

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
 Data File : VD068434.D
 Acq On : 24 Feb 2021 13:46
 Operator : VA/SY
 Sample : M1460-01
 Misc : 3.20G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 00:10:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 13:30:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	376301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	716356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	658131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	292936	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	206795	53.76	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.52%
35) Dibromofluoromethane	7.914	113	214184	50.37	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.74%
50) Toluene-d8	10.343	98	886953	50.33	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.66%
62) 4-Bromofluorobenzene	12.632	95	284519	49.56	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.12%

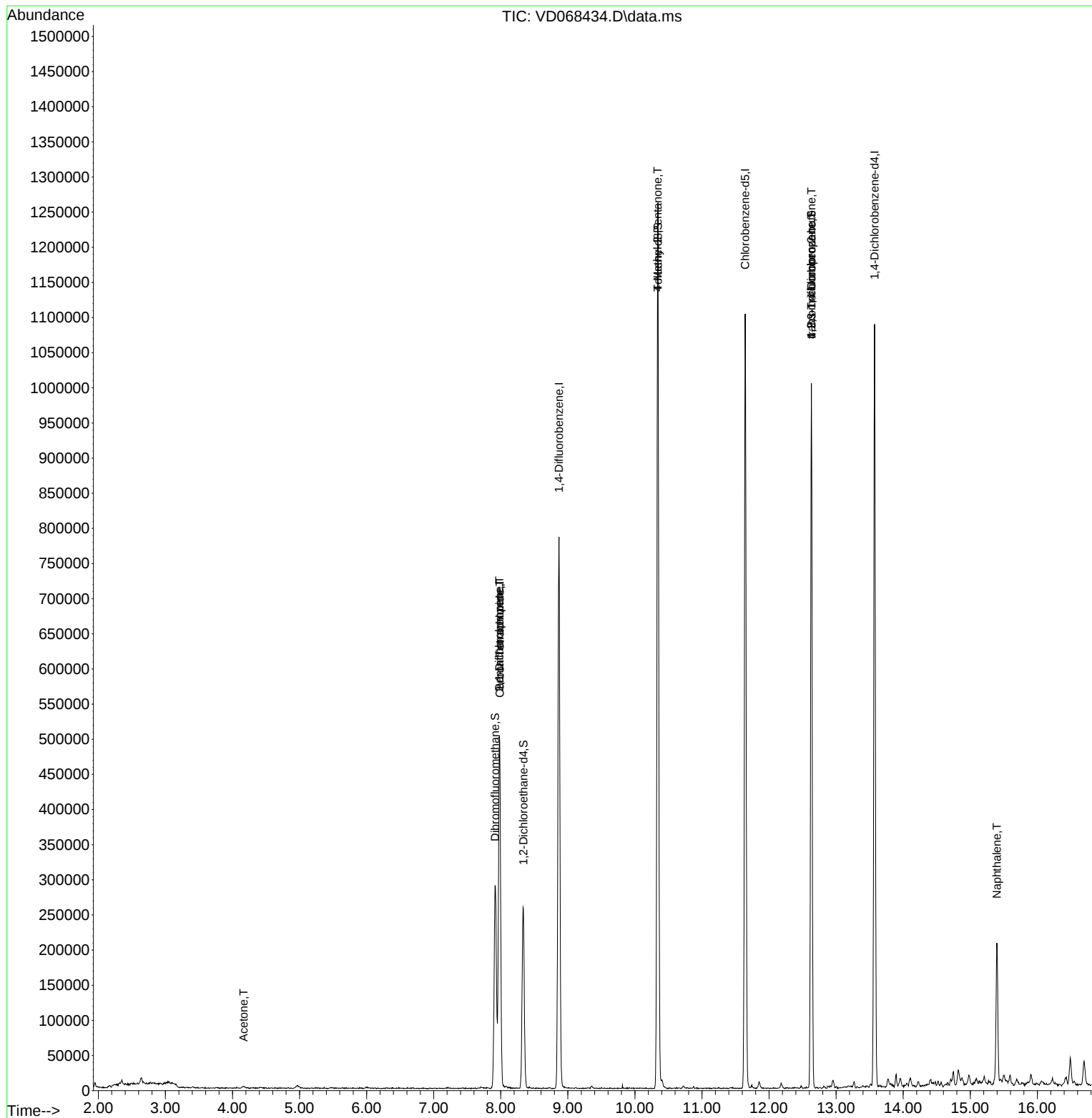
Target Compounds					Qvalue
16) Acetone	4.167	43	4171	7.03	ug/l 95
20) Methylene Chloride	4.955	84	1268	Below Cal	# 78
31) Cyclohexane	7.985	56	9176	Below Cal	# 13
36) 1,1-Dichloropropene	7.979	75	31240	4.93	ug/l # 48
38) Carbon Tetrachloride	7.985	117	39436	6.52	ug/l # 15
51) 4-Methyl-2-Pentanone	10.338	43	3271	1.55	ug/l # 1
76) 1,2,3-Trichloropropane	12.632	75	145224	52.10	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.632	75	145224	130.59	ug/l # 14
95) Naphthalene	15.396	128	179558	18.39	ug/l 99

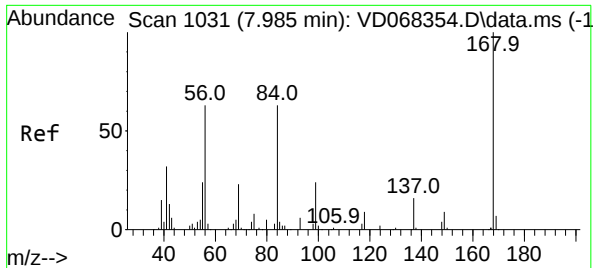
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :

Quant Time: Feb 25 00:10:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 12 13:30:51 2021
Response via : Initial Calibration

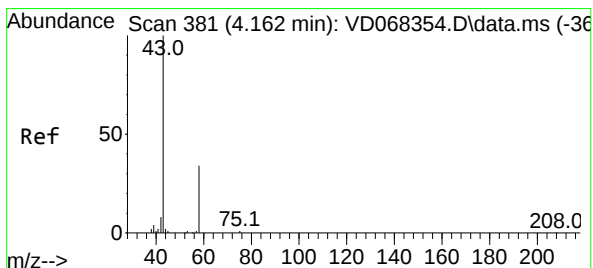
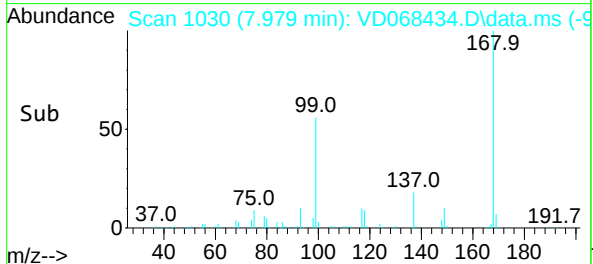
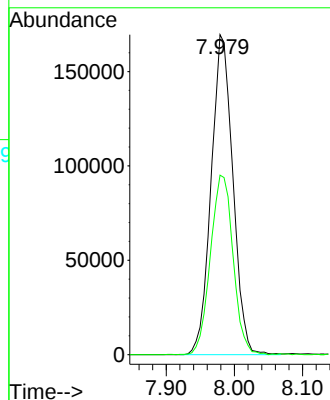
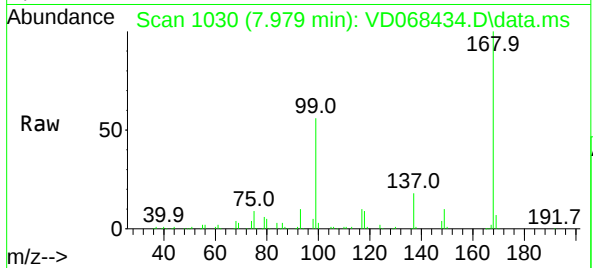




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

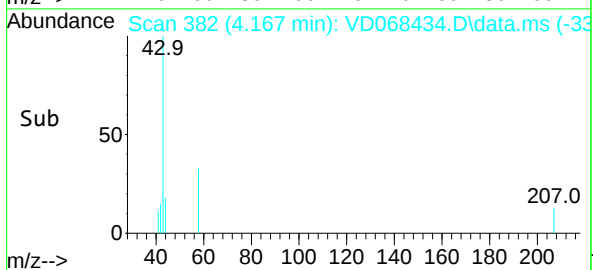
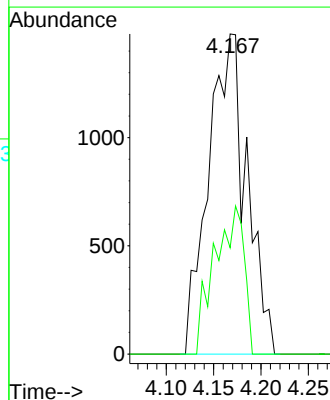
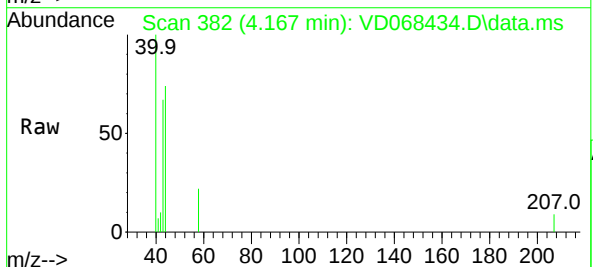
Instrument :
MSVOA_D
ClientSampled :

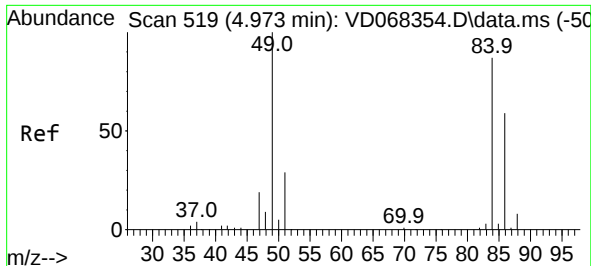
Tgt Ion:168 Resp: 376301
Ion Ratio Lower Upper
168 100
99 56.0 43.5 65.3



#16
Acetone
Concen: 7.03 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

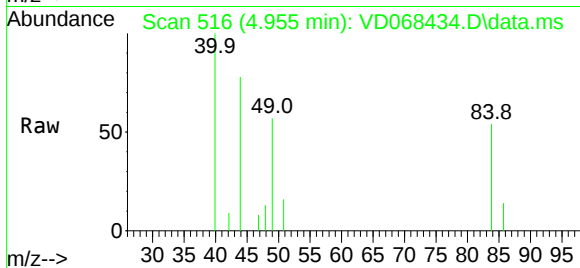
Tgt Ion: 43 Resp: 4171
Ion Ratio Lower Upper
43 100
58 33.2 24.2 36.4





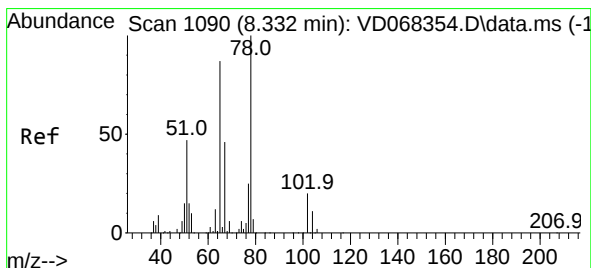
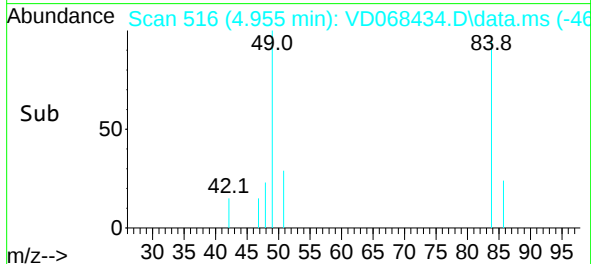
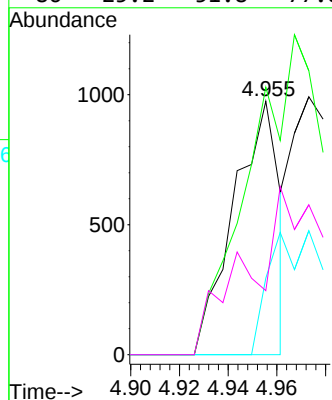
#20
Methylene Chloride
Concen: Below Cal
RT: 4.955 min Scan# 516
Delta R.T. -0.018 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 1268

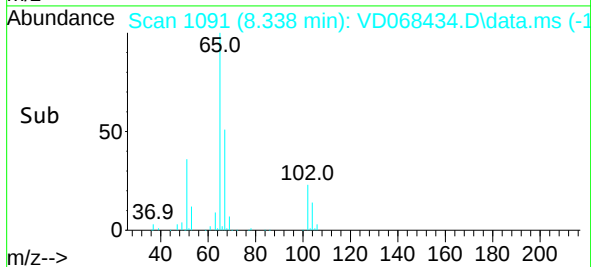
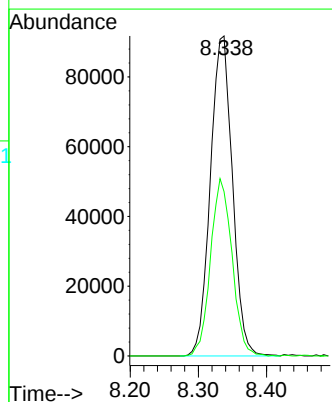
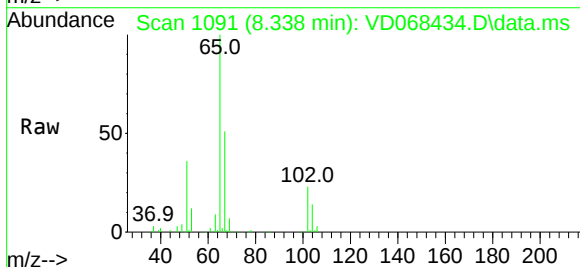
Ion	Ratio	Lower	Upper
84	100		
49	105.5	77.4	116.2
51	30.2	26.1	39.1
86	25.2	51.8	77.8#

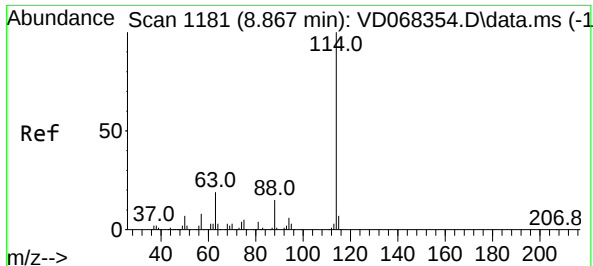


#33
1,2-Dichloroethane-d4
Concen: 53.76 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

Tgt Ion: 65 Resp: 206795

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	105.0



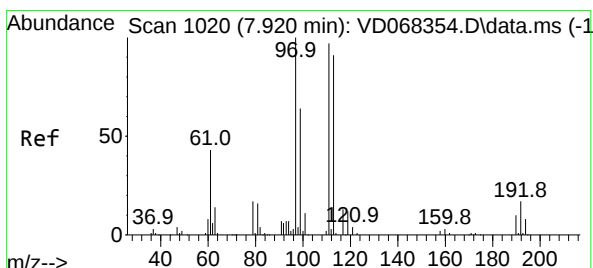
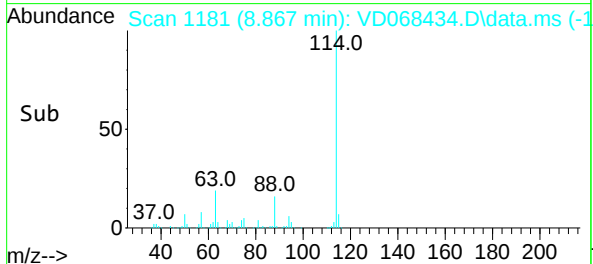
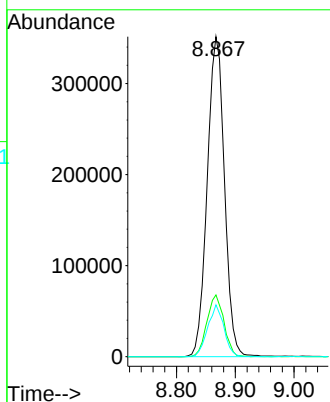
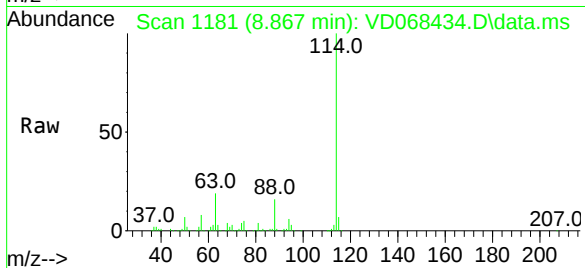


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

Instrument :
MSVOA_D
ClientSampleId :

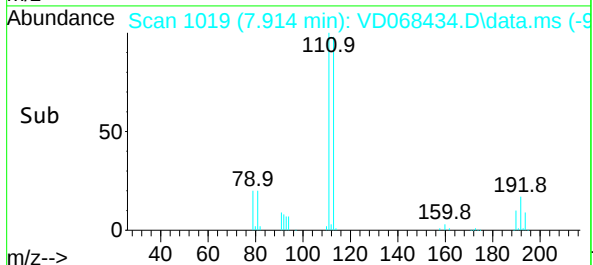
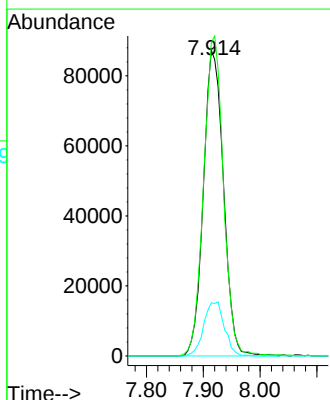
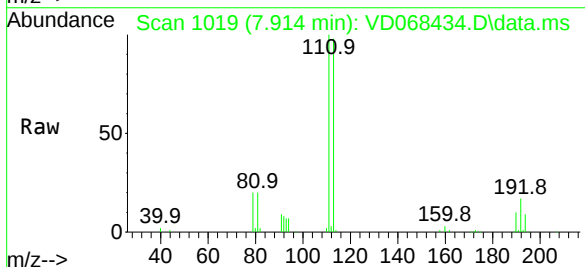
Tgt Ion:	114	Resp:	716356
Ion Ratio	Lower	Upper	
114	100		
63	19.3	0.0	34.8
88	16.2	0.0	31.6

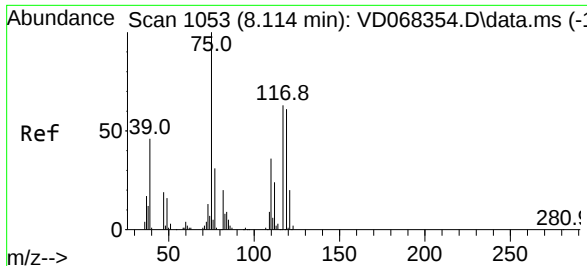


#35

Dibromofluoromethane
Concen: 50.37 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

Tgt Ion:	113	Resp:	214184
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.4	122.0
192	18.2	16.1	24.1

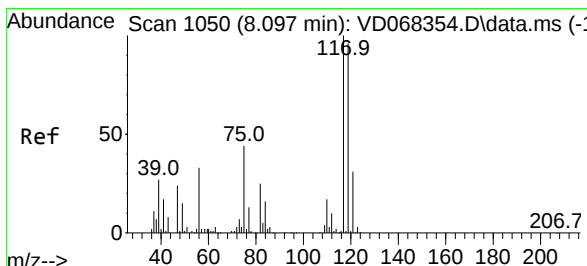
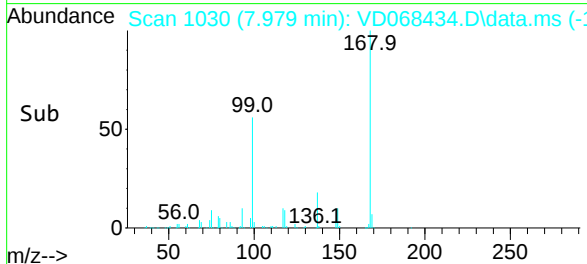
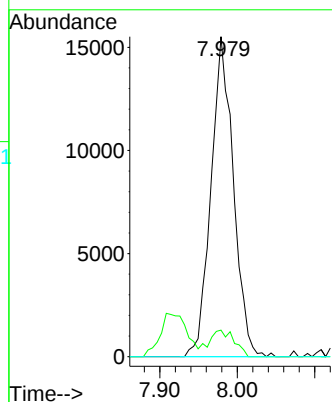
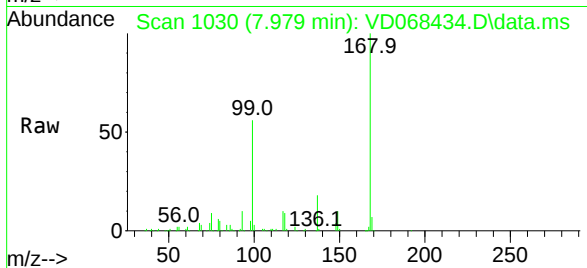




#36
1,1-Dichloropropene
Concen: 4.93 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.136 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

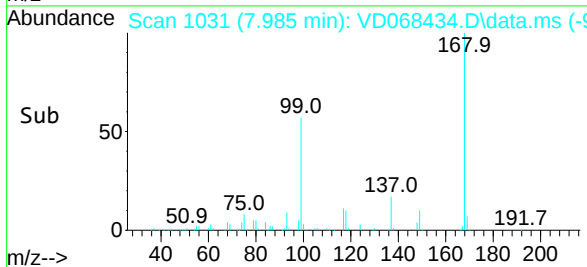
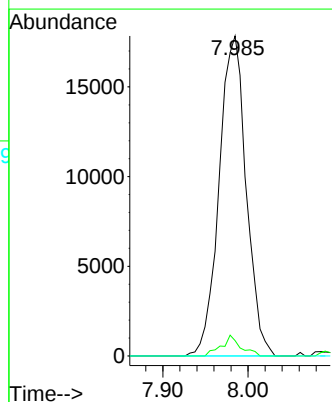
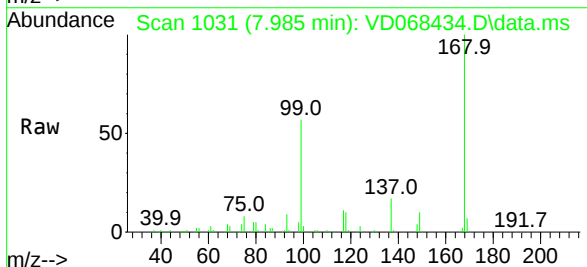
Instrument :
MSVOA_D
ClientSampled :

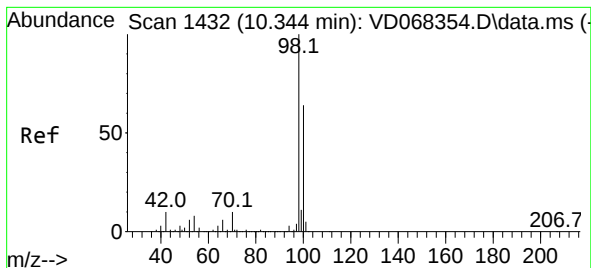
Tgt Ion: 75 Resp: 31240
Ion Ratio Lower Upper
75 100
110 9.4 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.52 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

Tgt Ion: 117 Resp: 39436
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 24.7 37.1#

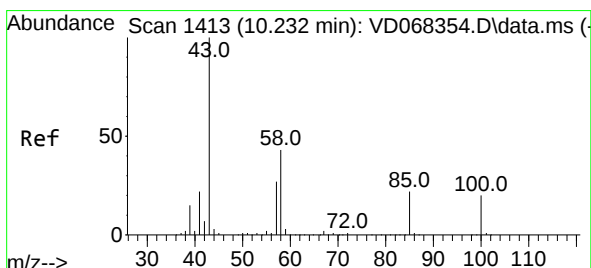
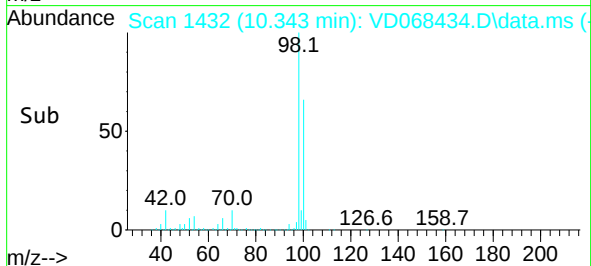
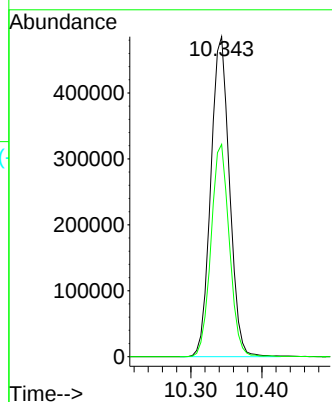
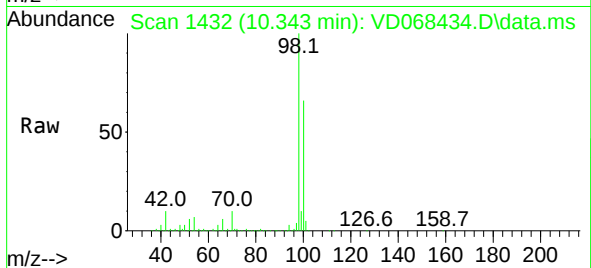




#50
Toluene-d8
Concen: 50.33 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

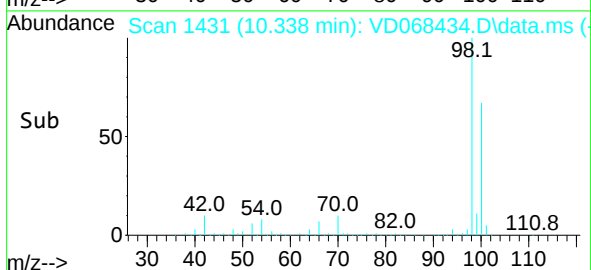
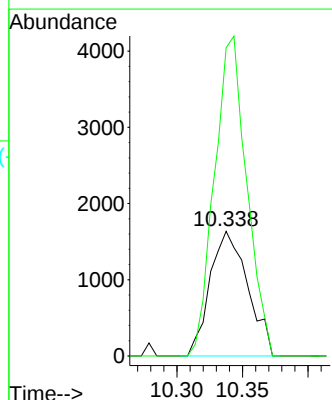
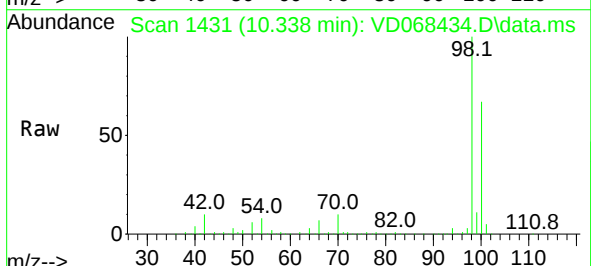
Instrument :
MSVOA_D
ClientSampleId :

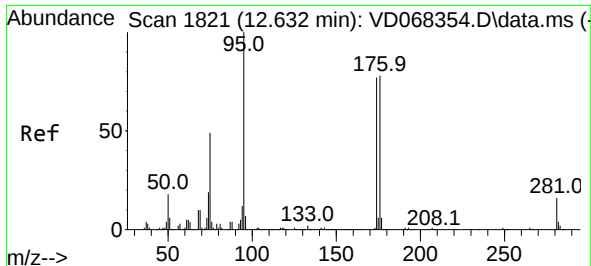
Tgt Ion: 98 Resp: 886953
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.55 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.106 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

Tgt Ion: 43 Resp: 3271
Ion Ratio Lower Upper
43 100
58 219.6 36.1 54.1#

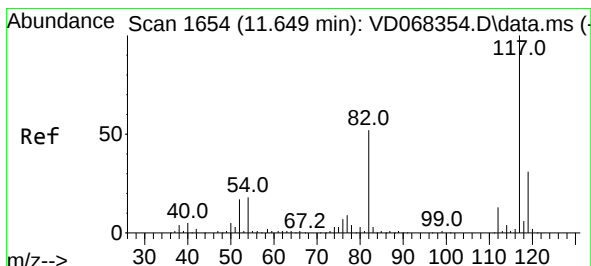
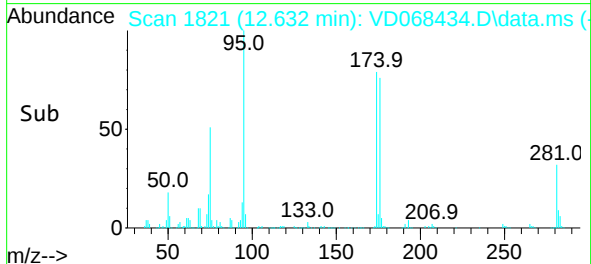
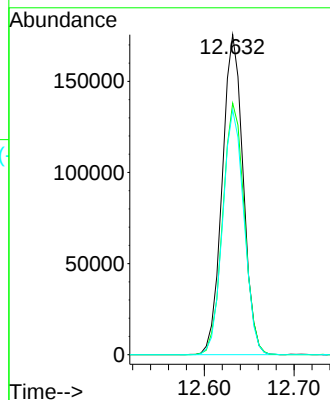
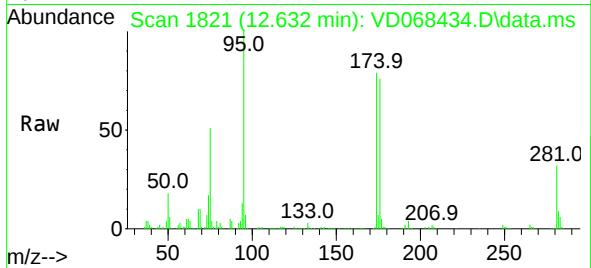




#62
4-Bromofluorobenzene
Concen: 49.56 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

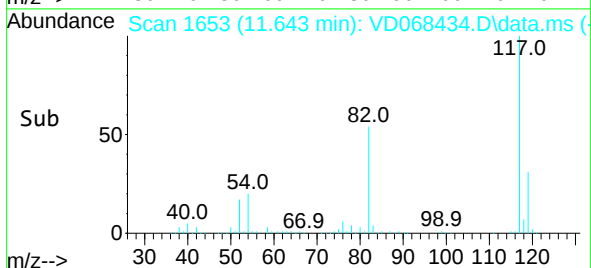
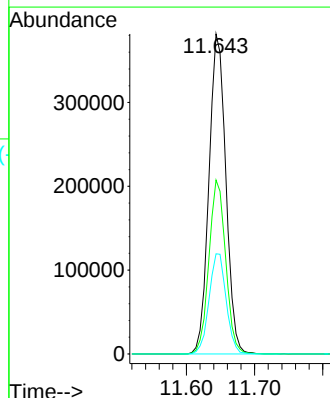
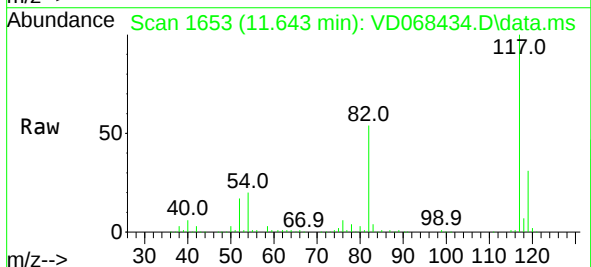
Instrument :
MSVOA_D
ClientSampleId :

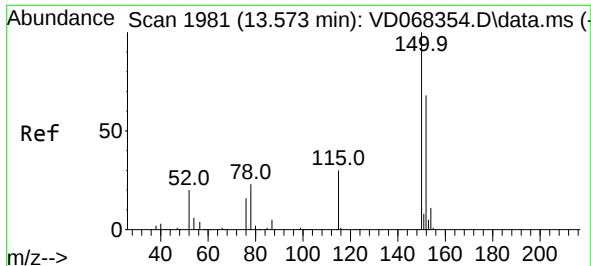
Tgt Ion: 95 Resp: 284519
Ion Ratio Lower Upper
95 100
174 80.8 0.0 172.4
176 77.8 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

Tgt Ion: 117 Resp: 658131
Ion Ratio Lower Upper
117 100
82 54.3 41.4 62.0
119 31.3 26.1 39.1

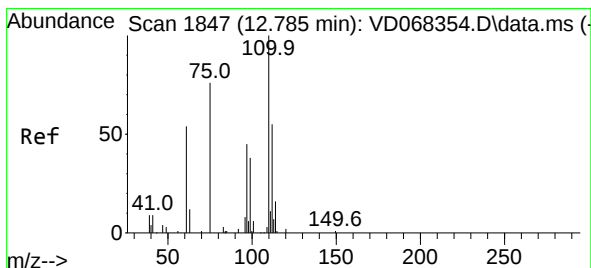
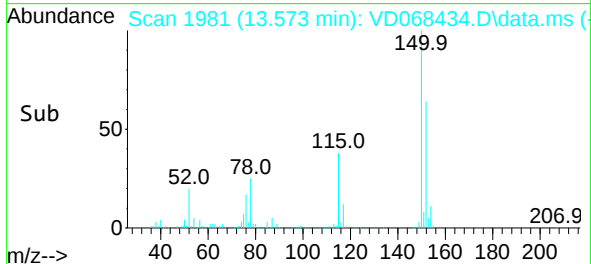
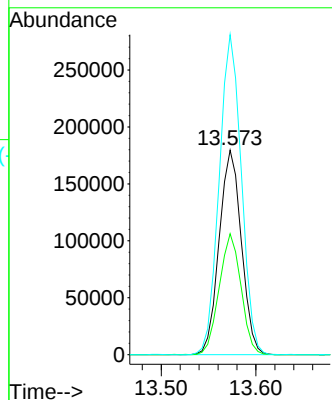
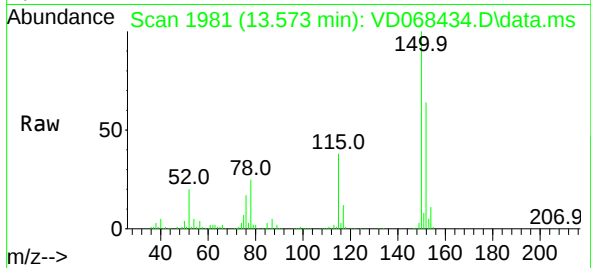




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

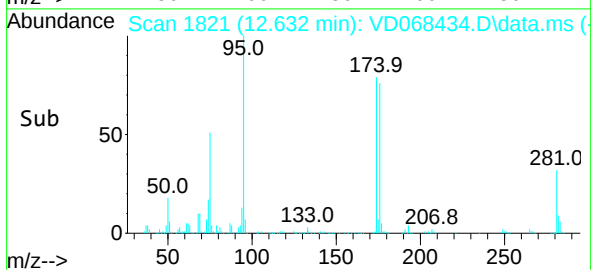
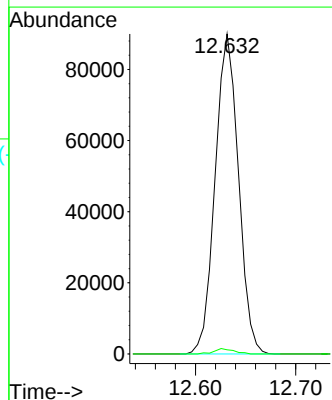
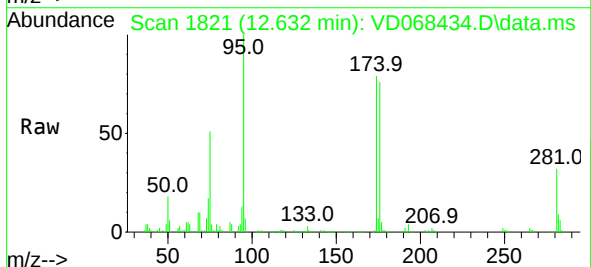
Instrument :
MSVOA_D
ClientSampled :

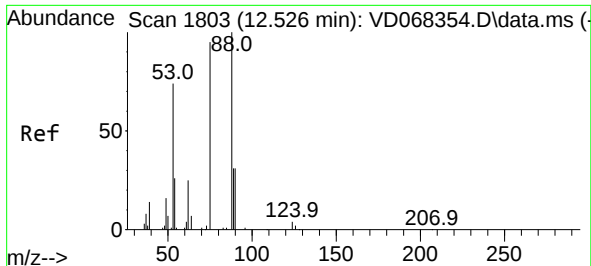
Tgt Ion:152 Resp: 292936
Ion Ratio Lower Upper
152 100
115 58.0 28.9 86.8
150 156.2 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 52.10 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

Tgt Ion: 75 Resp: 145224
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

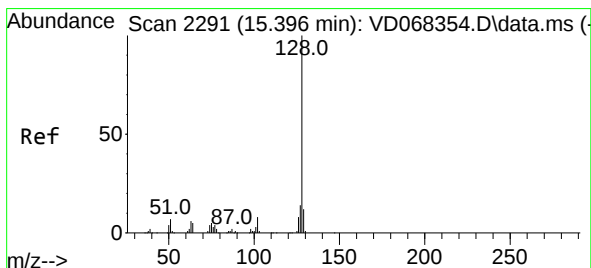
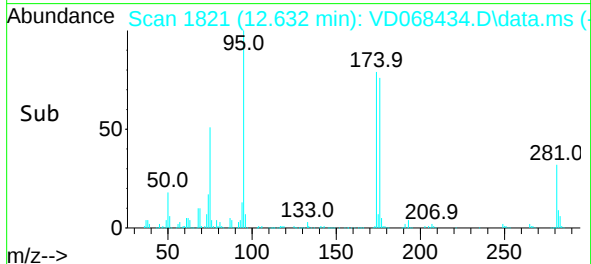
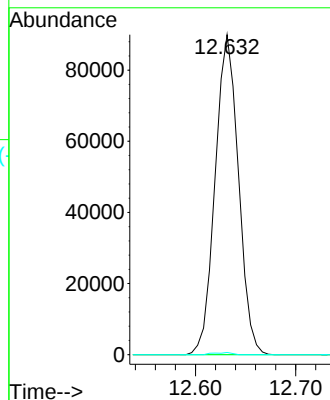
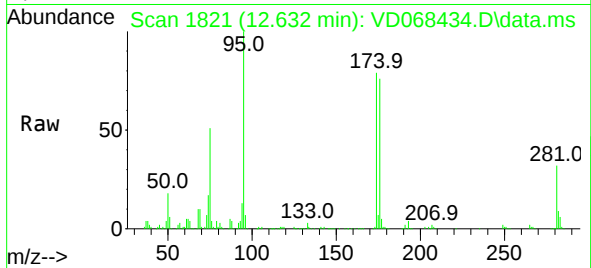




#81
trans-1,4-Dichloro-2-butene
Concen: 130.59 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 145224
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.5 40.3 60.5#



#95
Naphthalene
Concen: 18.39 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.000 min
Lab File: VD068434.D
Acq: 24 Feb 2021 13:46

Tgt Ion:128 Resp: 179558
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 11.2 8.8 13.2

