

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100521\
 Data File : VD070580.D
 Acq On : 05 Oct 2021 19:06
 Operator : VA/SY
 Sample : M4043-03
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-04-100121

Quant Time: Oct 06 09:24:14 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)

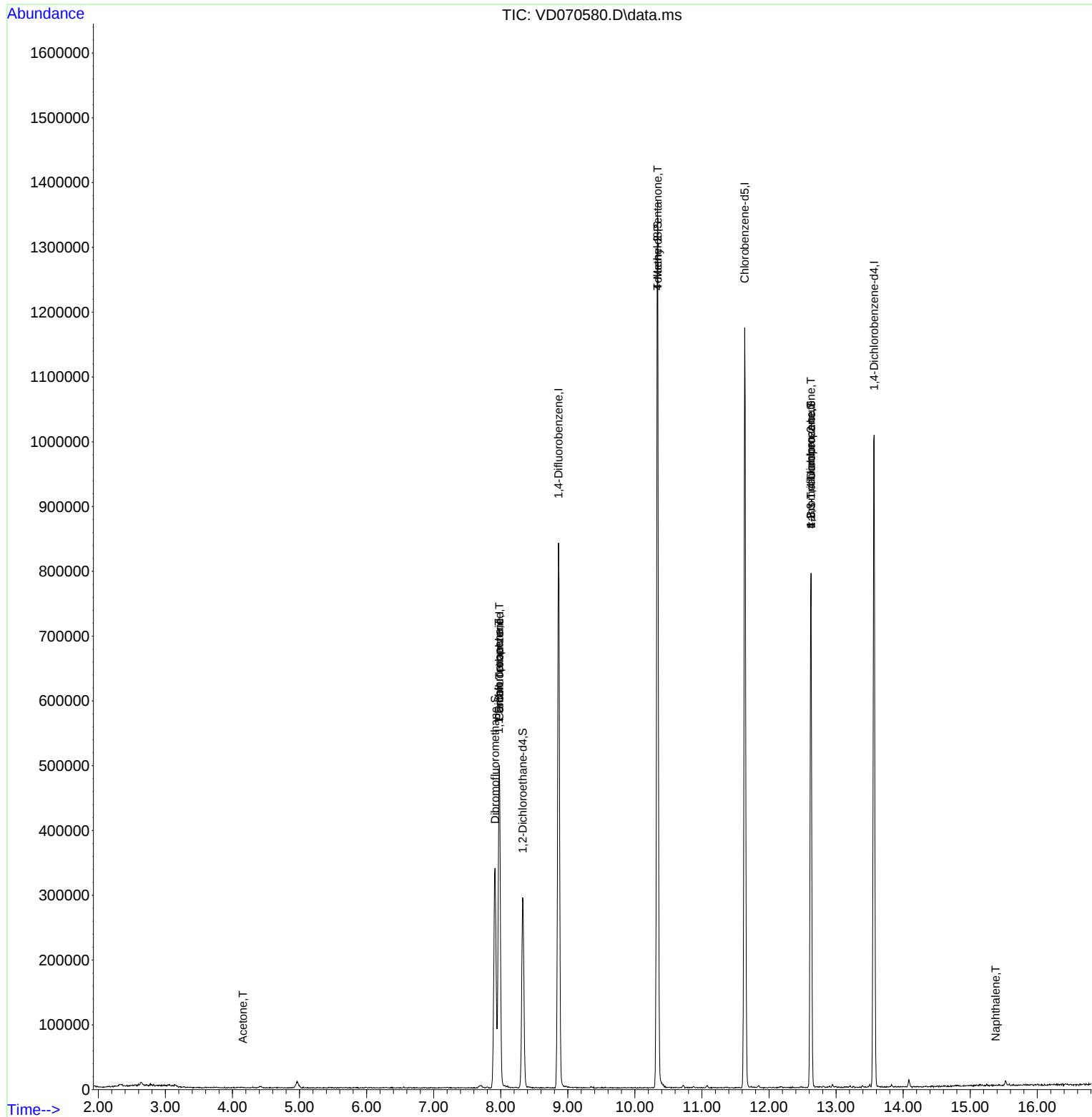
Internal Standards						
1) Pentafluorobenzene	7.979	168	357267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	738254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	691700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	276248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	235722	56.064	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.120%			
35) Dibromofluoromethane	7.914	113	251840	51.309	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.620%			
50) Toluene-d8	10.338	98	942865	50.249	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.500%			
62) 4-Bromofluorobenzene	12.626	95	276153	44.034	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.060%			
Target Compounds						
5) Bromomethane	2.791	94	1298	Below Cal	#	64
16) Acetone	4.156	43	834	1.168	ug/l #	40
20) Methylene Chloride	4.968	84	7695	Below Cal	#	81
36) 1,1-Dichloropropene	7.973	75	31709	4.044	ug/l #	50
38) Carbon Tetrachloride	7.979	117	37870	4.615	ug/l #	17
51) 4-Methyl-2-Pentanone	10.338	43	3721	1.511	ug/l #	1
59) 2-Hexanone	10.973	43	135	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.626	75	133849	53.532	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	133849	118.851	ug/l #	17
95) Naphthalene	15.379	128	400	2.533	ug/l #	69

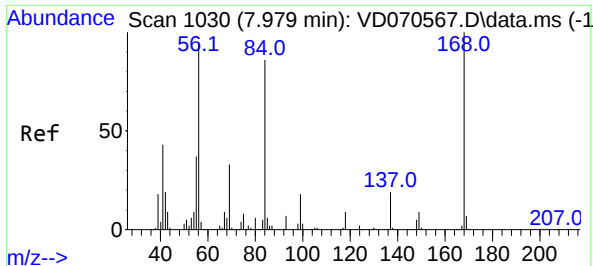
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

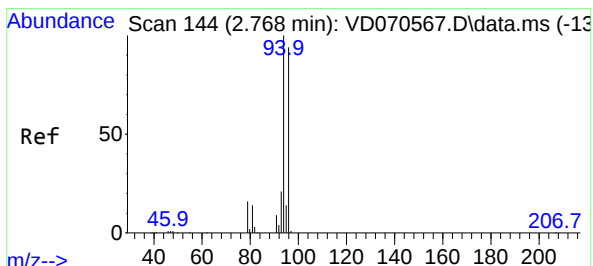
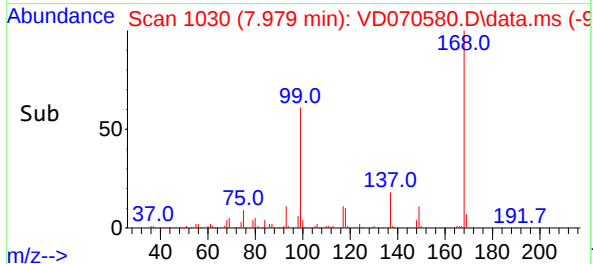
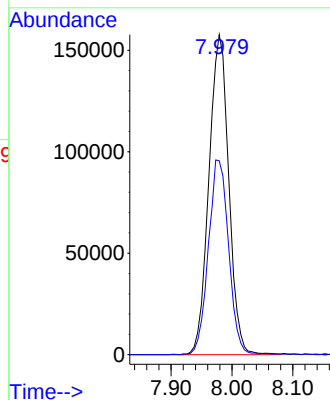
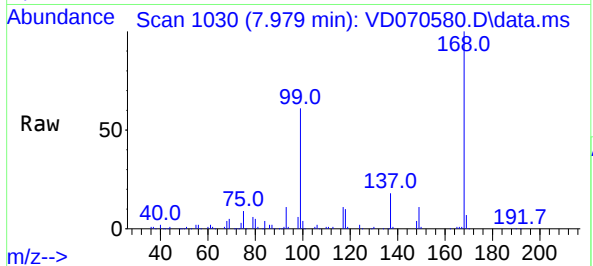




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

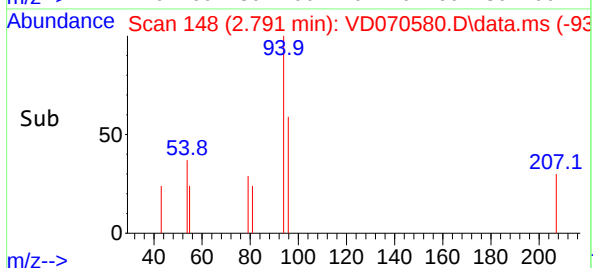
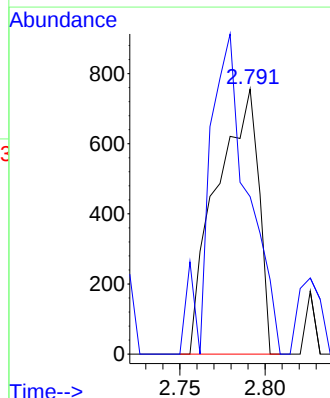
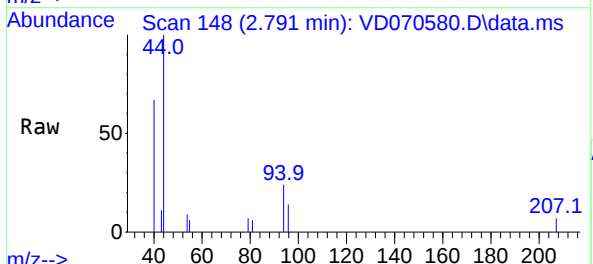
Instrument :
MSVOA_D
ClientSampleId :
HR-04-100121

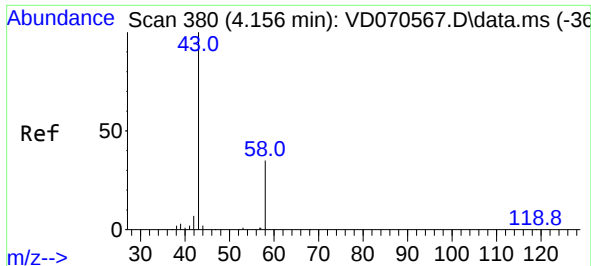
Tgt Ion:168 Resp: 357267
Ion Ratio Lower Upper
168 100
99 60.6 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

Tgt Ion: 94 Resp: 1298
Ion Ratio Lower Upper
94 100
96 59.4 75.5 113.3#

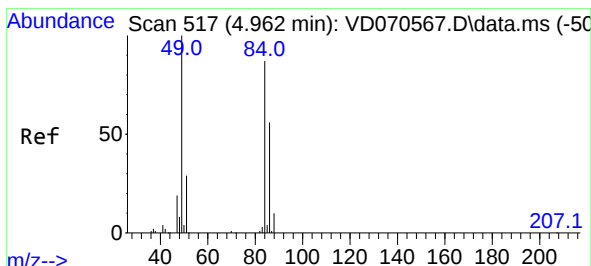
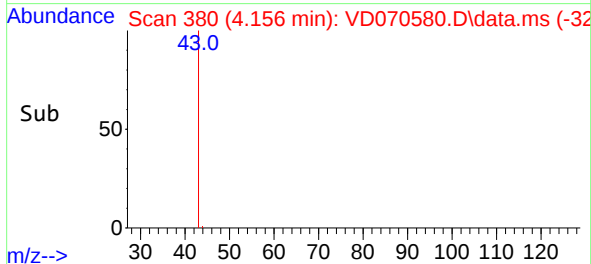
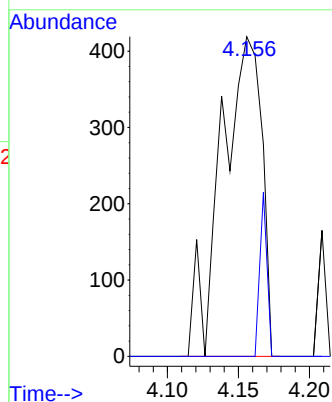
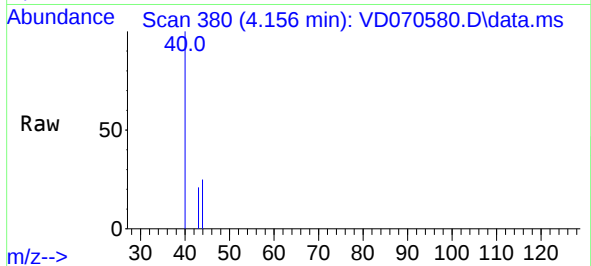




#16
Acetone
Concen: 1.168 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

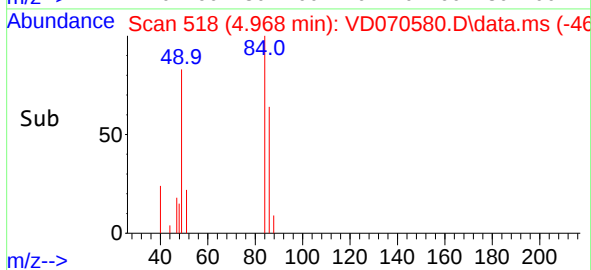
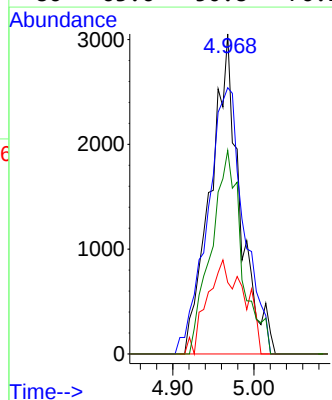
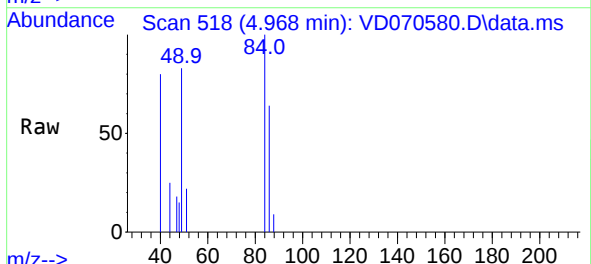
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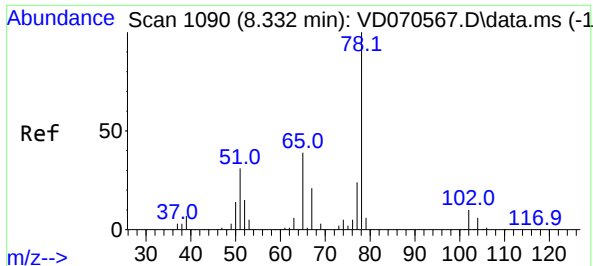
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

Tgt Ion: 84 Resp: 7695
Ion Ratio Lower Upper
84 100
49 83.2 91.4 137.2#
51 22.3 26.7 40.1#
86 63.6 50.8 76.2





#33

1,2-Dichloroethane-d4

Concen: 56.064 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD070580.D

Acq: 05 Oct 2021 19:06

Instrument :

MSVOA_D

ClientSampleId :

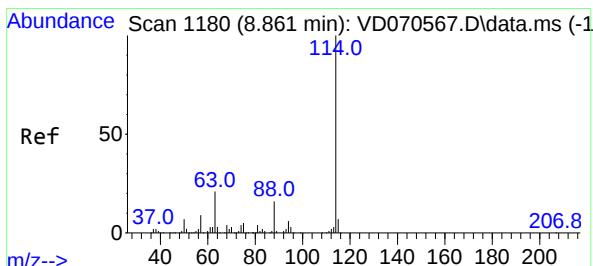
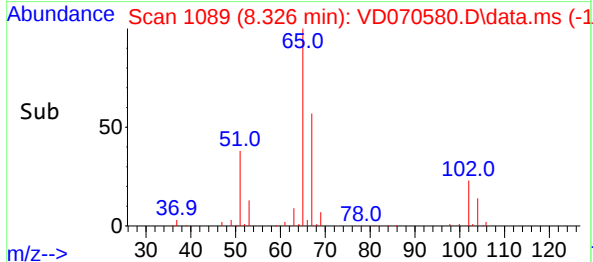
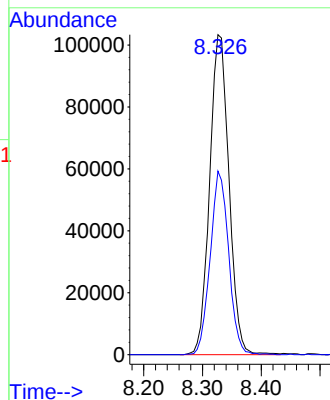
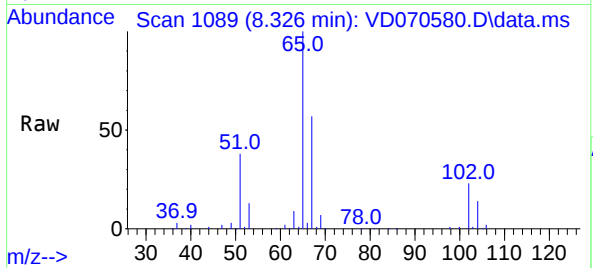
HR-04-100121

Tgt Ion: 65 Resp: 235722

Ion Ratio Lower Upper

65 100

67 54.9 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: VD070580.D

Acq: 05 Oct 2021 19:06

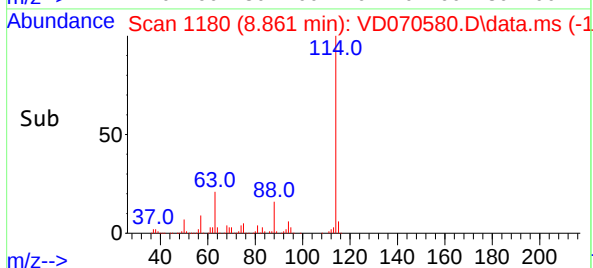
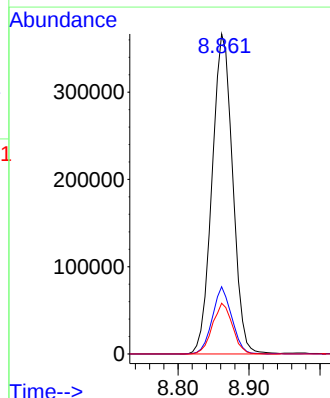
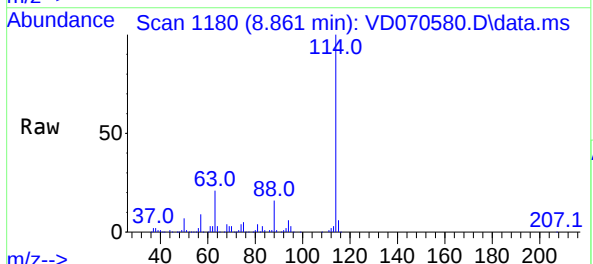
Tgt Ion: 114 Resp: 738254

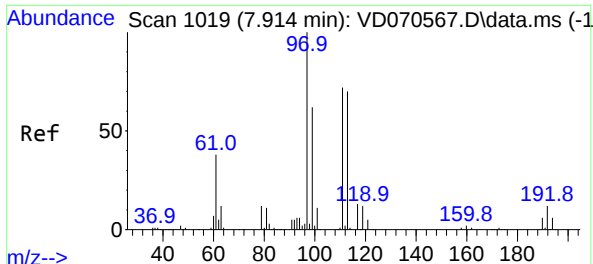
Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.8

88 15.9 0.0 32.6

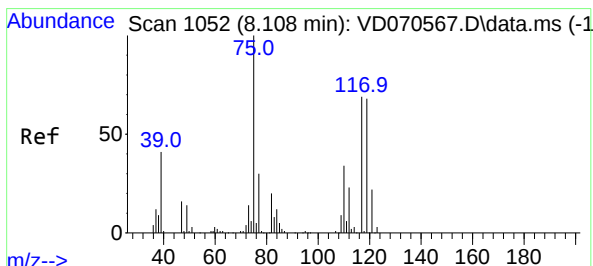
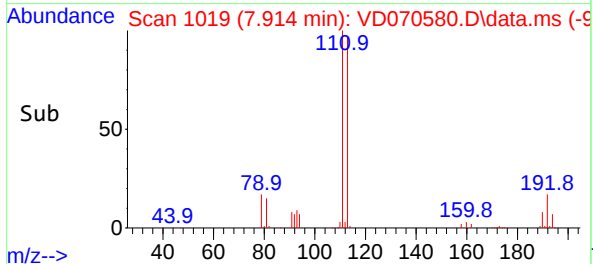
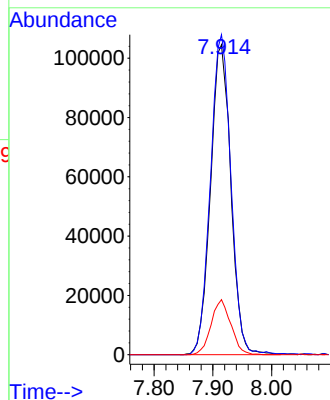
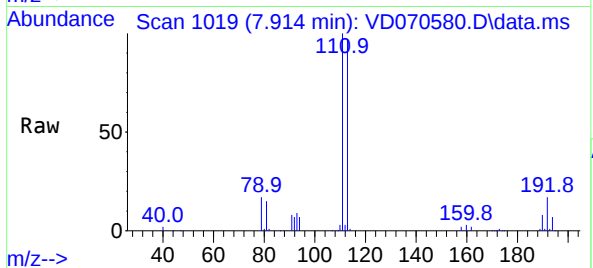




#35
Dibromofluoromethane
Concen: 51.309 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

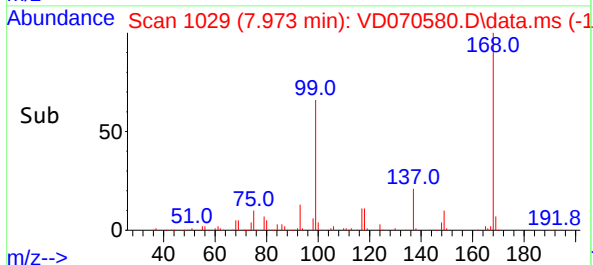
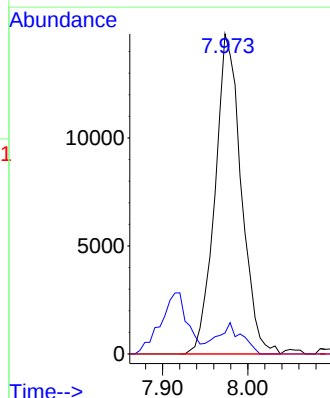
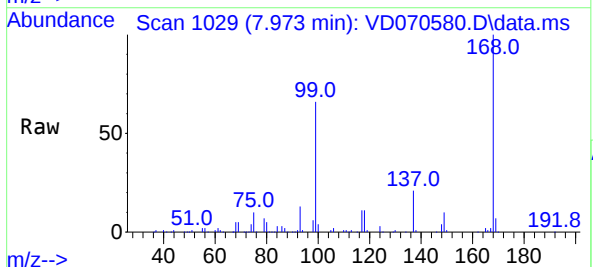
Instrument :
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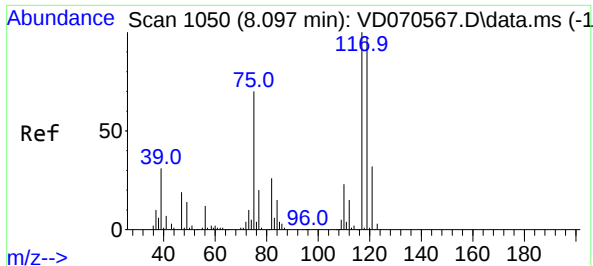
Tgt Ion:113 Resp: 251840
Ion Ratio Lower Upper
113 100
111 104.1 83.1 124.7
192 17.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.044 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

Tgt Ion: 75 Resp: 31709
Ion Ratio Lower Upper
75 100
110 8.8 17.2 51.6#
77 0.0 24.2 36.4#

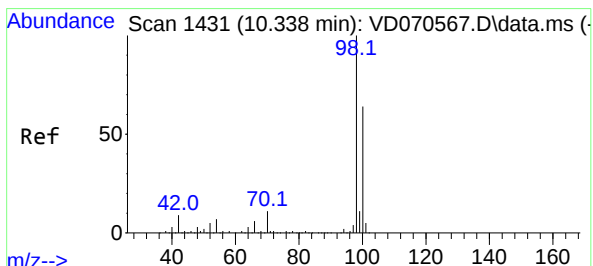
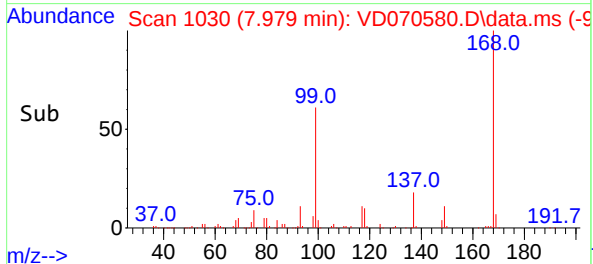
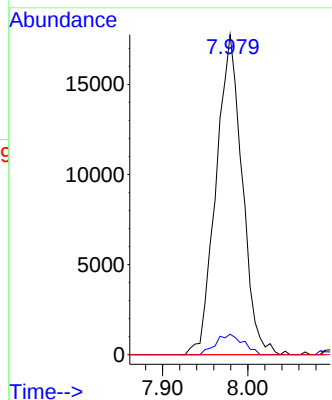
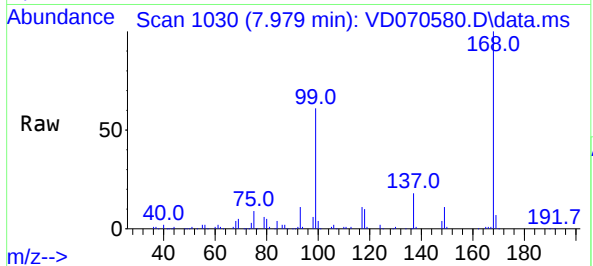




#38
Carbon Tetrachloride
Concen: 4.615 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

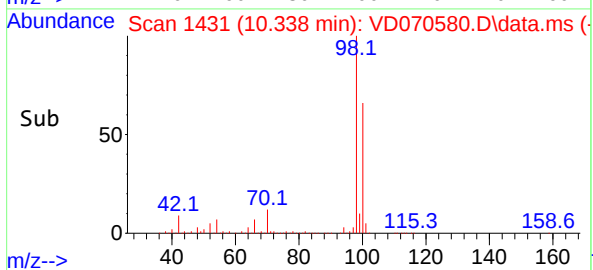
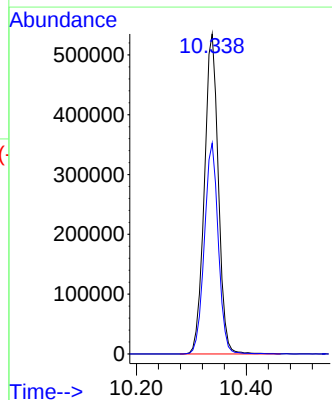
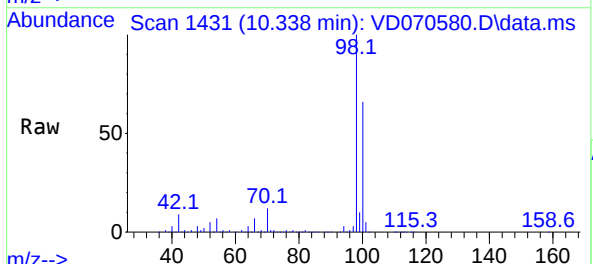
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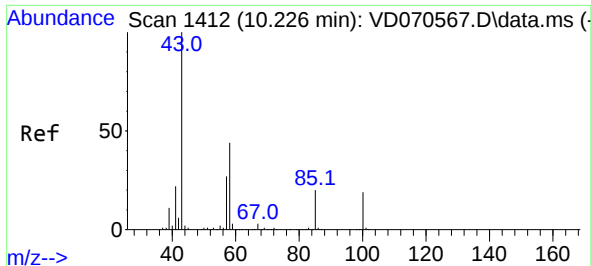
Tgt Ion:117 Resp: 37870
Ion Ratio Lower Upper
117 100
119 6.4 77.4 116.0#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 50.249 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

Tgt Ion: 98 Resp: 942865
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4

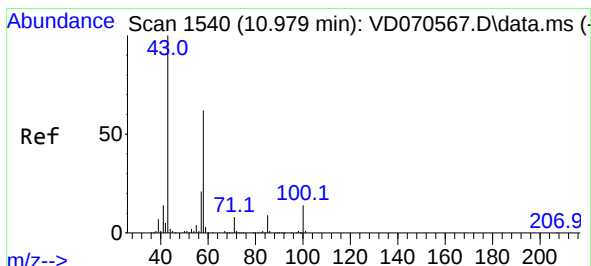
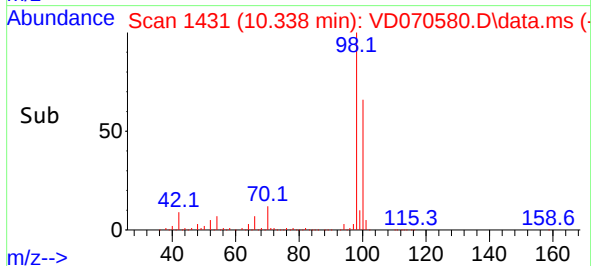
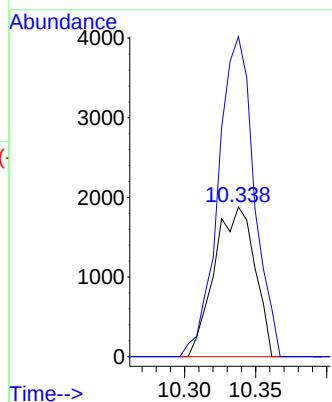
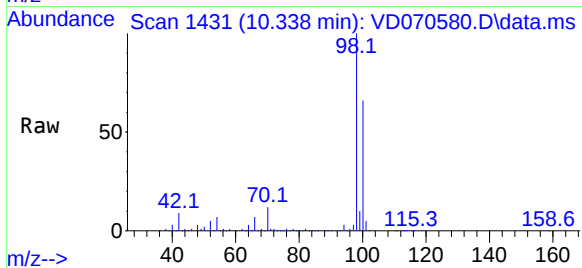




#51
4-Methyl-2-Pentanone
Concen: 1.511 ug/l
RT: 10.338 min Scan# 1412
Delta R.T. 0.112 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

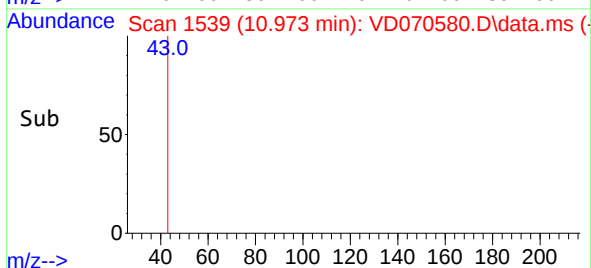
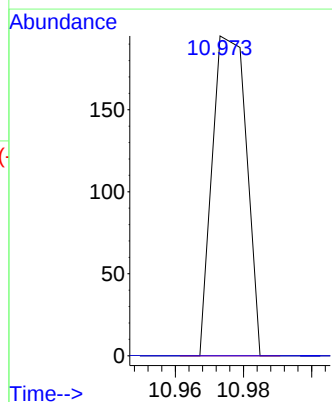
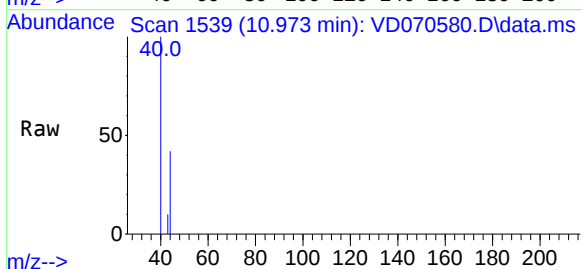
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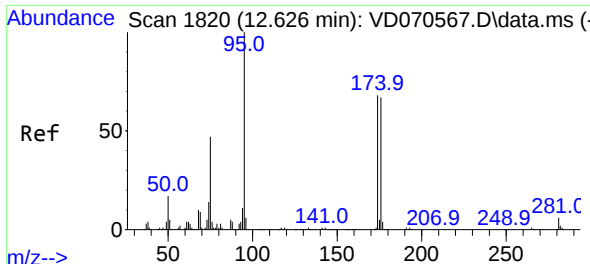
Tgt Ion: 43 Resp: 3721
Ion Ratio Lower Upper
43 100
58 190.7 35.0 52.6#



#59
2-Hexanone
Concen: Below Cal
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

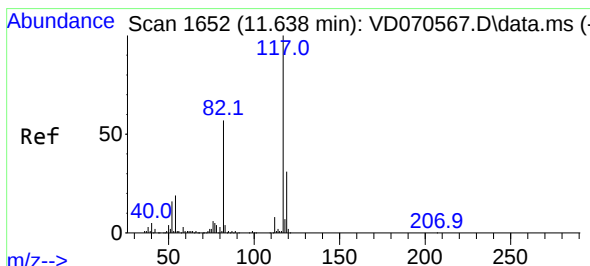
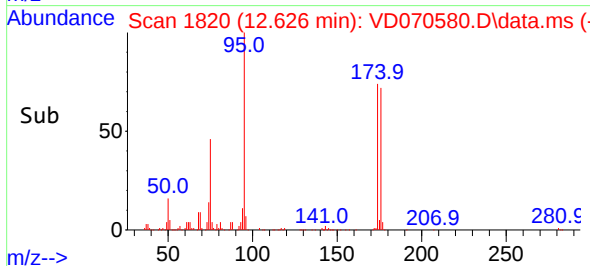
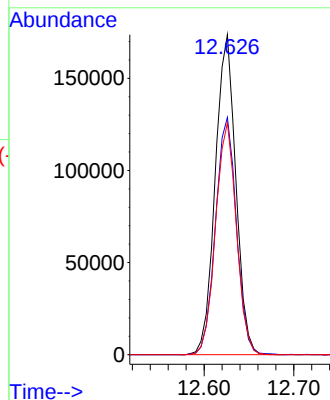
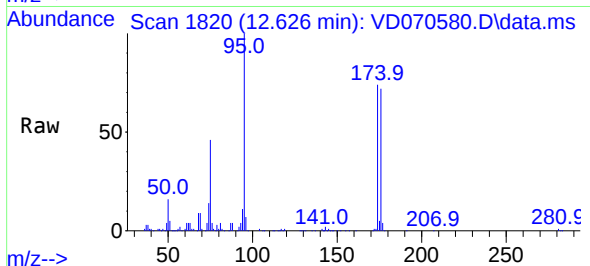




#62
4-Bromofluorobenzene
Concen: 44.034 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

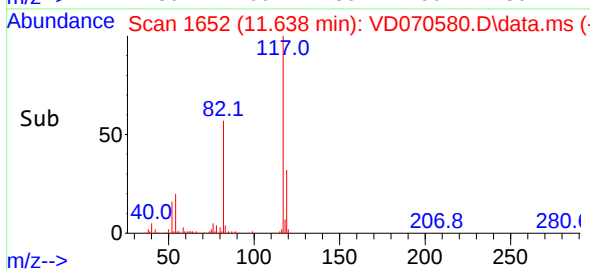
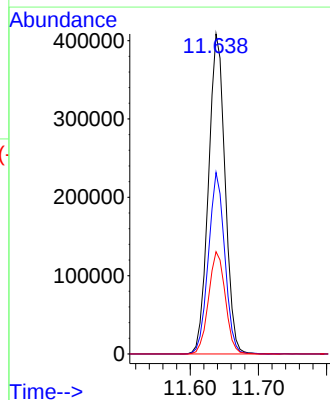
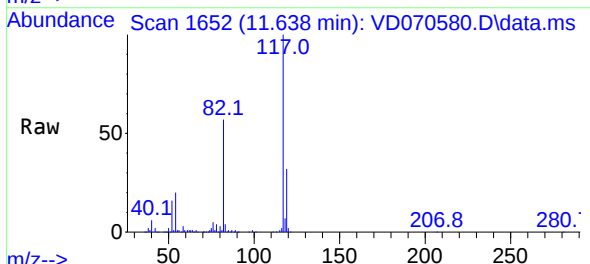
Instrument :
MSVOA_D
ClientSampleId :
HR-04-100121

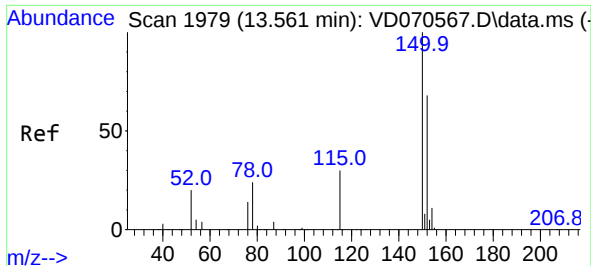
Tgt Ion: 95 Resp: 276153
Ion Ratio Lower Upper
95 100
174 75.6 0.0 138.0
176 72.9 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

Tgt Ion: 117 Resp: 691700
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.2
119 31.9 24.7 37.1

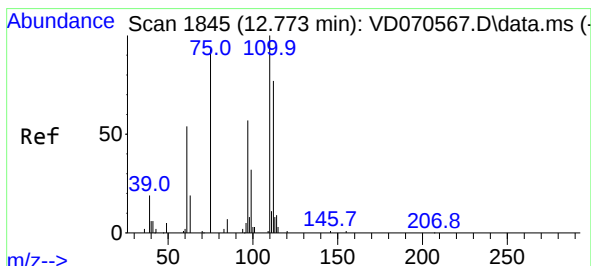
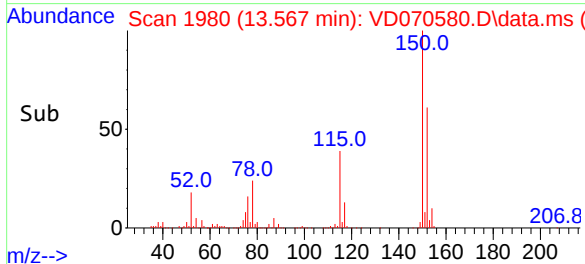
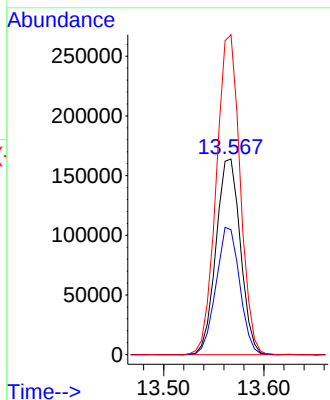
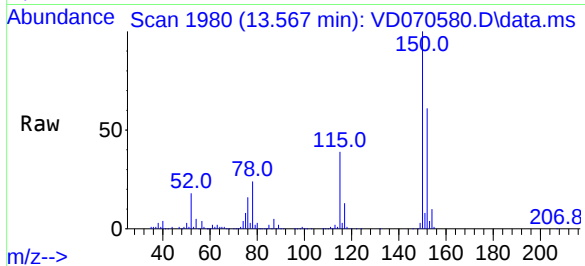




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

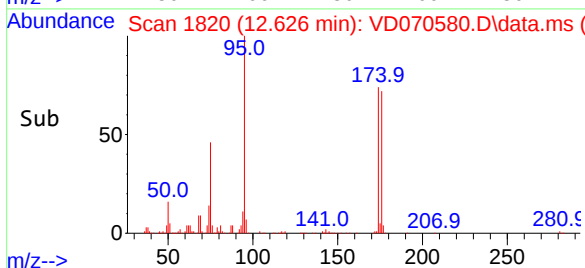
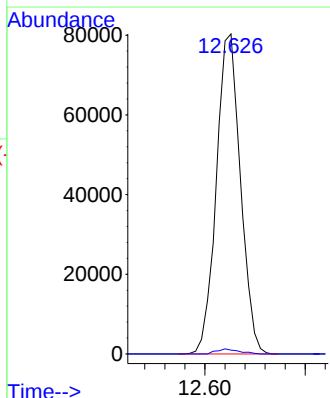
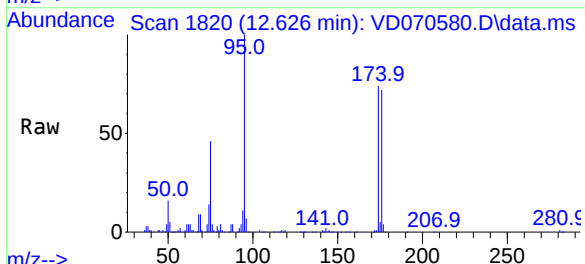
Instrument :
MSVOA_D
ClientSampleId :
HR-04-100121

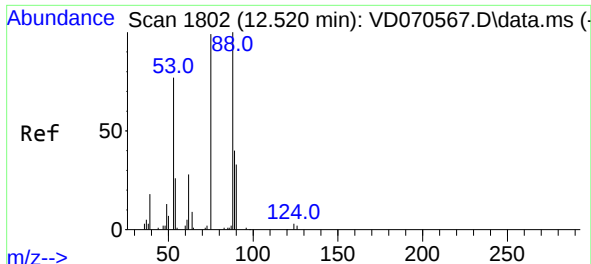
Tgt Ion:152 Resp: 276248
Ion Ratio Lower Upper
152 100
115 63.5 31.9 95.7
150 159.8 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 53.532 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

Tgt Ion: 75 Resp: 133849
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

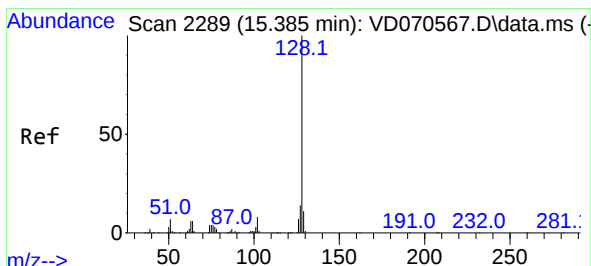
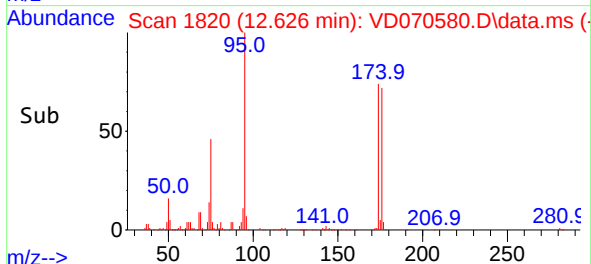
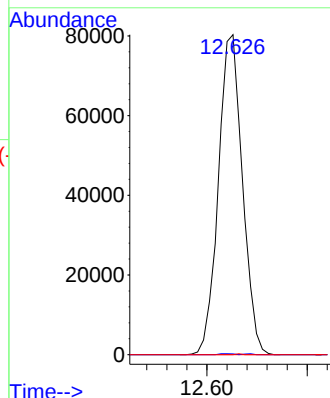
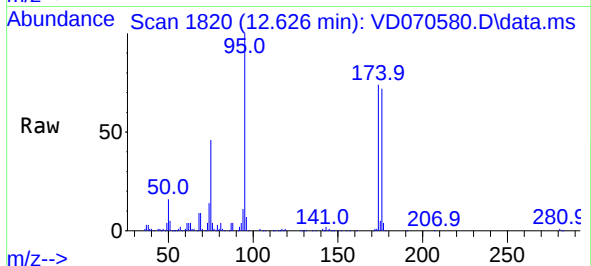




#81
trans-1,4-Dichloro-2-butene
Concen: 118.851 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

Instrument :
MSVOA_D
ClientSampleId :
HR-04-100121

Tgt Ion: 75 Resp: 133849
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.1 35.3 52.9#



#95
Naphthalene
Concen: 2.533 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

Tgt Ion: 128 Resp: 400
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

