

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
 Data File : VD070667.D
 Acq On : 11 Oct 2021 18:32
 Operator : VA/SY
 Sample : M4161-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T-1A

Quant Time: Oct 12 05:43:04 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)

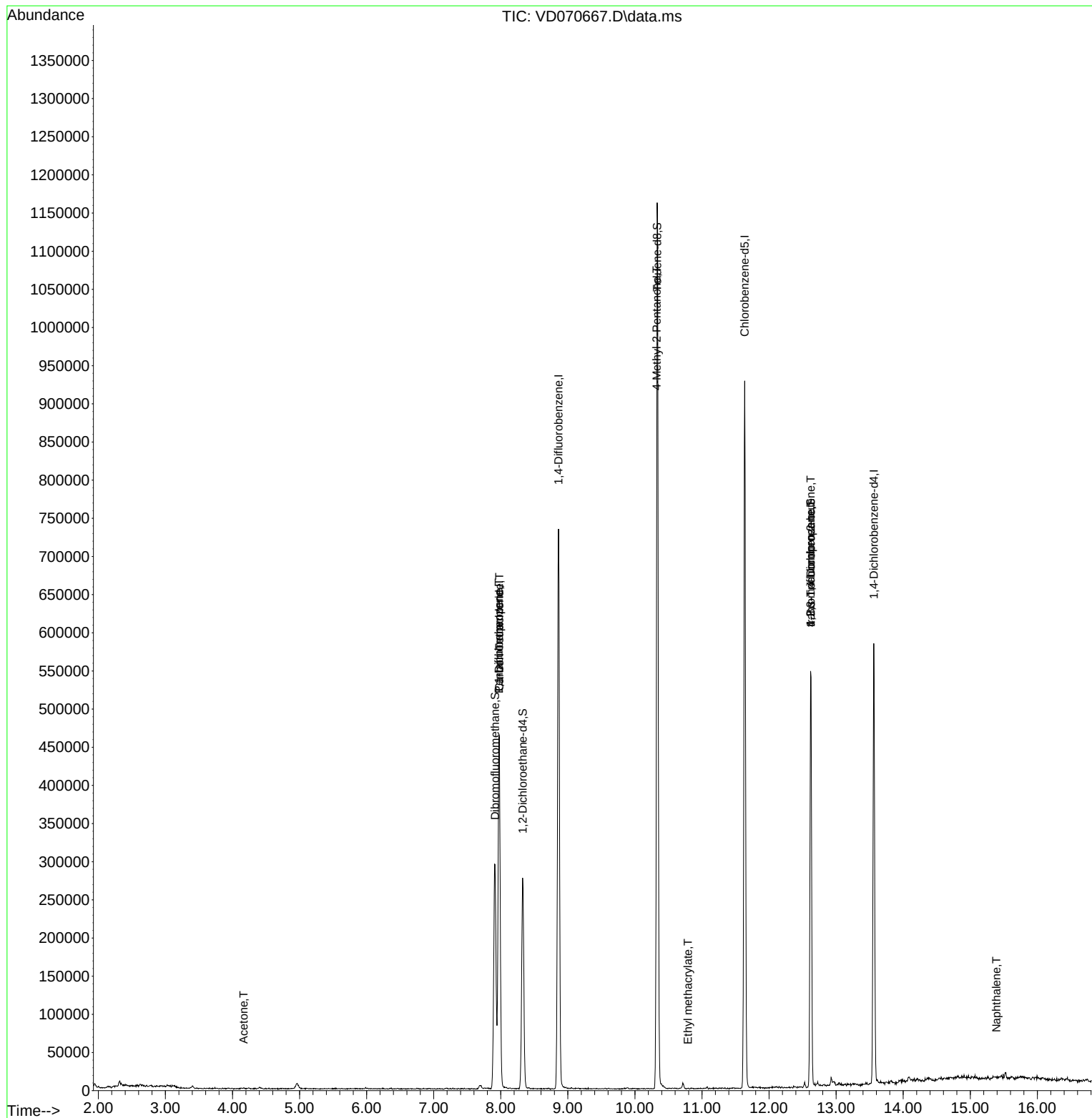
Internal Standards						
1) Pentafluorobenzene	7.973	168	326678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	636662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	551969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	153915	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	219470	57.086	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.180%			
35) Dibromofluoromethane	7.914	113	222486	52.561	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.120%			
50) Toluene-d8	10.332	98	806277	49.826	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.660%			
62) 4-Bromofluorobenzene	12.620	95	200269	37.030	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 74.060%			
Target Compounds			Qvalue			
5) Bromomethane	2.785	94	952	Below Cal		90
16) Acetone	4.167	43	948	1.452 ug/l #		40
20) Methylene Chloride	4.961	84	5911	Below Cal #		88
36) 1,1-Dichloropropene	7.973	75	28921	4.277 ug/l #		50
38) Carbon Tetrachloride	7.979	117	36646	5.179 ug/l #		16
51) 4-Methyl-2-Pentanone	10.326	43	2668	1.256 ug/l #		1
56) Ethyl methacrylate	10.790	69	113	1.400 ug/l #		32
76) 1,2,3-Trichloropropane	12.620	75	93078	66.814 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	93078	148.338 ug/l #		17
95) Naphthalene	15.390	128	745	2.635 ug/l #		77

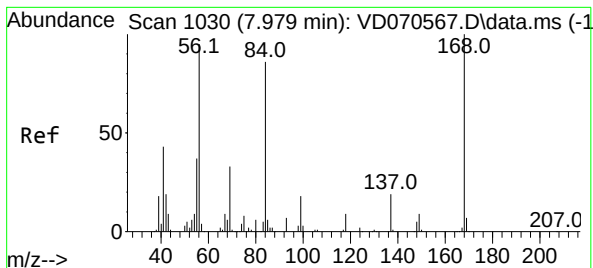
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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T-1A

Quant Time: Oct 12 05:43:04 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD070667.D

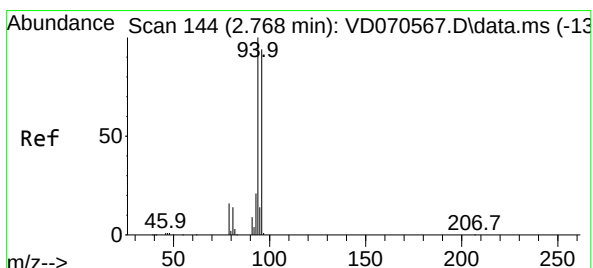
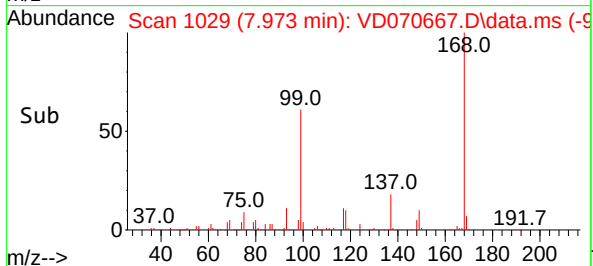
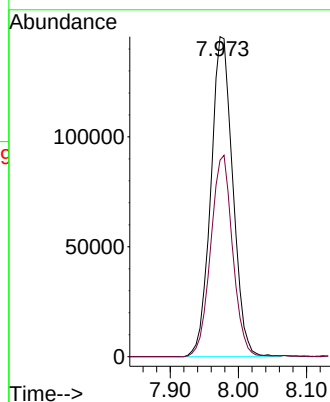
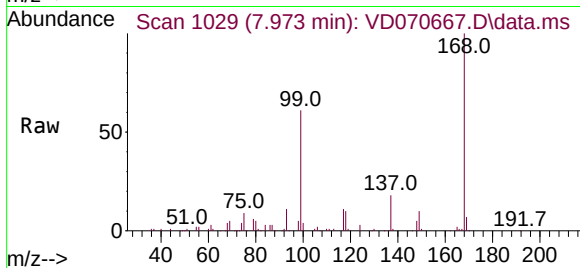
Acq: 11 Oct 2021 18:32

Tgt Ion:168 Resp: 326678

Ion Ratio Lower Upper

168 100

99 61.4 51.4 77.0



#5

Bromomethane

Concen: Below Cal

RT: 2.785 min Scan# 147

Delta R.T. 0.017 min

Lab File: VD070667.D

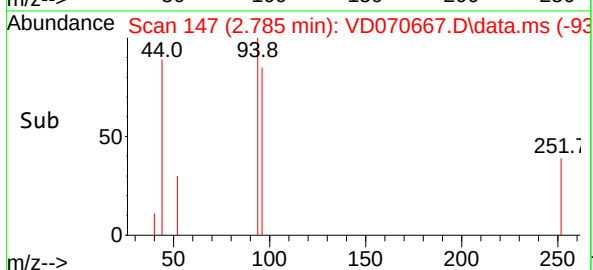
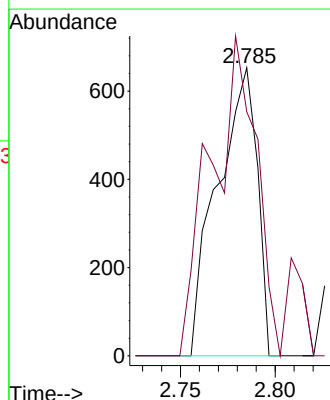
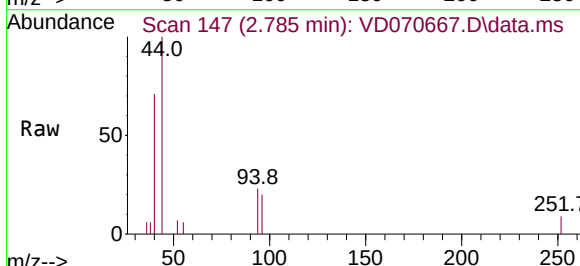
Acq: 11 Oct 2021 18:32

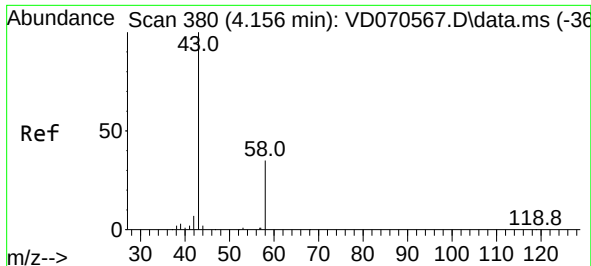
Tgt Ion: 94 Resp: 952

Ion Ratio Lower Upper

94 100

96 84.7 75.5 113.3

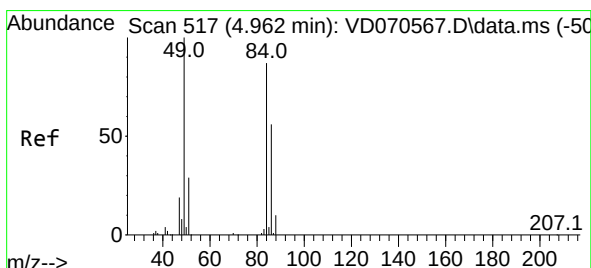
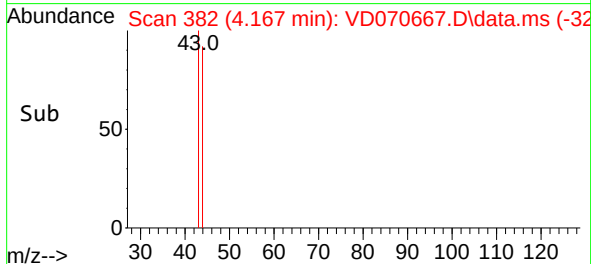
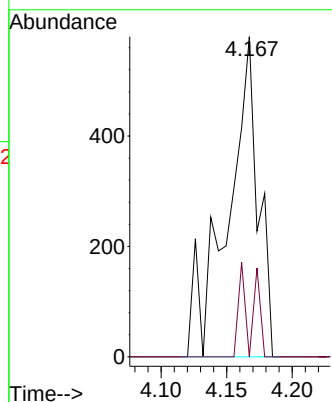
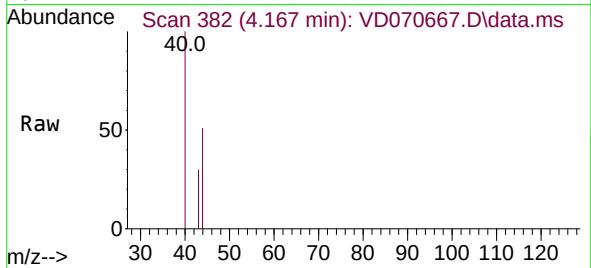




#16
Acetone
Concen: 1.452 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD070667.D
Acq: 11 Oct 2021 18:32

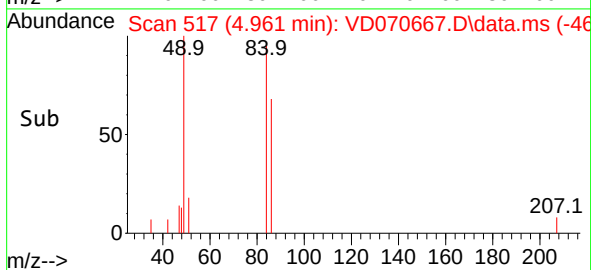
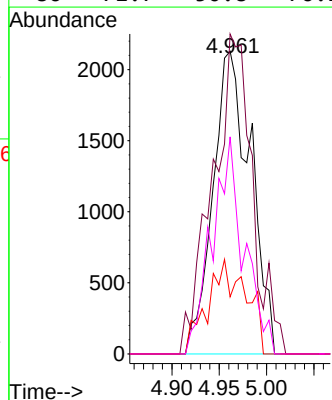
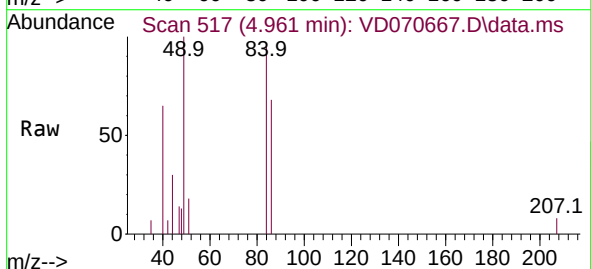
Instrument :
MSVOA_D
ClientSampled :
T-1A

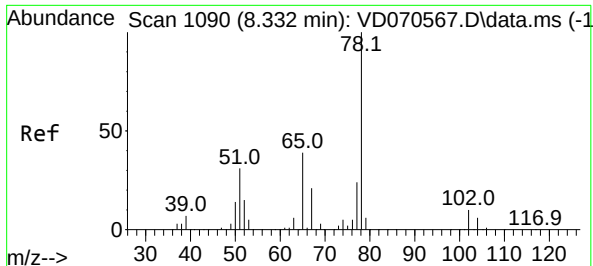
Tgt Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070667.D
Acq: 11 Oct 2021 18:32

Tgt Ion: 84 Resp: 5911
Ion Ratio Lower Upper
84 100
49 105.7 91.4 137.2
51 18.9 26.7 40.1#
86 71.7 50.8 76.2

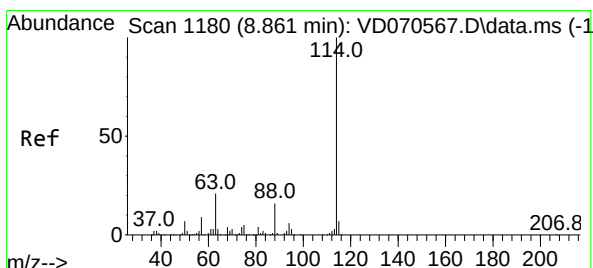
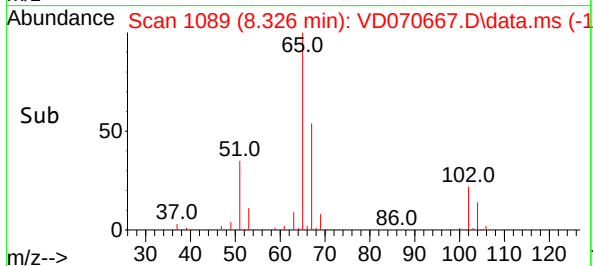
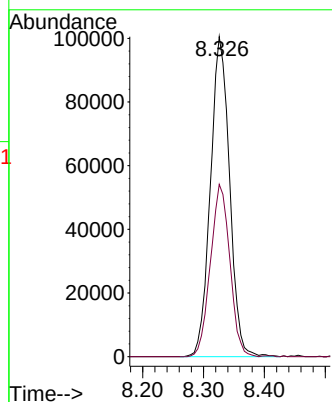
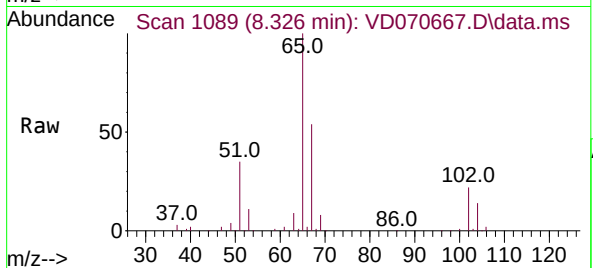




#33
1,2-Dichloroethane-d4
Concen: 57.086 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070667.D
Acq: 11 Oct 2021 18:32

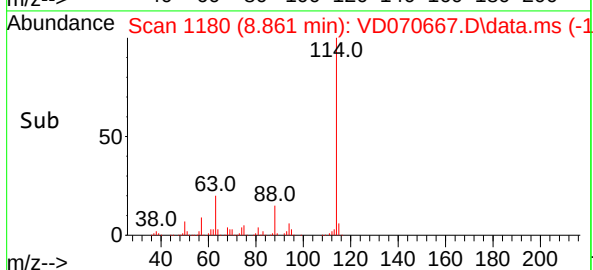
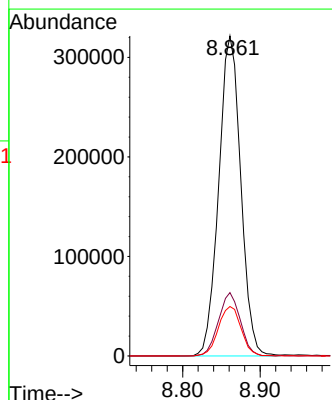
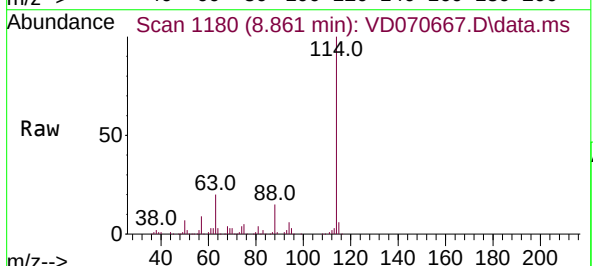
Instrument :
MSVOA_D
ClientSampleId :
T-1A

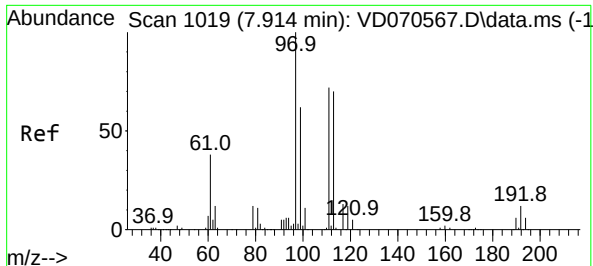
Tgt Ion: 65 Resp: 219470
Ion Ratio Lower Upper
65 100
67 54.5 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070667.D
Acq: 11 Oct 2021 18:32

Tgt Ion: 114 Resp: 636662
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.8
88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.561 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070667.D

Acq: 11 Oct 2021 18:32

Tgt Ion:113 Resp: 222486

Ion Ratio Lower Upper

113 100

111 102.6 83.1 124.7

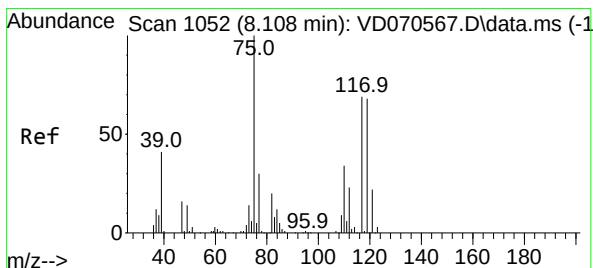
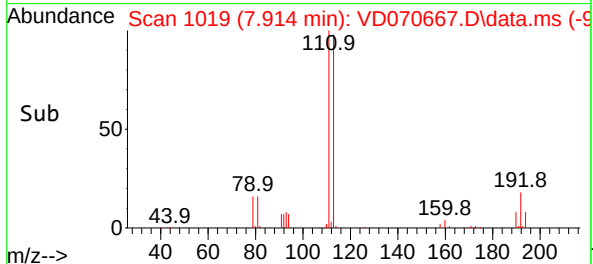
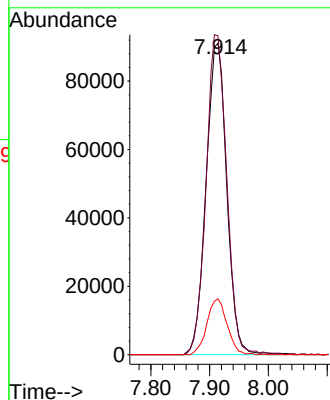
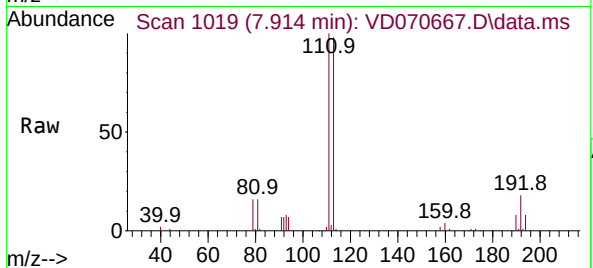
192 17.5 12.7 19.1

Instrument :

MSVOA_D

ClientSampled :

T-1A



#36

1,1-Dichloropropene

Concen: 4.277 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD070667.D

Acq: 11 Oct 2021 18:32

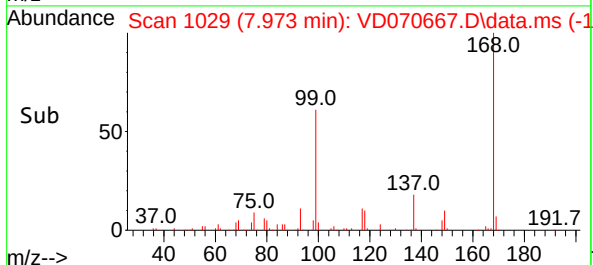
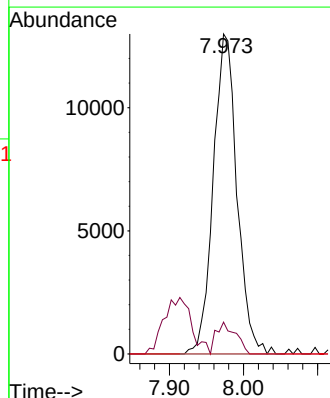
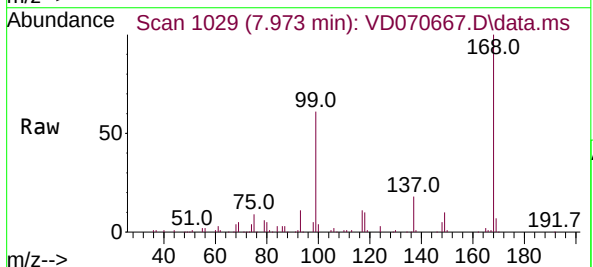
Tgt Ion: 75 Resp: 28921

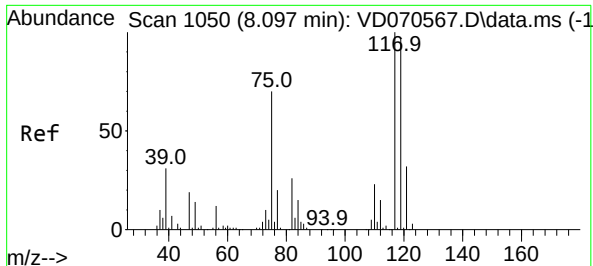
Ion Ratio Lower Upper

75 100

110 8.1 17.2 51.6#

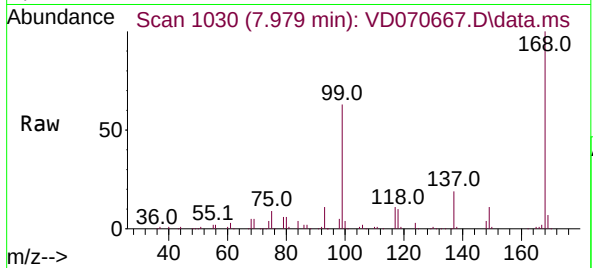
77 0.0 24.2 36.4#



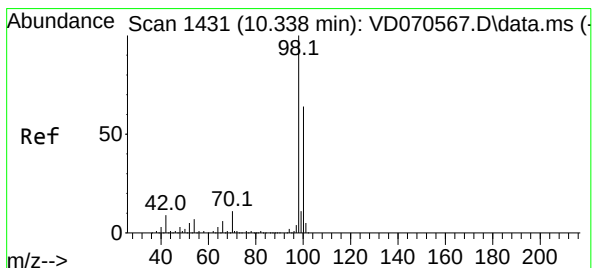
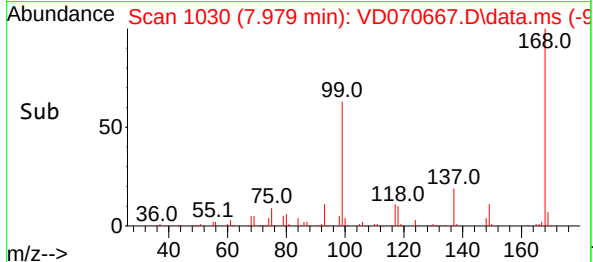
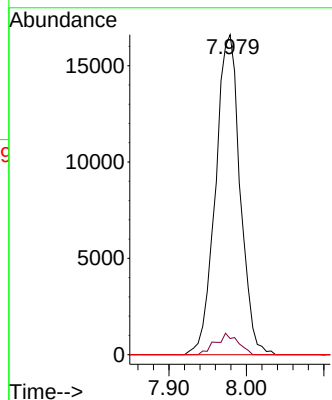


#38
Carbon Tetrachloride
Concen: 5.179 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070667.D
Acq: 11 Oct 2021 18:32

Instrument :
MSVOA_D
ClientSampleId :
T-1A

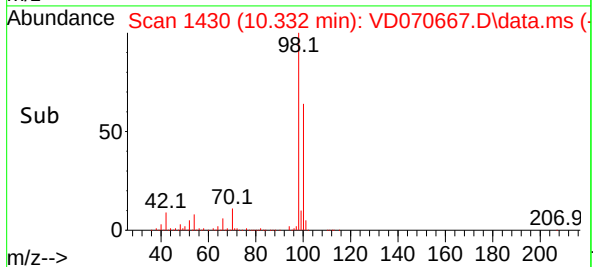
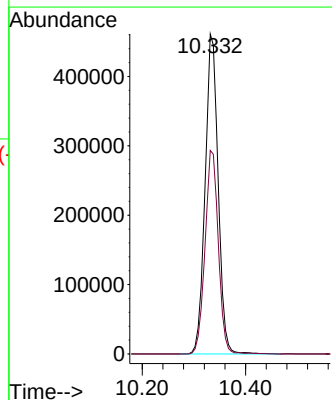
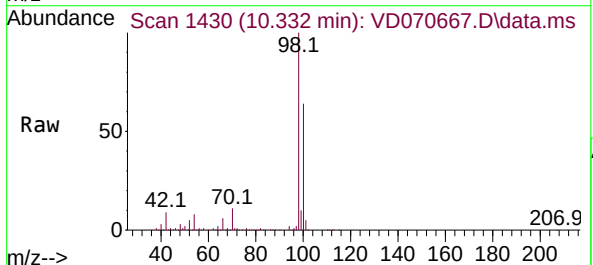


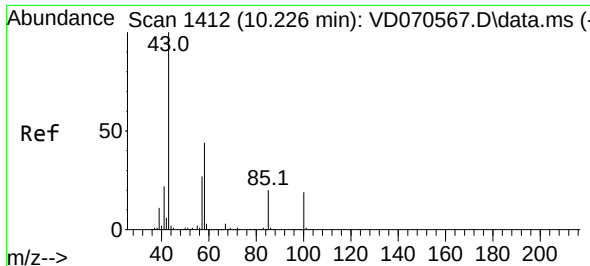
Tgt Ion:117 Resp: 36646
Ion Ratio Lower Upper
117 100
119 5.0 77.4 116.0#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 49.826 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070667.D
Acq: 11 Oct 2021 18:32

Tgt Ion: 98 Resp: 806277
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4

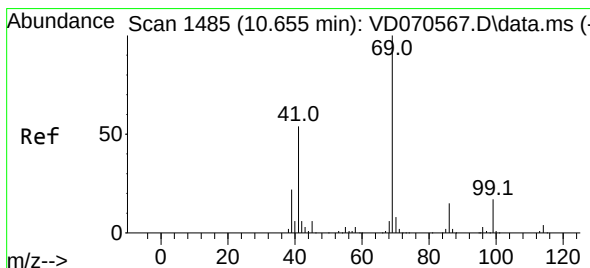
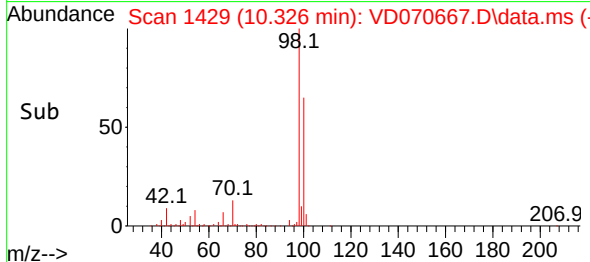
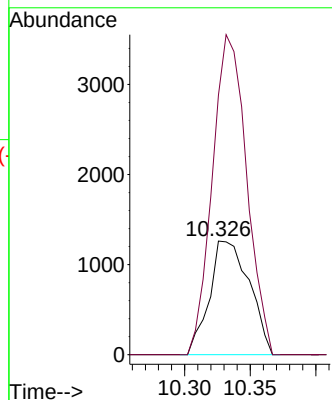
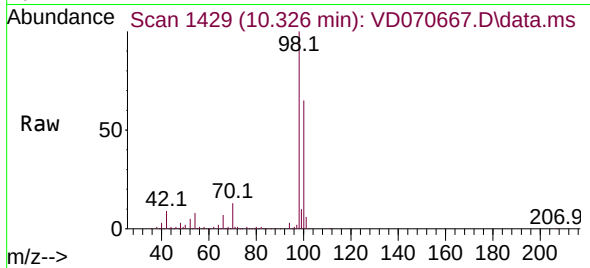




#51
4-Methyl-2-Pentanone
Concen: 1.256 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.100 min
Lab File: VD070667.D
Acq: 11 Oct 2021 18:32

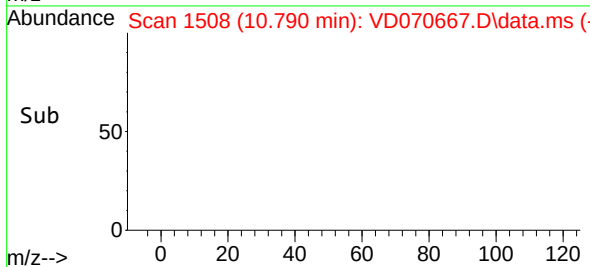
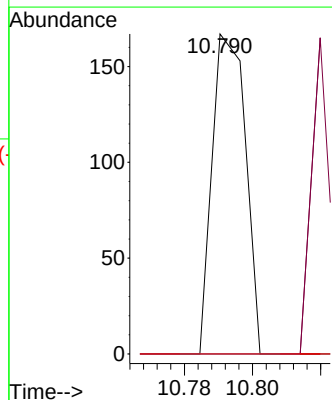
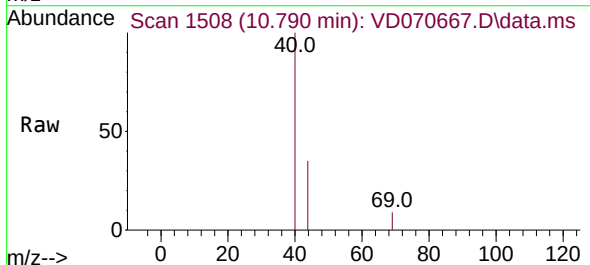
Instrument :
MSVOA_D
ClientSampleId :
T-1A

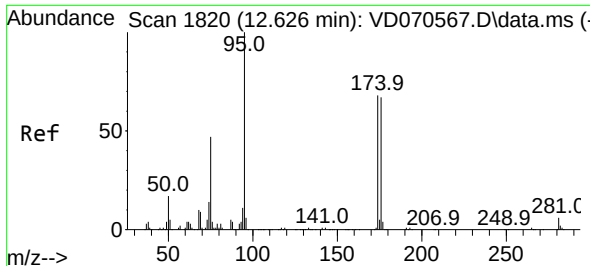
Tgt Ion: 43 Resp: 2668
Ion Ratio Lower Upper
43 100
58 242.5 35.0 52.6#



#56
Ethyl methacrylate
Concen: 1.400 ug/l
RT: 10.790 min Scan# 1508
Delta R.T. 0.135 min
Lab File: VD070667.D
Acq: 11 Oct 2021 18:32

Tgt Ion: 69 Resp: 113
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#

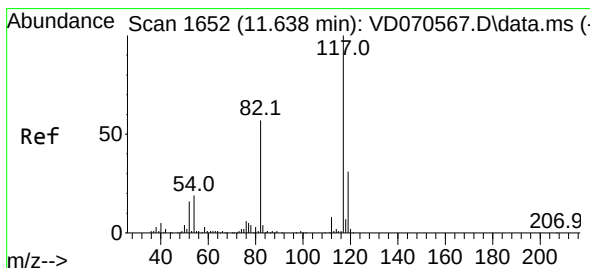
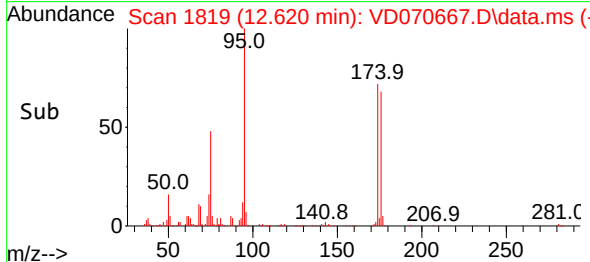
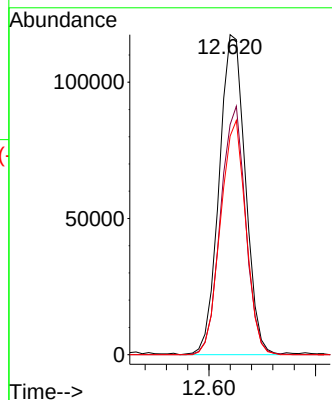
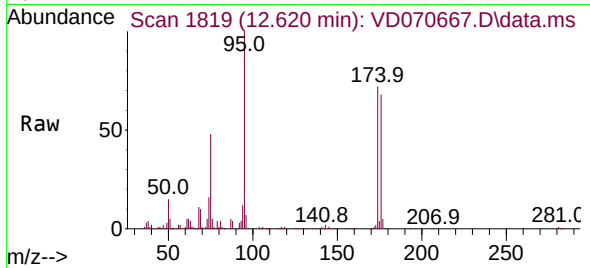




#62
4-Bromofluorobenzene
Concen: 37.030 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070667.D
Acq: 11 Oct 2021 18:32

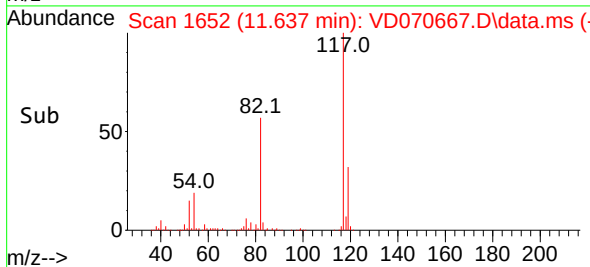
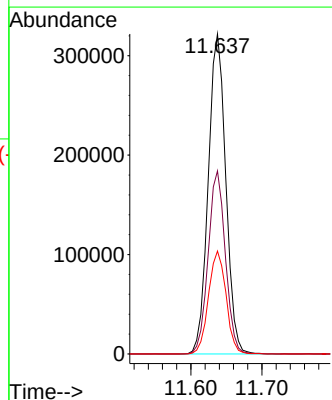
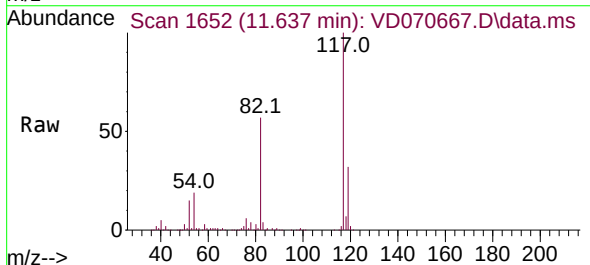
Instrument :
MSVOA_D
ClientSampleId :
T-1A

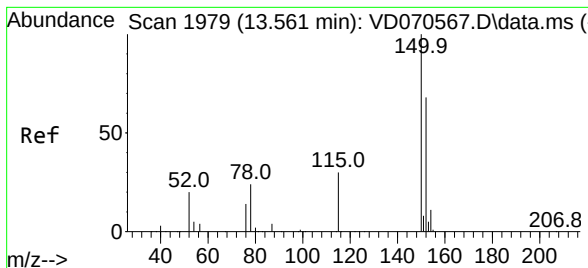
Tgt Ion: 95 Resp: 200269
Ion Ratio Lower Upper
95 100
174 74.2 0.0 138.0
176 70.9 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070667.D
Acq: 11 Oct 2021 18:32

Tgt Ion: 117 Resp: 551969
Ion Ratio Lower Upper
117 100
82 57.2 45.4 68.2
119 32.1 24.7 37.1

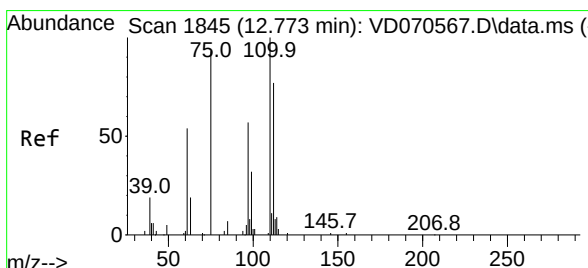
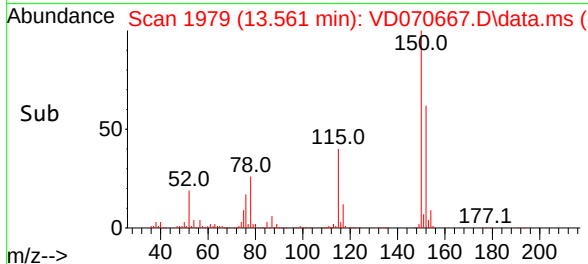
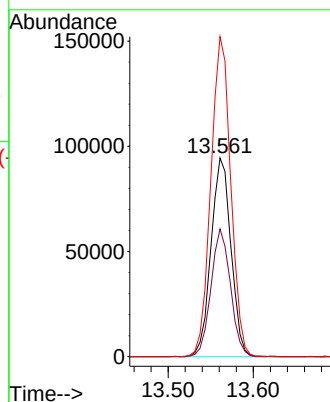
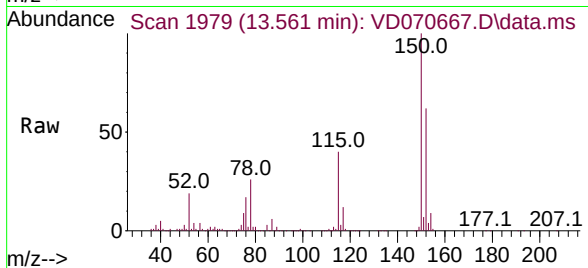




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. -0.000 min
Lab File: VD070667.D
Acq: 11 Oct 2021 18:32

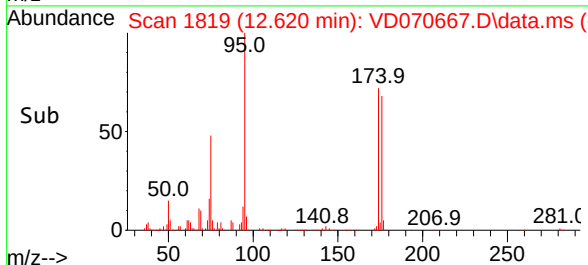
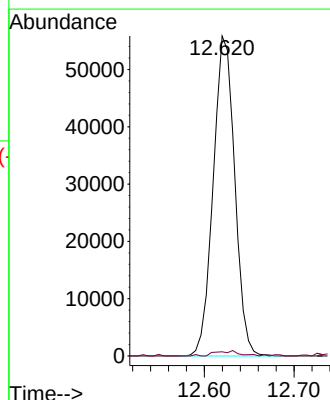
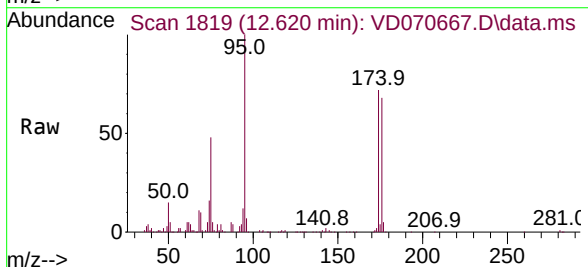
Instrument :
MSVOA_D
ClientSampleId :
T-1A

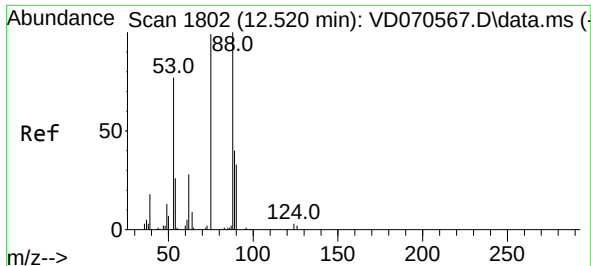
Tgt Ion:152 Resp: 153915
Ion Ratio Lower Upper
152 100
115 62.7 31.9 95.7
150 160.5 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 66.814 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070667.D
Acq: 11 Oct 2021 18:32

Tgt Ion: 75 Resp: 93078
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

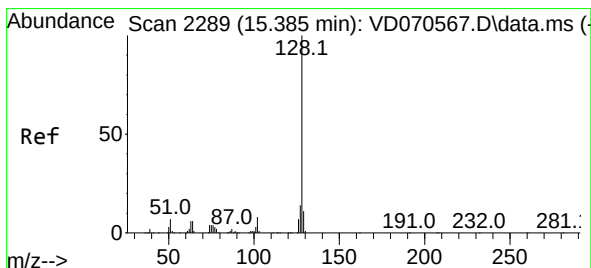
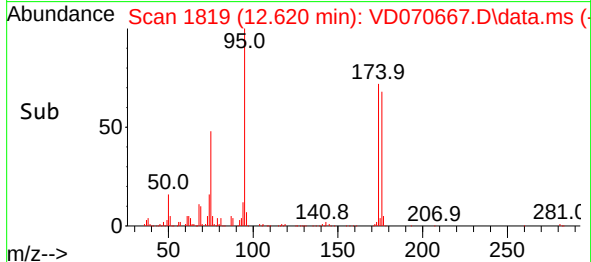
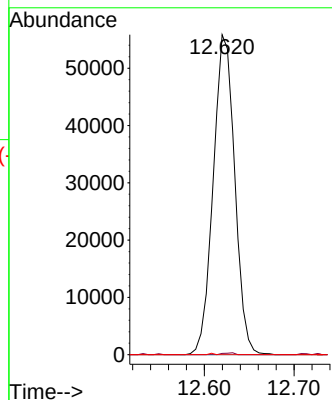
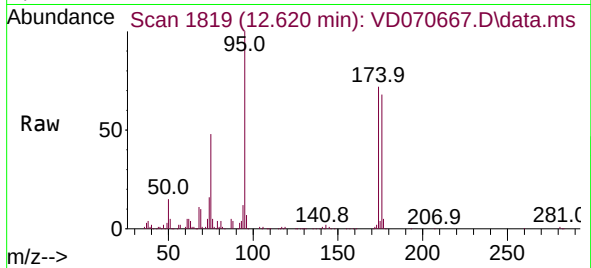




#81
trans-1,4-Dichloro-2-butene
Concen: 148.338 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070667.D
Acq: 11 Oct 2021 18:32

Instrument :
MSVOA_D
ClientSampleId :
T-1A

Tgt Ion: 75 Resp: 93078
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.635 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD070667.D
Acq: 11 Oct 2021 18:32

Tgt Ion: 128 Resp: 745
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 7.4 8.6 12.8#

