

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070634.D
 Acq On : 08 Oct 2021 12:59
 Operator : VA/SY
 Sample : M4113-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 02:22:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

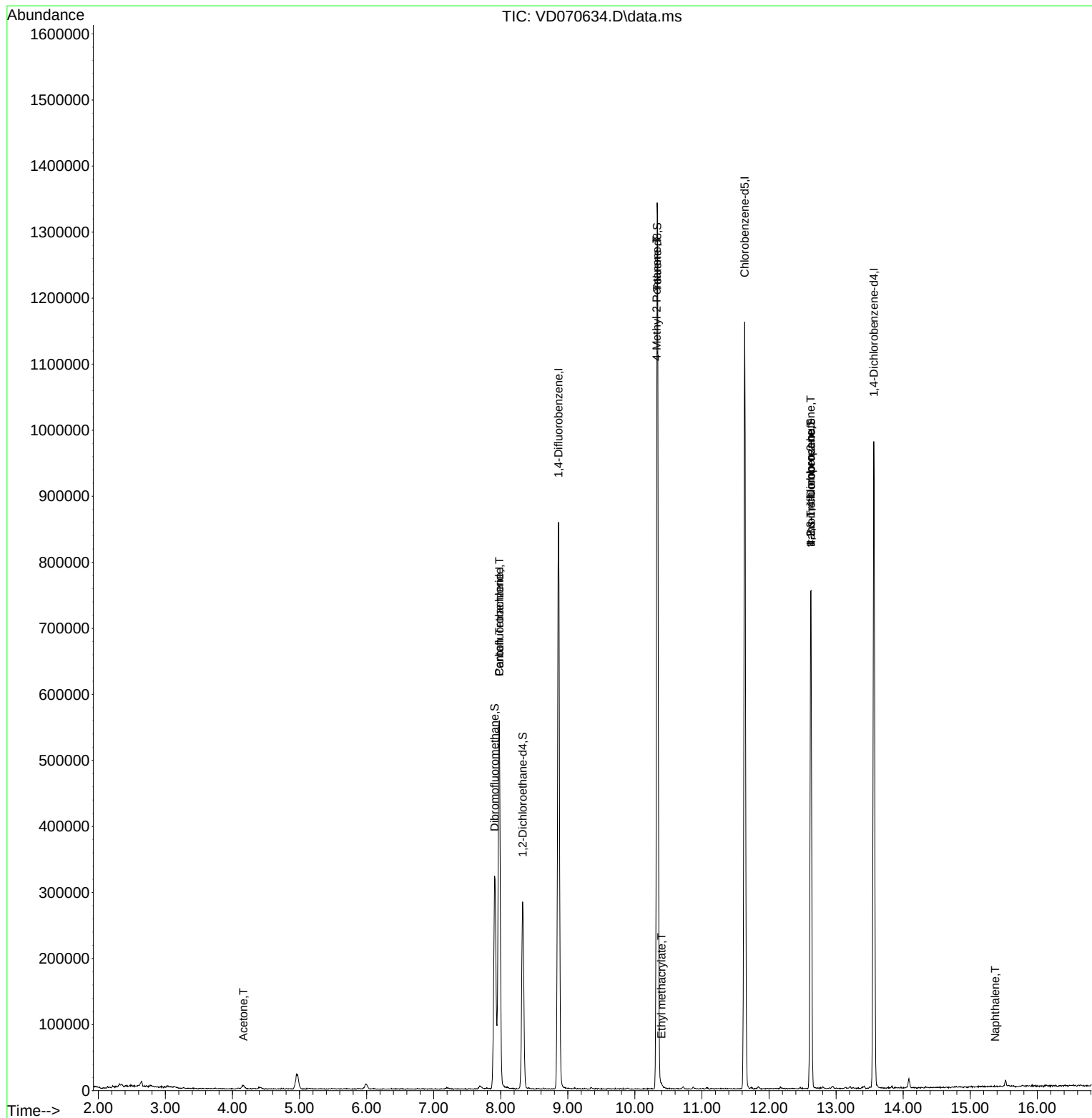
Internal Standards						
1) Pentafluorobenzene	7.979	168	392383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	748938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	679836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	265098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	221712	48.012	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.020%		
35) Dibromofluoromethane	7.909	113	240840	48.368	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.740%		
50) Toluene-d8	10.332	98	951332	49.977	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.960%		
62) 4-Bromofluorobenzene	12.626	95	272079	42.766	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	85.540%		
Target Compounds						
5) Bromomethane	2.779	94	1673	Below Cal	#	44
16) Acetone	4.162	43	9273	11.825	ug/l	88
20) Methylene Chloride	4.973	84	19240	Below Cal	#	87
38) Carbon Tetrachloride	7.979	117	44659	5.365	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.326	43	2988	1.196	ug/l	# 1
56) Ethyl methacrylate	10.397	69	147	1.402	ug/l	# 21
59) 2-Hexanone	11.008	43	59	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.620	75	130713	54.477	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	130713	120.948	ug/l	# 17
95) Naphthalene	15.373	128	436	2.539	ug/l	# 69

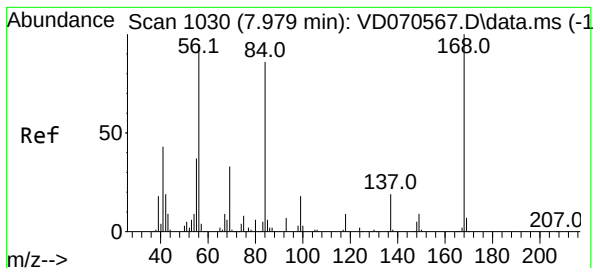
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 06 09:10:31 2021
Response via : Initial Calibration

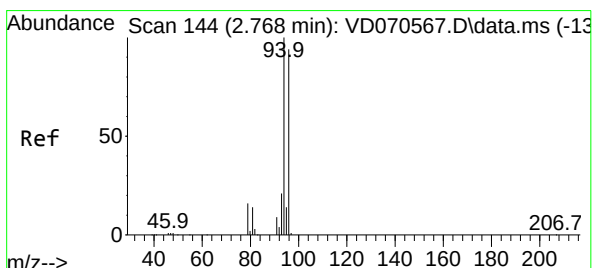
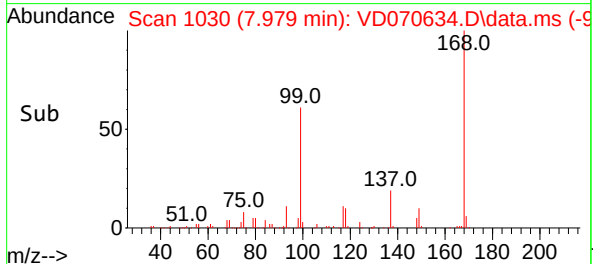
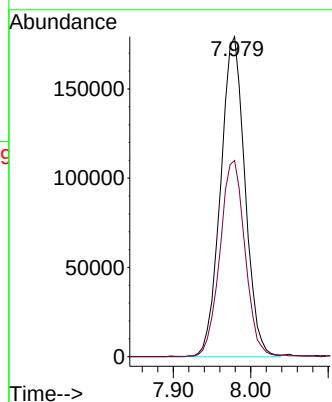
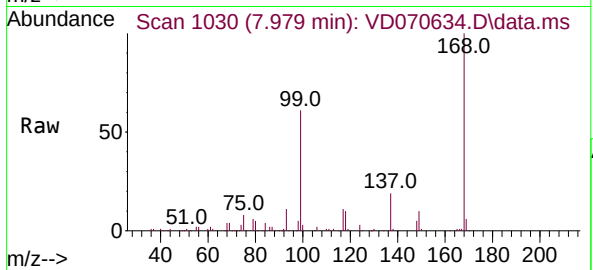




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070634.D
Acq: 08 Oct 2021 12:59

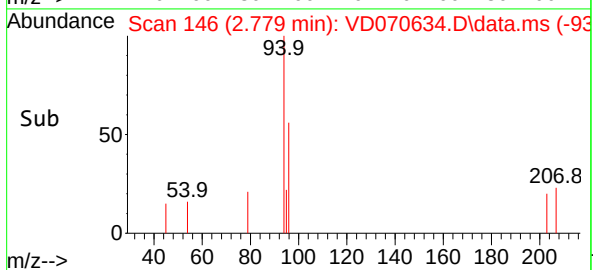
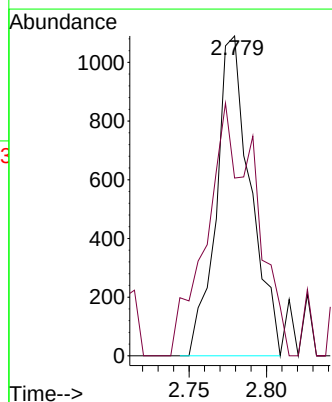
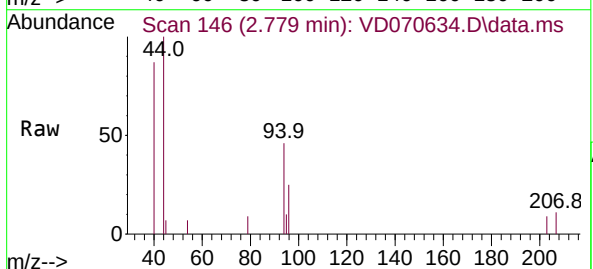
Instrument :
MSVOA_D
ClientSampleId :

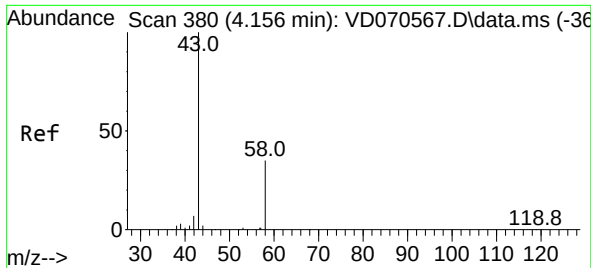
Tgt Ion:168 Resp: 392383
Ion Ratio Lower Upper
168 100
99 61.2 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD070634.D
Acq: 08 Oct 2021 12:59

Tgt Ion: 94 Resp: 1673
Ion Ratio Lower Upper
94 100
96 40.3 75.5 113.3#

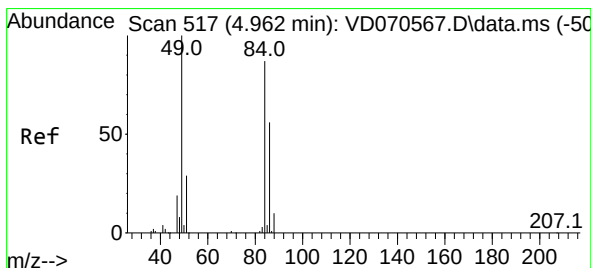
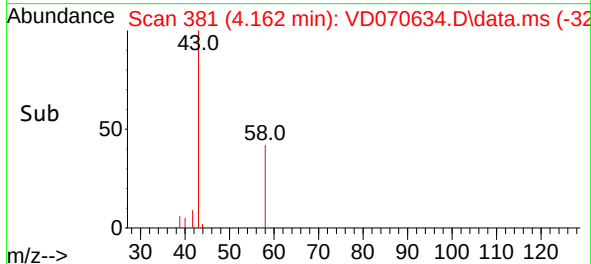
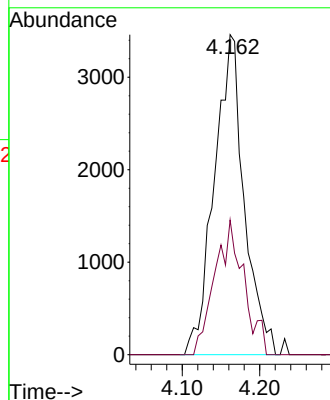
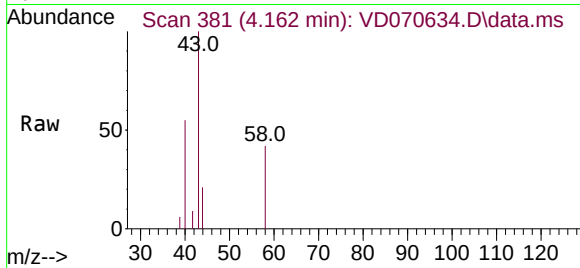




#16
Acetone
Concen: 11.825 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070634.D
Acq: 08 Oct 2021 12:59

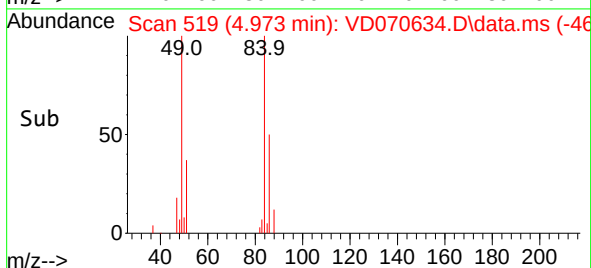
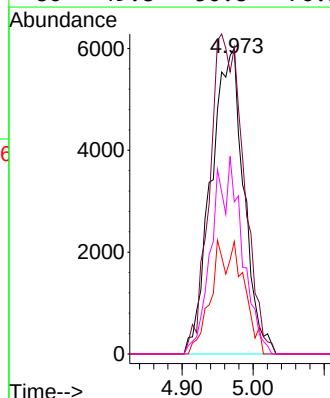
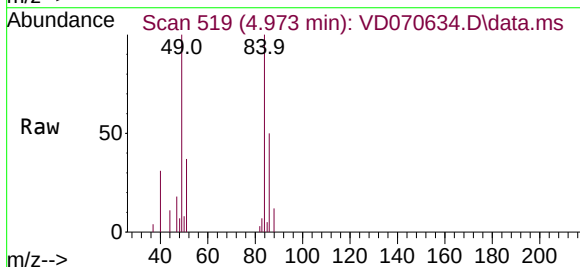
Instrument :
MSVOA_D
ClientSampled :

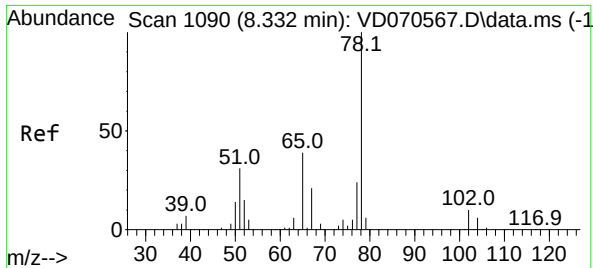
Tgt Ion: 43 Resp: 9273
Ion Ratio Lower Upper
43 100
58 42.1 28.2 42.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD070634.D
Acq: 08 Oct 2021 12:59

Tgt Ion: 84 Resp: 19240
Ion Ratio Lower Upper
84 100
49 100.2 91.4 137.2
51 36.8 26.7 40.1
86 49.8 50.8 76.2#

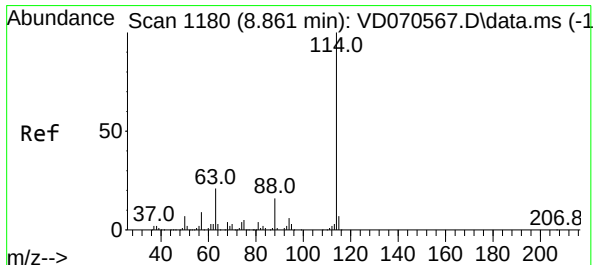
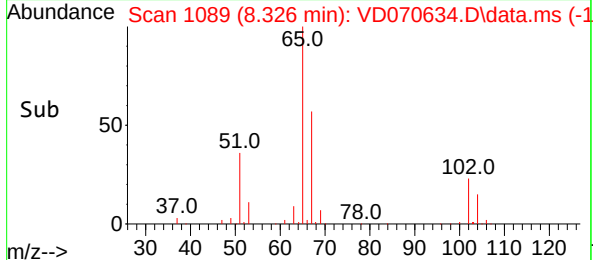
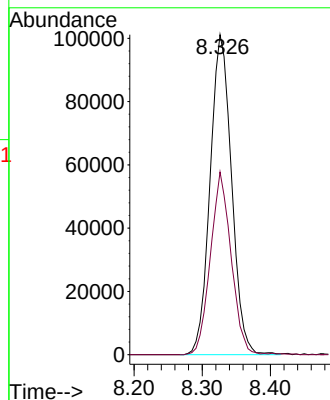
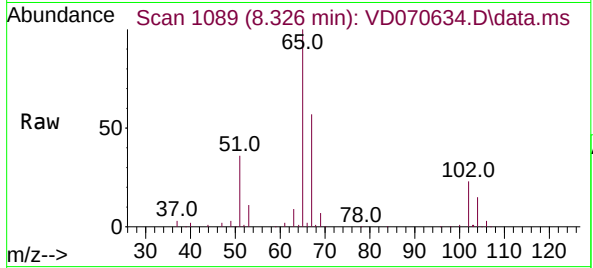




#33
 1,2-Dichloroethane-d4
 Concen: 48.012 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.006 min
 Lab File: VD070634.D
 Acq: 08 Oct 2021 12:59

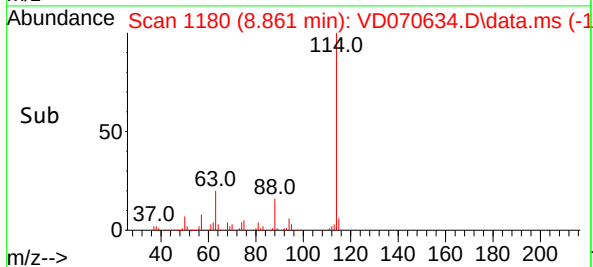
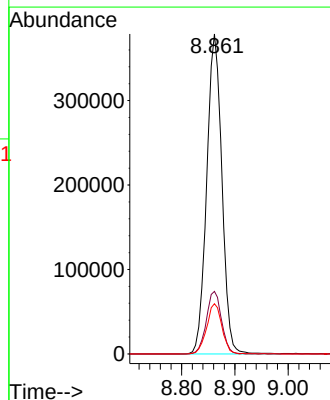
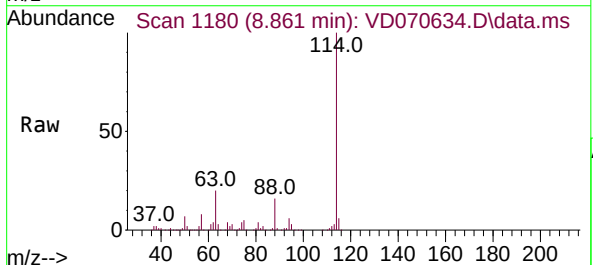
Instrument :
 MSVOA_D
 ClientSampleId :

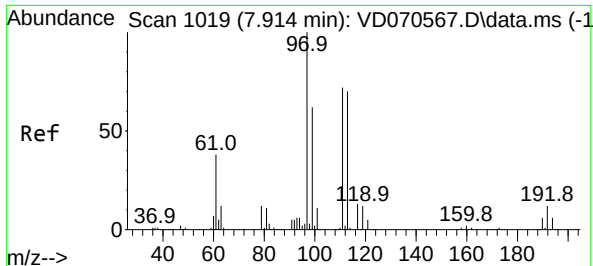
Tgt Ion: 65 Resp: 221712
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. 0.000 min
 Lab File: VD070634.D
 Acq: 08 Oct 2021 12:59

Tgt Ion:114 Resp: 748938
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.8
 88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.368 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070634.D

Acq: 08 Oct 2021 12:59

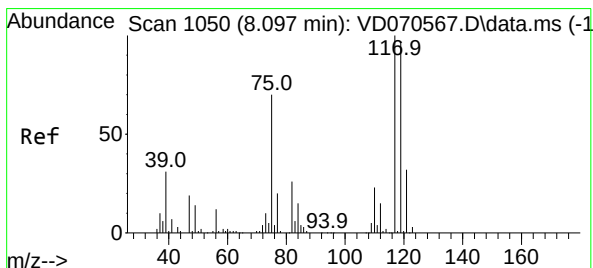
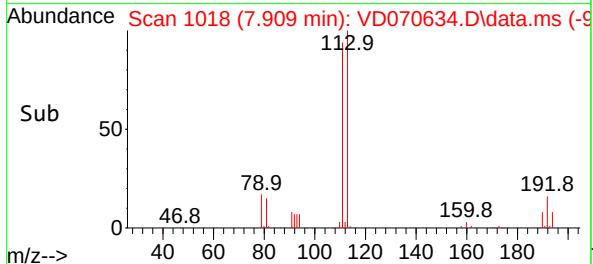
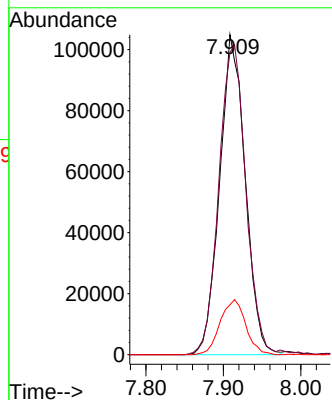
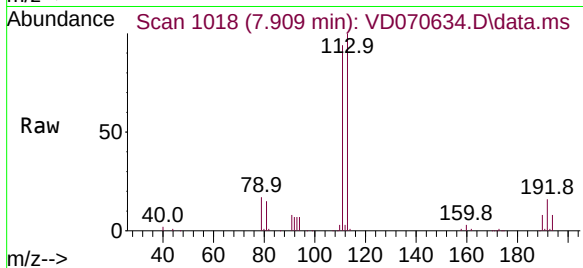
Tgt Ion:113 Resp: 240840

Ion Ratio Lower Upper

113 100

111 102.8 83.1 124.7

192 17.2 12.7 19.1



#38

Carbon Tetrachloride

Concen: 5.365 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD070634.D

Acq: 08 Oct 2021 12:59

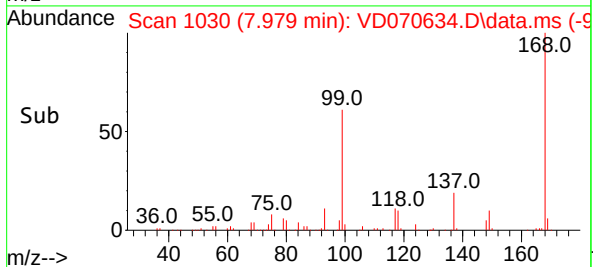
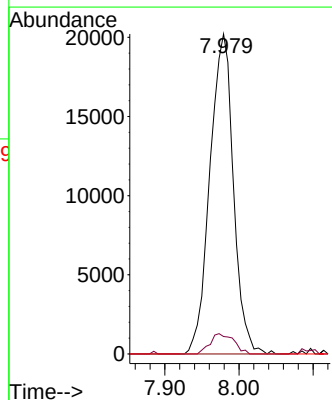
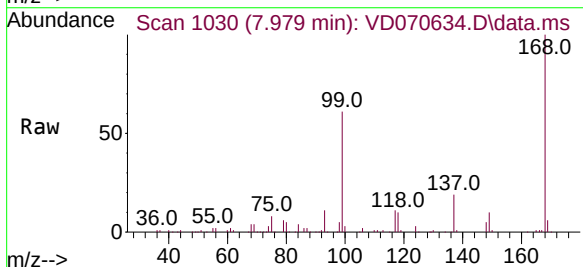
Tgt Ion:117 Resp: 44659

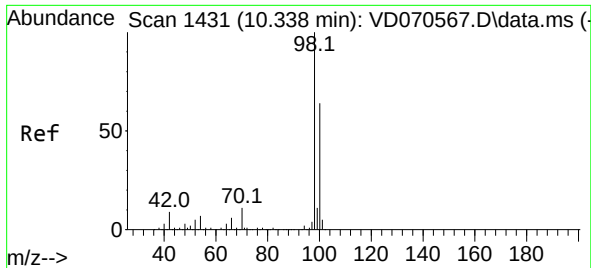
Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.0#

121 0.0 25.4 38.0#

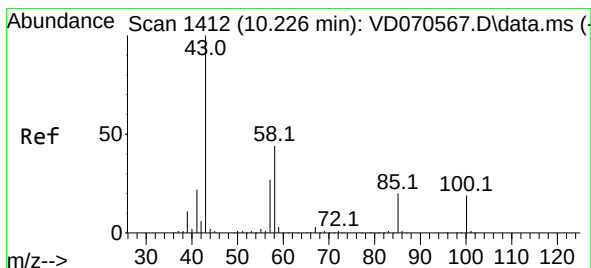
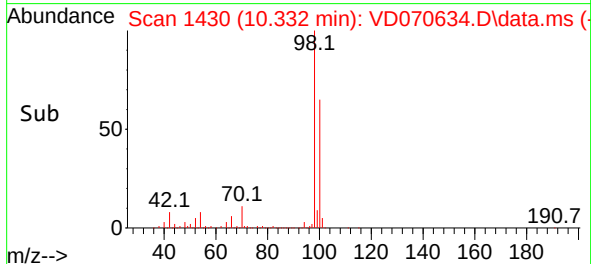
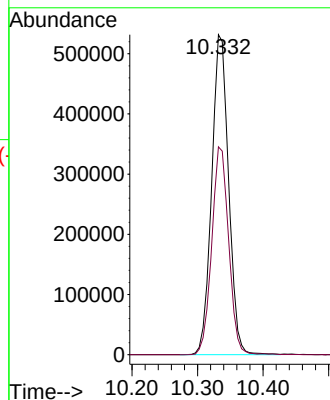
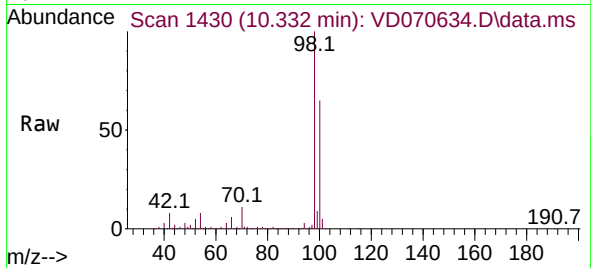




#50
Toluene-d8
Concen: 49.977 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070634.D
Acq: 08 Oct 2021 12:59

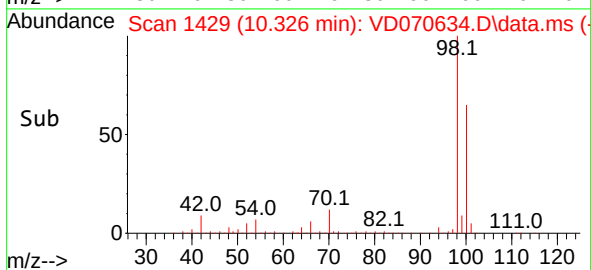
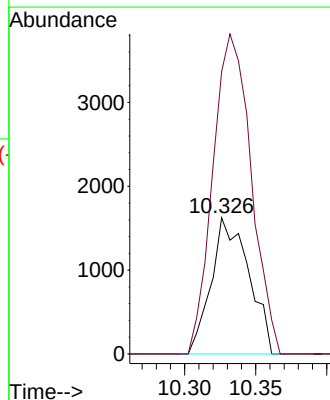
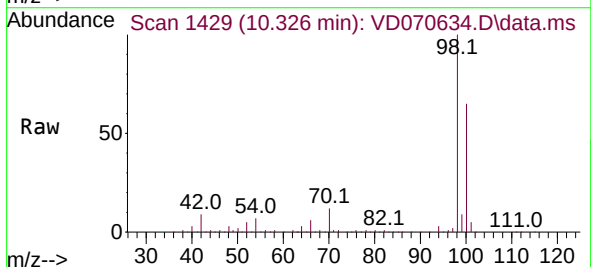
Instrument :
MSVOA_D
ClientSampled :

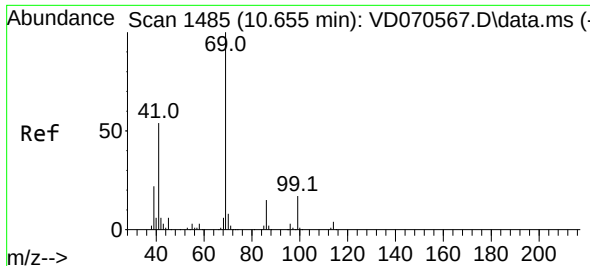
Tgt Ion: 98 Resp: 951332
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.196 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.100 min
Lab File: VD070634.D
Acq: 08 Oct 2021 12:59

Tgt Ion: 43 Resp: 2988
Ion Ratio Lower Upper
43 100
58 239.8 35.0 52.6#

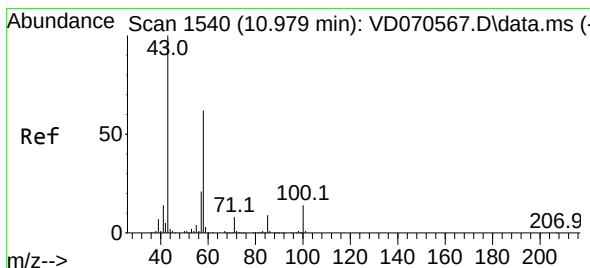
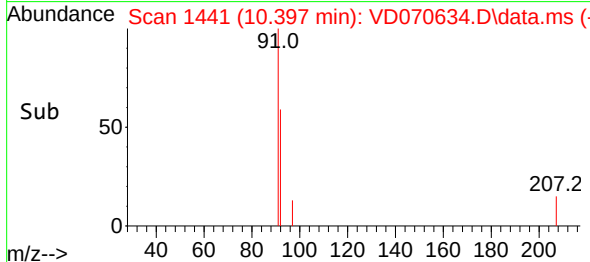
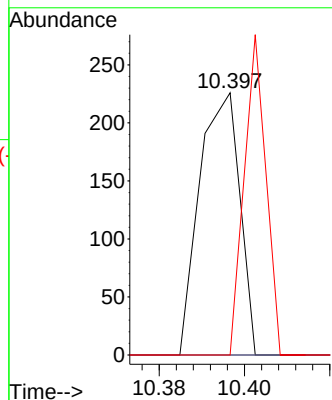
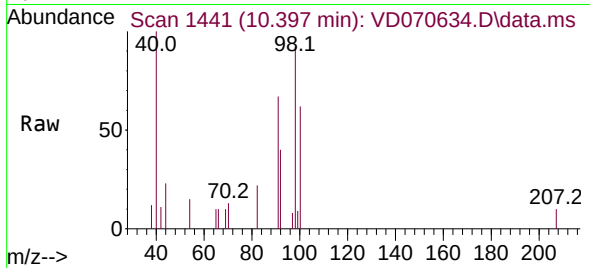




#56
Ethyl methacrylate
Concen: 1.402 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.258 min
Lab File: VD070634.D
Acq: 08 Oct 2021 12:59

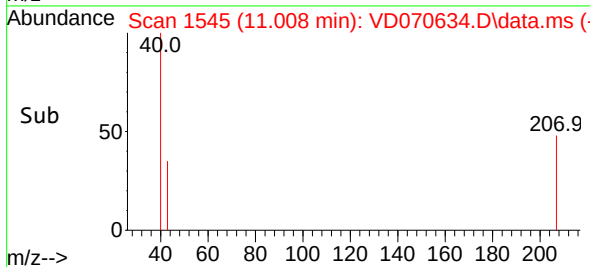
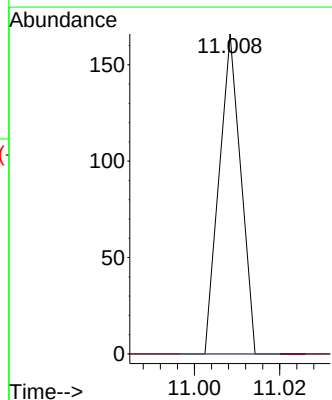
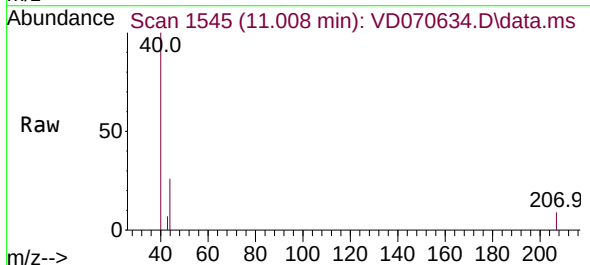
Instrument :
MSVOA_D
ClientSampleId :

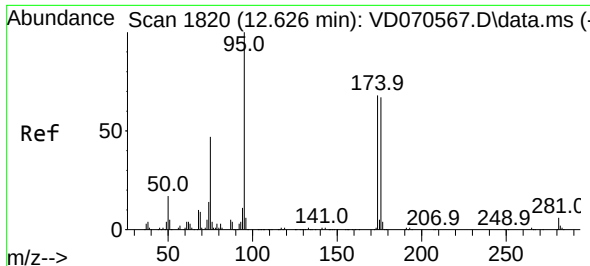
Tgt Ion: 69 Resp: 147
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 66.0 19.5 29.3#



#59
2-Hexanone
Concen: Below Cal
RT: 11.008 min Scan# 1545
Delta R.T. 0.029 min
Lab File: VD070634.D
Acq: 08 Oct 2021 12:59

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

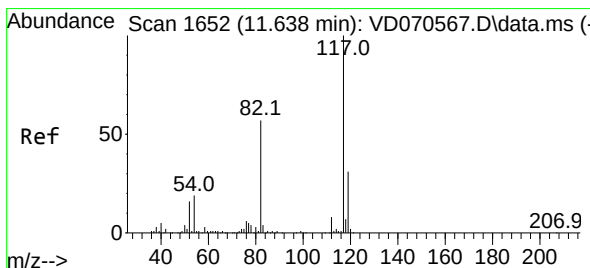
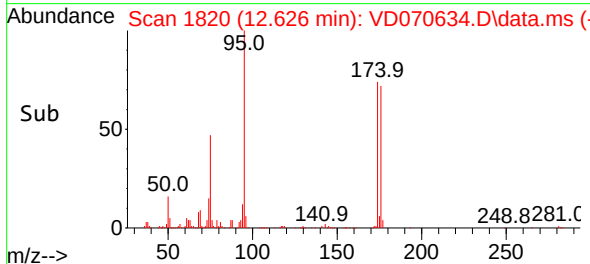
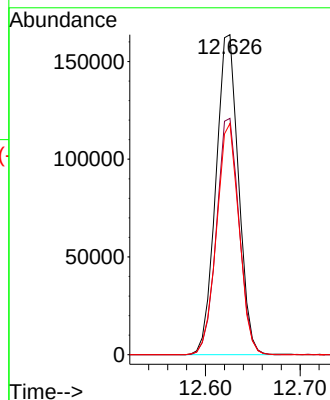
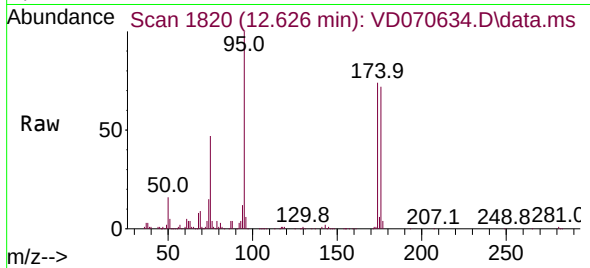




#62
4-Bromofluorobenzene
Concen: 42.766 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070634.D
Acq: 08 Oct 2021 12:59

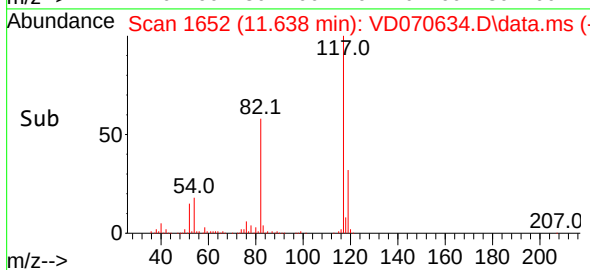
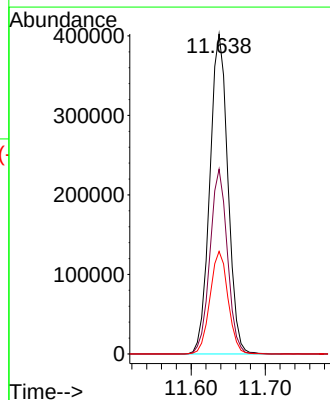
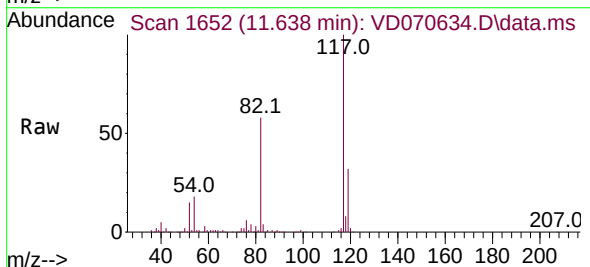
Instrument :
MSVOA_D
ClientSampleId :

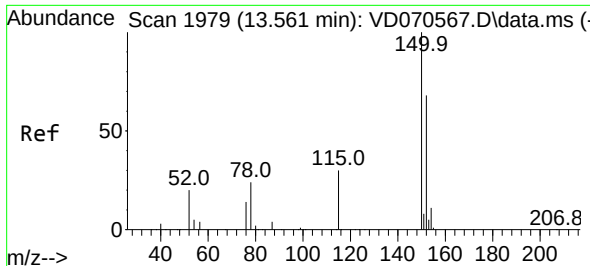
Tgt Ion: 95 Resp: 272079
Ion Ratio Lower Upper
95 100
174 73.9 0.0 138.0
176 71.7 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070634.D
Acq: 08 Oct 2021 12:59

Tgt Ion: 117 Resp: 679836
Ion Ratio Lower Upper
117 100
82 57.8 45.4 68.2
119 32.0 24.7 37.1

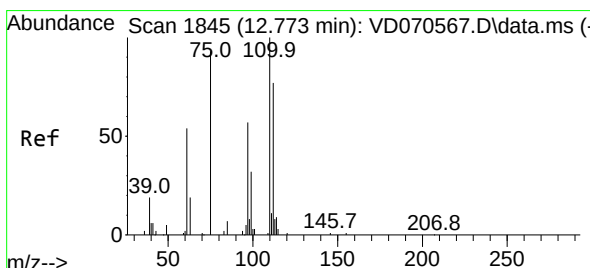
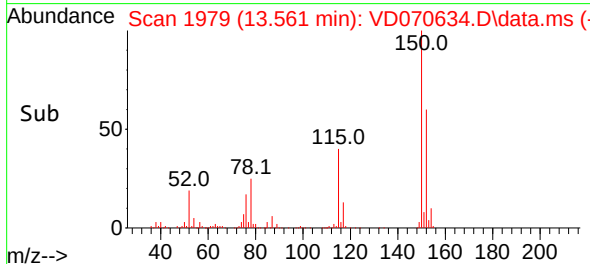
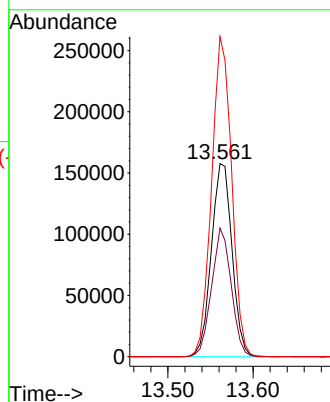
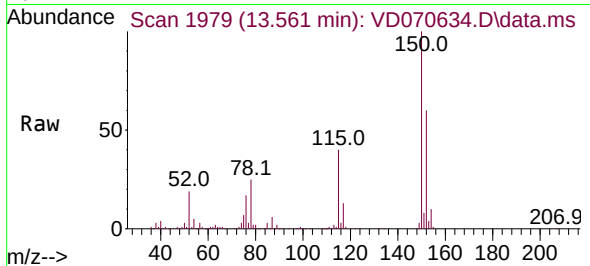




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070634.D
Acq: 08 Oct 2021 12:59

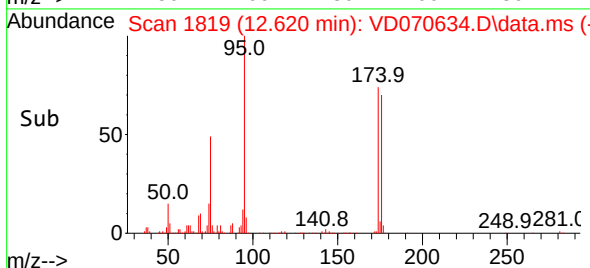
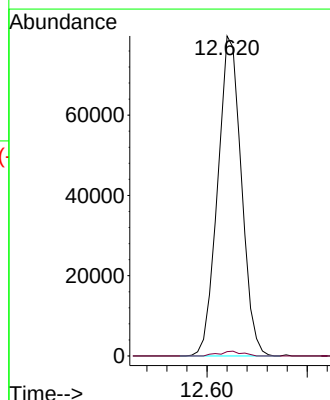
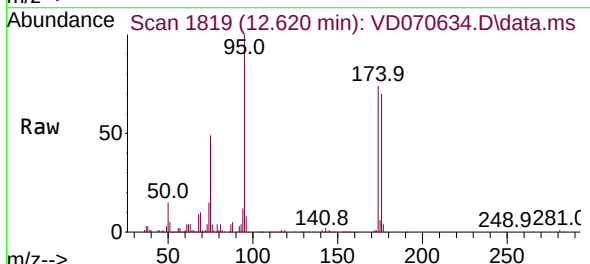
Instrument :
MSVOA_D
ClientSampleId :

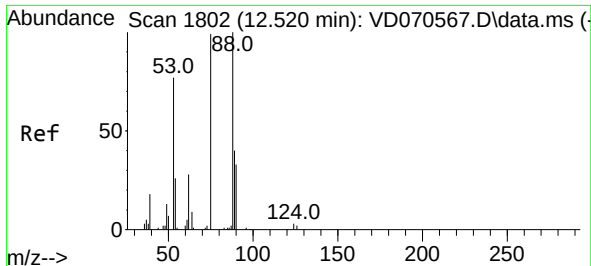
Tgt Ion:152 Resp: 265098
Ion Ratio Lower Upper
152 100
115 63.2 31.9 95.7
150 160.8 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 54.477 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070634.D
Acq: 08 Oct 2021 12:59

Tgt Ion: 75 Resp: 130713
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

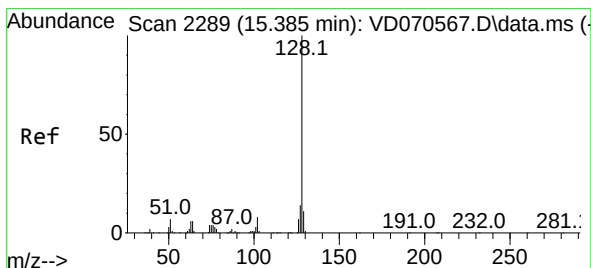
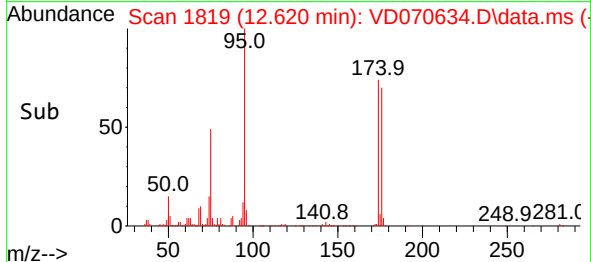
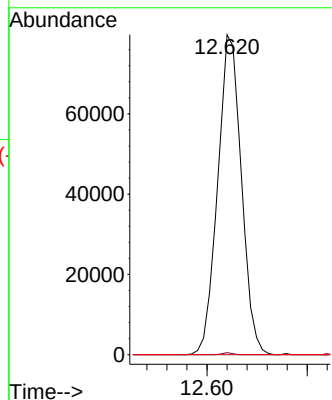
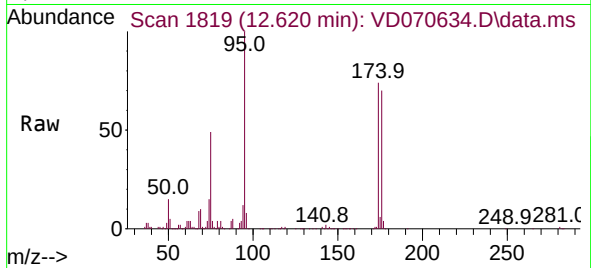




#81
trans-1,4-Dichloro-2-butene
Concen: 120.948 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070634.D
Acq: 08 Oct 2021 12:59

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 130713
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.539 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD070634.D
Acq: 08 Oct 2021 12:59

Tgt Ion:128 Resp: 436
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

