

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030821\
 Data File : VD068564.D
 Acq On : 08 Mar 2021 17:06
 Operator : VA/SY
 Sample : M1601-01
 Misc : 5.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BIN-3

Quant Time: Mar 09 00:11:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	309581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	552022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	540042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	251738	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	166068	53.69	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.38%
35) Dibromofluoromethane	7.920	113	169660	51.02	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.04%
50) Toluene-d8	10.343	98	703965	53.15	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.30%
62) 4-Bromofluorobenzene	12.632	95	229877	53.85	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.70%

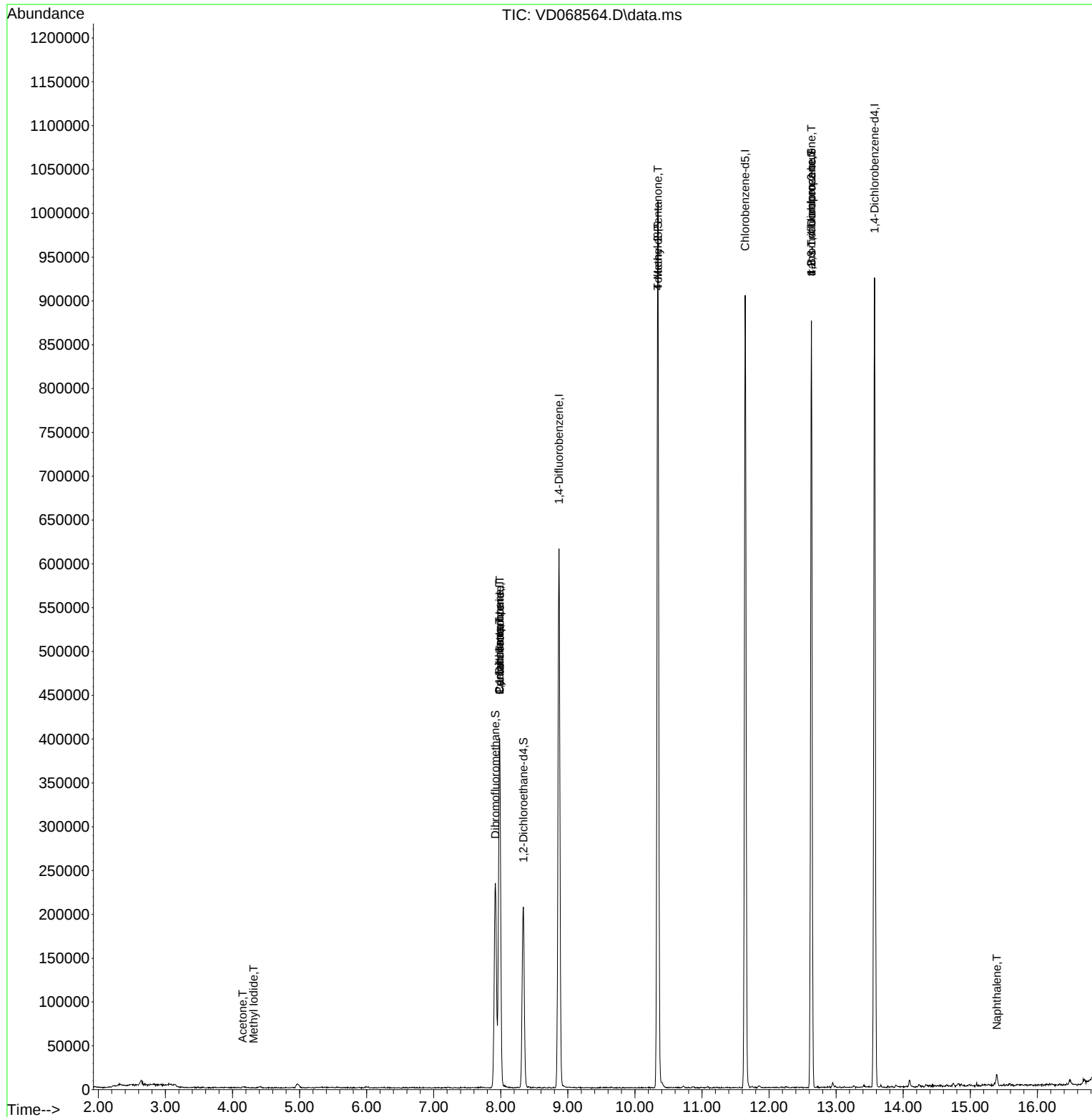
Target Compounds						Qvalue
10) Methyl Iodide	4.314	142	55	2.63	ug/l #	38
16) Acetone	4.150	43	920	1.87	ug/l	98
20) Methylene Chloride	4.979	84	3851	Below Cal	#	86
31) Cyclohexane	7.979	56	6275	1.12	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	23391	4.46	ug/l #	46
38) Carbon Tetrachloride	7.985	117	31219	6.33	ug/l #	16
51) 4-Methyl-2-Pentanone	10.343	43	2459	1.47	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	114638	51.30	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	114638	119.71	ug/l #	14
95) Naphthalene	15.396	128	11441	1.16	ug/l	97

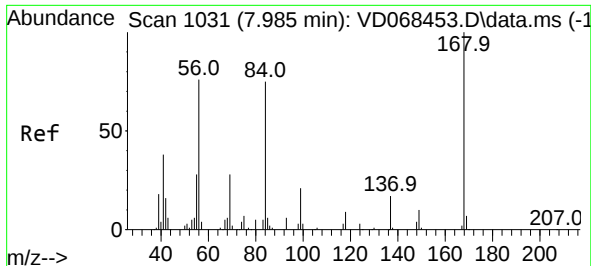
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030821\
Data File : VD068564.D
Acq On : 08 Mar 2021 17:06
Operator : VA/SY
Sample : M1601-01
Misc : 5.24G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BIN-3

Quant Time: Mar 09 00:11:59 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 26 14:04:14 2021
Response via : Initial Calibration

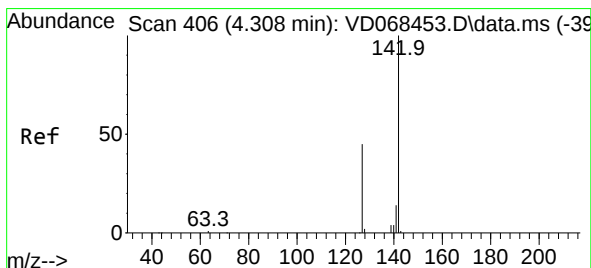
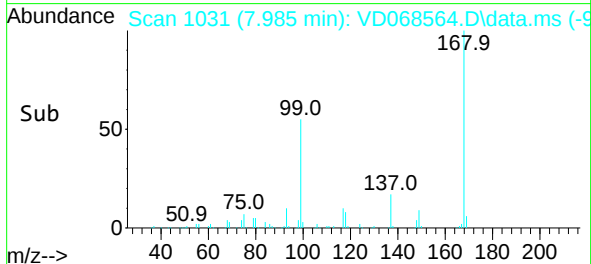
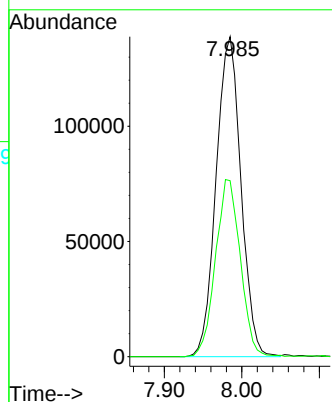
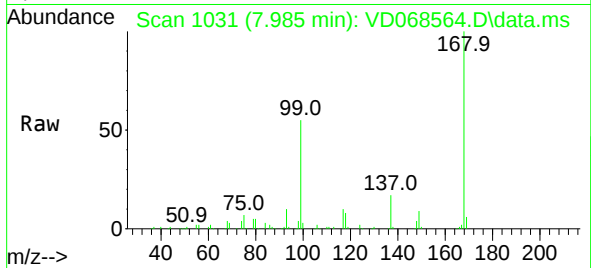




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

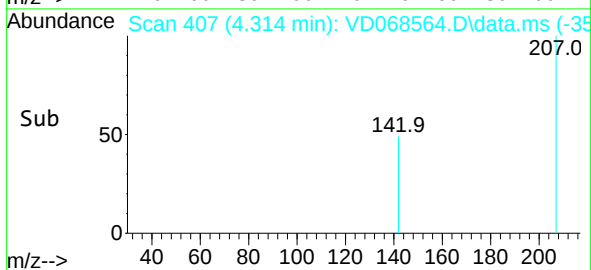
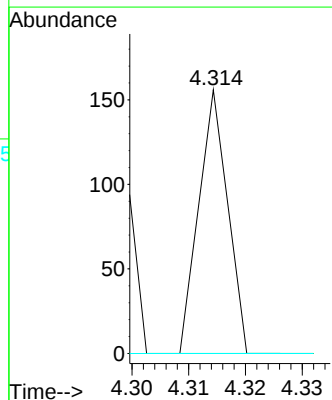
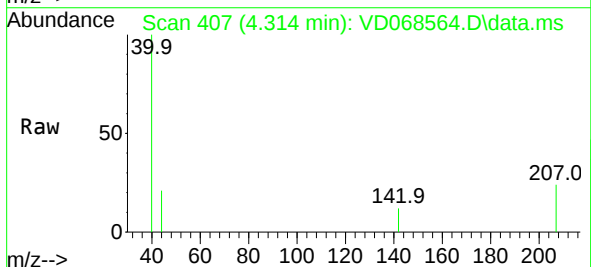
Instrument :
MSVOA_D
ClientSampled :
BIN-3

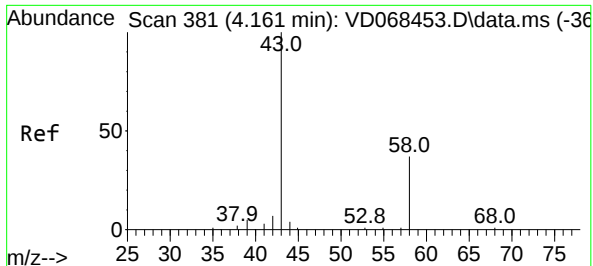
Tgt Ion:168 Resp: 309581
Ion Ratio Lower Upper
168 100
99 55.0 43.5 65.3



#10
Methyl Iodide
Concen: 2.63 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.006 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

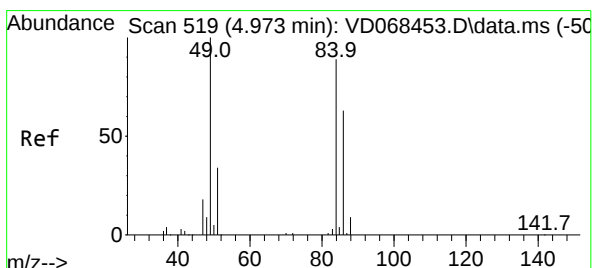
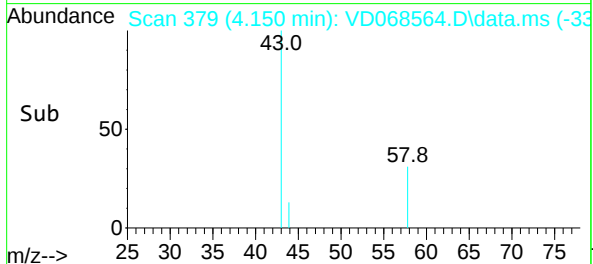
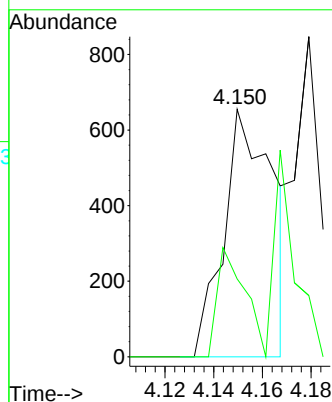
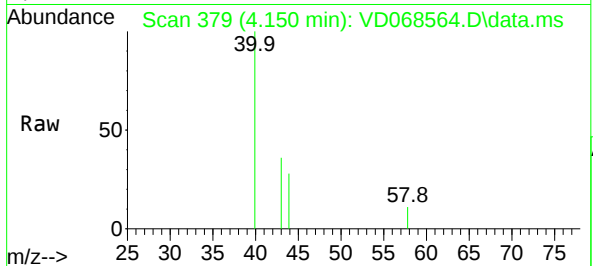




#16
Acetone
Concen: 1.87 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

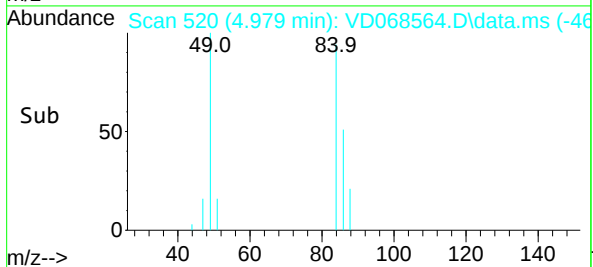
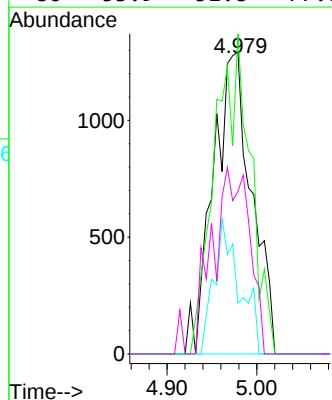
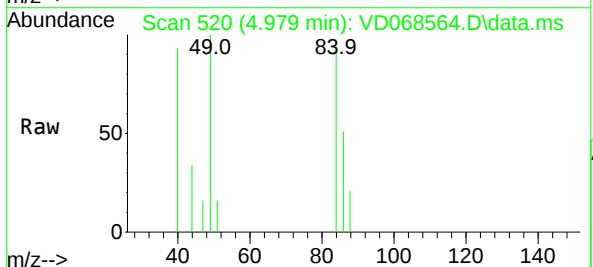
Instrument :
MSVOA_D
ClientSampled :
BIN-3

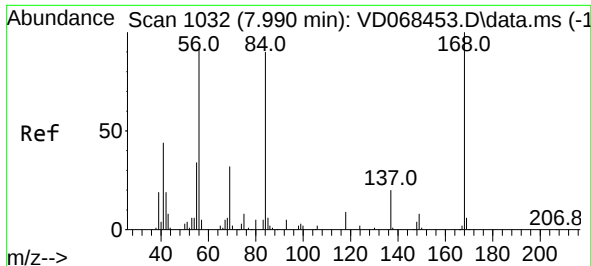
Tgt Ion: 43 Resp: 920
Ion Ratio Lower Upper
43 100
58 31.5 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.006 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

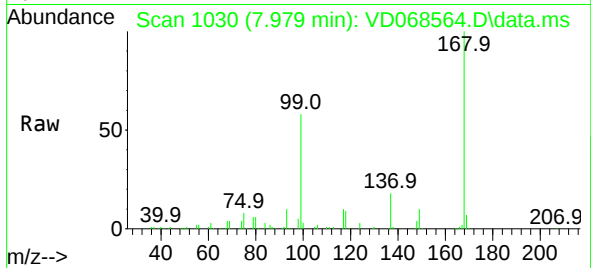
Tgt Ion: 84 Resp: 3851
Ion Ratio Lower Upper
84 100
49 106.0 77.4 116.2
51 16.9 26.1 39.1#
86 53.9 51.8 77.8



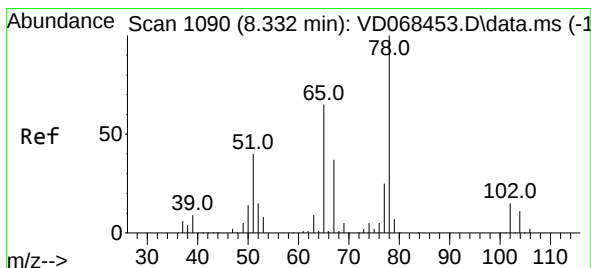
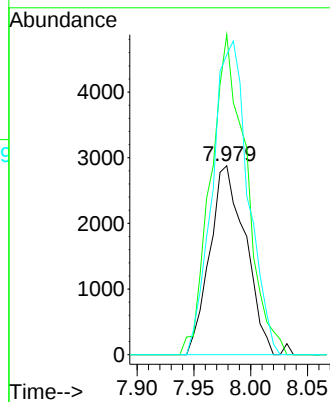
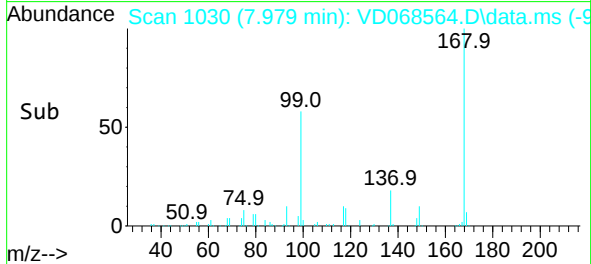


#31
Cyclohexane
Concen: 1.12 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

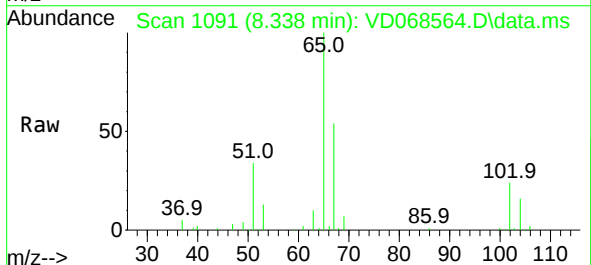
Instrument :
MSVOA_D
ClientSampleId :
BIN-3



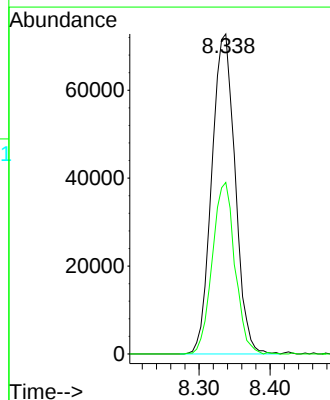
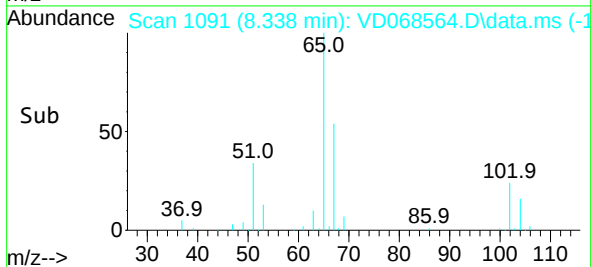
Tgt Ion: 56 Resp: 6275
Ion Ratio Lower Upper
56 100
69 169.4 30.1 45.1#
84 158.8 82.1 123.1#

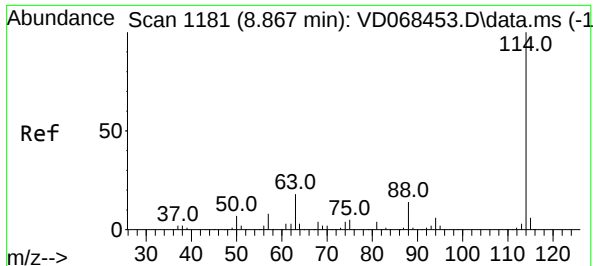


#33
1,2-Dichloroethane-d4
Concen: 53.69 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06



Tgt Ion: 65 Resp: 166068
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.0

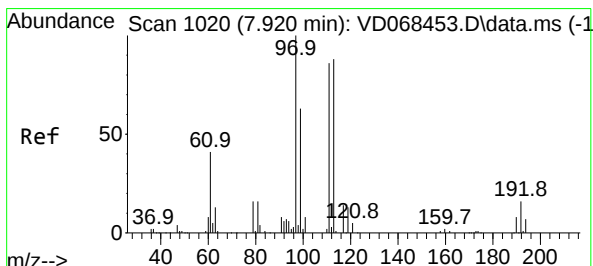
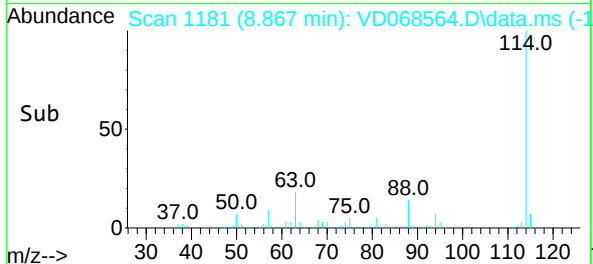
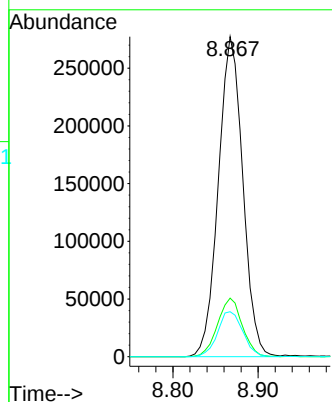
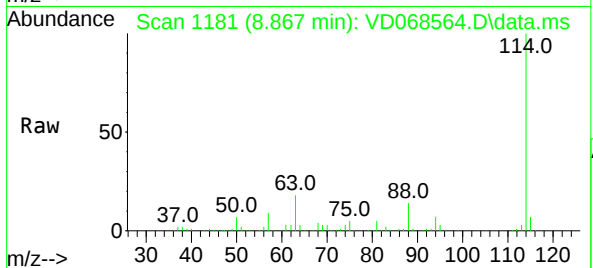




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

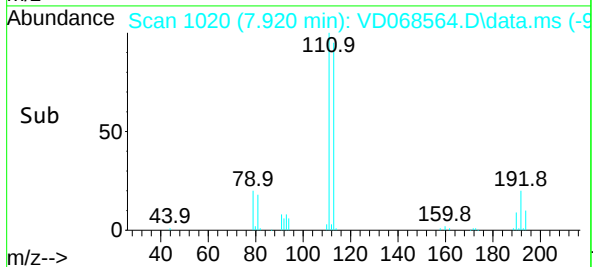
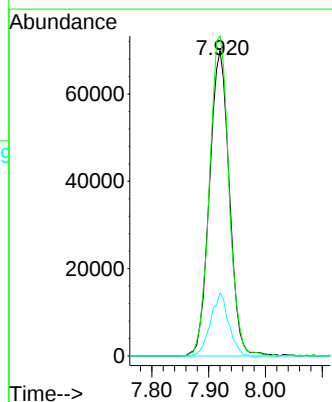
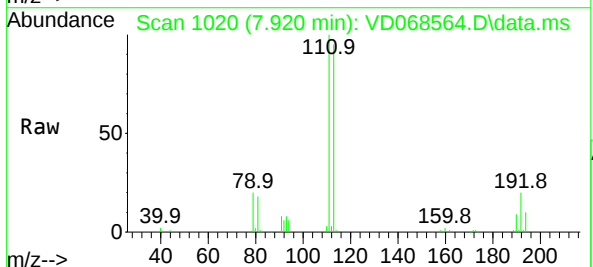
Instrument :
MSVOA_D
ClientSampled :
BIN-3

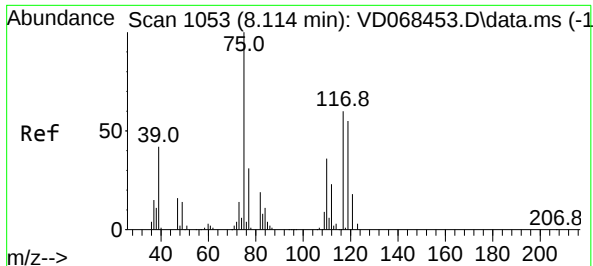
Tgt Ion:114 Resp: 552022
Ion Ratio Lower Upper
114 100
63 18.3 0.0 34.8
88 14.0 0.0 31.6



#35
Dibromofluoromethane
Concen: 51.02 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

Tgt Ion:113 Resp: 169660
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.0
192 18.8 16.1 24.1

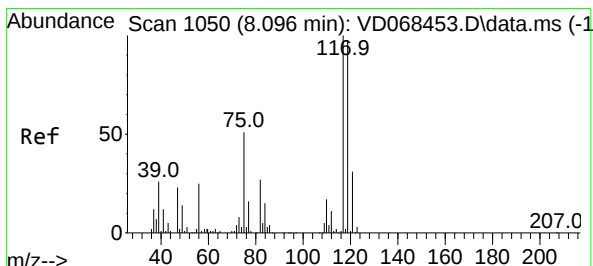
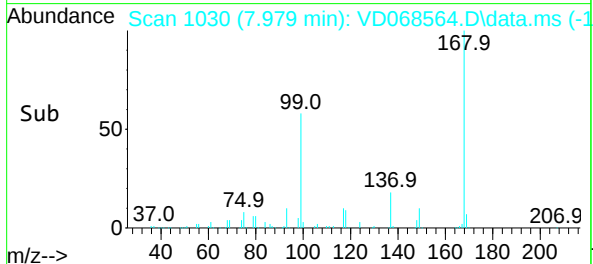
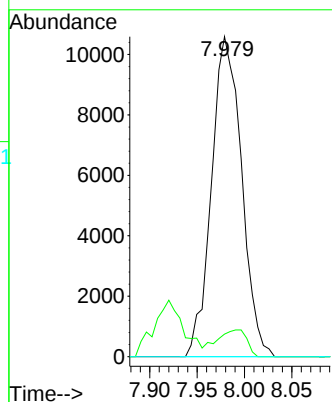
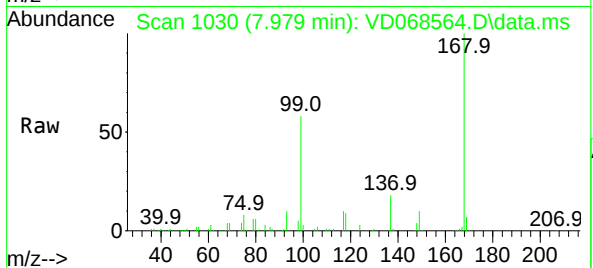




#36
1,1-Dichloropropene
Concen: 4.46 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

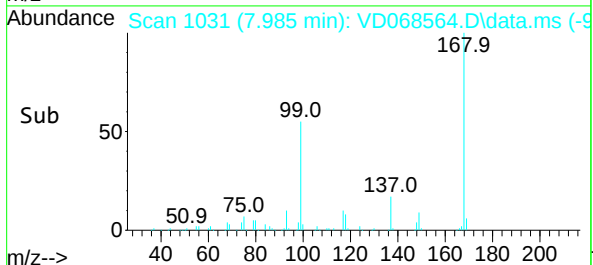
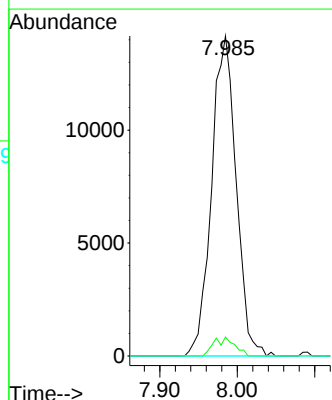
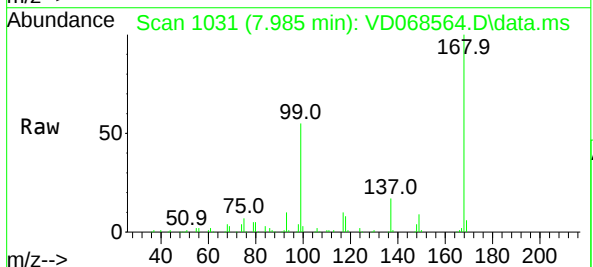
Instrument :
MSVOA_D
ClientSampled :
BIN-3

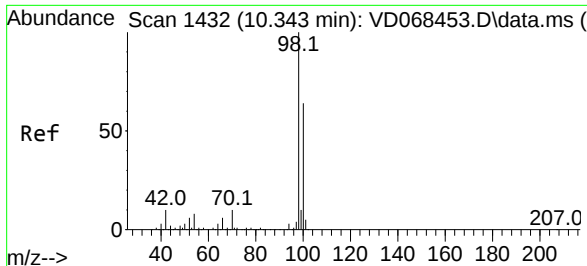
Tgt Ion: 75 Resp: 23391
Ion Ratio Lower Upper
75 100
110 7.1 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.33 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

Tgt Ion: 117 Resp: 31219
Ion Ratio Lower Upper
117 100
119 5.9 77.3 115.9#
121 0.0 24.7 37.1#

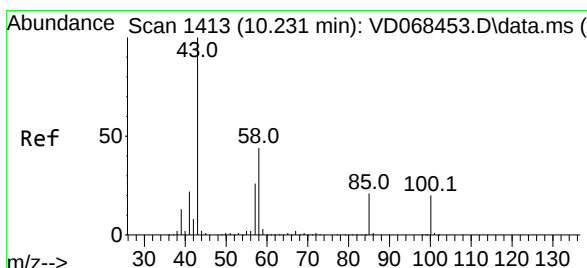
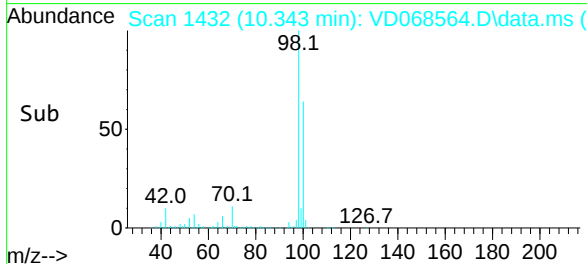
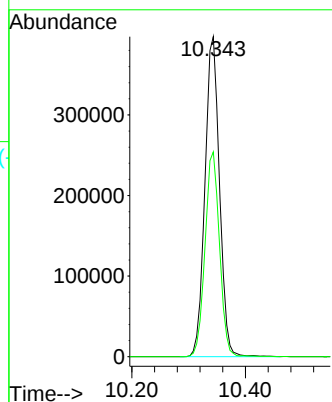
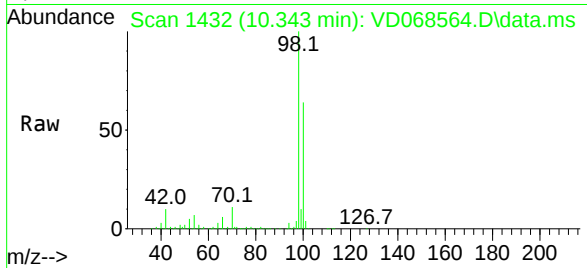




#50
Toluene-d8
Concen: 53.15 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

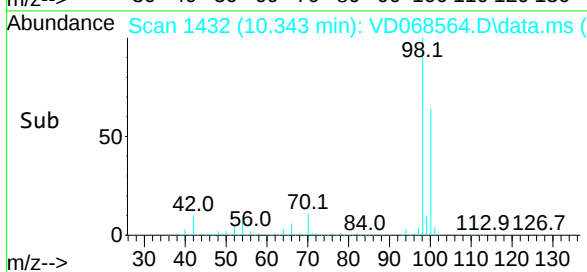
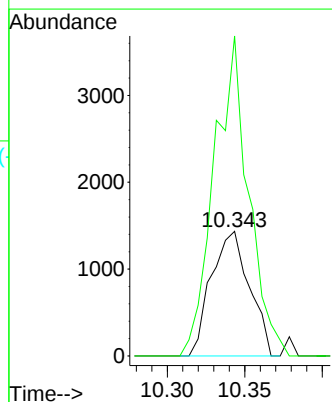
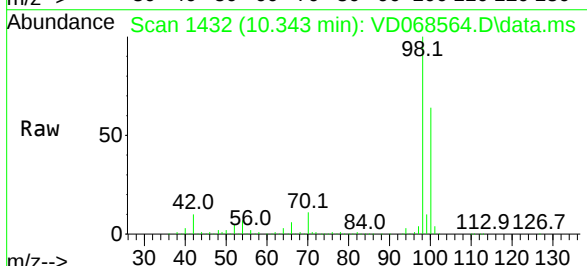
Instrument :
MSVOA_D
ClientSampled :
BIN-3

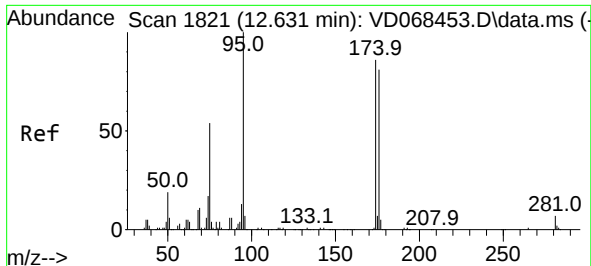
Tgt Ion: 98 Resp: 703965
Ion Ratio Lower Upper
98 100
100 63.7 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.47 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.112 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

Tgt Ion: 43 Resp: 2459
Ion Ratio Lower Upper
43 100
58 231.4 36.1 54.1#

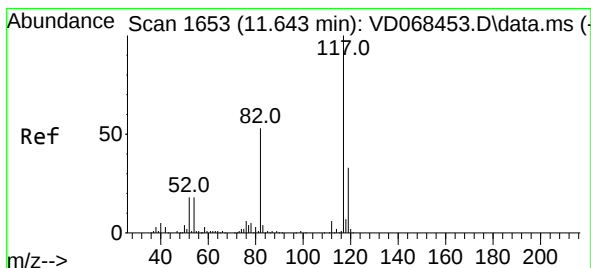
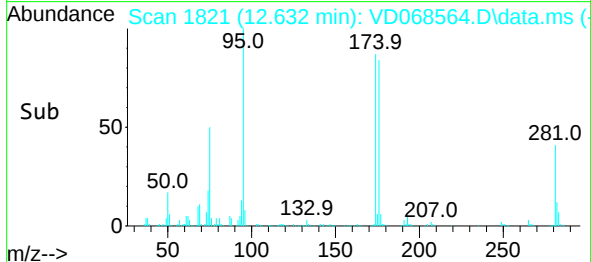
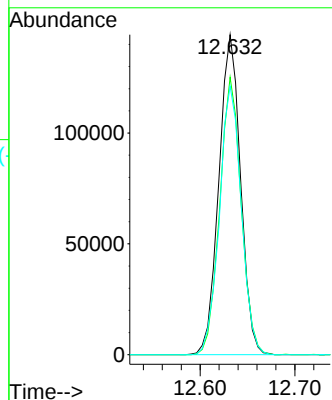
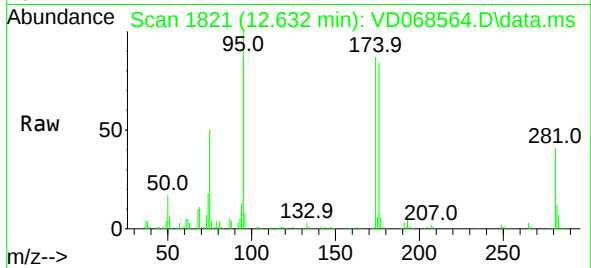




#62
4-Bromofluorobenzene
Concen: 53.85 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

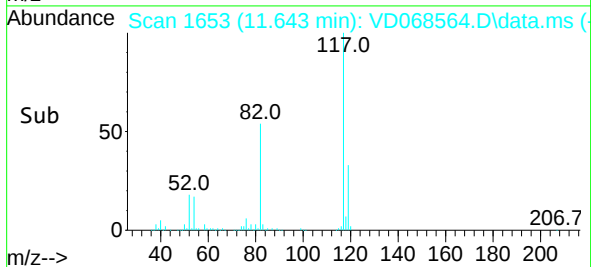
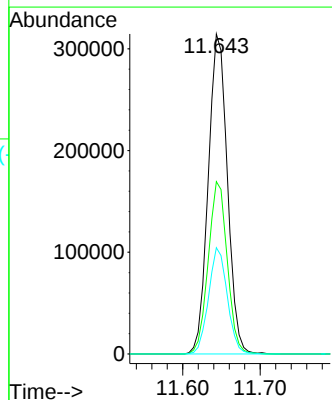
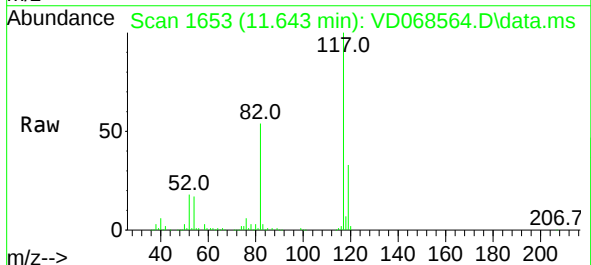
Instrument :
MSVOA_D
ClientSampled :
BIN-3

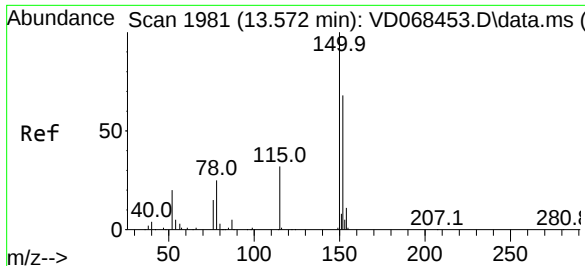
Tgt Ion: 95 Resp: 229877
Ion Ratio Lower Upper
95 100
174 85.6 0.0 172.4
176 84.4 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

Tgt Ion: 117 Resp: 540042
Ion Ratio Lower Upper
117 100
82 53.8 41.4 62.0
119 33.2 26.1 39.1

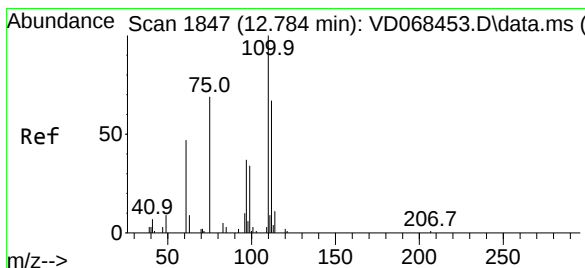
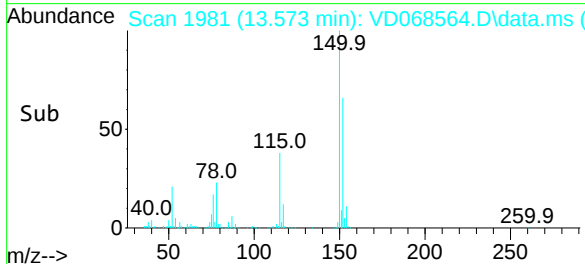
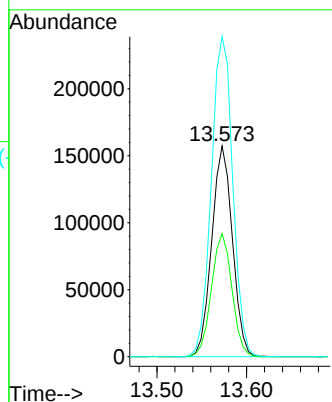
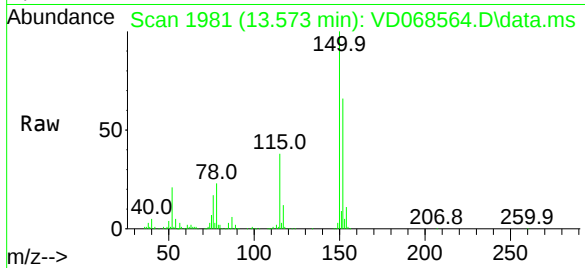




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.001 min
 Lab File: VD068564.D
 Acq: 08 Mar 2021 17:06

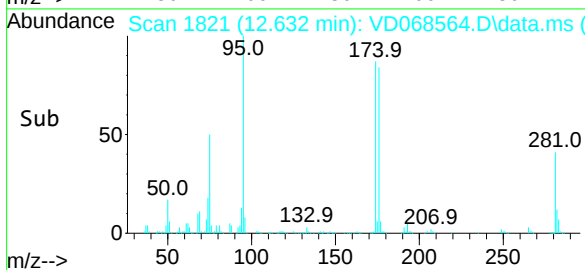
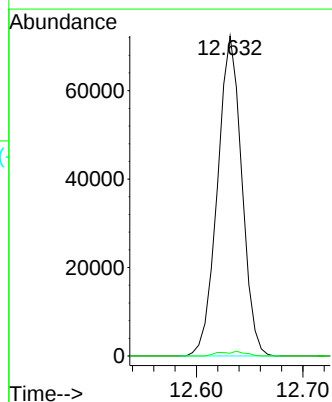
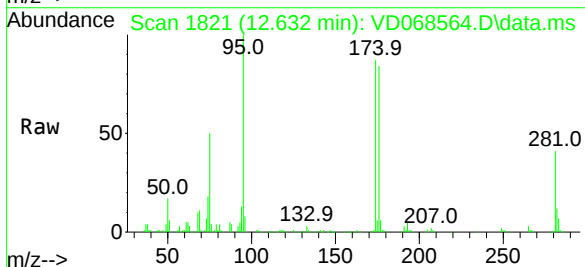
Instrument :
 MSVOA_D
 ClientSampled :
 BIN-3

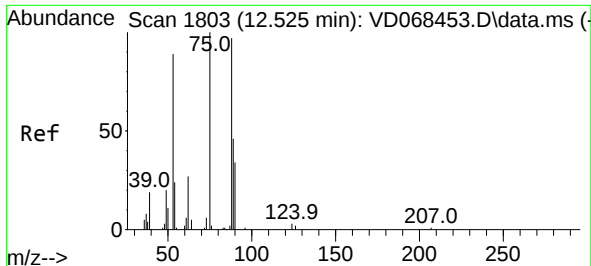
Tgt Ion:152 Resp: 251738
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.9 86.8
 150 157.2 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 51.30 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.152 min
 Lab File: VD068564.D
 Acq: 08 Mar 2021 17:06

Tgt Ion: 75 Resp: 114638
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

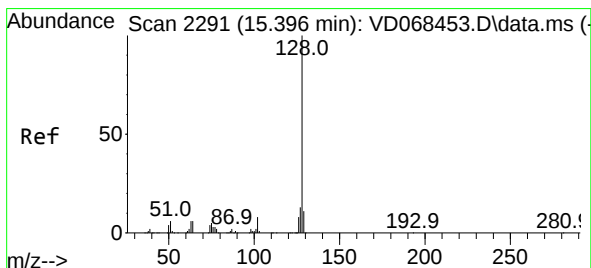
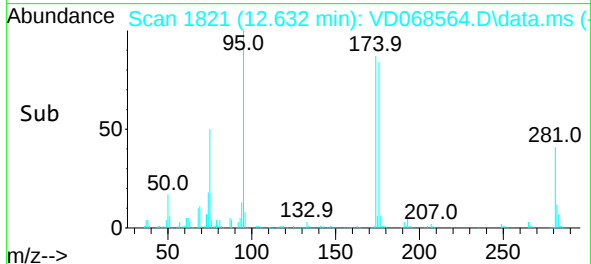
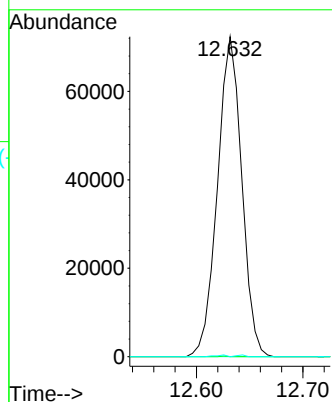
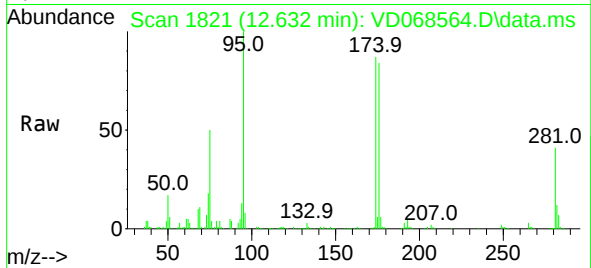




#81
trans-1,4-Dichloro-2-butene
Concen: 119.71 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

Instrument :
MSVOA_D
ClientSampled :
BIN-3

Tgt Ion: 75 Resp: 114638
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.2 40.3 60.5#



#95
Naphthalene
Concen: 1.16 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068564.D
Acq: 08 Mar 2021 17:06

Tgt Ion: 128 Resp: 11441
Ion Ratio Lower Upper
128 100
127 10.2 10.2 15.2
129 11.0 8.8 13.2

