 100
58 19.3 28.0 42.0#

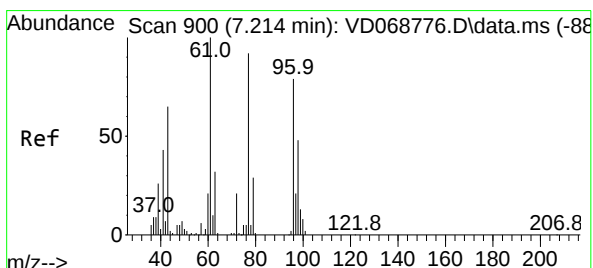
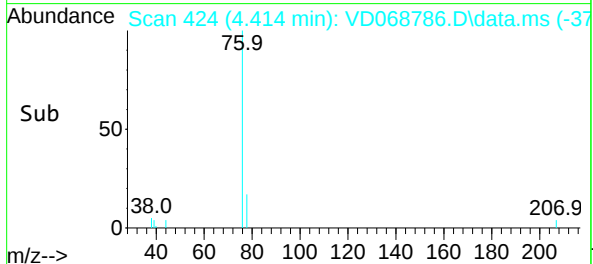
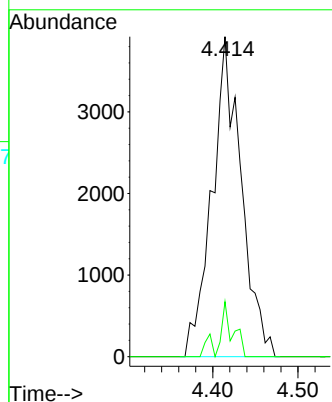
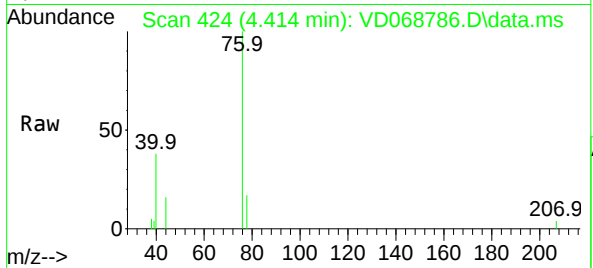




#17
Carbon Disulfide
Concen: 1.01 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.000 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

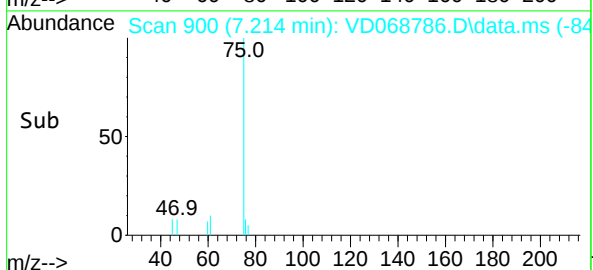
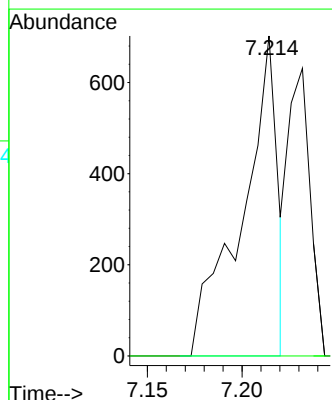
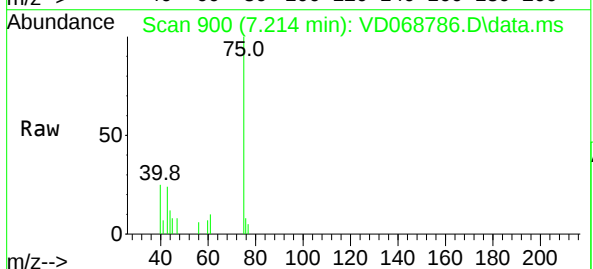
Instrument :
MSVOA_D
ClientSampled :

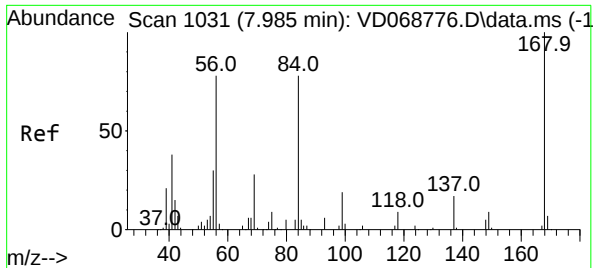
Tgt Ion: 76 Resp: 9339
Ion Ratio Lower Upper
76 100
78 17.2 7.3 10.9#



#25
2-Butanone
Concen: 1.56 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Tgt Ion: 43 Resp: 919
Ion Ratio Lower Upper
43 100
72 0.0 28.6 43.0#

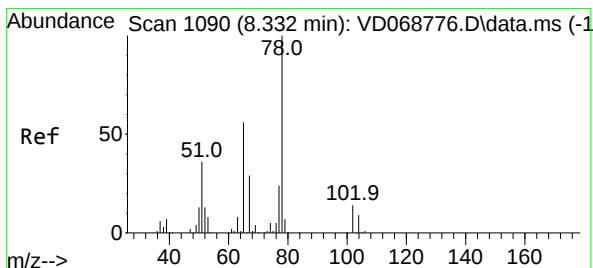
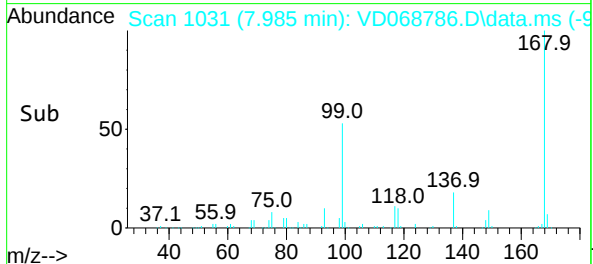
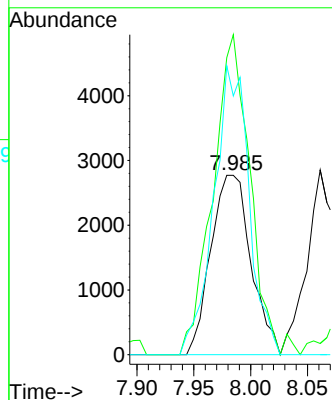
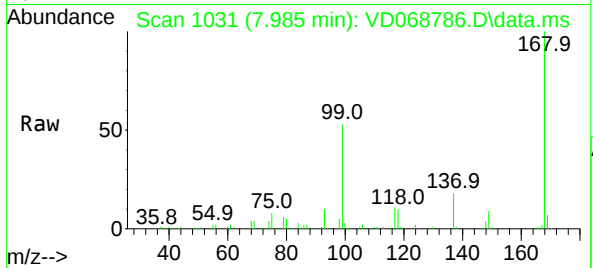




#31
Cyclohexane
Concen: 1.36 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

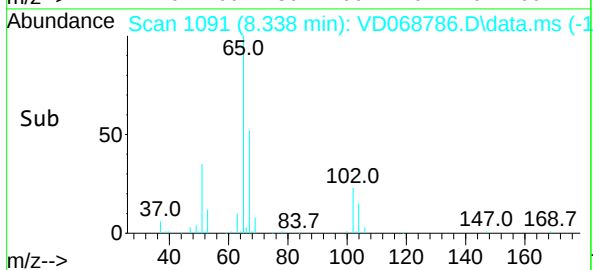
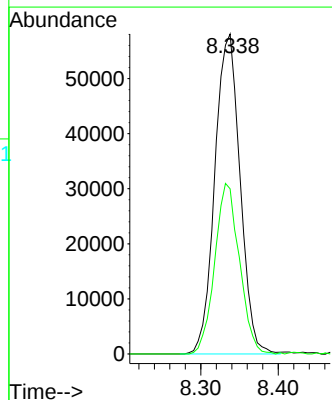
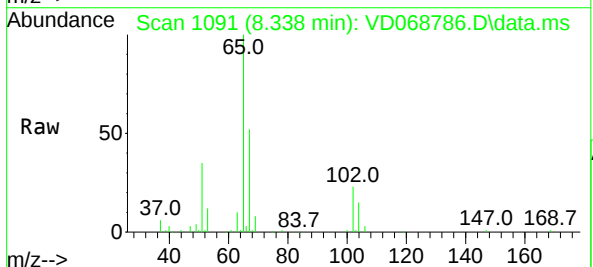
Instrument :
MSVOA_D
ClientSampled :

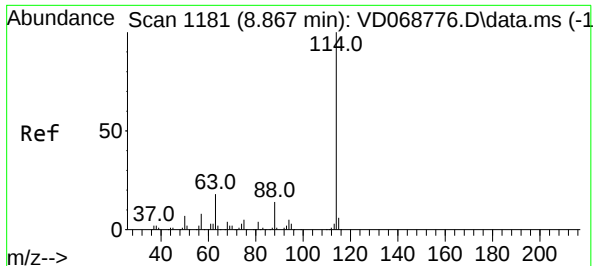
Tgt Ion: 56 Resp: 6797
Ion Ratio Lower Upper
56 100
69 178.4 30.0 45.0#
84 151.9 82.0 123.0#



#33
1,2-Dichloroethane-d4
Concen: 43.69 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Tgt Ion: 65 Resp: 131456
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD068786.D

Acq: 08 Apr 2021 13:48

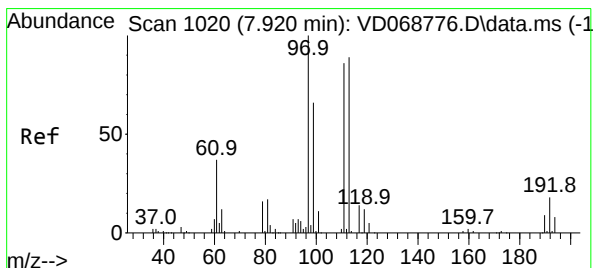
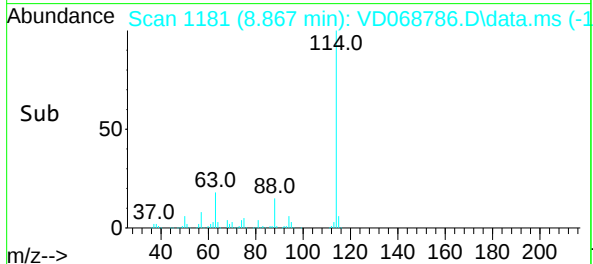
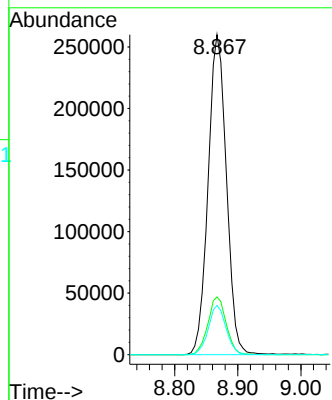
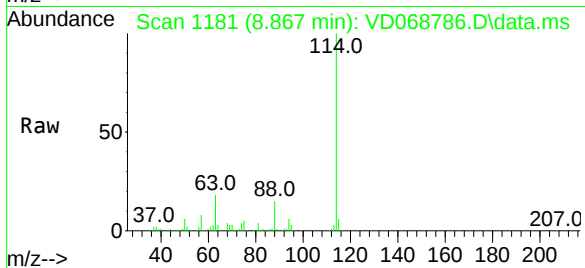
Tgt Ion:114 Resp: 523319

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.2

88 15.4 0.0 29.4



#35

Dibromofluoromethane

Concen: 44.96 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068786.D

Acq: 08 Apr 2021 13:48

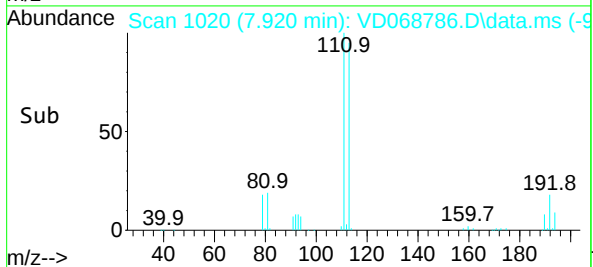
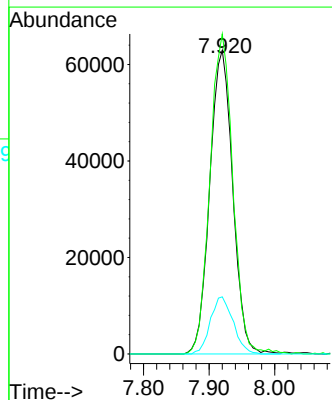
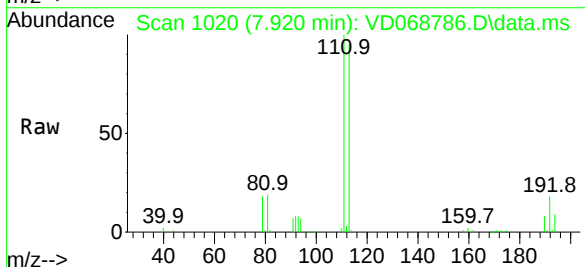
Tgt Ion:113 Resp: 153028

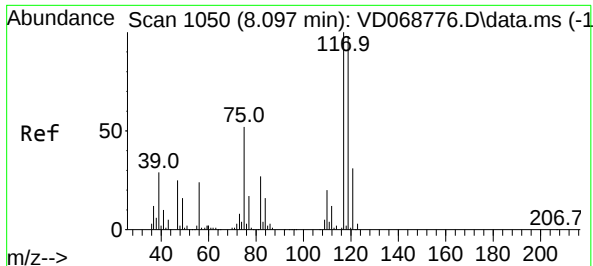
Ion Ratio Lower Upper

113 100

111 104.5 82.5 123.7

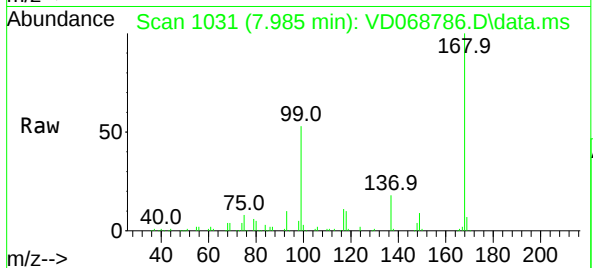
192 18.6 15.1 22.7



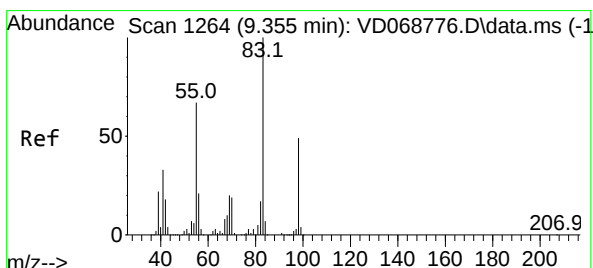
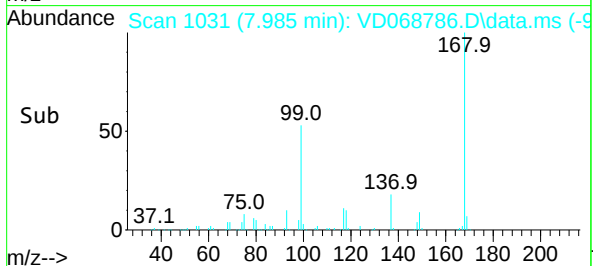
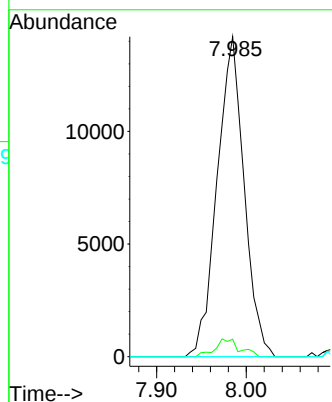


#38
Carbon Tetrachloride
Concen: 5.66 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Instrument :
MSVOA_D
ClientSampled :

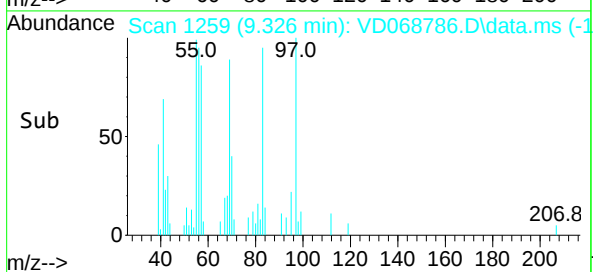
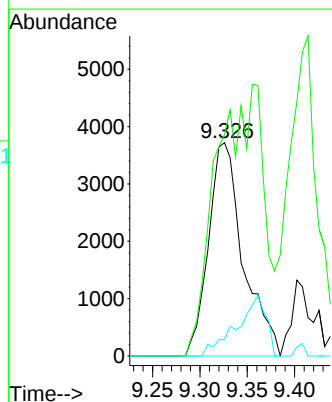
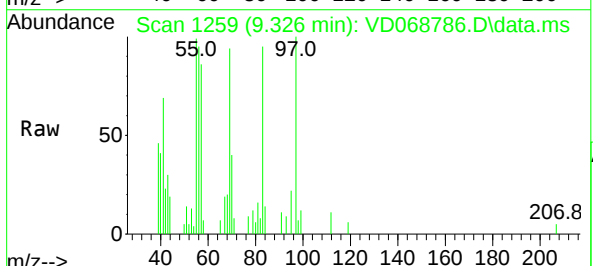


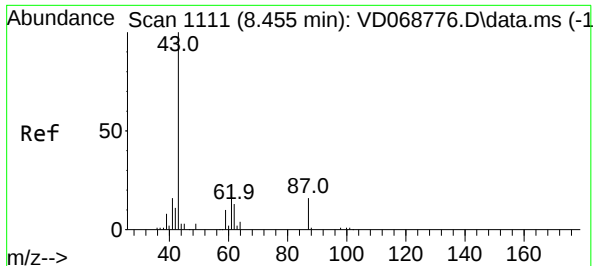
Tgt Ion:117 Resp: 29667
Ion Ratio Lower Upper
117 100
119 5.4 76.6 115.0#
121 0.0 26.1 39.1#



#39
Methylcyclohexane
Concen: 1.53 ug/l
RT: 9.326 min Scan# 1259
Delta R.T. -0.029 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Tgt Ion: 83 Resp: 9467
Ion Ratio Lower Upper
83 100
55 104.0 51.7 77.5#
98 7.7 38.8 58.2#

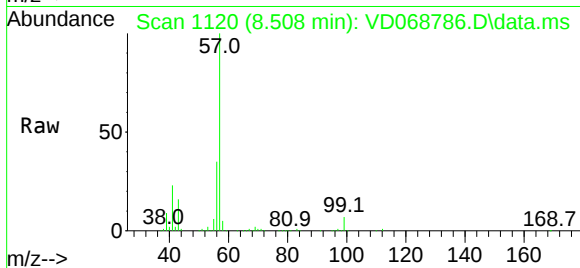




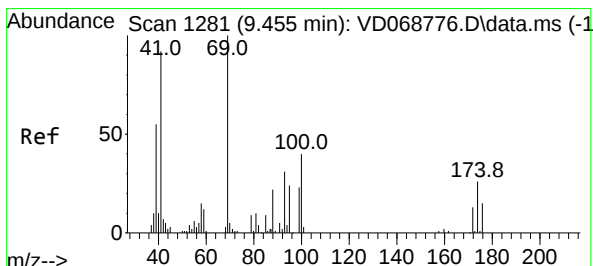
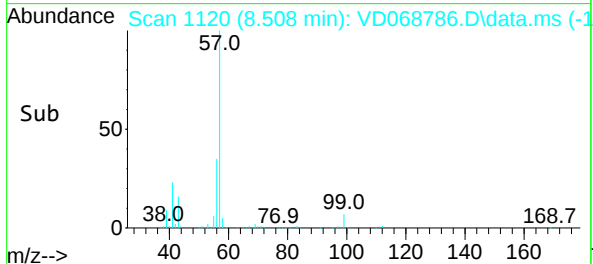
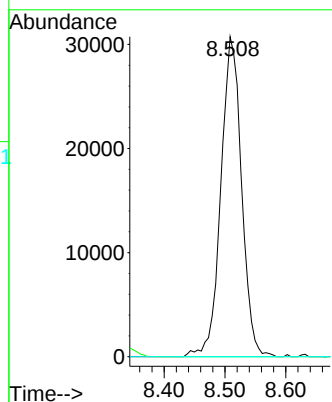
#43

Isopropyl Acetate
 Concen: 22.87 ug/l
 RT: 8.508 min Scan# 1120
 Delta R.T. 0.053 min
 Lab File: VD068786.D
 Acq: 08 Apr 2021 13:48

Instrument :
 MSVOA_D
 ClientSampled :



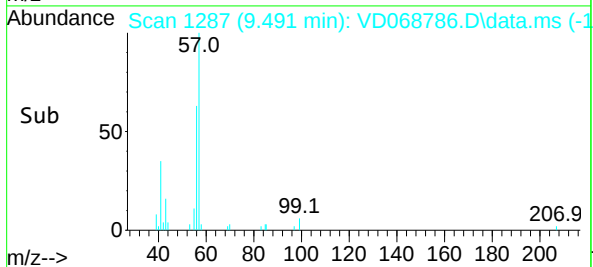
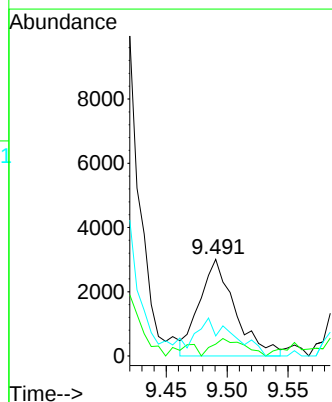
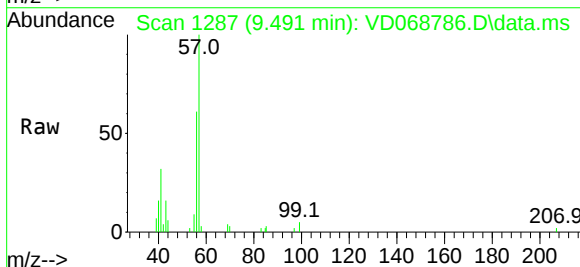
Tgt Ion:	43	Resp:	72541
Ion Ratio	100	Lower	Upper
43	100		
61	0.0	29.5	44.3#
87	0.0	13.5	20.3#

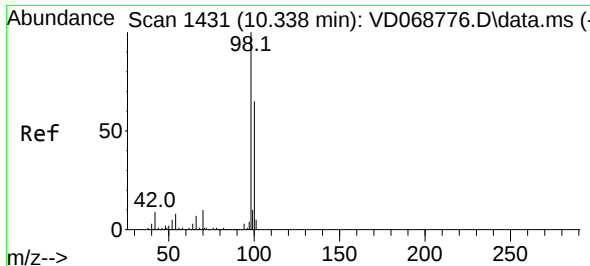


#48

Methyl methacrylate
 Concen: 3.94 ug/l
 RT: 9.491 min Scan# 1287
 Delta R.T. 0.036 min
 Lab File: VD068786.D
 Acq: 08 Apr 2021 13:48

Tgt Ion:	41	Resp:	6151
Ion Ratio	100	Lower	Upper
41	100		
69	15.6	83.0	124.6#
39	38.5	47.0	70.6#

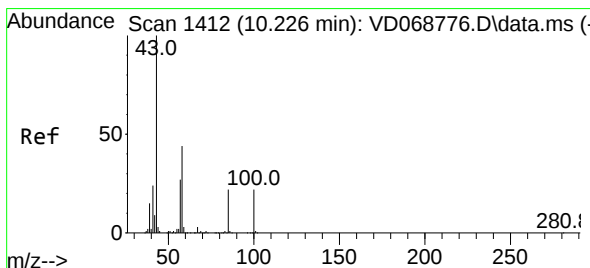
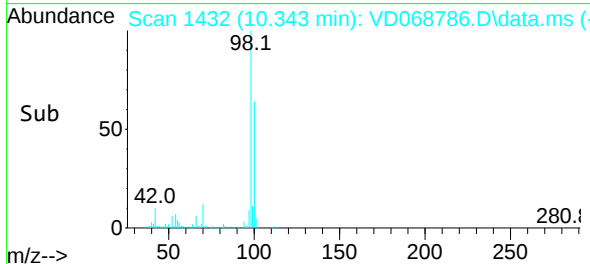
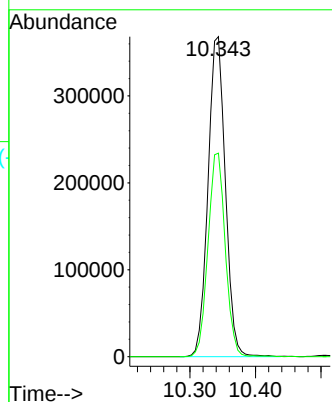
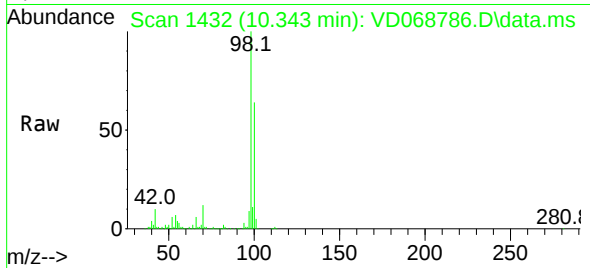




#50
Toluene-d8
Concen: 52.76 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.005 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

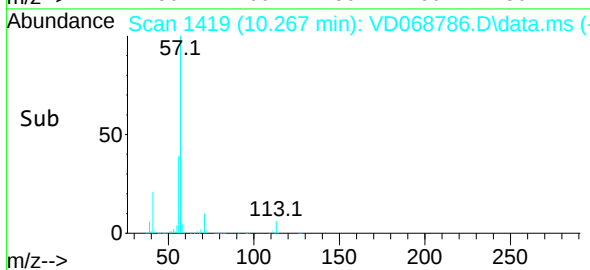
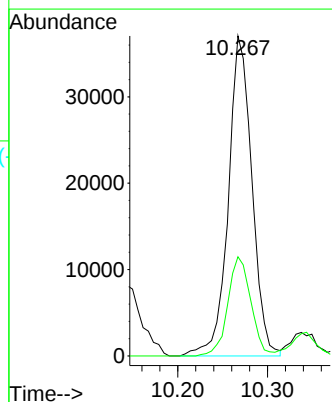
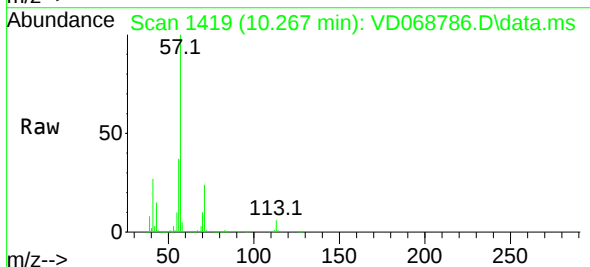
Instrument :
MSVOA_D
ClientSampled :

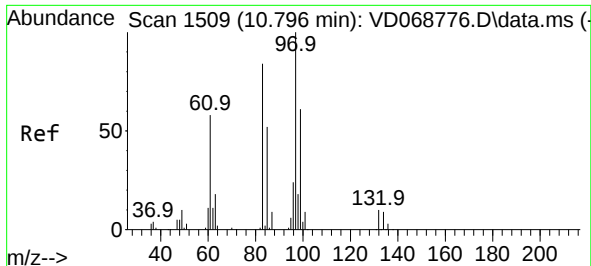
Tgt Ion: 98 Resp: 677483
Ion Ratio Lower Upper
98 100
100 63.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 42.44 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Tgt Ion: 43 Resp: 67840
Ion Ratio Lower Upper
43 100
58 30.3 37.3 55.9#

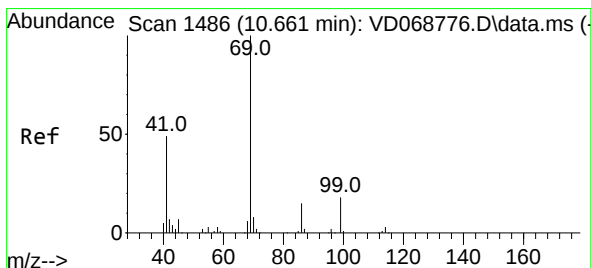
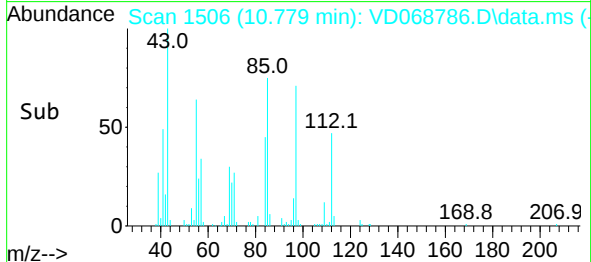
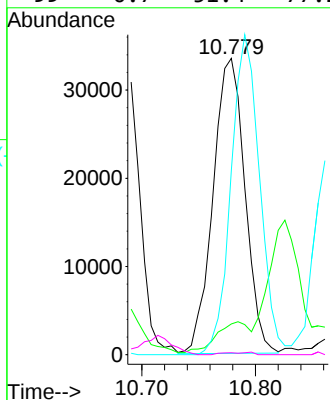
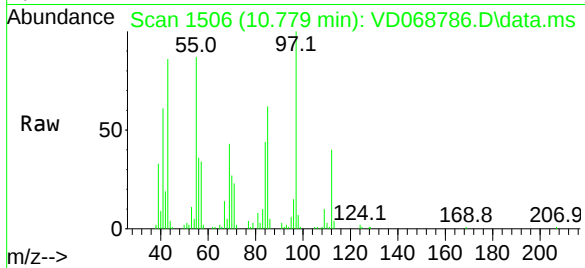




#55
1,1,2-Trichloroethane
Concen: 22.40 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.017 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

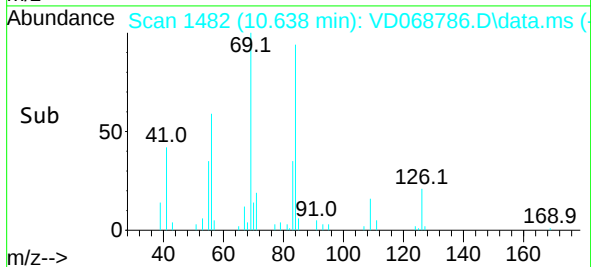
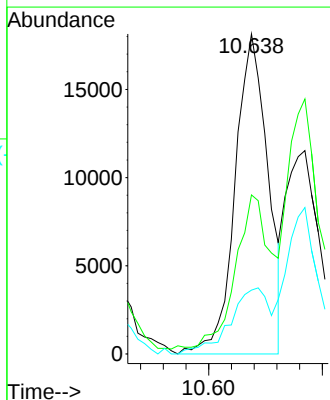
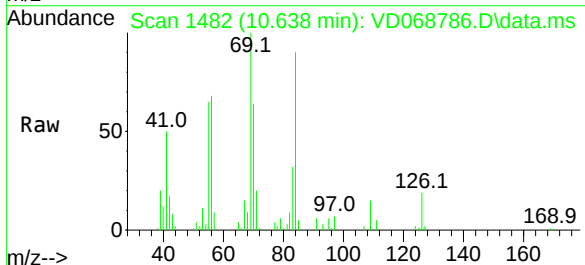
Instrument :
MSVOA_D
ClientSampled :

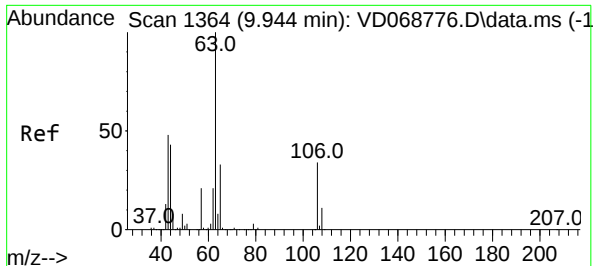
Tgt Ion:	97	Resp:	65316
Ion	Ratio	Lower	Upper
97	100		
83	9.7	65.7	98.5#
85	62.6	44.3	66.5
99	0.7	51.4	77.2#



#56
Ethyl methacrylate
Concen: 12.09 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.023 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Tgt Ion:	69	Resp:	36294
Ion	Ratio	Lower	Upper
69	100		
41	52.5	42.2	63.4
39	24.4	24.2	36.2

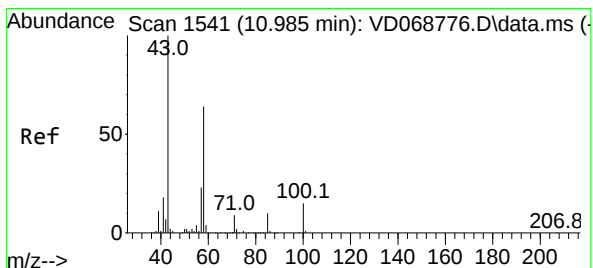
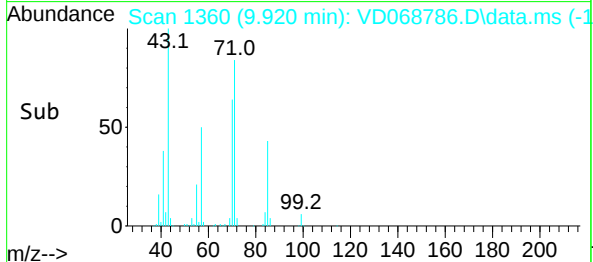
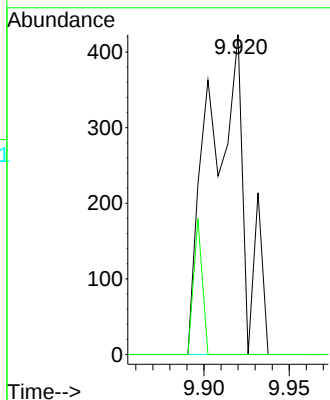
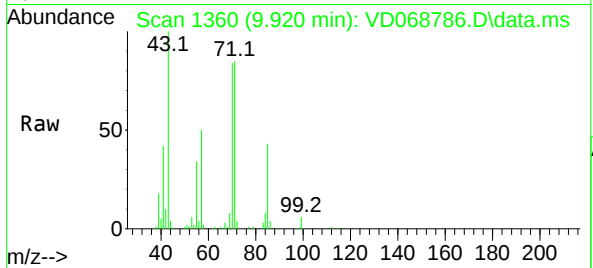




#58
2-Chloroethyl Vinyl ether
Concen: 17.35 ug/l
RT: 9.920 min Scan# 1360
Delta R.T. -0.024 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

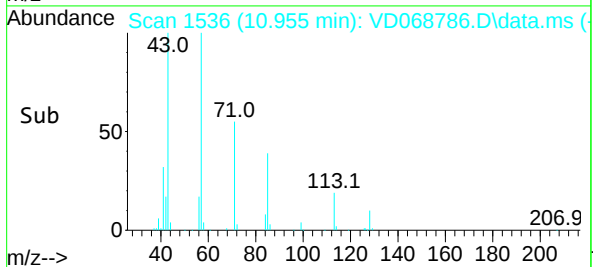
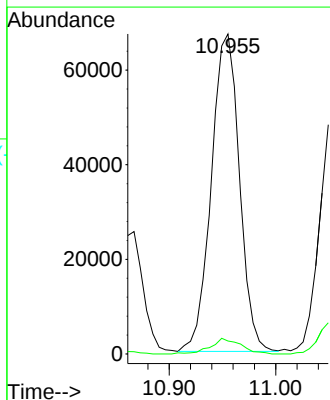
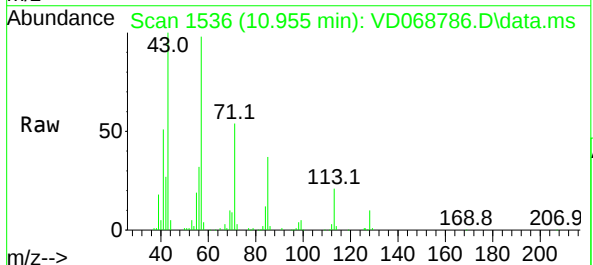
Instrument :
MSVOA_D
ClientSampled :

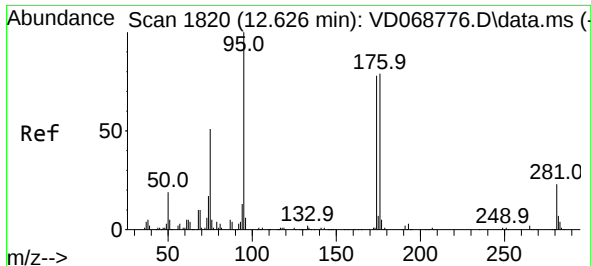
Tgt Ion: 63 Resp: 614
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#59
2-Hexanone
Concen: 115.12 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.030 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Tgt Ion: 43 Resp: 123147
Ion Ratio Lower Upper
43 100
58 5.3 31.3 93.8#

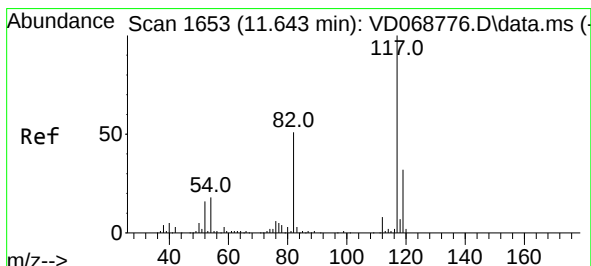
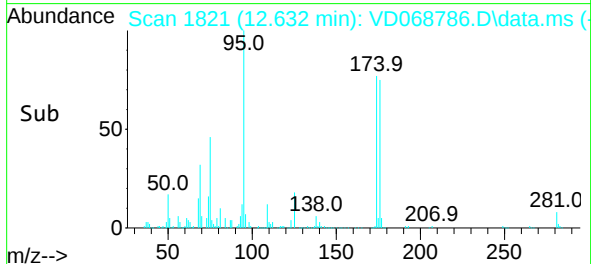
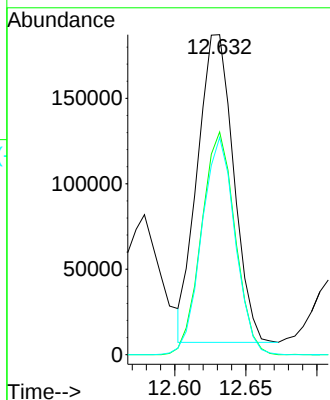
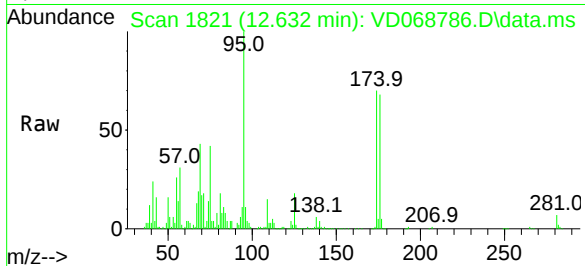




#62
4-Bromofluorobenzene
Concen: 74.69 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

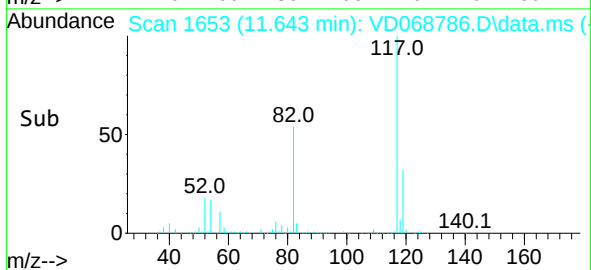
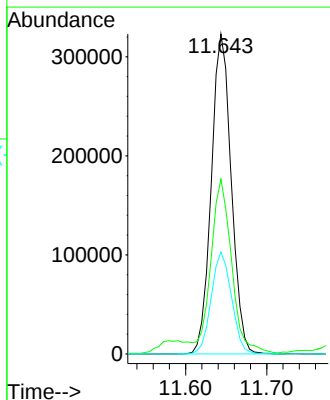
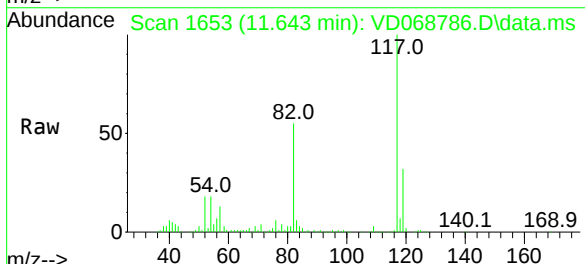
Instrument :
MSVOA_D
ClientSampled :

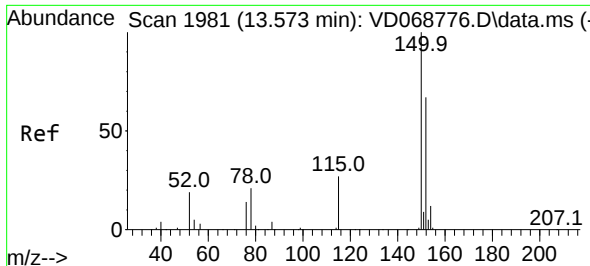
Tgt Ion: 95 Resp: 318539
Ion Ratio Lower Upper
95 100
174 67.5 0.0 168.0
176 65.2 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Tgt Ion:117 Resp: 552179
Ion Ratio Lower Upper
117 100
82 54.3 43.5 65.3
119 31.9 26.7 40.1

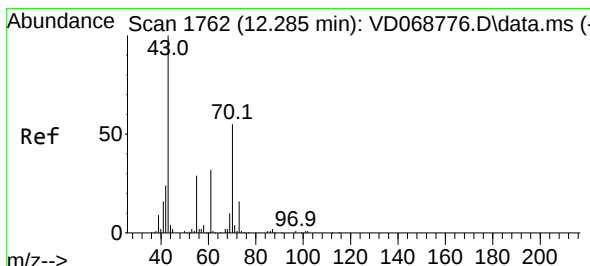
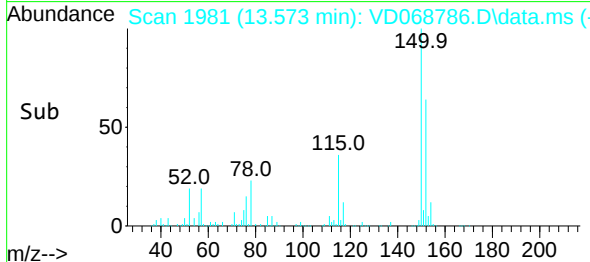
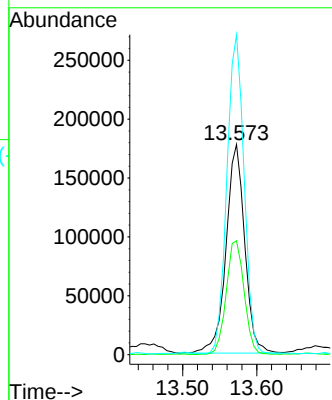
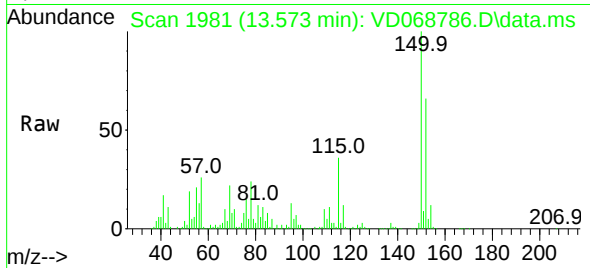




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

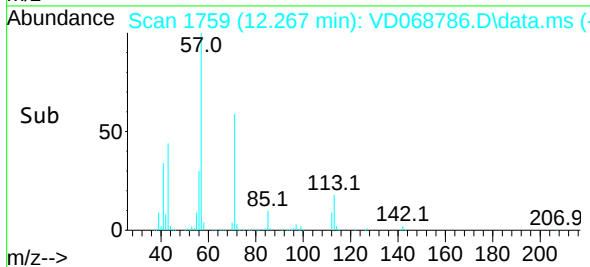
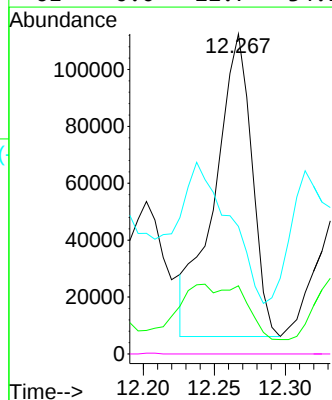
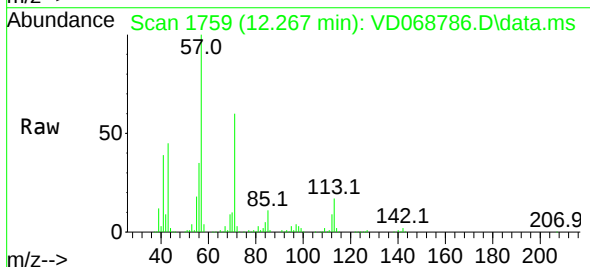
Instrument :
MSVOA_D
ClientSampleId :

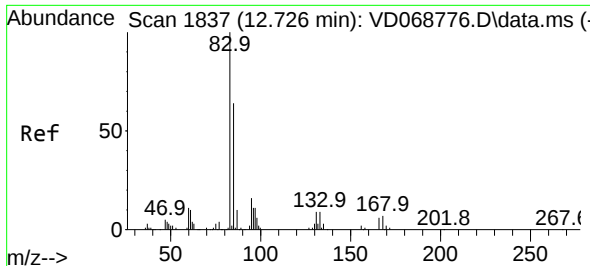
Tgt Ion:152 Resp: 310735
Ion Ratio Lower Upper
152 100
115 52.3 29.3 87.8
150 140.0 0.0 347.6



#74
N-ethyl acetate
Concen: 50.37 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Tgt Ion: 43 Resp: 193800
Ion Ratio Lower Upper
43 100
70 0.0 41.9 62.9#
55 0.0 22.8 34.2#
61 0.0 22.7 34.1#

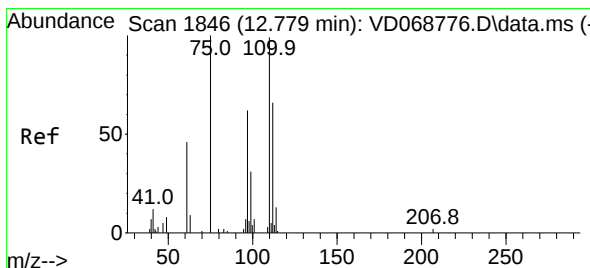
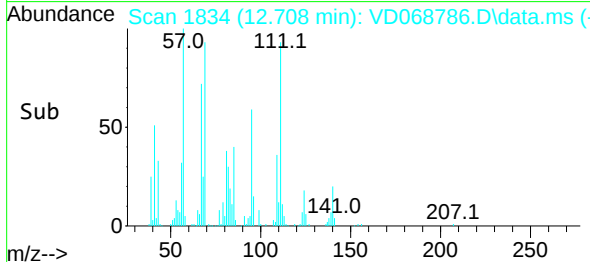
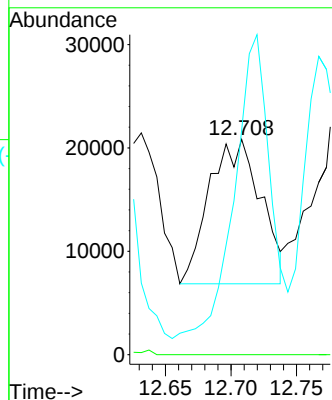
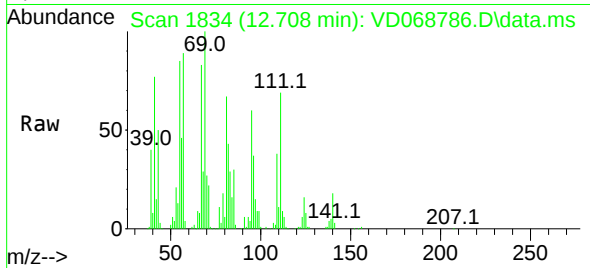




#75
1,1,2,2-Tetrachloroethane
Concen: 8.97 ug/l
RT: 12.708 min Scan# 1834
Delta R.T. -0.018 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

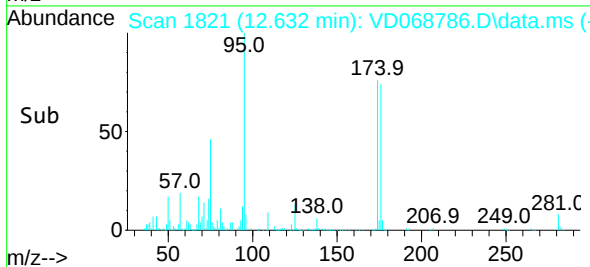
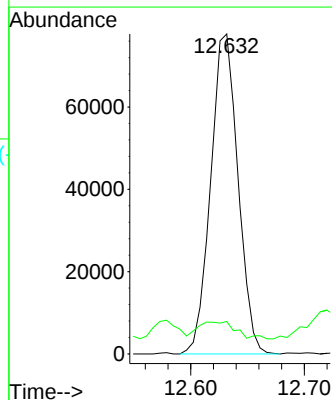
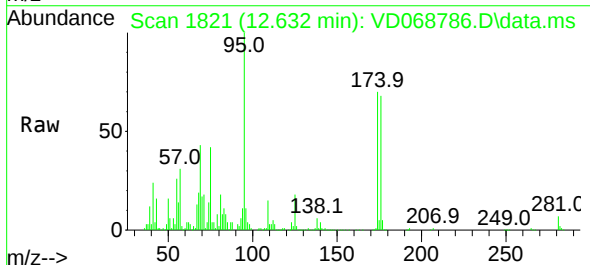
Instrument :
MSVOA_D
ClientSampled :

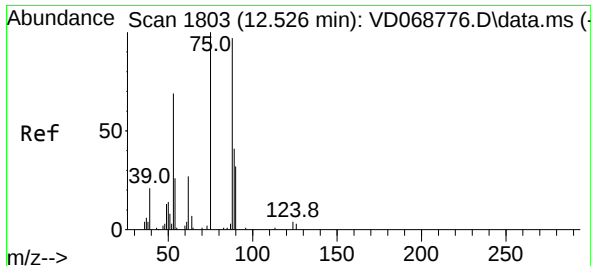
Tgt Ion: 83 Resp: 38020
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 145.5 32.0 96.0#



#76
1,2,3-Trichloropropane
Concen: 45.82 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Tgt Ion: 75 Resp: 130081
Ion Ratio Lower Upper
75 100
77 7.5 0.0 0.0#

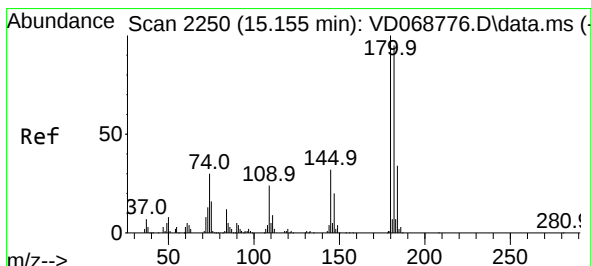
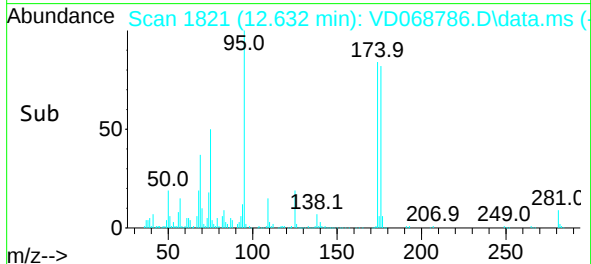
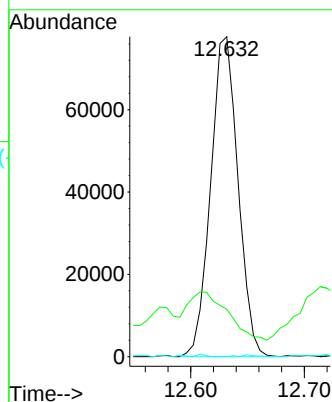
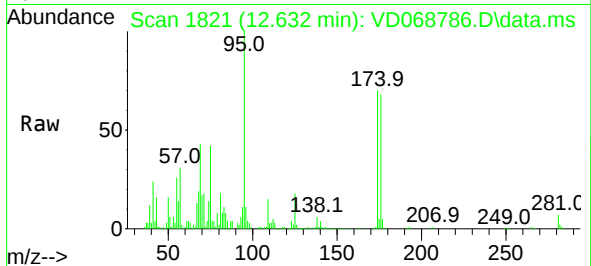




#81
trans-1,4-Dichloro-2-butene
Concen: 106.34 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

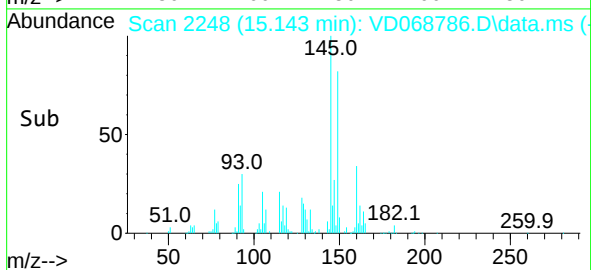
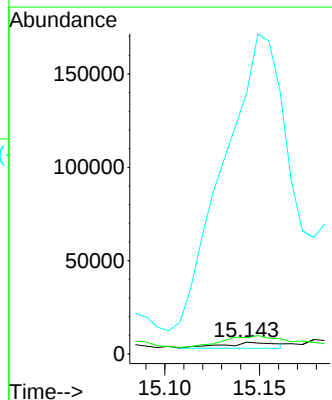
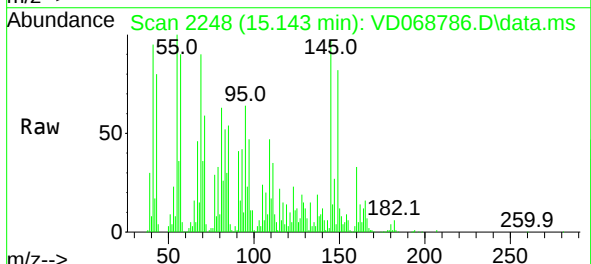
Instrument :
MSVOA_D
ClientSampleId :

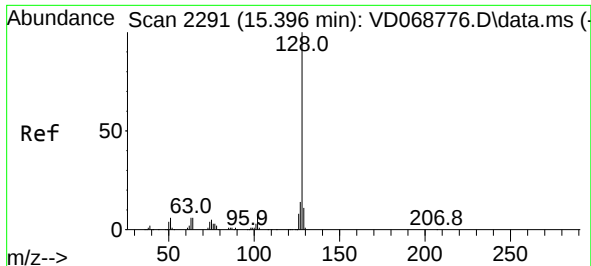
Tgt Ion: 75 Resp: 130081
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.3 36.6 54.8#



#93
1,2,4-Trichlorobenzene
Concen: 1.04 ug/l
RT: 15.143 min Scan# 2248
Delta R.T. -0.012 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Tgt Ion:180 Resp: 6021
Ion Ratio Lower Upper
180 100
182 267.8 47.9 143.8#
145 8479.7 15.2 45.6#

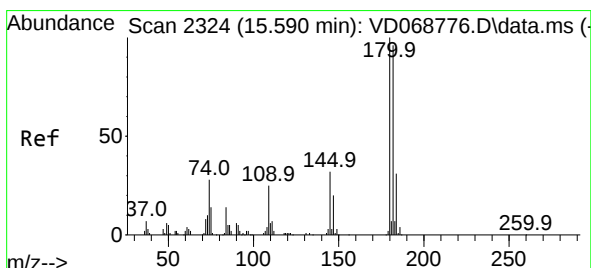
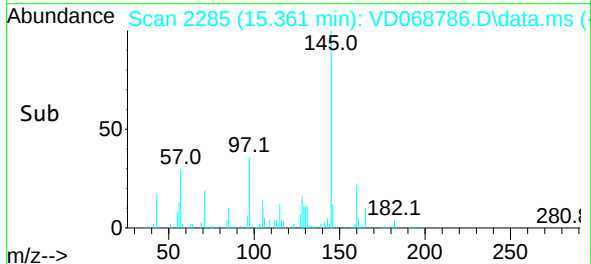
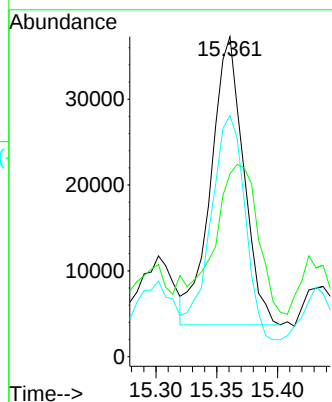
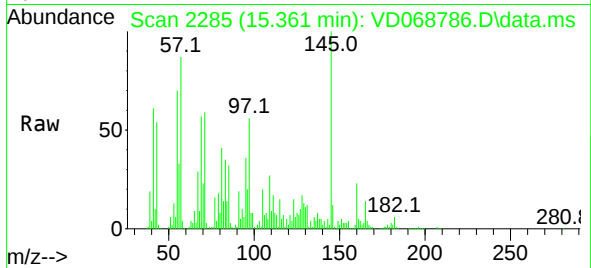




#95
Naphthalene
Concen: 6.22 ug/l
RT: 15.361 min Scan# 2285
Delta R.T. -0.035 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 62667
Ion Ratio Lower Upper
128 100
127 71.5 10.2 15.4#
129 82.2 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 1.37 ug/l
RT: 15.614 min Scan# 2328
Delta R.T. 0.024 min
Lab File: VD068786.D
Acq: 08 Apr 2021 13:48

Tgt Ion:180 Resp: 6955
Ion Ratio Lower Upper
180 100
182 123.1 46.5 139.3
145 0.0 15.8 47.4#

