

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
 Data File : VD068787.D
 Acq On : 08 Apr 2021 14:16
 Operator : VA/SY
 Sample : M1979-14
 Misc : 5.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:02:06 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)

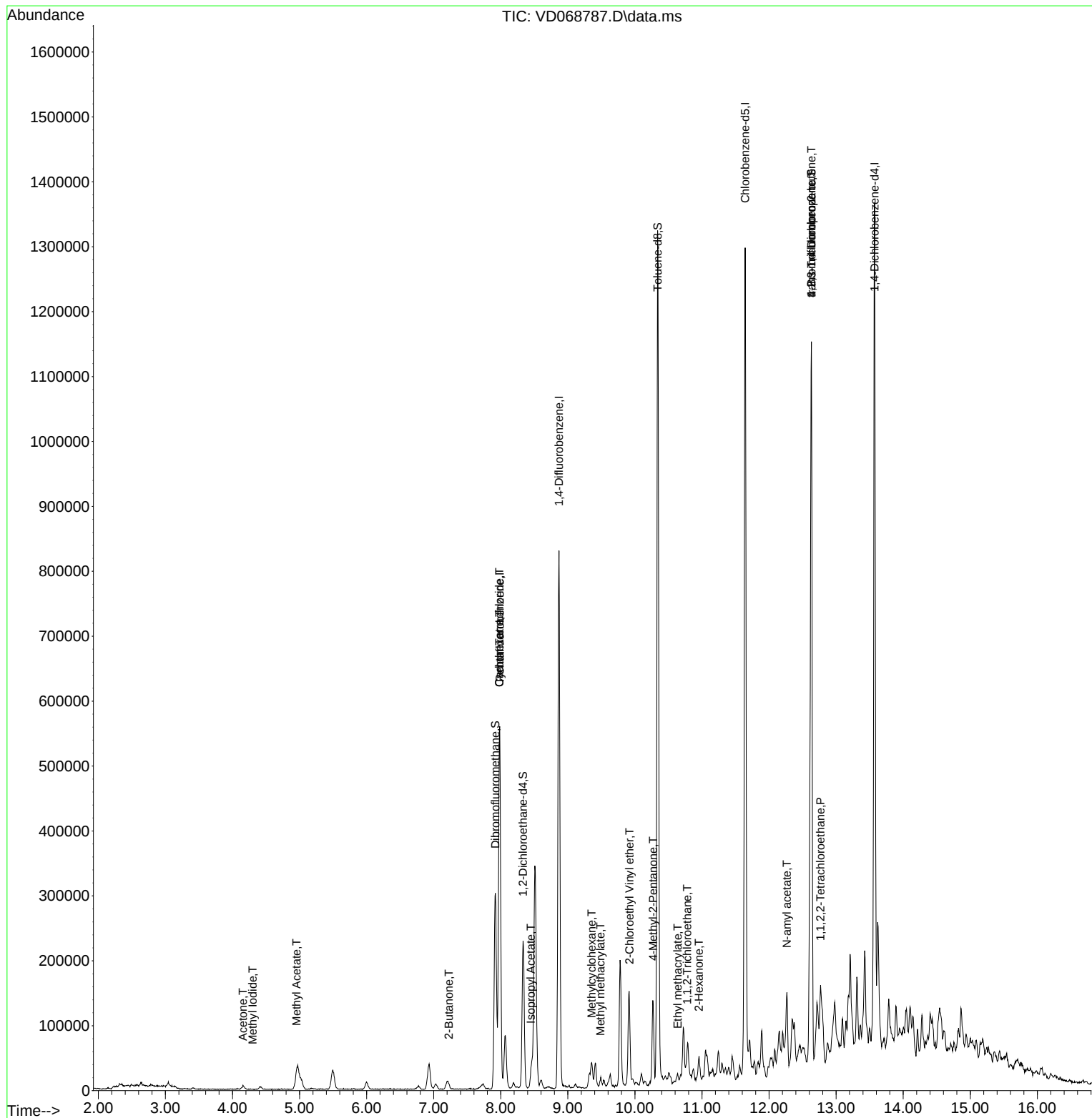
Internal Standards						
1) Pentafluorobenzene	7.985	168	427710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	754631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	760857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	358900	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	183750	40.65	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.30%		
35) Dibromofluoromethane	7.920	113	225511	45.94	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.88%		
50) Toluene-d8	10.338	98	930253	50.24	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.48%		
62) 4-Bromofluorobenzene	12.632	95	346225	56.30	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	112.60%		
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	307	2.30	ug/l #	81
11) Tert butyl alcohol	5.197	59	344	Below Cal	#	73
16) Acetone	4.156	43	7580	12.11	ug/l #	87
18) Methyl Acetate	4.956	43	9284	5.40	ug/l #	43
20) Methylene Chloride	4.973	84	23557	Below Cal		93
25) 2-Butanone	7.226	43	1927	2.18	ug/l #	75
31) Cyclohexane	7.979	56	10043	1.34	ug/l #	13
38) Carbon Tetrachloride	7.979	117	43193	5.71	ug/l #	16
39) Methylcyclohexane	9.355	83	11190	1.26	ug/l	90
43) Isopropyl Acetate	8.450	43	5925	1.30	ug/l #	45
48) Methyl methacrylate	9.485	41	3009	1.34	ug/l #	30
51) 4-Methyl-2-Pentanone	10.273	43	14176	6.15	ug/l #	73
55) 1,1,2-Trichloroethane	10.779	97	7945	1.89	ug/l #	29
56) Ethyl methacrylate	10.638	69	5383	1.24	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.920	63	174	17.06	ug/l #	44
59) 2-Hexanone	10.955	43	12957	8.40	ug/l #	25
74) N-amyl acetate	12.267	43	22126	4.98	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.767	83	16497	3.37	ug/l #	94
76) 1,2,3-Trichloropropane	12.632	75	174323	53.17	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	174323	123.39	ug/l #	16

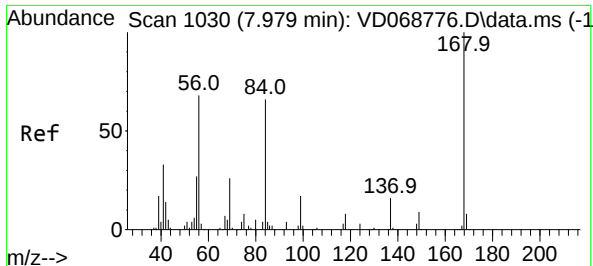
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 09 01:02:06 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

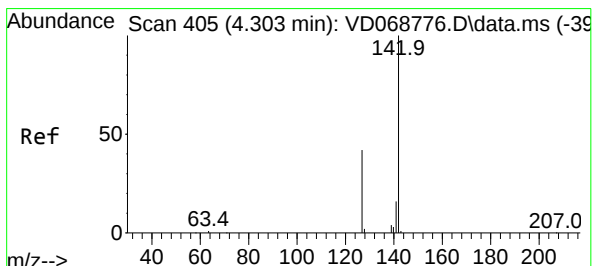
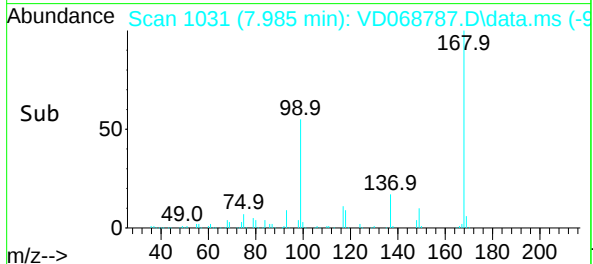
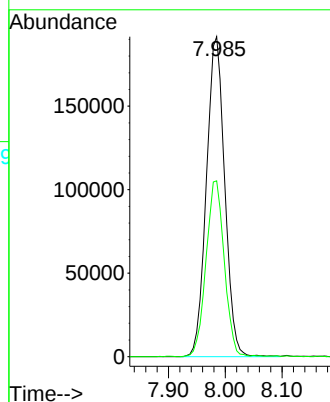
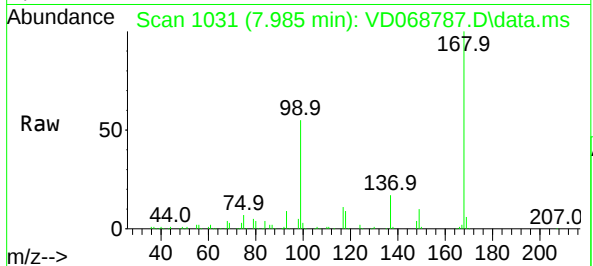




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

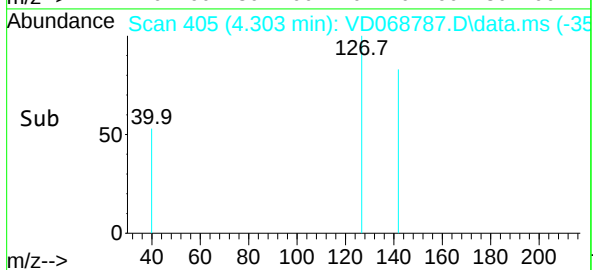
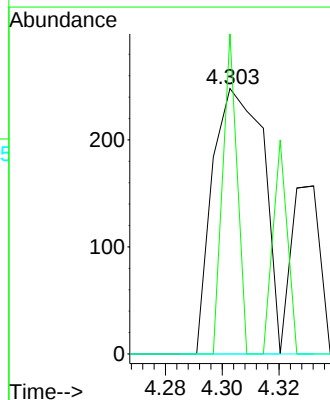
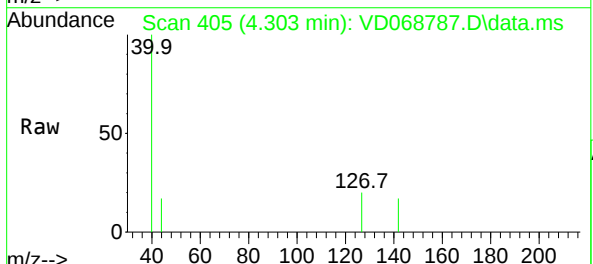
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:168 Resp: 427710
Ion Ratio Lower Upper
168 100
99 55.0 46.2 69.2



#10
Methyl Iodide
Concen: 2.30 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

Tgt Ion:142 Resp: 307
Ion Ratio Lower Upper
142 100
127 34.2 34.7 52.1#
141 0.0 11.0 16.4#



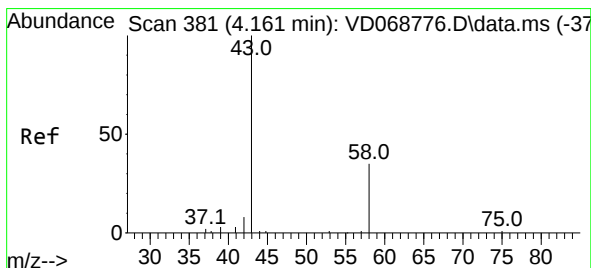
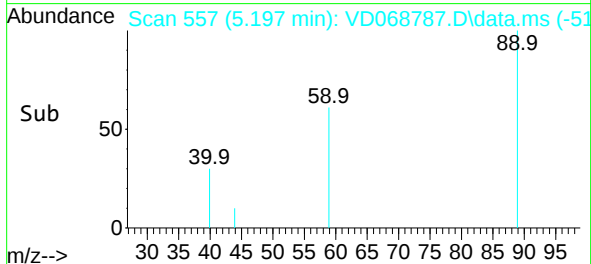
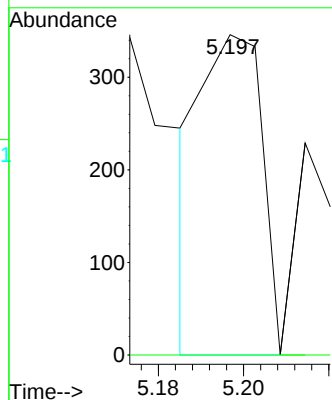
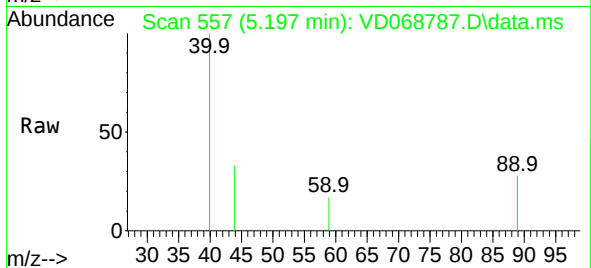


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 557
Delta R.T. -0.023 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

Instrument :
MSVOA_D
ClientSampled :

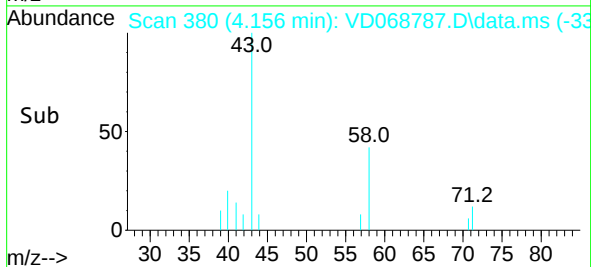
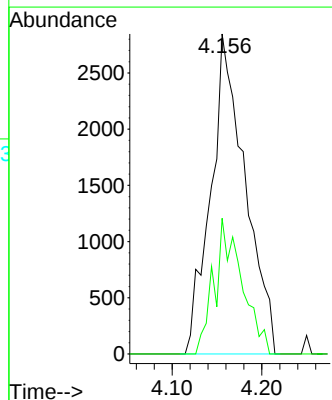
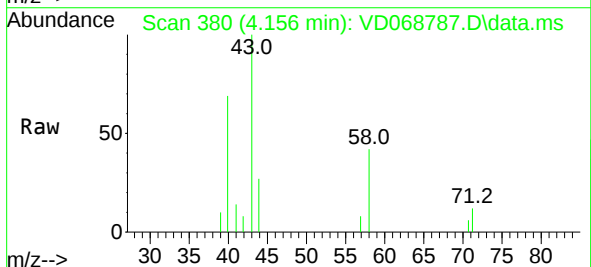
Tgt Ion: 59 Resp: 344
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

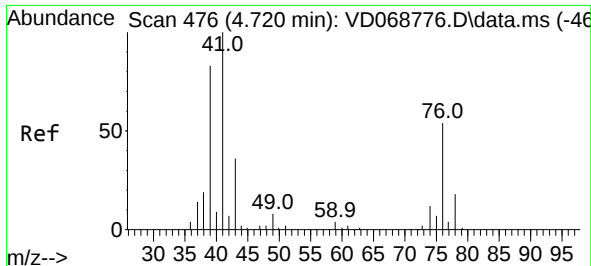


#16

Acetone
Concen: 12.11 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.005 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

Tgt Ion: 43 Resp: 7580
Ion Ratio Lower Upper
43 100
58 42.4 28.0 42.0#





#18

Methyl Acetate

Concen: 5.40 ug/l

RT: 4.956 min Scan# 516

Delta R.T. 0.236 min

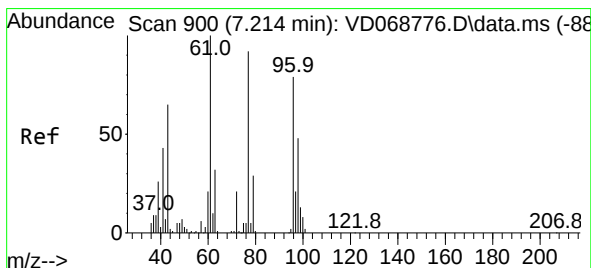
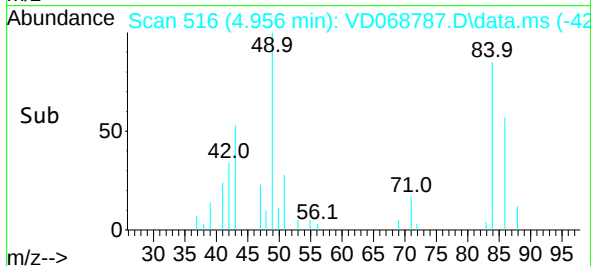
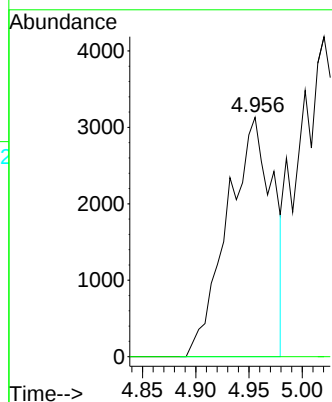
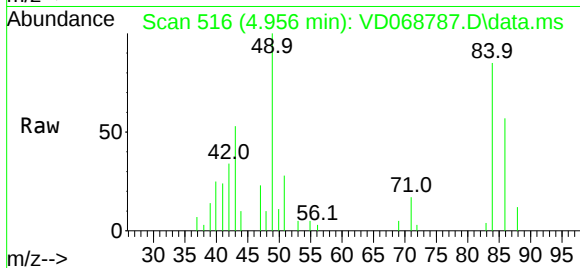
Lab File: VD068787.D

Acq: 08 Apr 2021 14:16

Tgt Ion: 43 Resp: 9284

Ion Ratio Lower Upper

43 100
74 0.0 25.4 38.2#



#25

2-Butanone

Concen: 2.18 ug/l

RT: 7.226 min Scan# 902

Delta R.T. 0.012 min

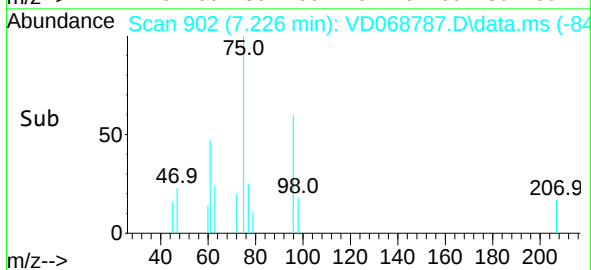
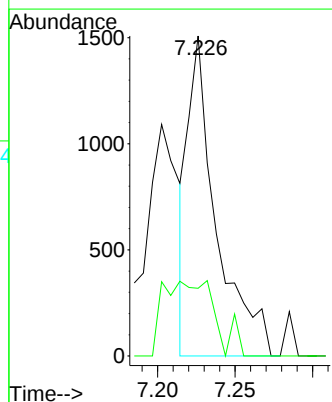
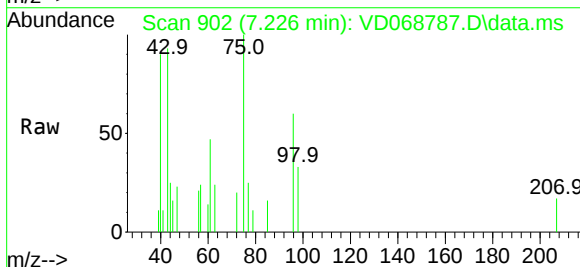
Lab File: VD068787.D

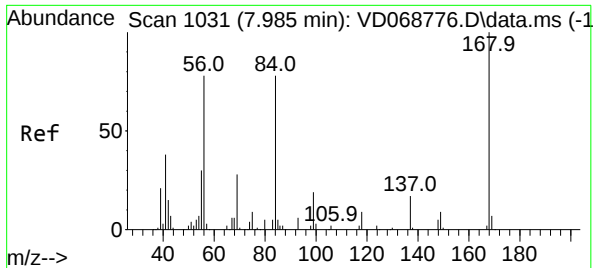
Acq: 08 Apr 2021 14:16

Tgt Ion: 43 Resp: 1927

Ion Ratio Lower Upper

43 100
72 21.2 28.6 43.0#

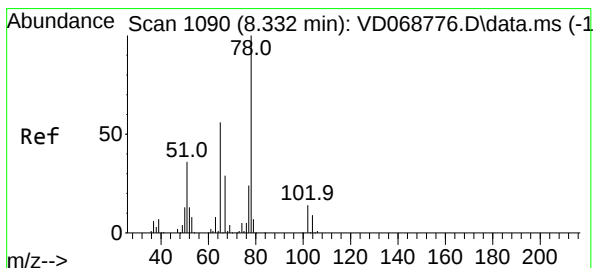
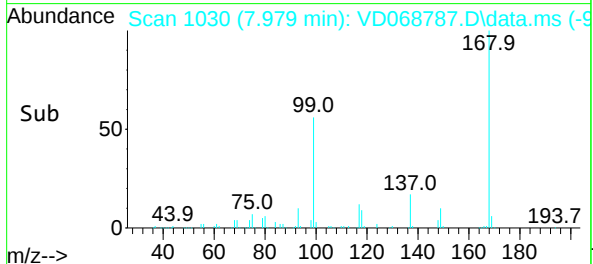
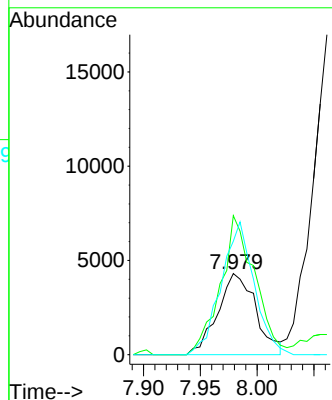
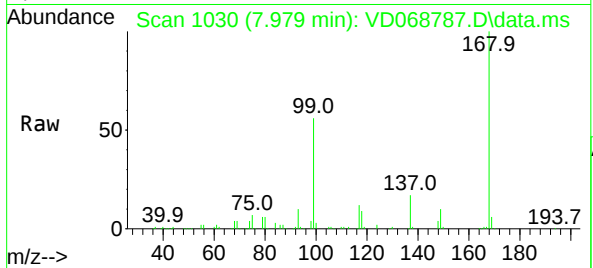




#31
Cyclohexane
Concen: 1.34 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

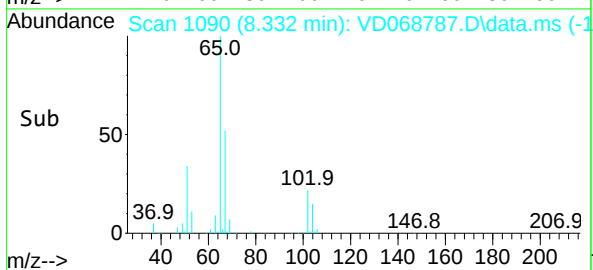
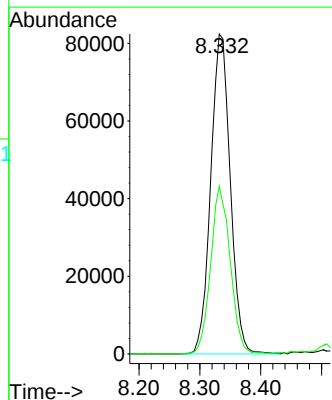
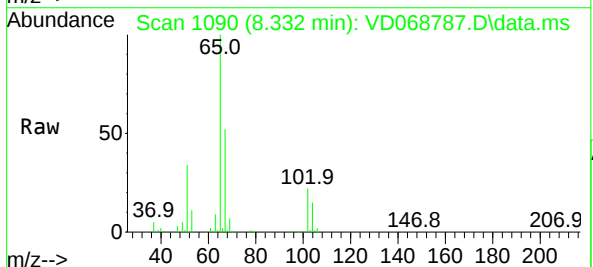
Instrument :
MSVOA_D
ClientSampled :

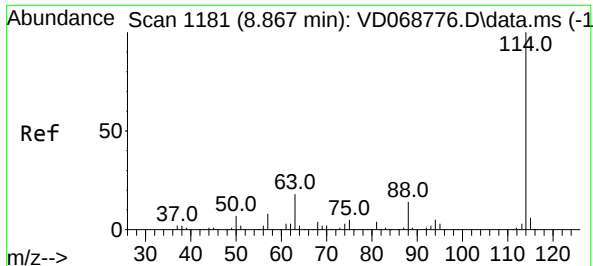
Tgt Ion: 56 Resp: 10043
Ion Ratio Lower Upper
56 100
69 171.6 30.0 45.0#
84 140.0 82.0 123.0#



#33
1,2-Dichloroethane-d4
Concen: 40.65 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

Tgt Ion: 65 Resp: 183750
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.0

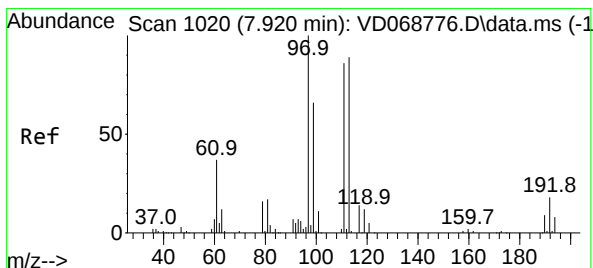
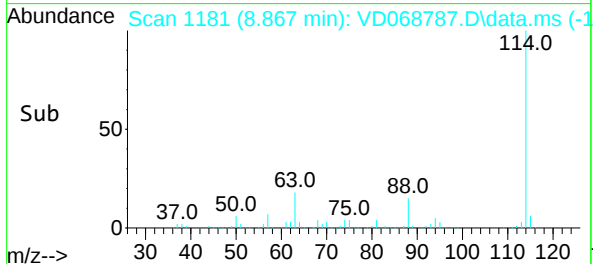
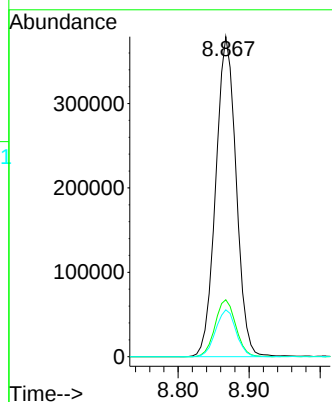
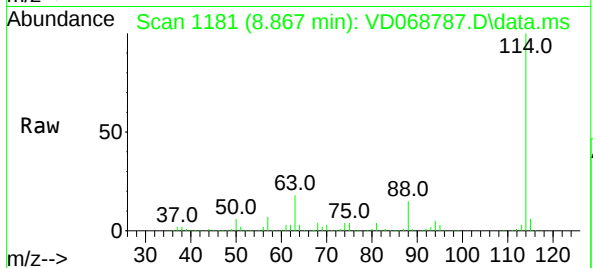




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

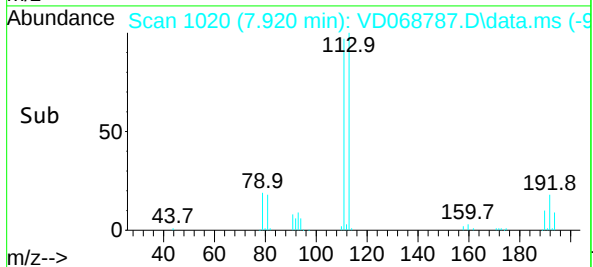
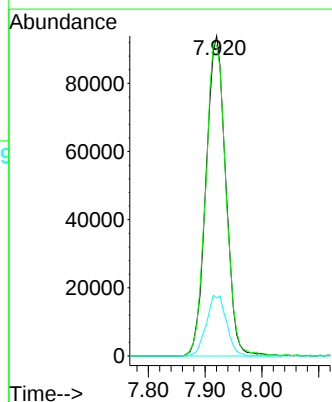
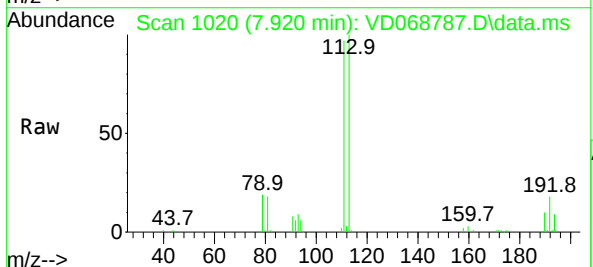
Instrument :
MSVOA_D
ClientSampled :

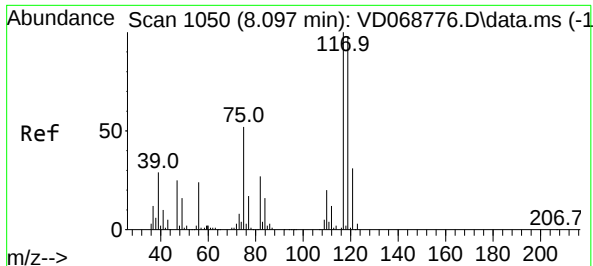
Tgt Ion:114 Resp: 754631
Ion Ratio Lower Upper
114 100
63 17.8 0.0 38.2
88 14.7 0.0 29.4



#35
Dibromofluoromethane
Concen: 45.94 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

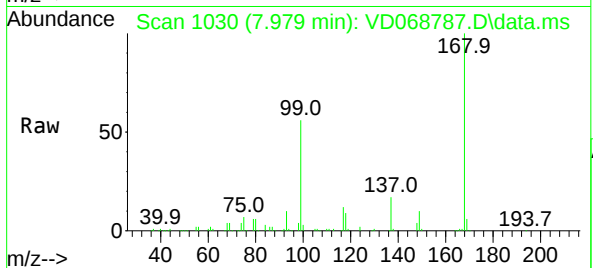
Tgt Ion:113 Resp: 225511
Ion Ratio Lower Upper
113 100
111 100.6 82.5 123.7
192 19.3 15.1 22.7



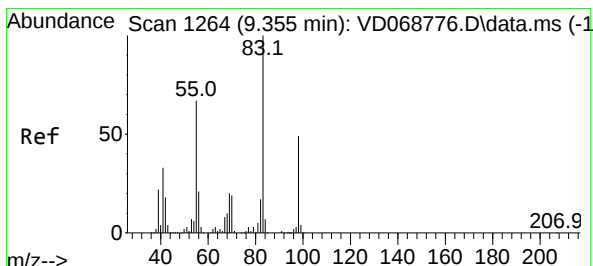
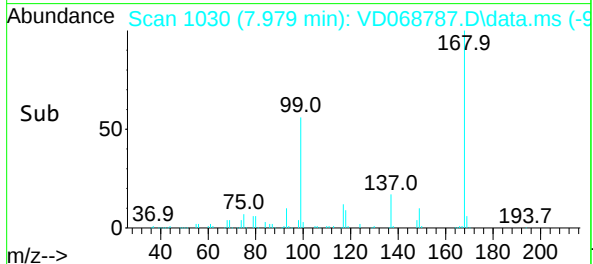
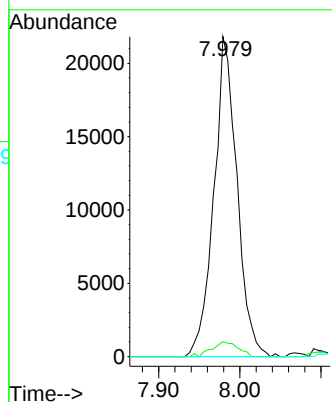


#38
Carbon Tetrachloride
Concen: 5.71 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

Instrument :
MSVOA_D
ClientSampleId :

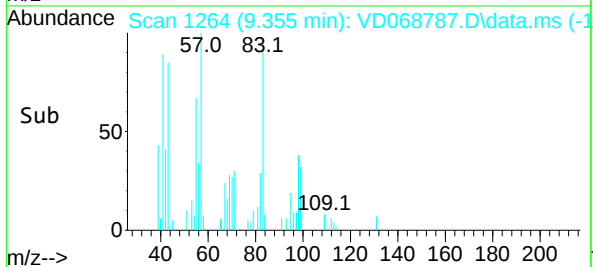
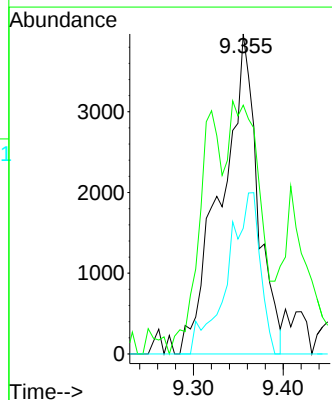
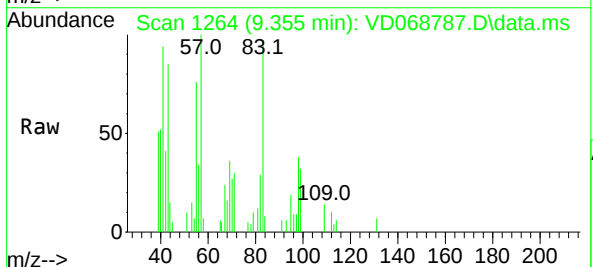


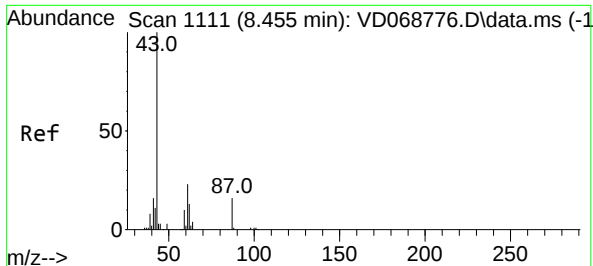
Tgt Ion:117 Resp: 43193
Ion Ratio Lower Upper
117 100
119 4.7 76.6 115.0#
121 0.0 26.1 39.1#



#39
Methylcyclohexane
Concen: 1.26 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

Tgt Ion: 83 Resp: 11190
Ion Ratio Lower Upper
83 100
55 70.2 51.7 77.5
98 39.3 38.8 58.2



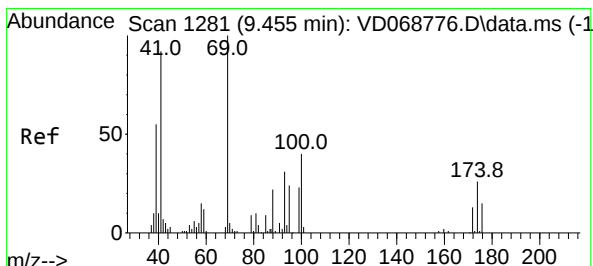
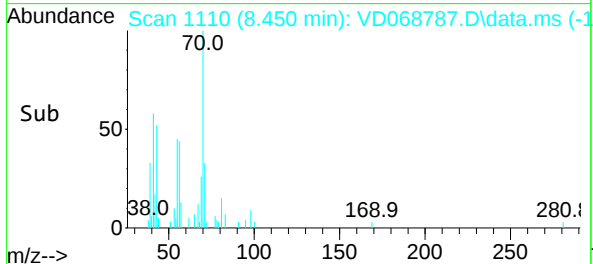
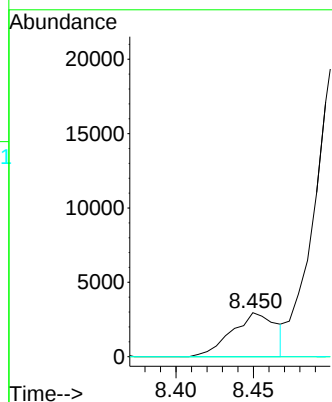
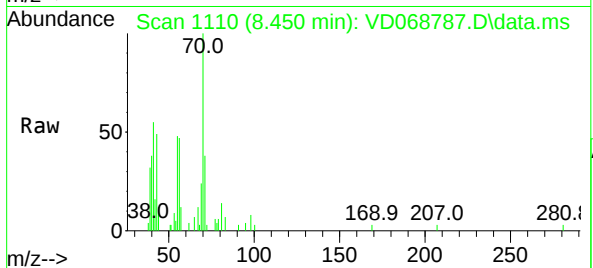


#43

Isopropyl Acetate
Concen: 1.30 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

Instrument :
MSVOA_D
ClientSampleId :

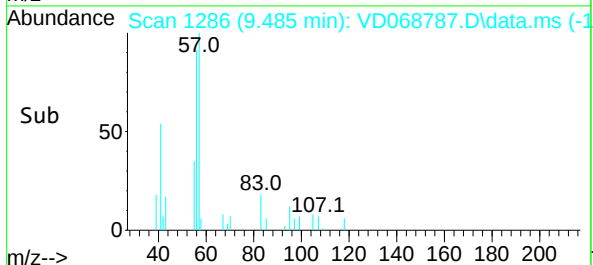
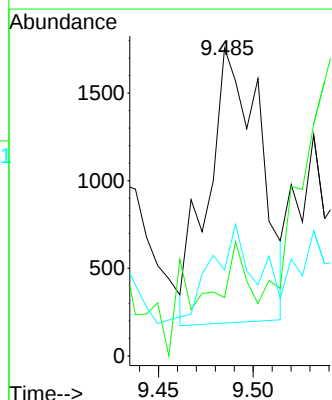
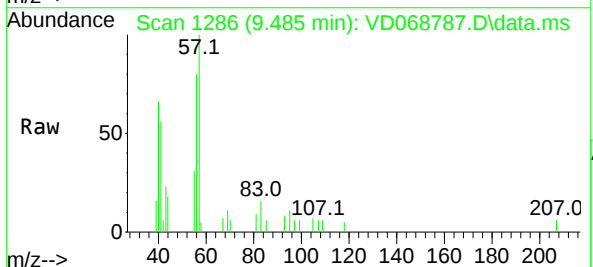
Tgt Ion: 43 Resp: 5925
Ion Ratio Lower Upper
43 100
61 0.0 29.5 44.3#
87 0.0 13.5 20.3#

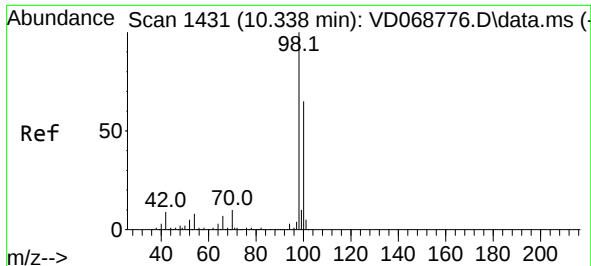


#48

Methyl methacrylate
Concen: 1.34 ug/l
RT: 9.485 min Scan# 1286
Delta R.T. 0.030 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

Tgt Ion: 41 Resp: 3009
Ion Ratio Lower Upper
41 100
69 10.7 83.0 124.6#
39 34.8 47.0 70.6#

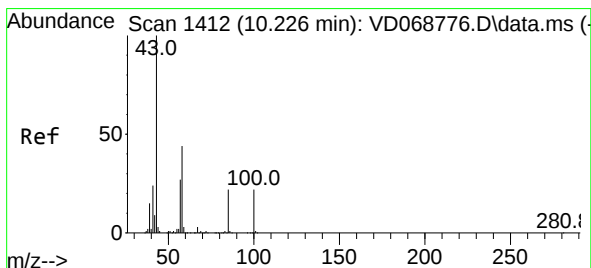
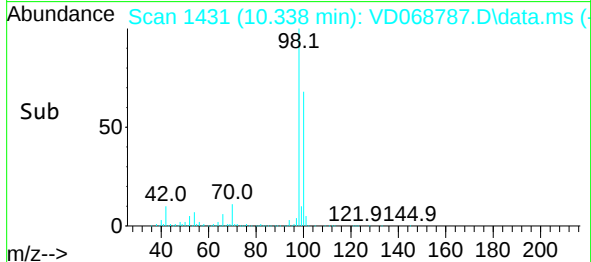
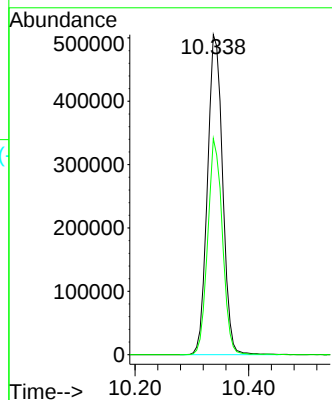
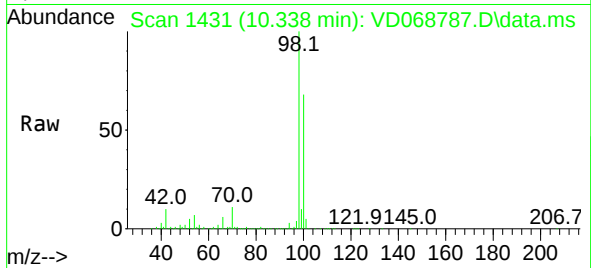




#50
Toluene-d8
Concen: 50.24 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

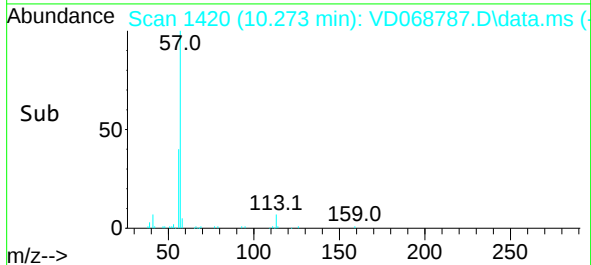
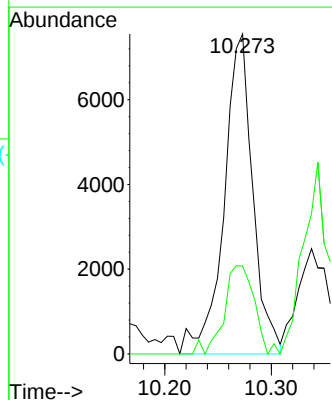
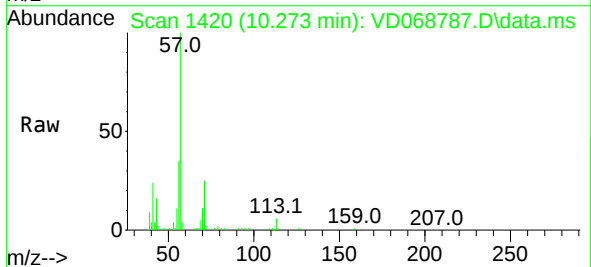
Instrument :
MSVOA_D
ClientSampleId :

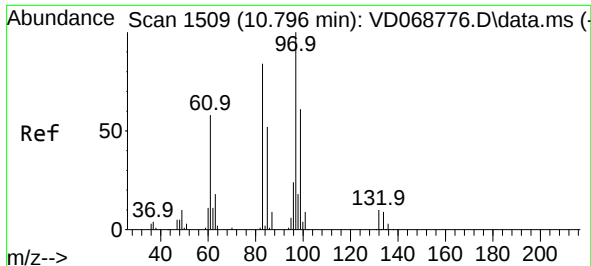
Tgt Ion: 98 Resp: 930253
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 6.15 ug/l
RT: 10.273 min Scan# 1420
Delta R.T. 0.047 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

Tgt Ion: 43 Resp: 14176
Ion Ratio Lower Upper
43 100
58 29.0 37.3 55.9#

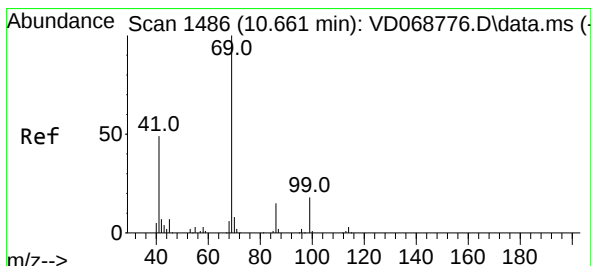
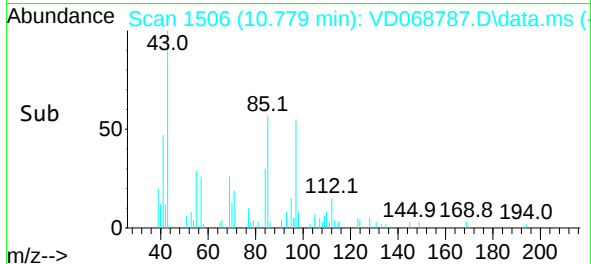
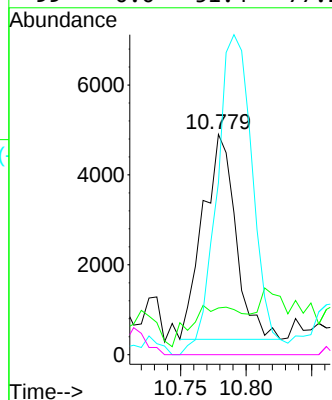
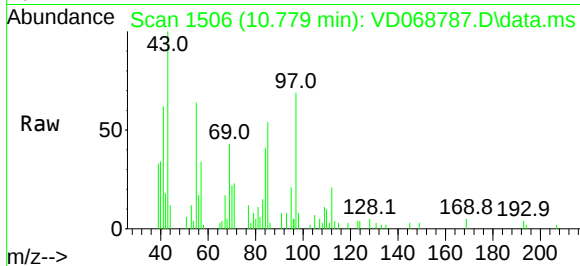




#55
1,1,2-Trichloroethane
Concen: 1.89 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.017 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

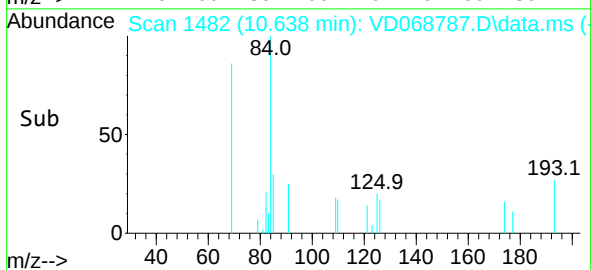
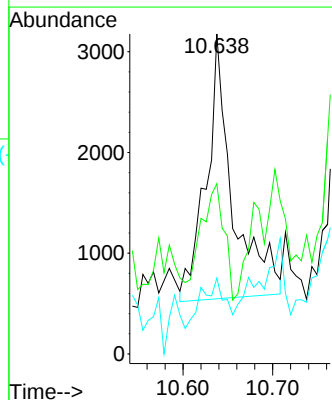
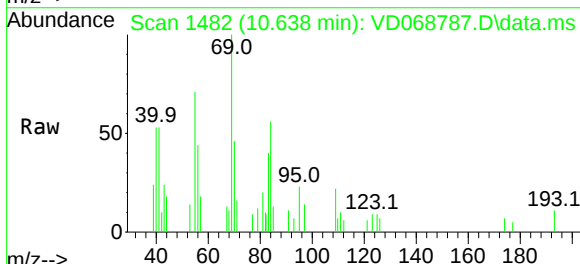
Instrument :
MSVOA_D
ClientSampleId :

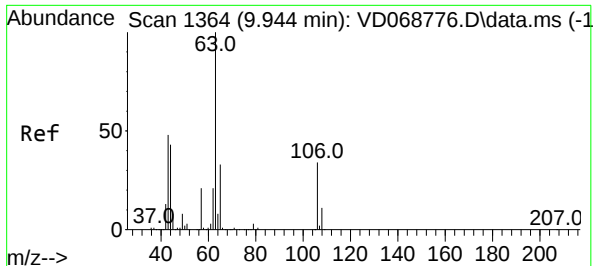
Tgt Ion:	97	Resp:	7945
Ion	Ratio	Lower	Upper
97	100		
83	7.1	65.7	98.5#
85	83.9	44.3	66.5#
99	0.0	51.4	77.2#



#56
Ethyl methacrylate
Concen: 1.24 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.023 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

Tgt Ion:	69	Resp:	5383
Ion	Ratio	Lower	Upper
69	100		
41	38.4	42.2	63.4#
39	26.2	24.2	36.2

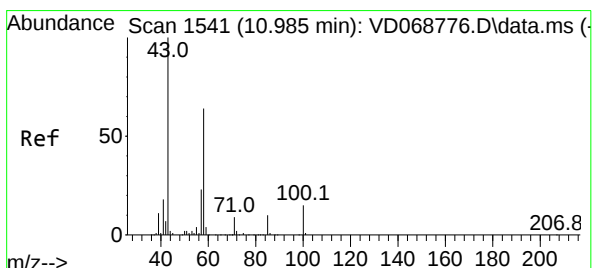
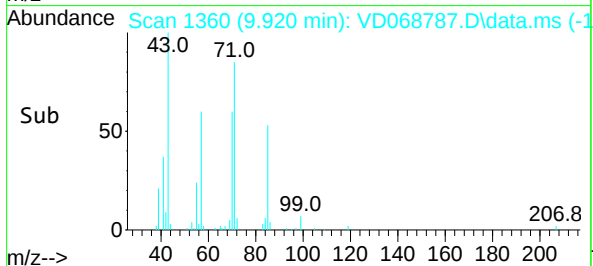
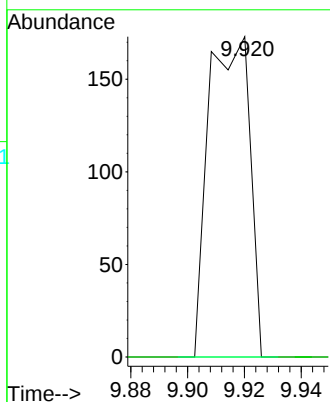
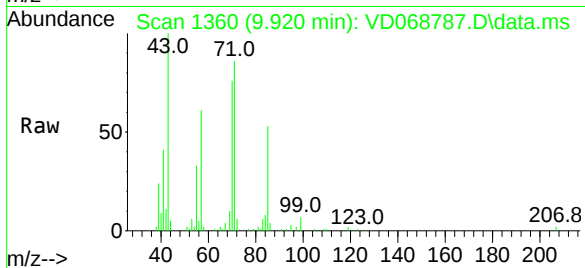




#58
2-Chloroethyl Vinyl ether
Concen: 17.06 ug/l
RT: 9.920 min Scan# 1360
Delta R.T. -0.024 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

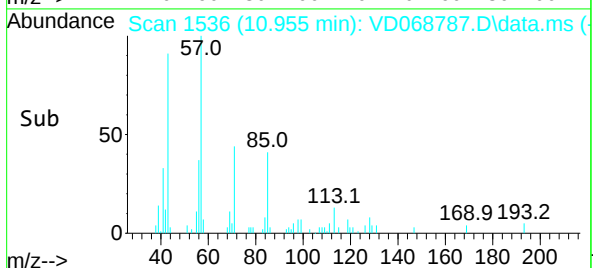
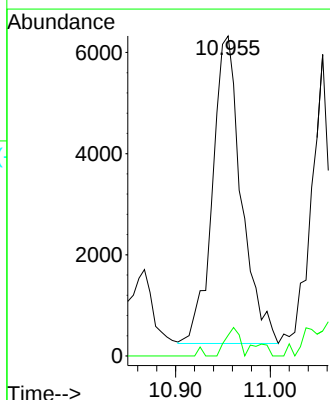
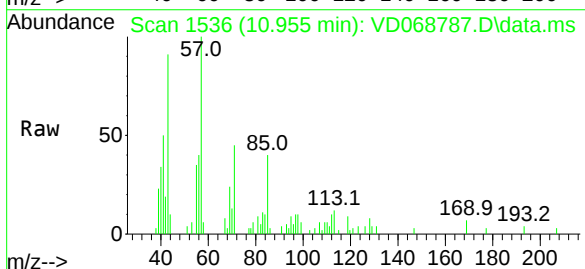
Instrument :
MSVOA_D
ClientSampled :

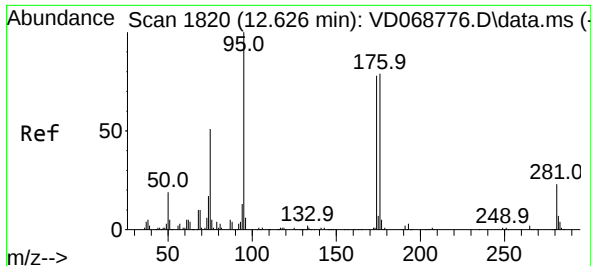
Tgt Ion: 63 Resp: 174
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#59
2-Hexanone
Concen: 8.40 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.030 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

Tgt Ion: 43 Resp: 12957
Ion Ratio Lower Upper
43 100
58 4.4 31.3 93.8#

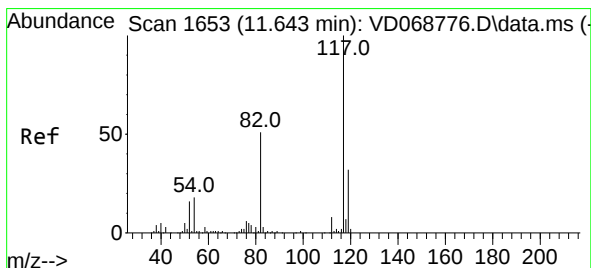
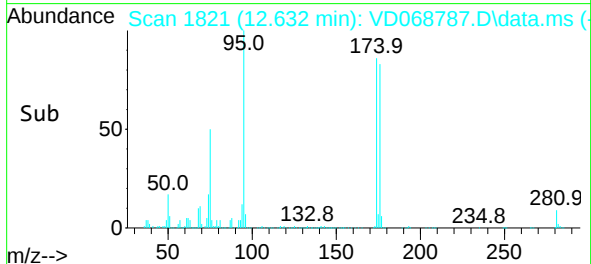
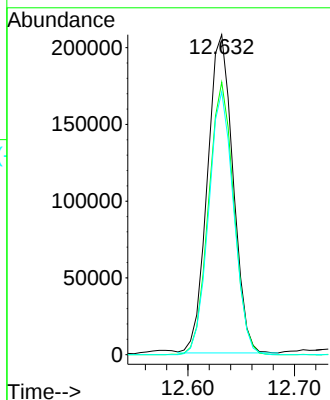
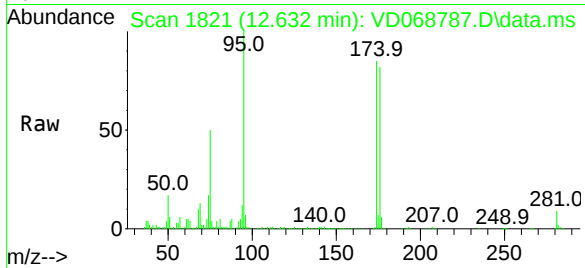




#62
4-Bromofluorobenzene
Concen: 56.30 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

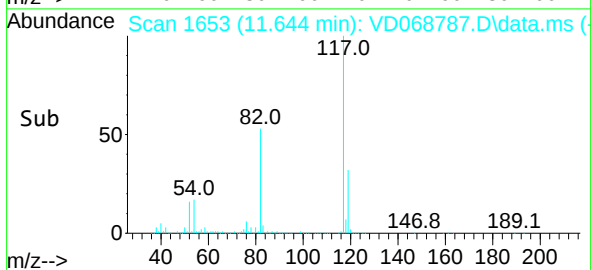
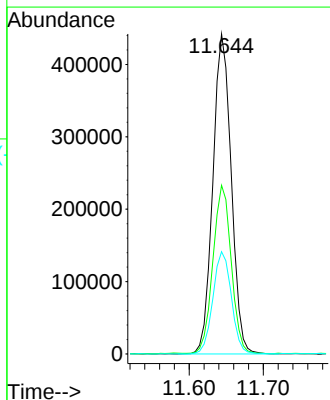
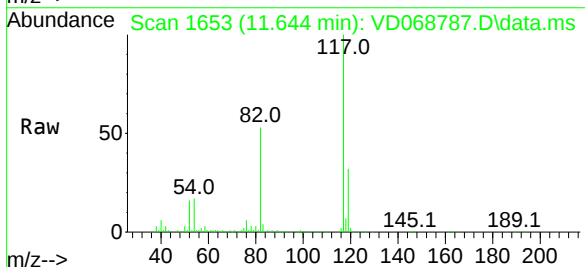
Instrument :
MSVOA_D
ClientSampleId :

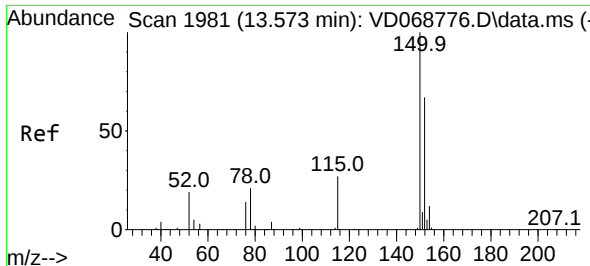
Tgt Ion: 95 Resp: 346225
Ion Ratio Lower Upper
95 100
174 84.1 0.0 168.0
176 80.6 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

Tgt Ion:117 Resp: 760857
Ion Ratio Lower Upper
117 100
82 52.5 43.5 65.3
119 31.9 26.7 40.1

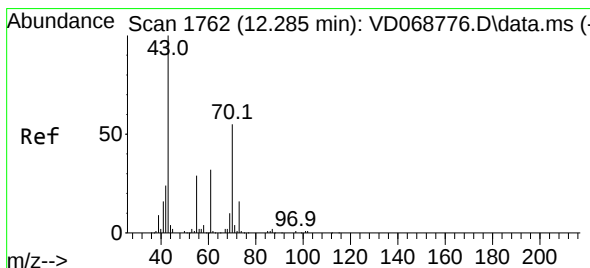
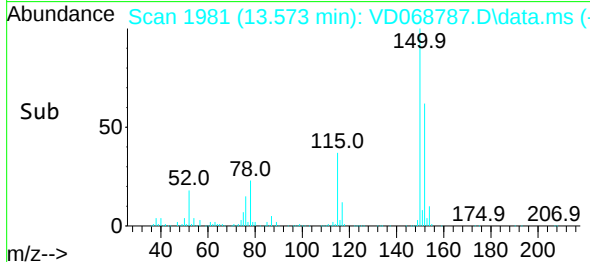
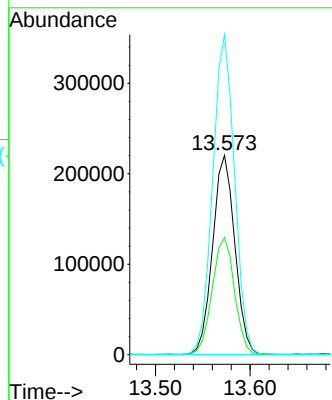
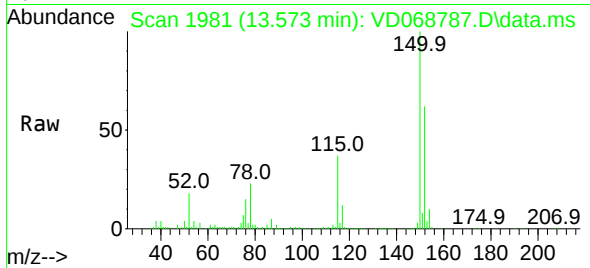




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

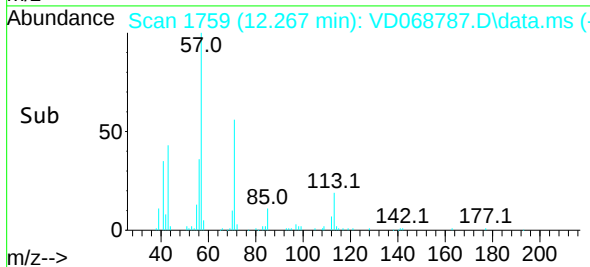
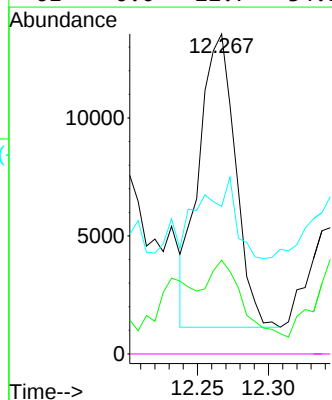
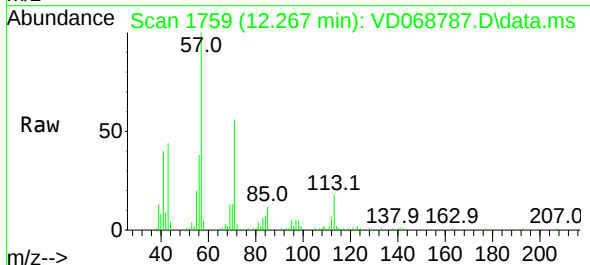
Instrument :
MSVOA_D
ClientSampleId :

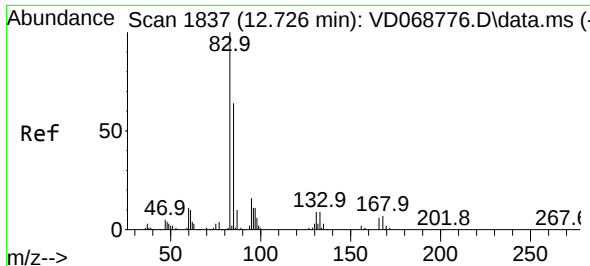
Tgt Ion:152 Resp: 358900
Ion Ratio Lower Upper
152 100
115 59.4 29.3 87.8
150 158.3 0.0 347.6



#74
N-ethyl acetate
Concen: 4.98 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

Tgt Ion: 43 Resp: 22126
Ion Ratio Lower Upper
43 100
70 24.6 41.9 62.9#
55 30.8 22.8 34.2
61 0.0 22.7 34.1#

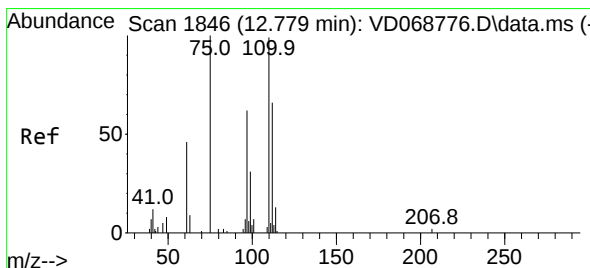
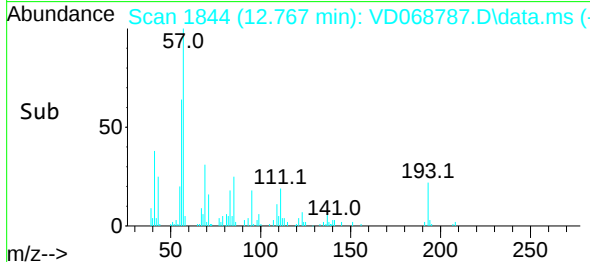
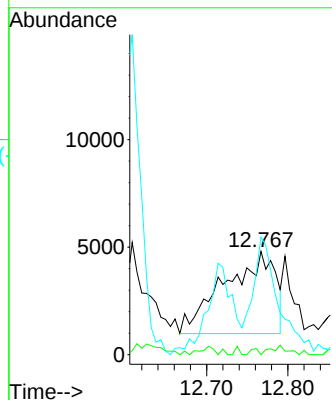
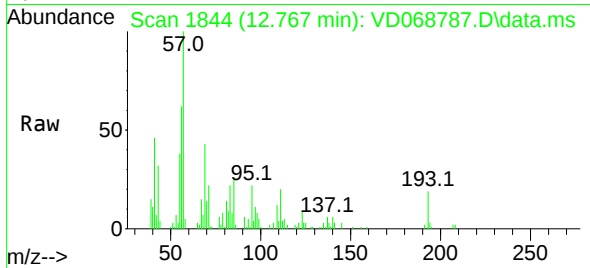




#75
1,1,2,2-Tetrachloroethane
Concen: 3.37 ug/l
RT: 12.767 min Scan# 1844
Delta R.T. 0.041 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

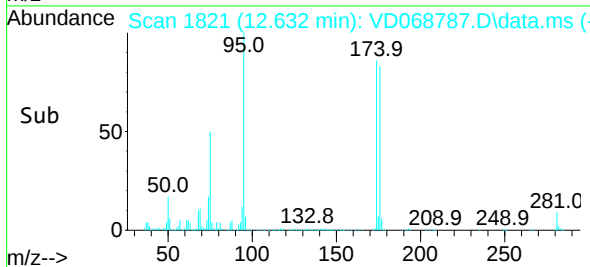
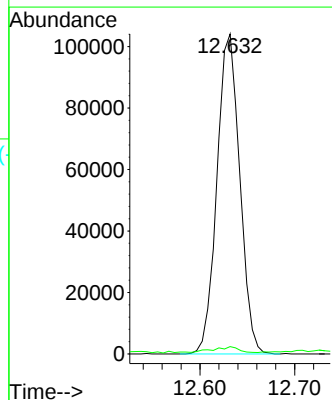
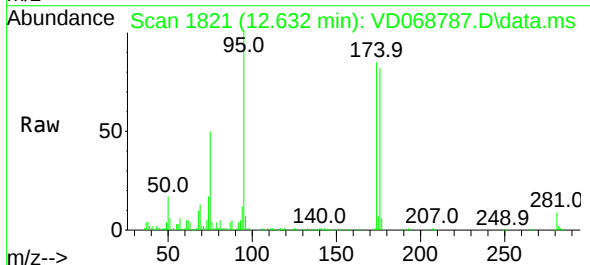
Instrument :
MSVOA_D
ClientSampleId :

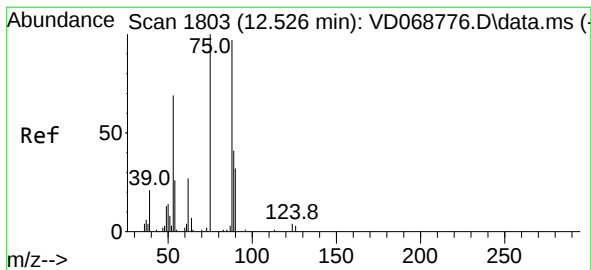
Tgt Ion: 83 Resp: 16497
Ion Ratio Lower Upper
83 100
131 1.1 5.1 15.3#
85 66.0 32.0 96.0



#76
1,2,3-Trichloropropane
Concen: 53.17 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068787.D
Acq: 08 Apr 2021 14:16

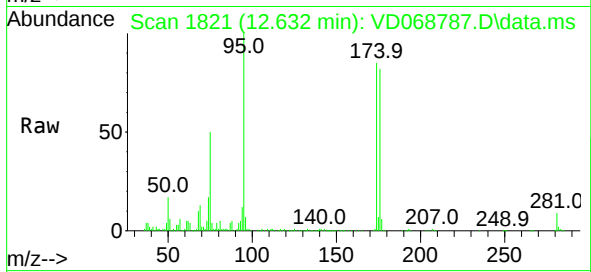
Tgt Ion: 75 Resp: 174323
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.39 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068787.D
 Acq: 08 Apr 2021 14:16

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 174323

Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	36.6	54.8#

