

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070640.D
 Acq On : 08 Oct 2021 15:50
 Operator : VA/SY
 Sample : M3990-08
 Misc : 7.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 02:23:42 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)

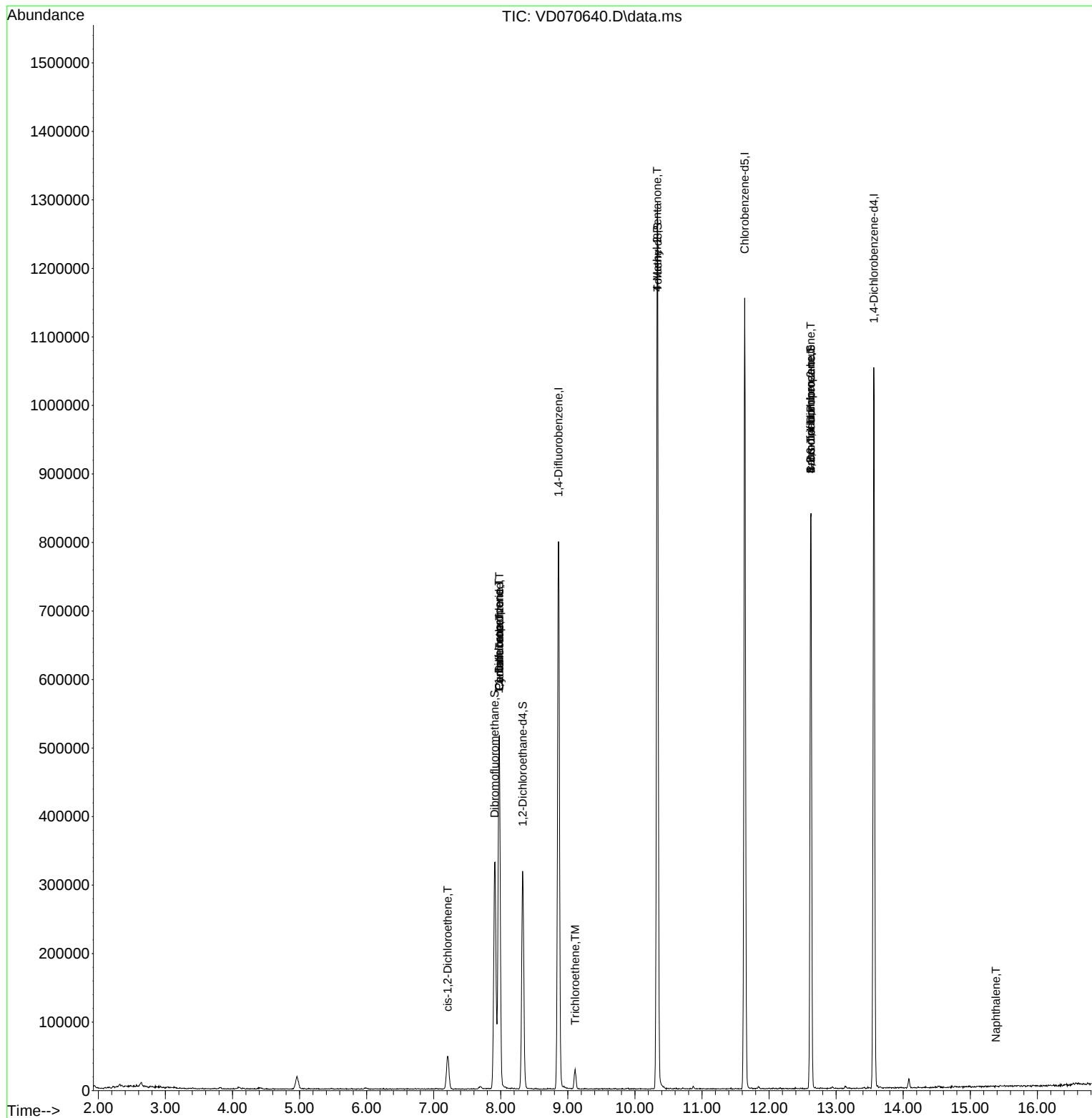
Internal Standards						
1) Pentafluorobenzene	7.979	168	373616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	719484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	684270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	285160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	250700	57.017	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.040%	
35) Dibromofluoromethane	7.908	113	249921	52.246	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.500%	
50) Toluene-d8	10.338	98	921679	50.401	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.800%	
62) 4-Bromofluorobenzene	12.620	95	285446	46.703	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.400%	
Target Compounds						
5) Bromomethane	2.773	94	708	Below Cal	Qvalue 88	
20) Methylene Chloride	4.956	84	14530	Below Cal	# 87	
27) cis-1,2-Dichloroethene	7.208	96	32717	6.037	ug/l	84
31) Cyclohexane	7.979	56	8614	1.058	ug/l	# 1
36) 1,1-Dichloropropene	7.973	75	32169	4.210	ug/l	# 50
38) Carbon Tetrachloride	7.979	117	40571	5.073	ug/l	# 16
44) Trichloroethene	9.108	130	10165	1.830	ug/l	93
51) 4-Methyl-2-Pentanone	10.332	43	3177	1.324	ug/l	# 1
71) Bromoform	12.620	173	2974	1.167	ug/l	# 1
76) 1,2,3-Trichloropropane	12.620	75	137205	53.159	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	137205	118.023	ug/l	# 17
95) Naphthalene	15.384	128	378	2.529	ug/l	# 69

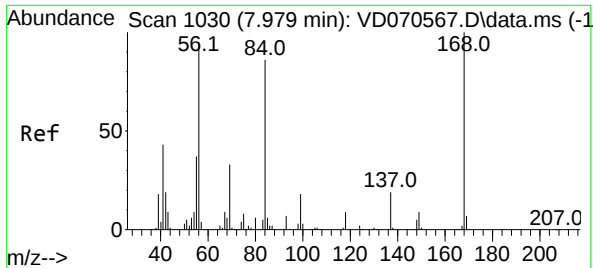
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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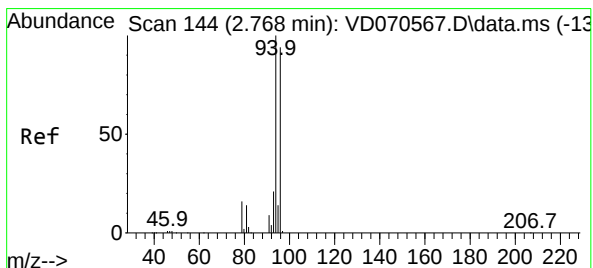
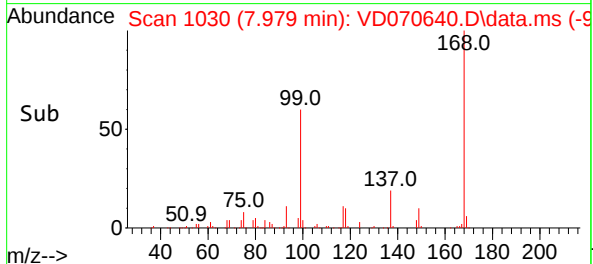
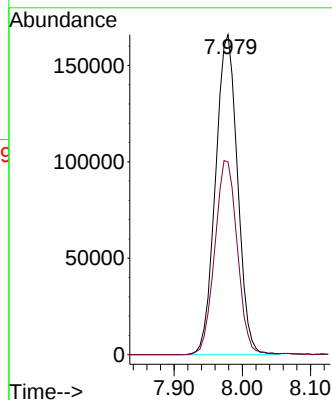
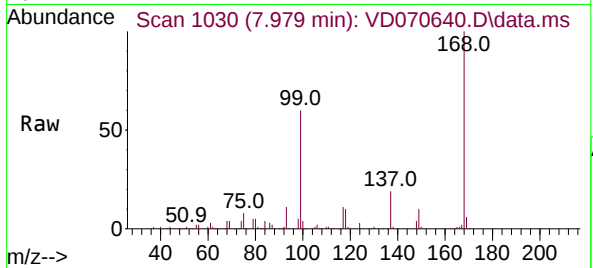




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

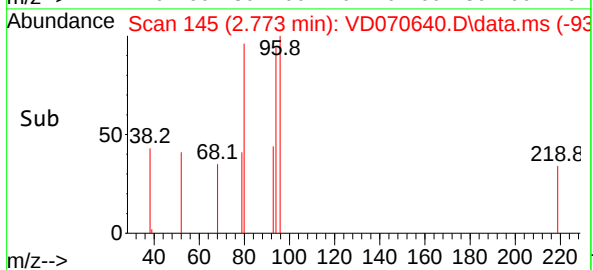
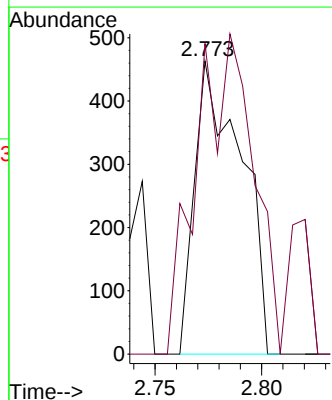
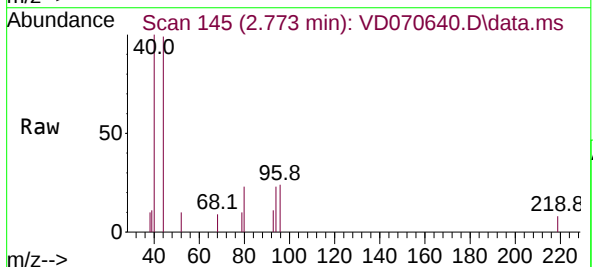
Instrument :
MSVOA_D
ClientSampleId :

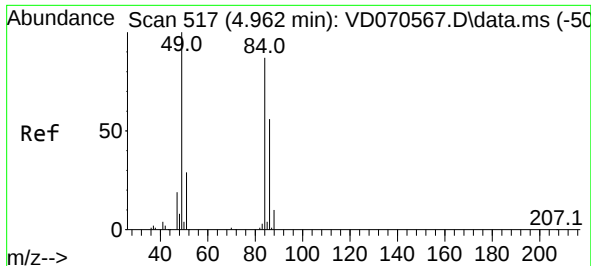
Tgt Ion:168 Resp: 373616
Ion Ratio Lower Upper
168 100
99 60.3 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

Tgt Ion: 94 Resp: 708
Ion Ratio Lower Upper
94 100
96 106.0 75.5 113.3

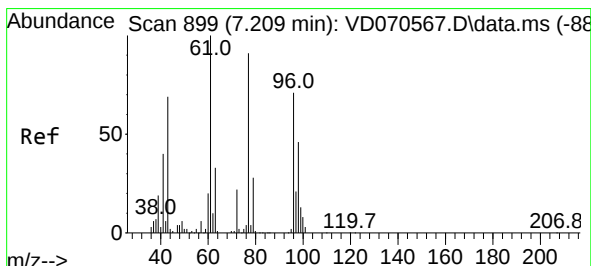
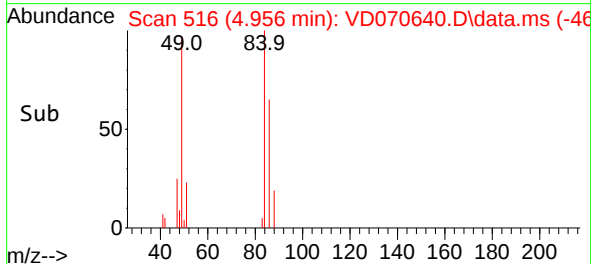
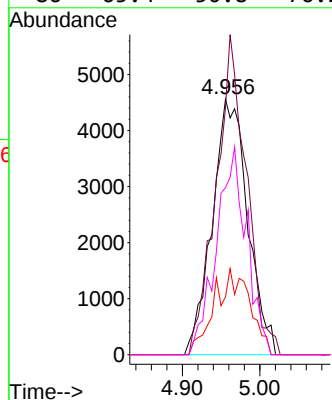
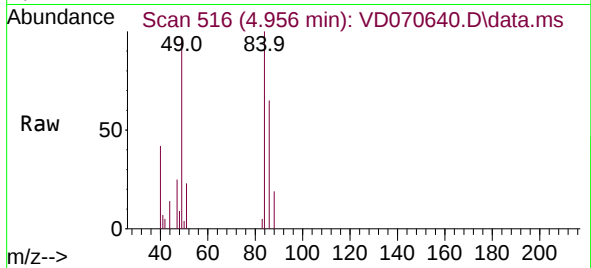




#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

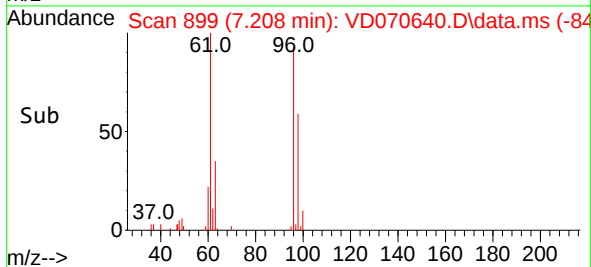
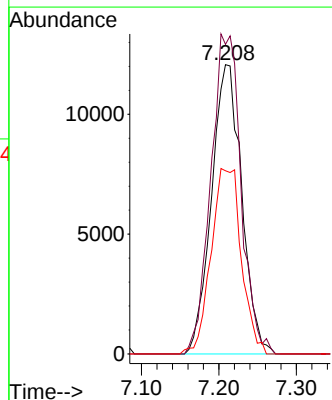
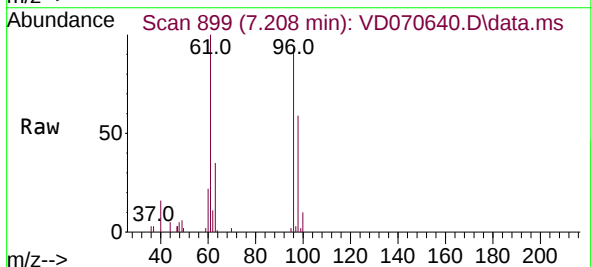
Instrument :
MSVOA_D
ClientSampleId :

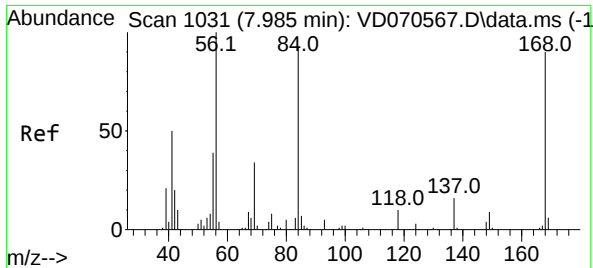
Tgt Ion:	84	Resp:	14530
Ion	Ratio	Lower	Upper
84	100		
49	96.6	91.4	137.2
51	22.6	26.7	40.1#
86	65.4	50.8	76.2



#27
cis-1,2-Dichloroethene
Concen: 6.037 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

Tgt Ion:	96	Resp:	32717
Ion	Ratio	Lower	Upper
96	100		
61	110.6	0.0	278.2
98	64.1	0.0	128.6

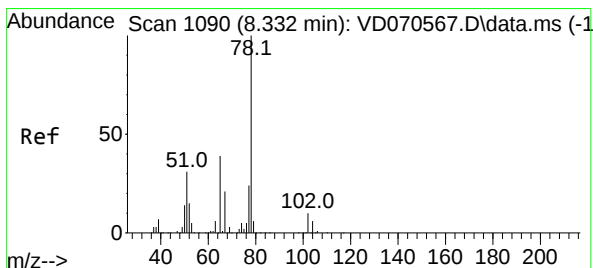
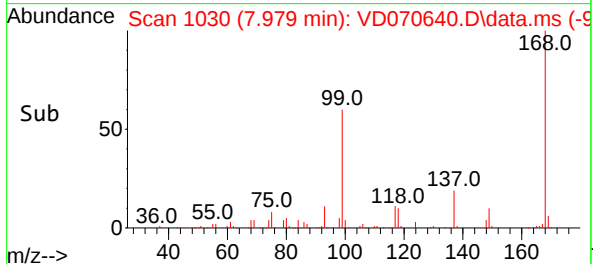
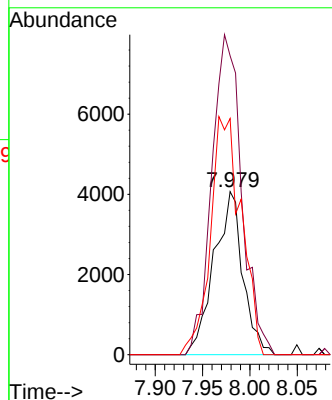
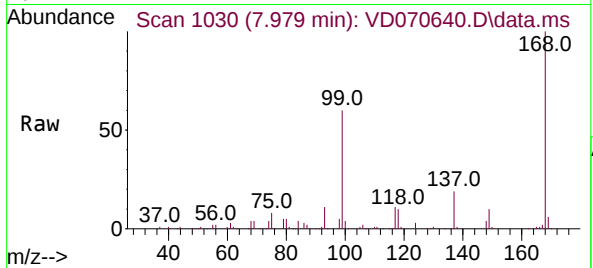




#31
Cyclohexane
Concen: 1.058 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

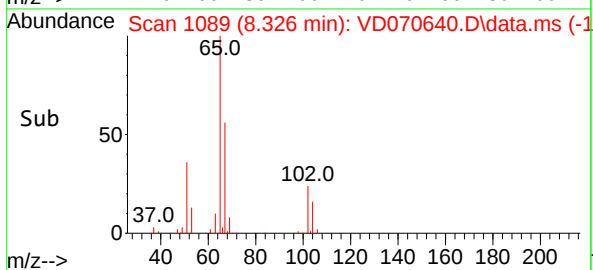
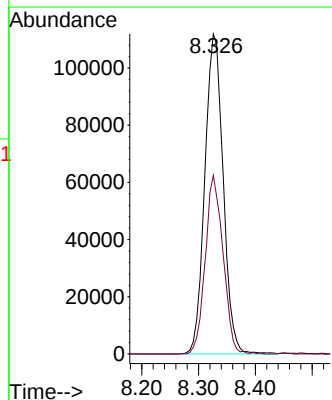
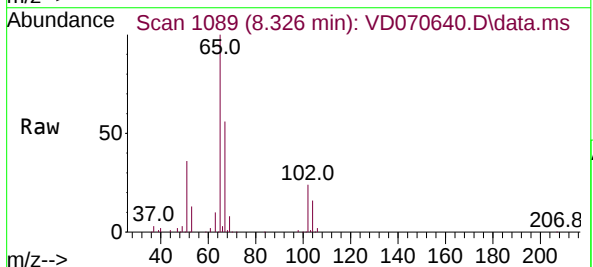
Instrument :
MSVOA_D
ClientSampleId :

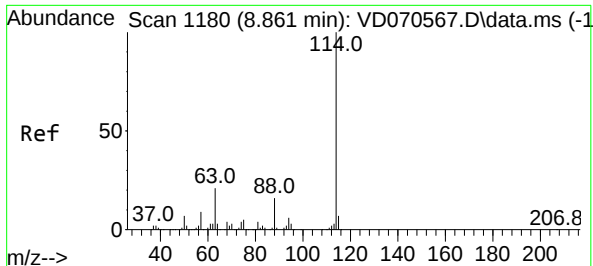
Tgt Ion: 56 Resp: 8614
Ion Ratio Lower Upper
56 100
69 183.4 27.4 41.2#
84 144.8 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 57.017 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

Tgt Ion: 65 Resp: 250700
Ion Ratio Lower Upper
65 100
67 53.9 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: VD070640.D

Acq: 08 Oct 2021 15:50

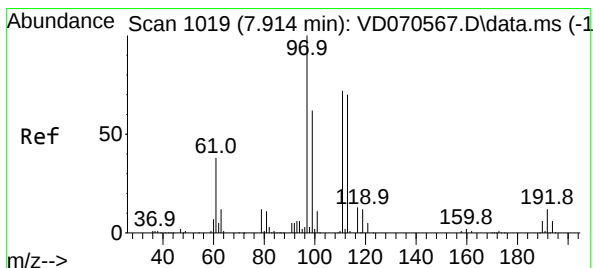
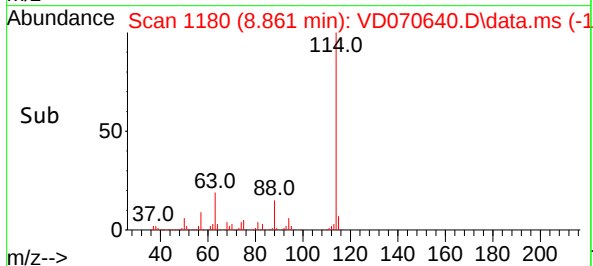
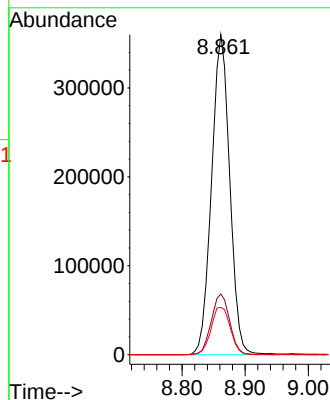
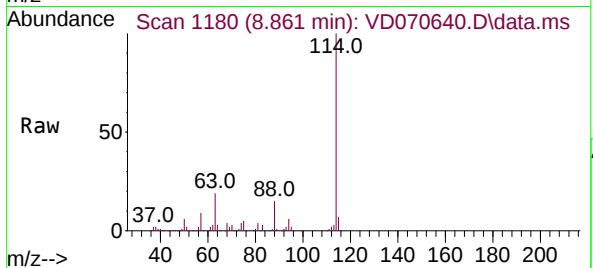
Tgt Ion:114 Resp: 719484

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.8

88 14.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.246 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070640.D

Acq: 08 Oct 2021 15:50

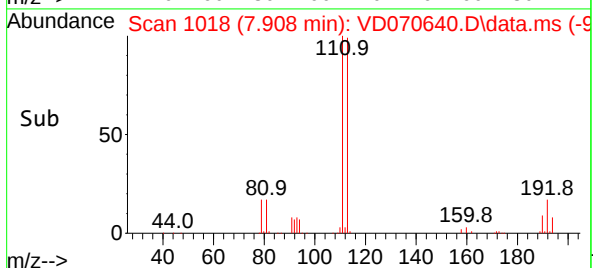
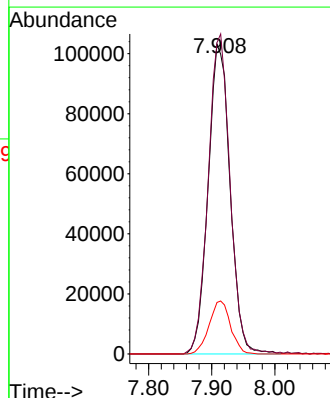
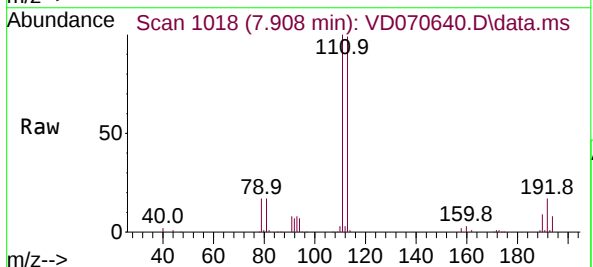
Tgt Ion:113 Resp: 249921

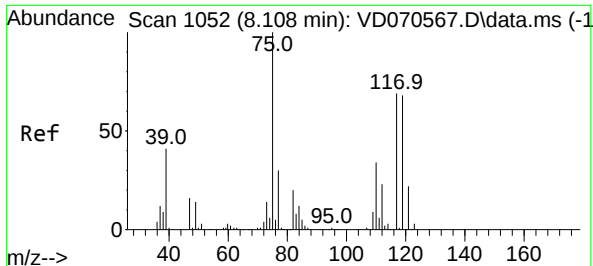
Ion Ratio Lower Upper

113 100

111 102.5 83.1 124.7

192 16.6 12.7 19.1



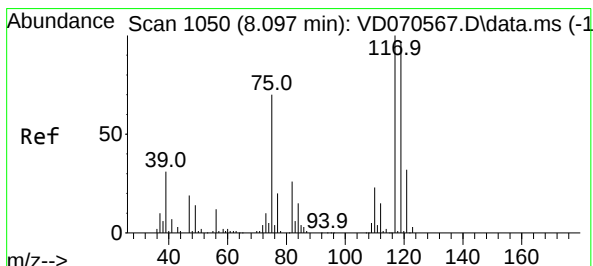
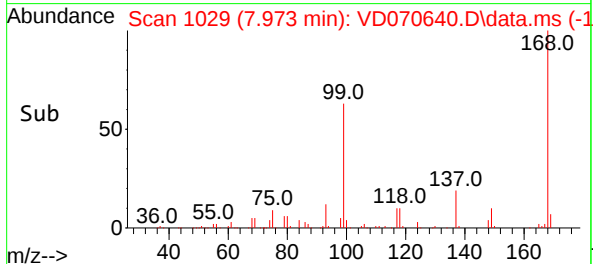
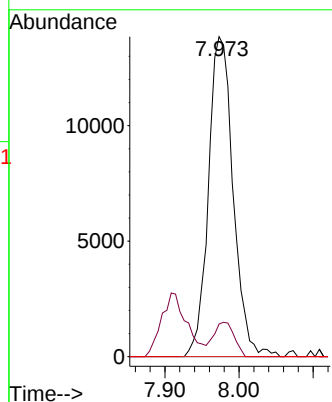
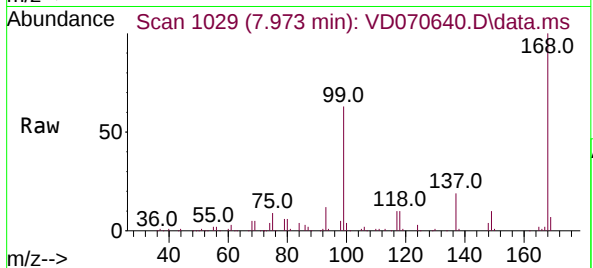


#36

1,1-Dichloropropene
Concen: 4.210 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

Instrument :
MSVOA_D
ClientSampled :

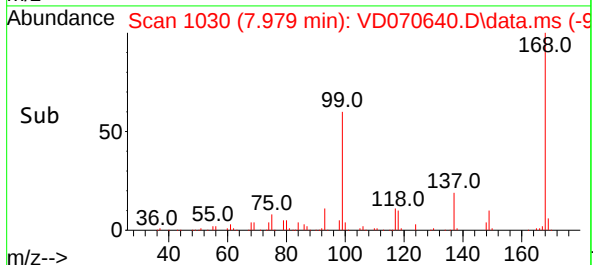
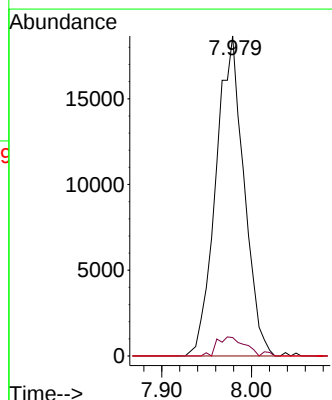
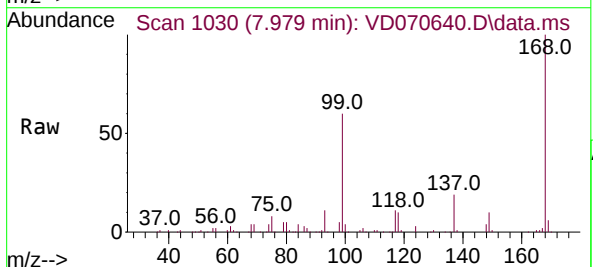
Tgt Ion: 75 Resp: 32169
Ion Ratio Lower Upper
75 100
110 8.9 17.2 51.6#
77 0.0 24.2 36.4#

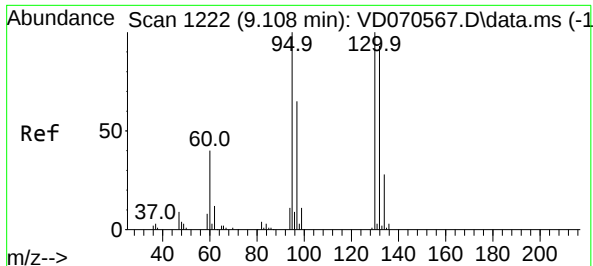


#38

Carbon Tetrachloride
Concen: 5.073 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

Tgt Ion: 117 Resp: 40571
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.0#
121 0.0 25.4 38.0#

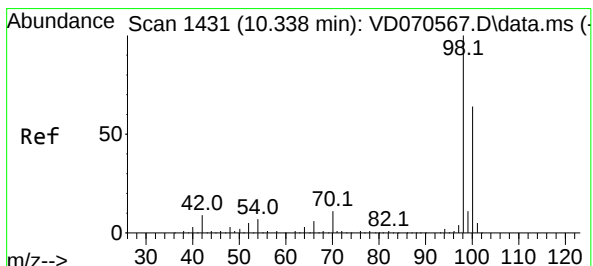
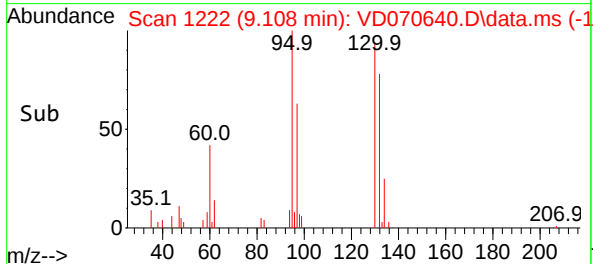
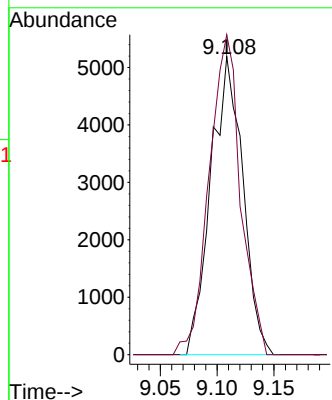
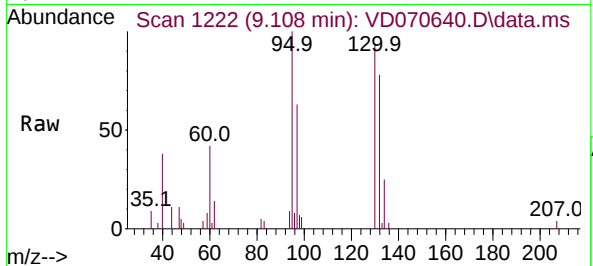




#44
Trichloroethene
Concen: 1.830 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

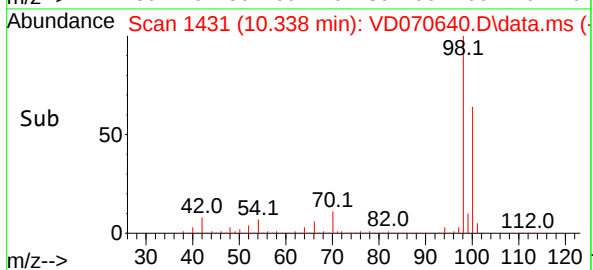
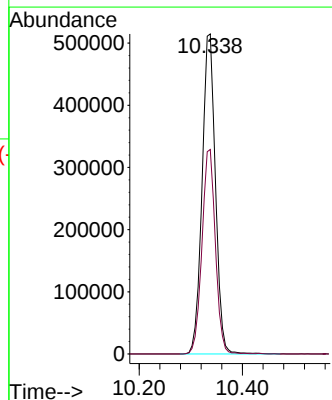
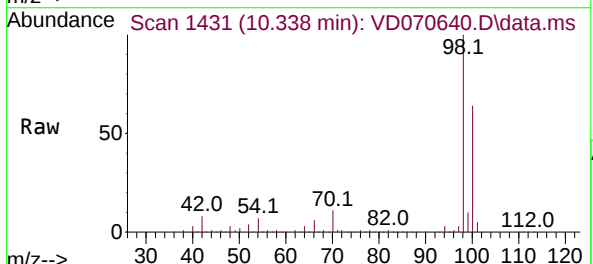
Instrument :
MSVOA_D
ClientSampled :

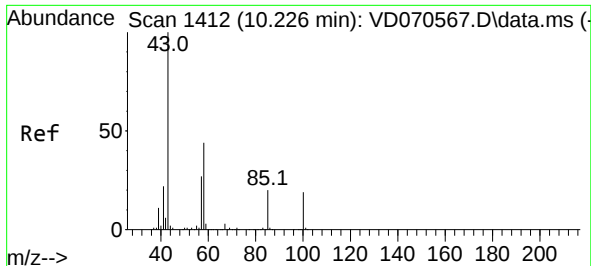
Tgt Ion:130 Resp: 10165
Ion Ratio Lower Upper
130 100
95 107.3 0.0 200.8



#50
Toluene-d8
Concen: 50.401 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

Tgt Ion: 98 Resp: 921679
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4

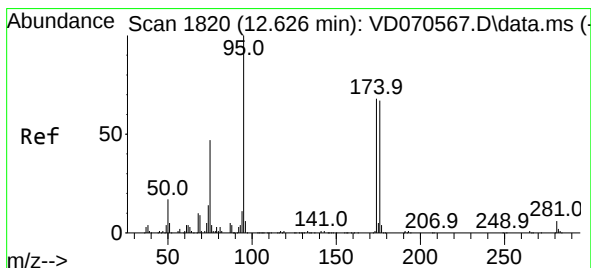
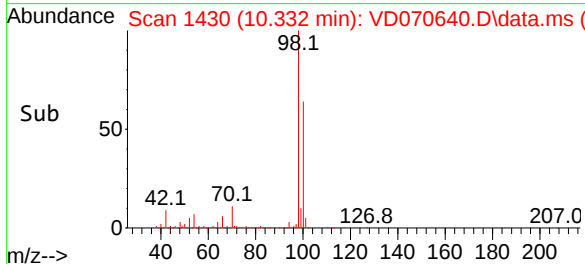
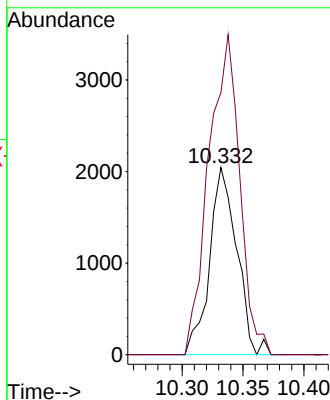
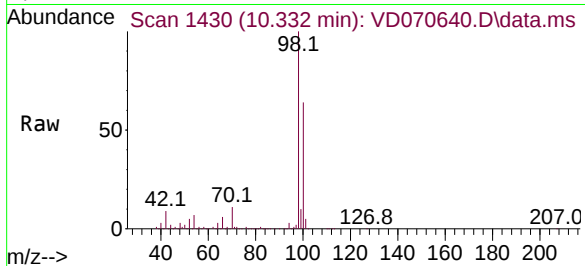




#51
4-Methyl-2-Pentanone
Concen: 1.324 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

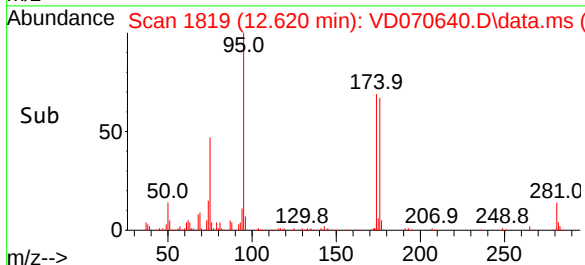
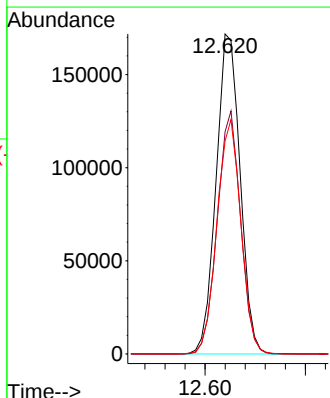
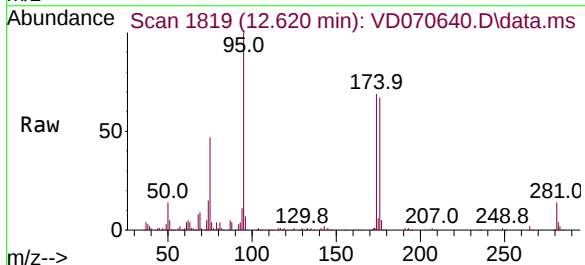
Instrument :
MSVOA_D
ClientSampled :

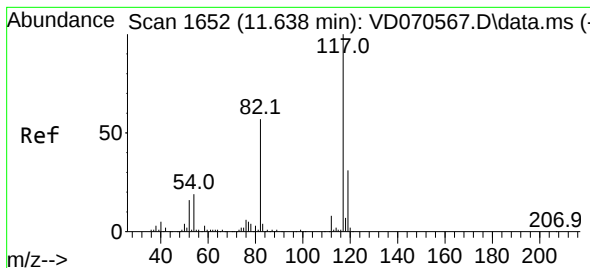
Tgt Ion: 43 Resp: 3177
Ion Ratio Lower Upper
43 100
58 195.0 35.0 52.6#



#62
4-Bromofluorobenzene
Concen: 46.703 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

Tgt Ion: 95 Resp: 285446
Ion Ratio Lower Upper
95 100
174 73.7 0.0 138.0
176 72.8 0.0 135.6

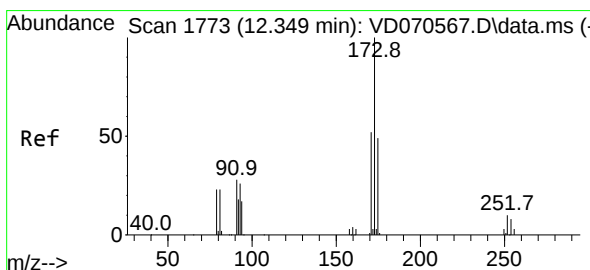
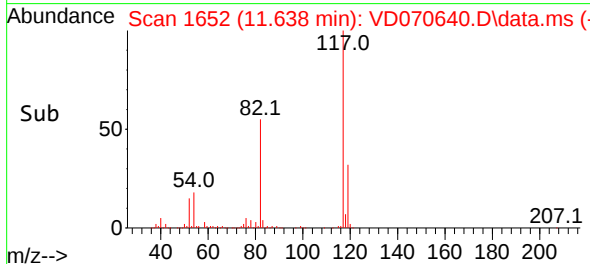
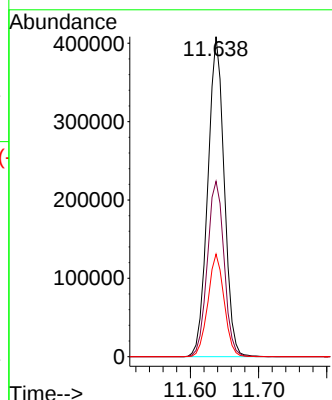
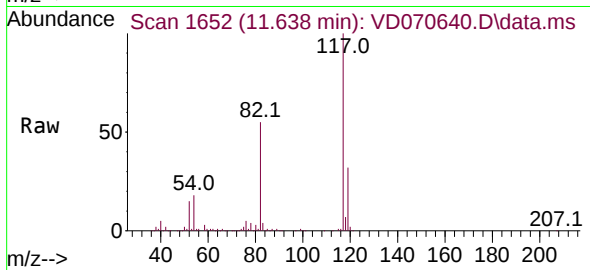




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

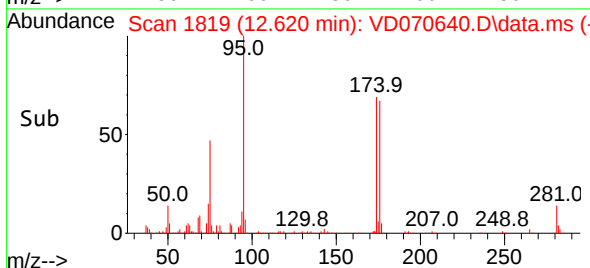
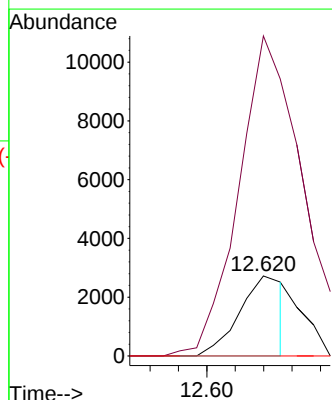
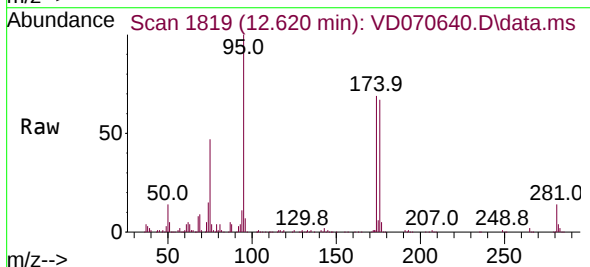
Instrument :
MSVOA_D
ClientSampled :

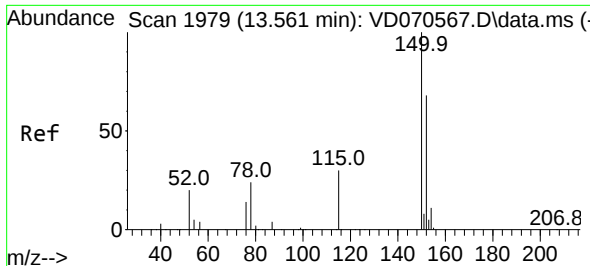
Tgt Ion:117 Resp: 684270
Ion Ratio Lower Upper
117 100
82 54.8 45.4 68.2
119 32.0 24.7 37.1



#71
Bromoform
Concen: 1.167 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.270 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

Tgt Ion:173 Resp: 2974
Ion Ratio Lower Upper
173 100
175 401.3 24.4 73.4#
254 0.0 0.0 0.0

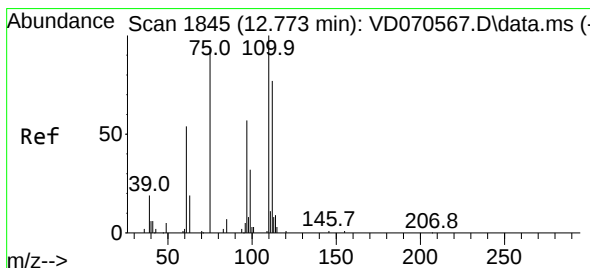
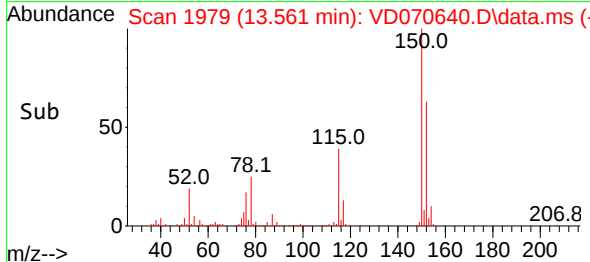
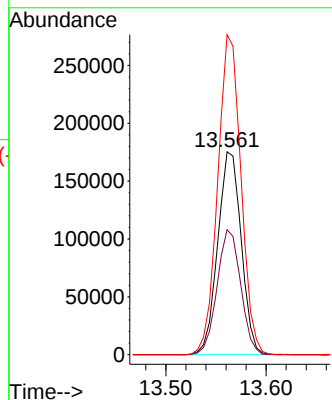
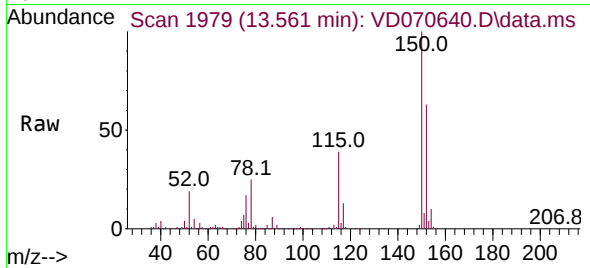




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

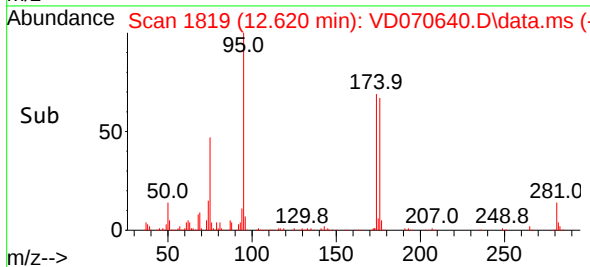
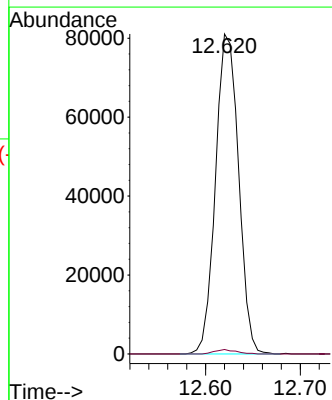
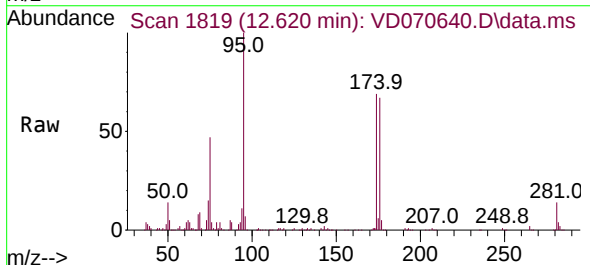
Instrument :
MSVOA_D
ClientSampled :

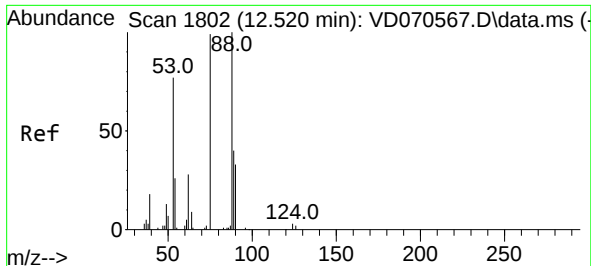
Tgt Ion:152 Resp: 285160
Ion Ratio Lower Upper
152 100
115 61.8 31.9 95.7
150 156.2 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 53.159 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

Tgt Ion: 75 Resp: 137205
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

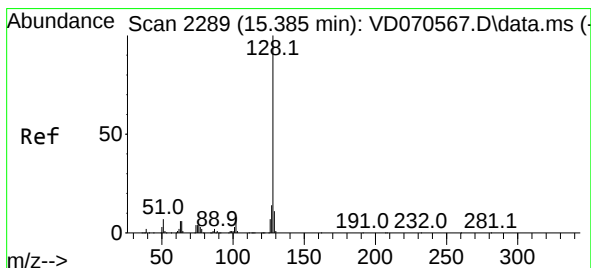
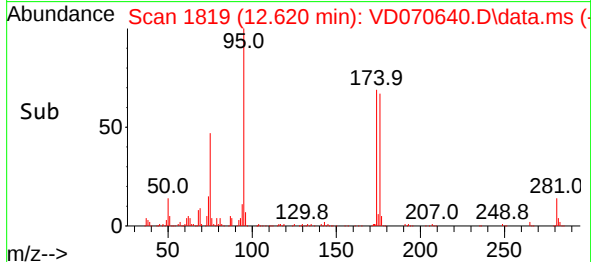
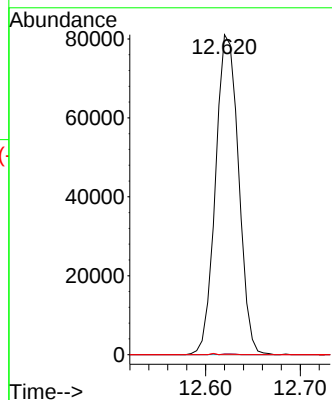
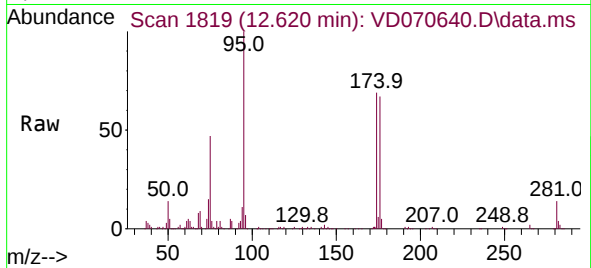




#81
trans-1,4-Dichloro-2-butene
Concen: 118.023 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 137205
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.1 35.3 52.9#



#95
Naphthalene
Concen: 2.529 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070640.D
Acq: 08 Oct 2021 15:50

Tgt Ion:128 Resp: 378
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

