

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
 Data File : VD068801.D
 Acq On : 08 Apr 2021 20:48
 Operator : VA/SY
 Sample : M1979-05
 Misc : 4.79G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:05:59 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)

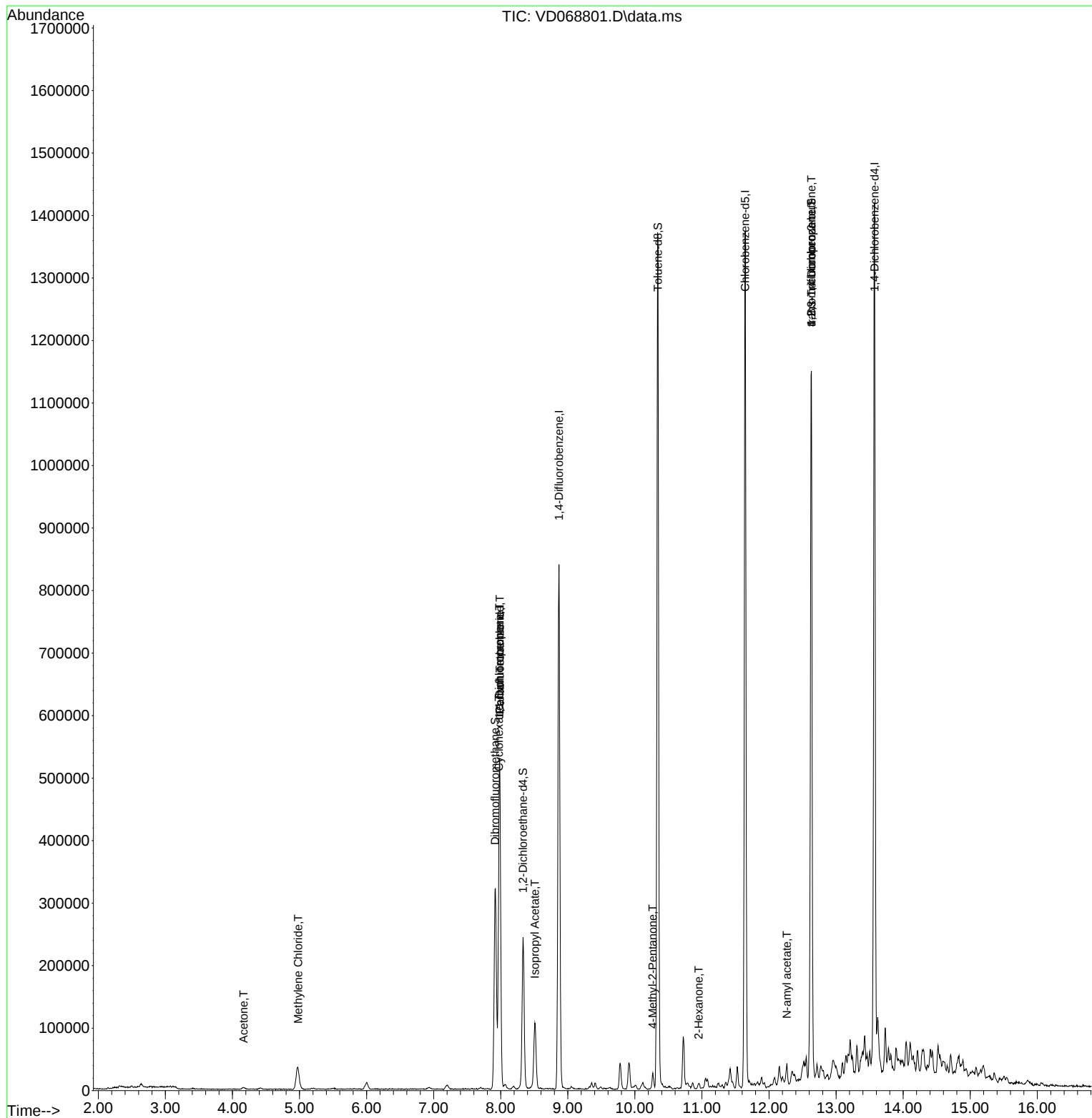
Internal Standards						
1) Pentafluorobenzene	7.985	168	415133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	773620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	808430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	401730	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	188616	42.99	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.98%		
35) Dibromofluoromethane	7.914	113	233263	46.36	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.72%		
50) Toluene-d8	10.344	98	978911	51.57	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.14%		
62) 4-Bromofluorobenzene	12.632	95	365955	58.05	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	116.10%		
Target Compounds						
11) Tert butyl alcohol	5.209	59	685	Below Cal	#	73
16) Acetone	4.168	43	5212	8.58	ug/l	93
20) Methylene Chloride	4.979	84	30962	1.64	ug/l	85
31) Cyclohexane	7.973	56	8749	1.20	ug/l	# 33
36) 1,1-Dichloropropene	7.979	75	30906	3.95	ug/l	# 48
38) Carbon Tetrachloride	7.985	117	41321	5.33	ug/l	# 17
43) Isopropyl Acetate	8.509	43	17154	3.66	ug/l	# 45
51) 4-Methyl-2-Pentanone	10.267	43	2920	1.24	ug/l	# 67
59) 2-Hexanone	10.950	43	2739	1.73	ug/l	# 19
74) N-amyl acetate	12.267	43	5248	1.06	ug/l	# 78
76) 1,2,3-Trichloropropane	12.632	75	183998	50.13	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.632	75	183998	116.35	ug/l	# 16

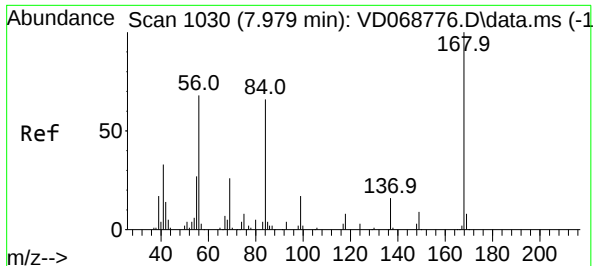
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 09 01:05:59 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

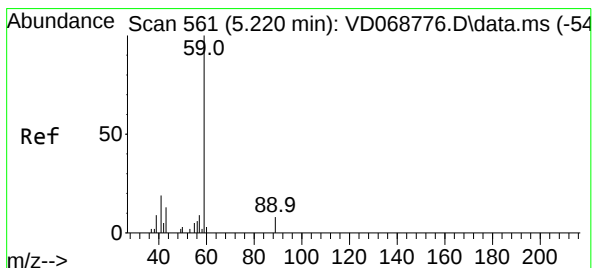
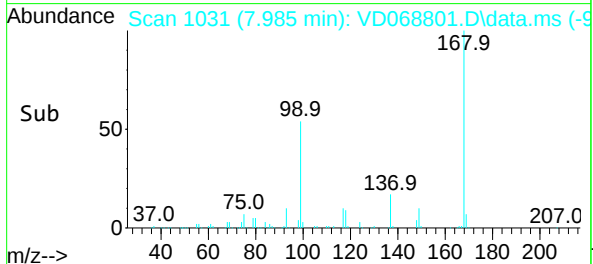
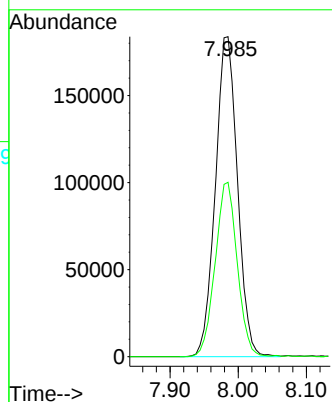
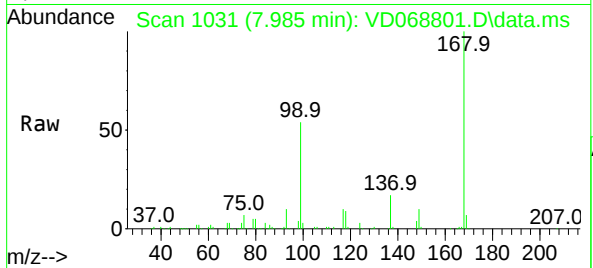




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

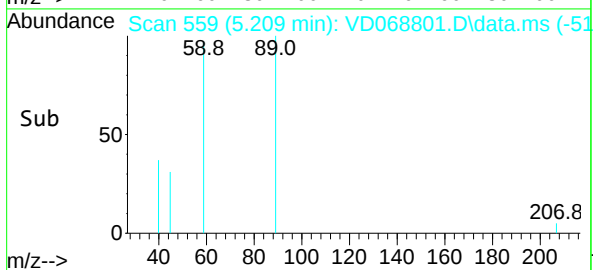
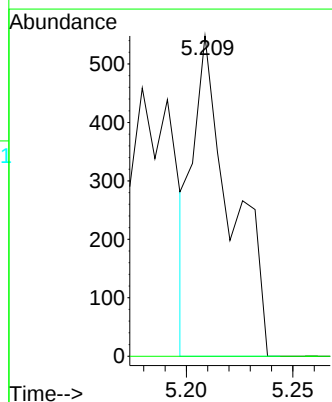
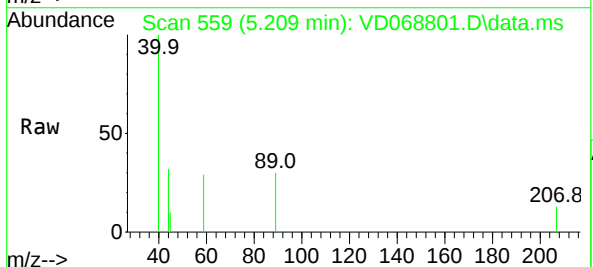
Instrument :
MSVOA_D
ClientSampled :

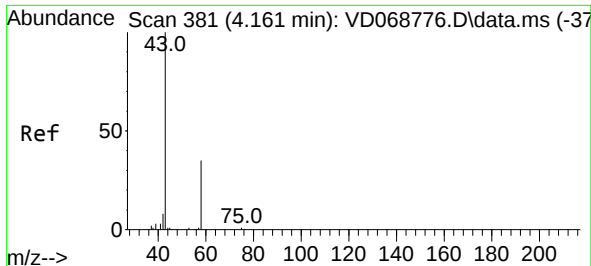
Tgt Ion:168 Resp: 415133
Ion Ratio Lower Upper
168 100
99 54.5 46.2 69.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

Tgt Ion: 59 Resp: 685
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

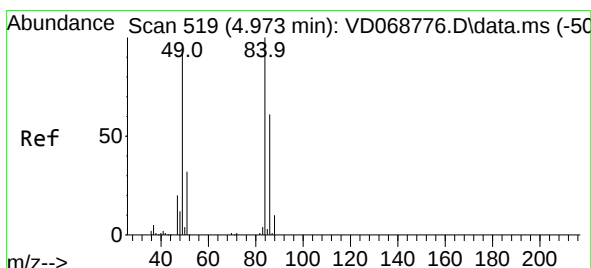
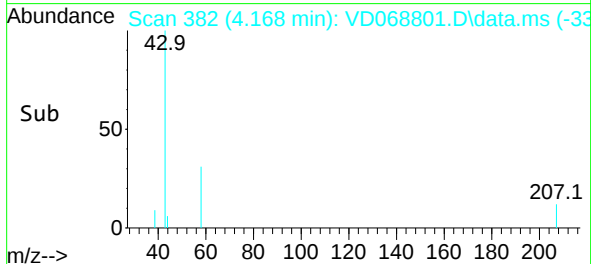
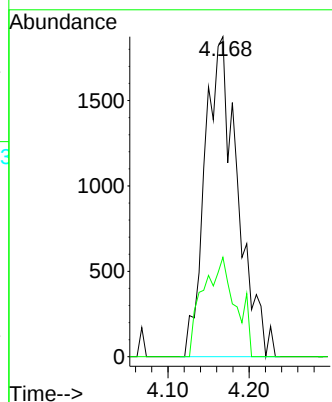
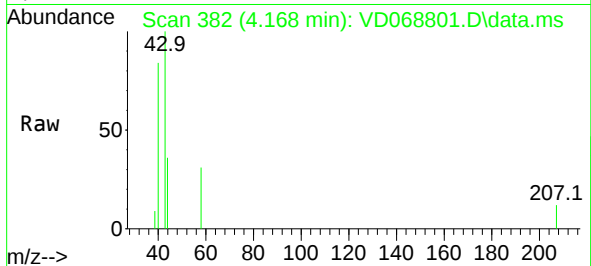




#16
Acetone
Concen: 8.58 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.007 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

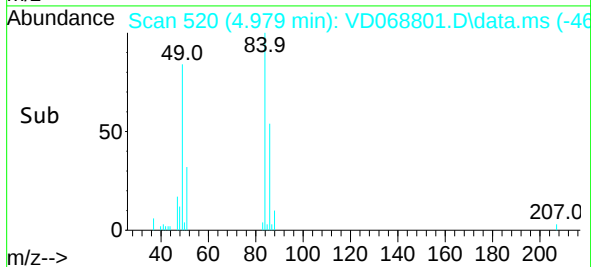
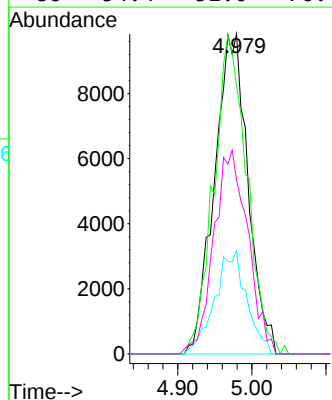
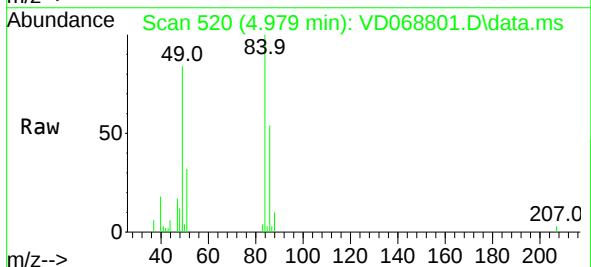
Instrument :
MSVOA_D
ClientSampled :

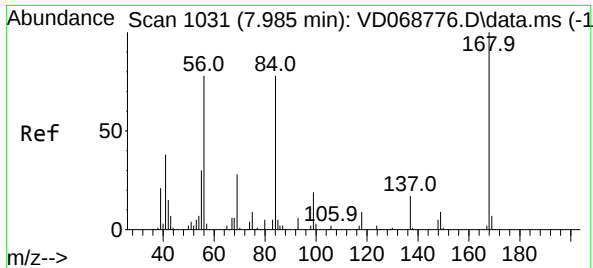
Tgt Ion: 43 Resp: 5212
Ion Ratio Lower Upper
43 100
58 31.1 28.0 42.0



#20
Methylene Chloride
Concen: 1.64 ug/l
RT: 4.979 min Scan# 520
Delta R.T. 0.006 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

Tgt Ion: 84 Resp: 30962
Ion Ratio Lower Upper
84 100
49 83.9 83.4 125.0
51 32.3 23.4 35.2
86 54.4 51.0 76.4

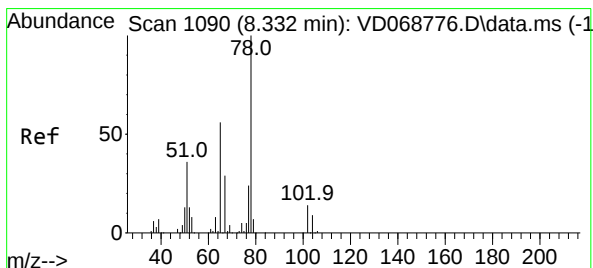
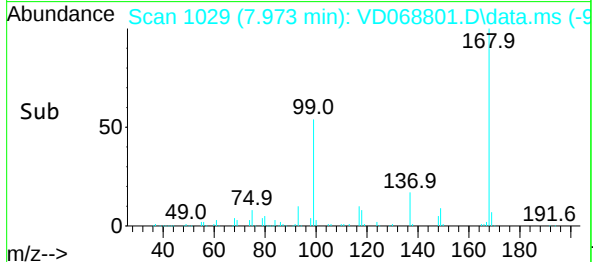
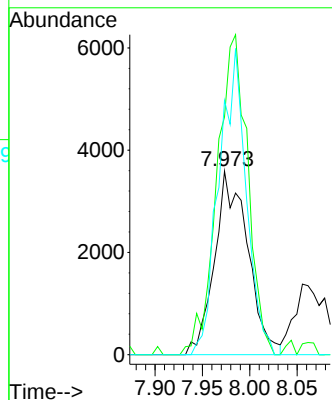
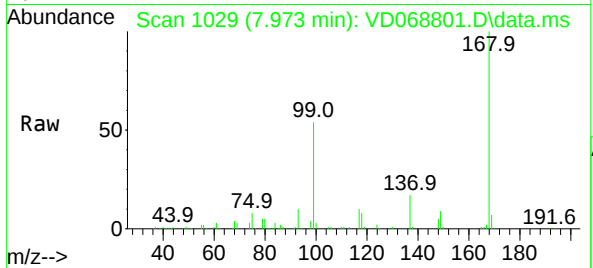




#31
Cyclohexane
Concen: 1.20 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

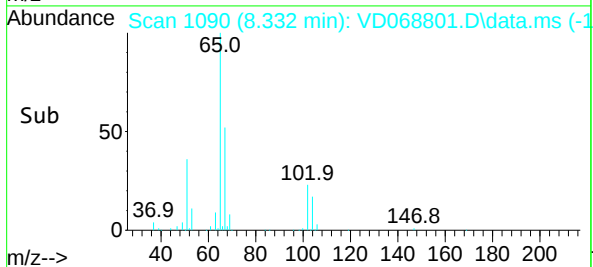
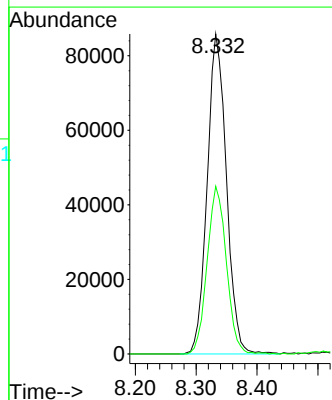
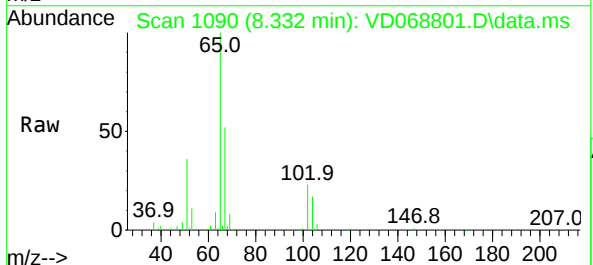
Instrument :
MSVOA_D
ClientSampled :

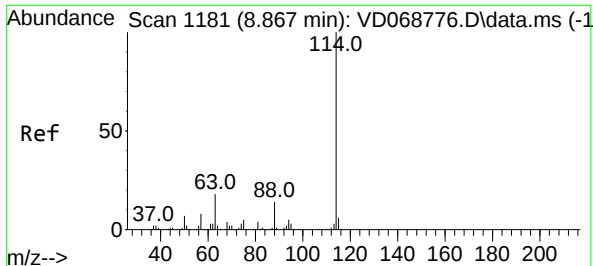
Tgt Ion: 56 Resp: 8749
Ion Ratio Lower Upper
56 100
69 129.6 30.0 45.0#
84 138.6 82.0 123.0#



#33
1,2-Dichloroethane-d4
Concen: 42.99 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

Tgt Ion: 65 Resp: 188616
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.0

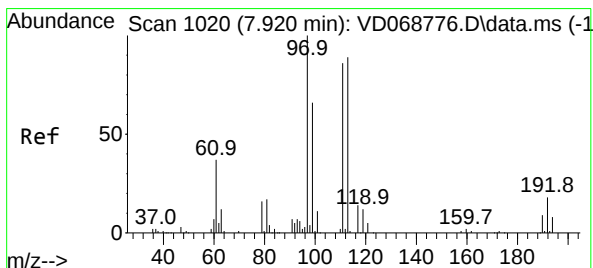
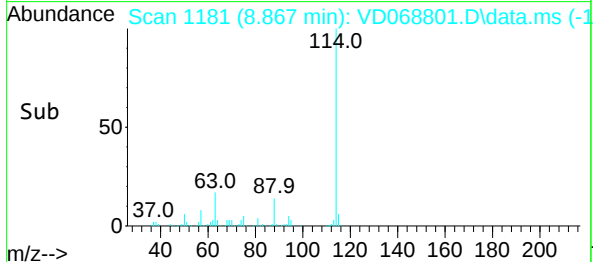
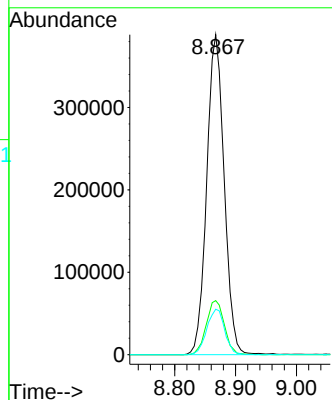
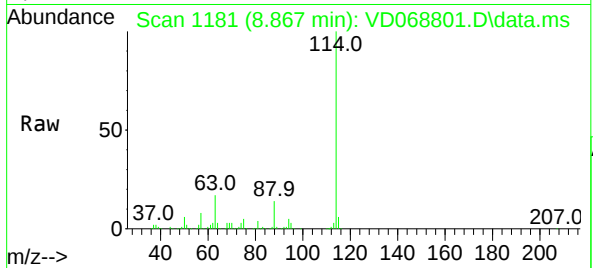




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

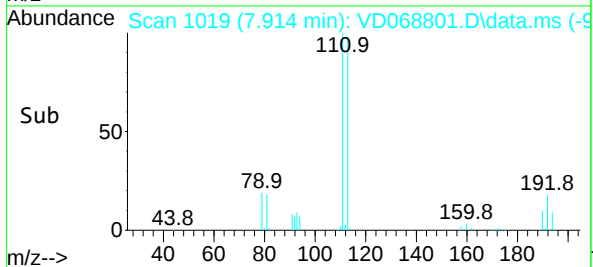
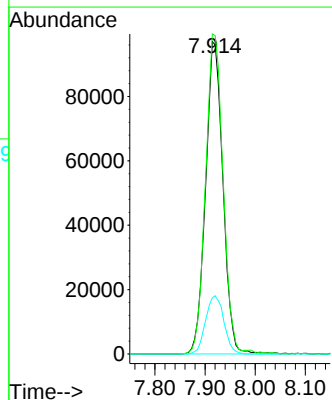
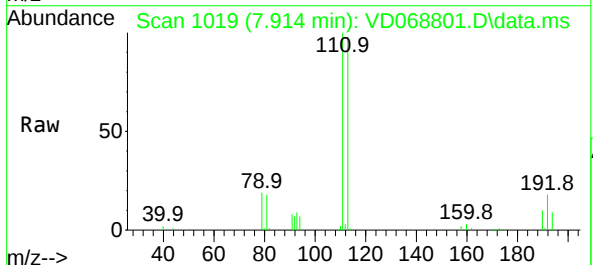
Instrument :
MSVOA_D
ClientSampled :

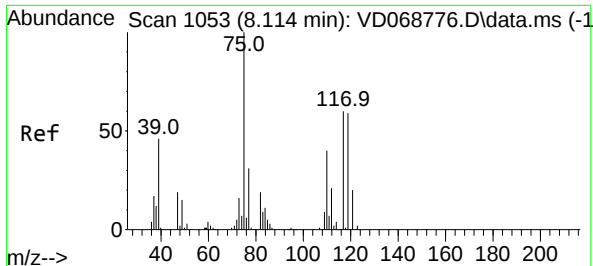
Tgt Ion:114 Resp: 773620
Ion Ratio Lower Upper
114 100
63 16.9 0.0 38.2
88 14.2 0.0 29.4



#35
Dibromofluoromethane
Concen: 46.36 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

Tgt Ion:113 Resp: 233263
Ion Ratio Lower Upper
113 100
111 103.8 82.5 123.7
192 19.6 15.1 22.7



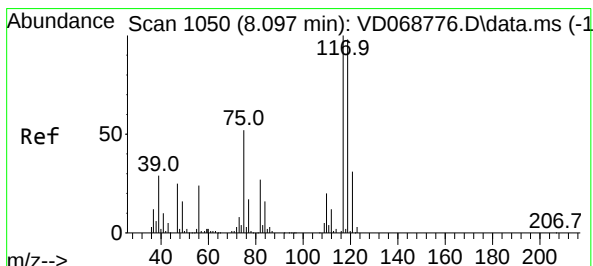
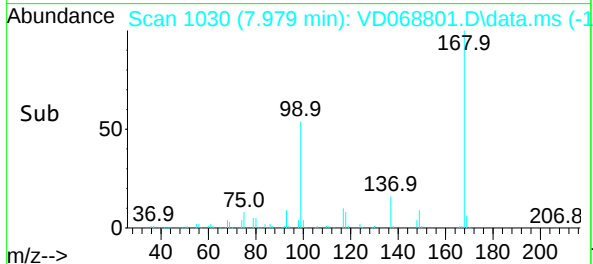
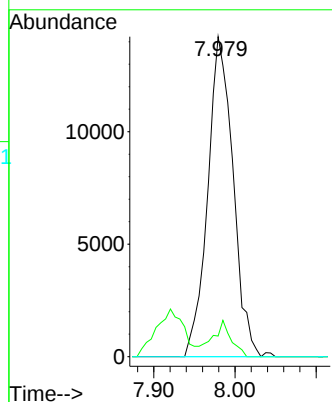
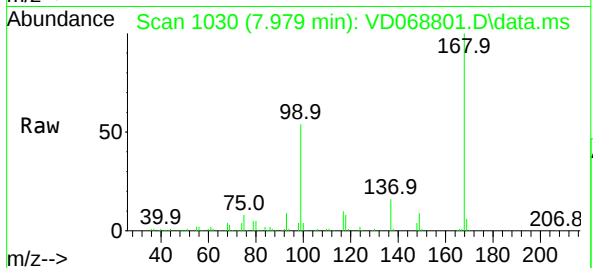


#36

1,1-Dichloropropene
Concen: 3.95 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

Instrument :
MSVOA_D
ClientSampled :

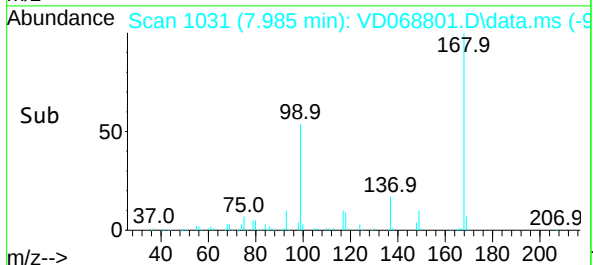
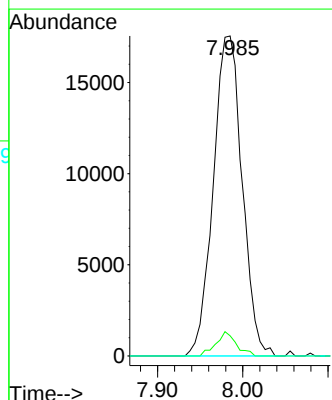
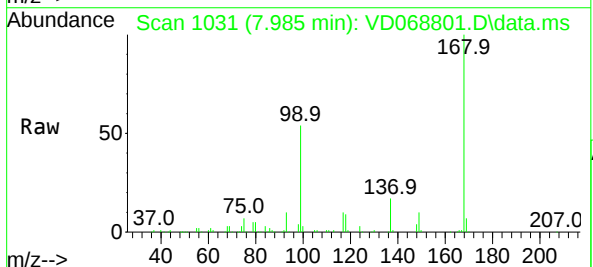
Tgt Ion: 75 Resp: 30906
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 24.7 37.1#

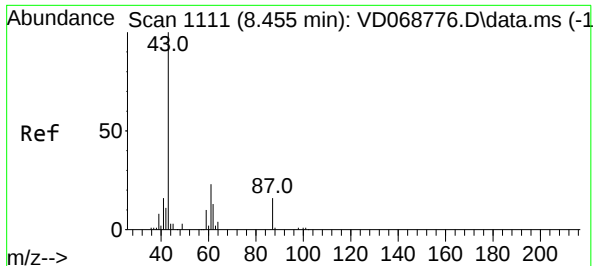


#38

Carbon Tetrachloride
Concen: 5.33 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

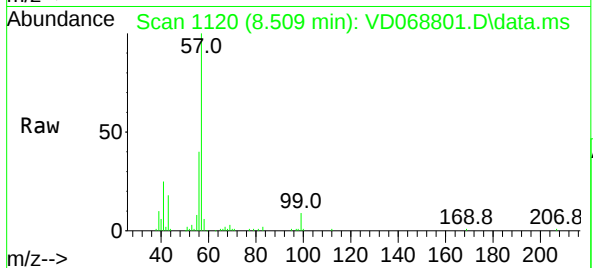
Tgt Ion: 117 Resp: 41321
Ion Ratio Lower Upper
117 100
119 6.3 76.6 115.0#
121 0.0 26.1 39.1#



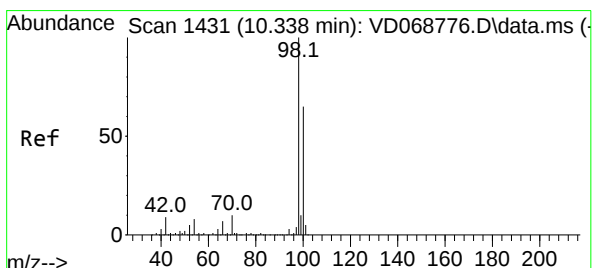
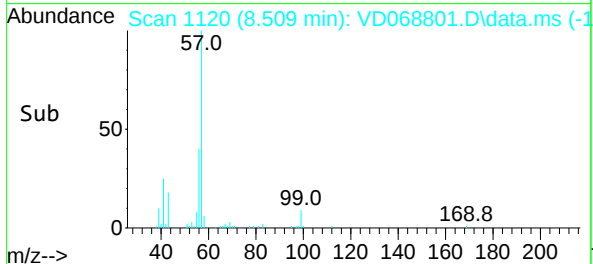
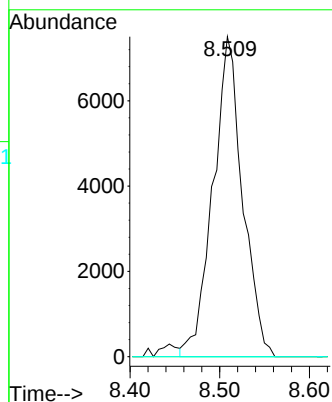


#43
Isopropyl Acetate
Concen: 3.66 ug/l
RT: 8.509 min Scan# 1120
Delta R.T. 0.054 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

Instrument :
MSVOA_D
ClientSampleId :

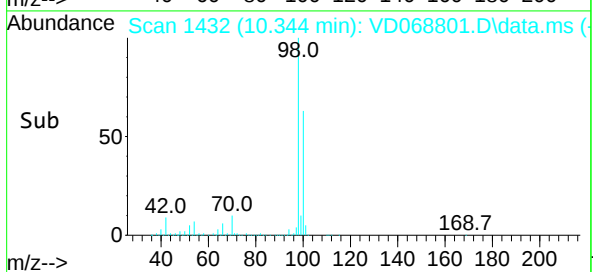
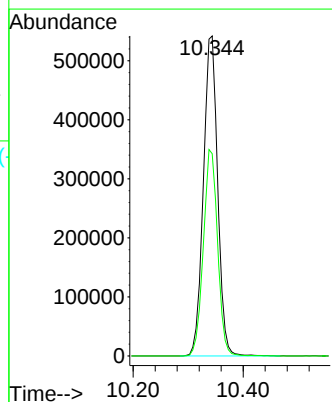
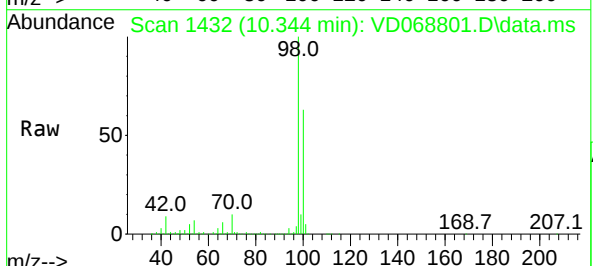


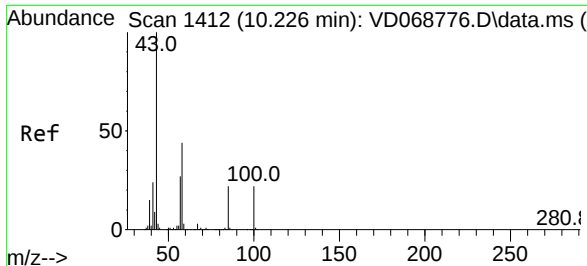
Tgt Ion: 43 Resp: 17154
Ion Ratio Lower Upper
43 100
61 0.0 29.5 44.3#
87 0.0 13.5 20.3#



#50
Toluene-d8
Concen: 51.57 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

Tgt Ion: 98 Resp: 978911
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6

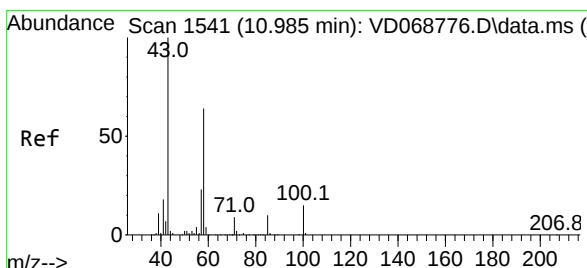
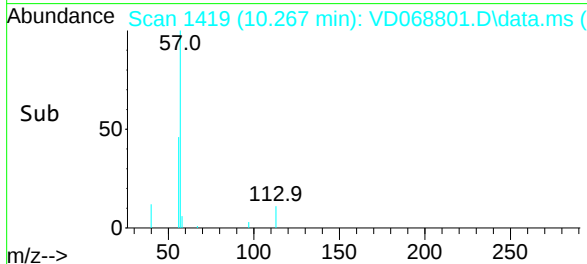
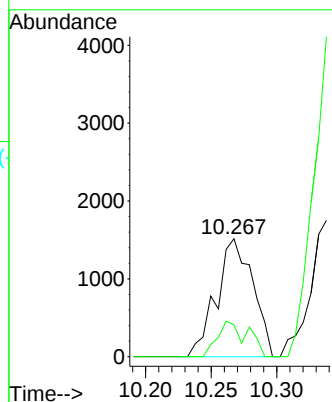
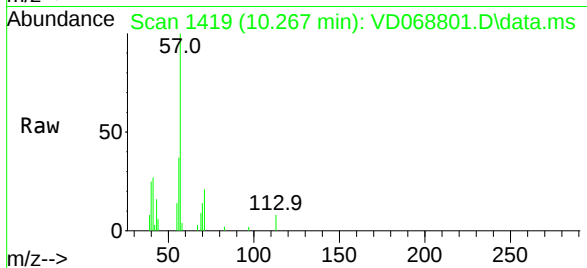




#51
4-Methyl-2-Pentanone
Concen: 1.24 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

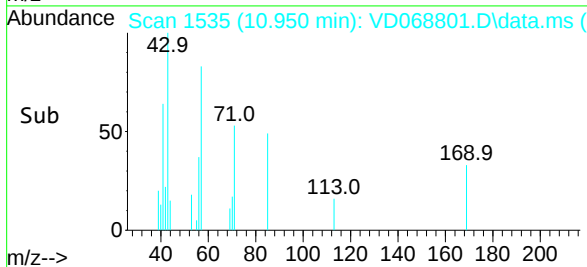
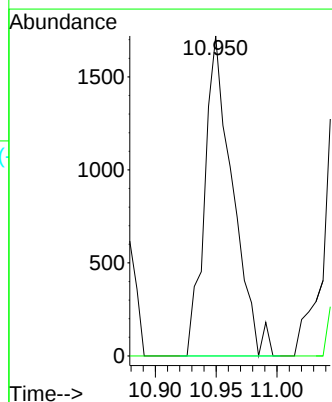
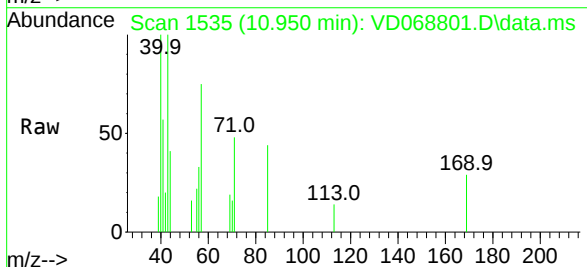
Instrument :
MSVOA_D
ClientSampled :

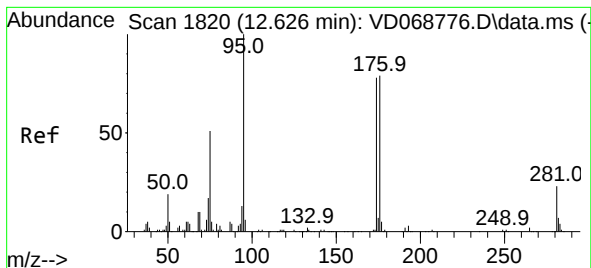
Tgt Ion: 43 Resp: 2920
Ion Ratio Lower Upper
43 100
58 24.9 37.3 55.9#



#59
2-Hexanone
Concen: 1.73 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.035 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

Tgt Ion: 43 Resp: 2739
Ion Ratio Lower Upper
43 100
58 0.0 31.3 93.8#

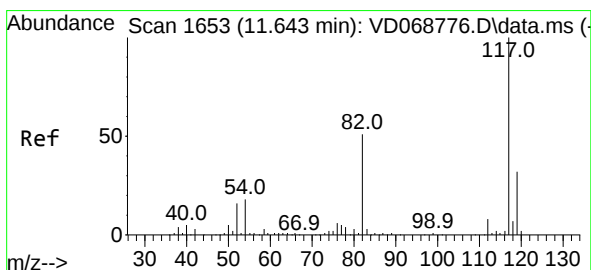
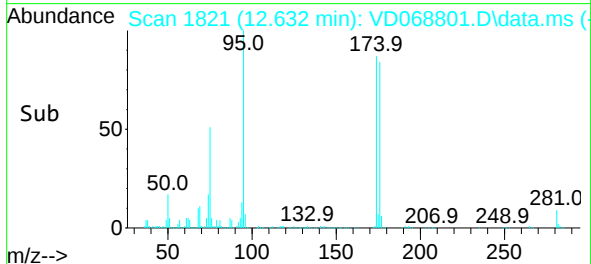
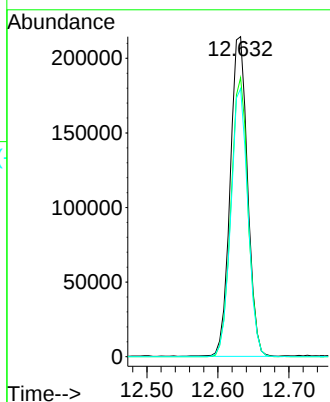
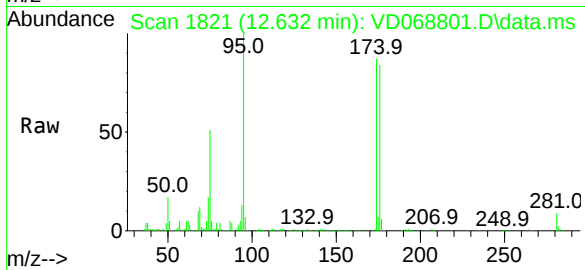




#62
4-Bromofluorobenzene
Concen: 58.05 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

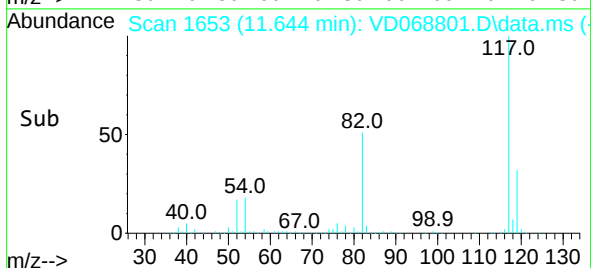
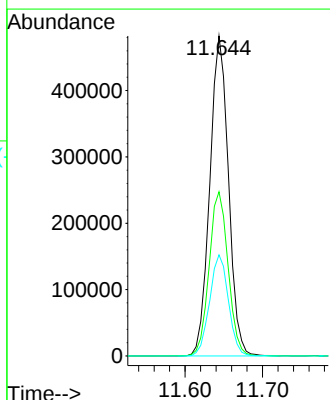
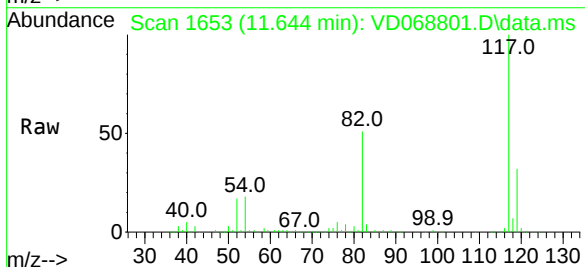
Instrument :
MSVOA_D
ClientSampleId :

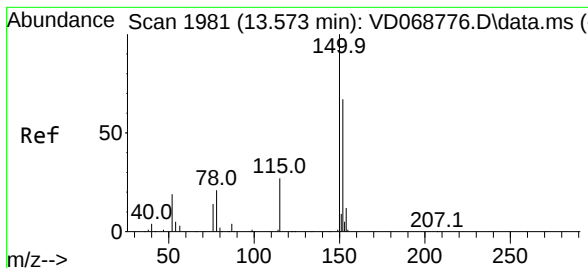
Tgt Ion: 95 Resp: 365955
Ion Ratio Lower Upper
95 100
174 85.2 0.0 168.0
176 82.0 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

Tgt Ion: 117 Resp: 808430
Ion Ratio Lower Upper
117 100
82 51.3 43.5 65.3
119 31.6 26.7 40.1

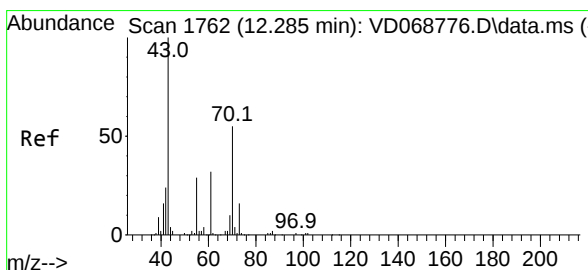
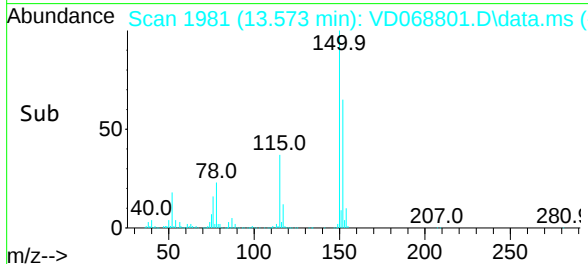
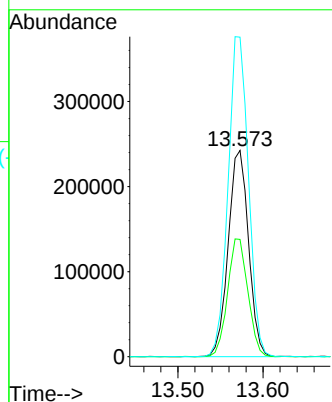
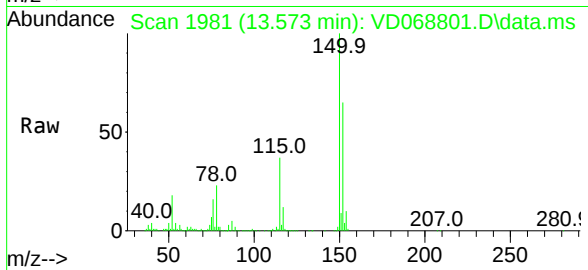




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

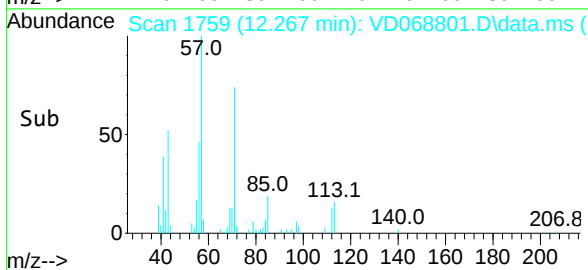
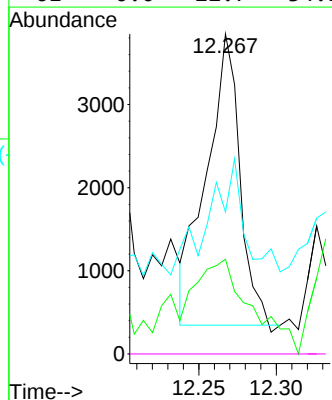
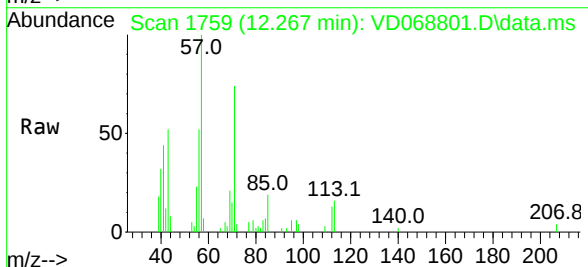
Instrument :
MSVOA_D
ClientSampled :

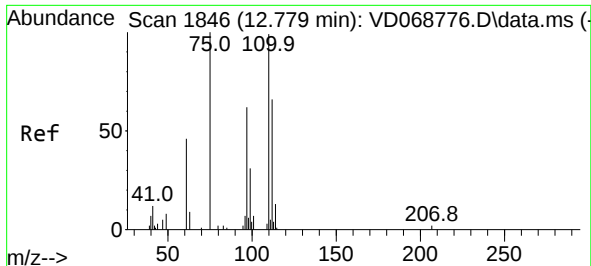
Tgt Ion:152 Resp: 401730
Ion Ratio Lower Upper
152 100
115 57.0 29.3 87.8
150 155.6 0.0 347.6



#74
N-ethyl acetate
Concen: 1.06 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

Tgt Ion: 43 Resp: 5248
Ion Ratio Lower Upper
43 100
70 55.2 41.9 62.9
55 41.8 22.8 34.2#
61 0.0 22.7 34.1#

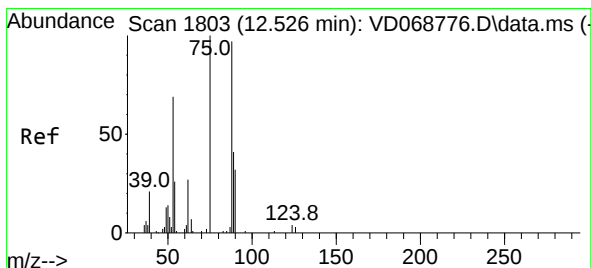
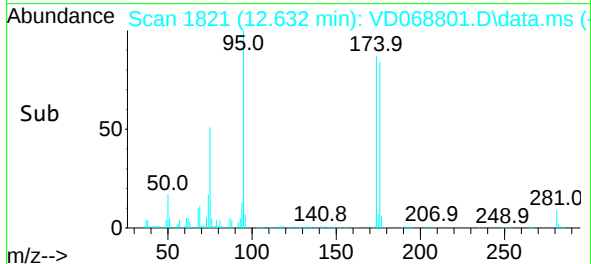
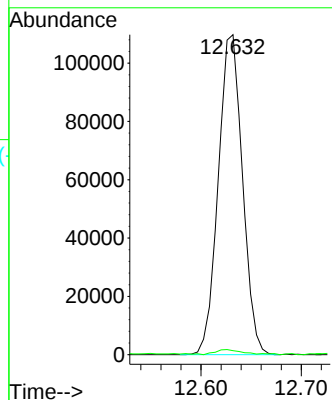
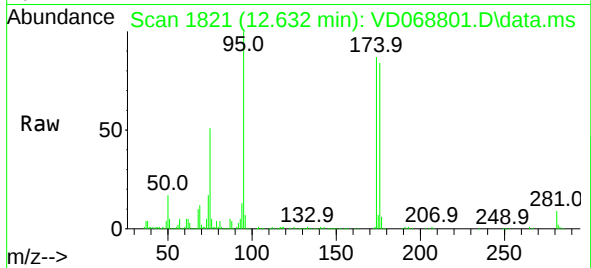




#76
1,2,3-Trichloropropane
Concen: 50.13 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 183998
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.35 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068801.D
Acq: 08 Apr 2021 20:48

Tgt Ion: 75 Resp: 183998
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 36.6 54.8#

