

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070226.D
 Acq On : 23 Aug 2021 17:19
 Operator : VA/SY
 Sample : M3463-39
 Misc : 6.40G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 24 01:32:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

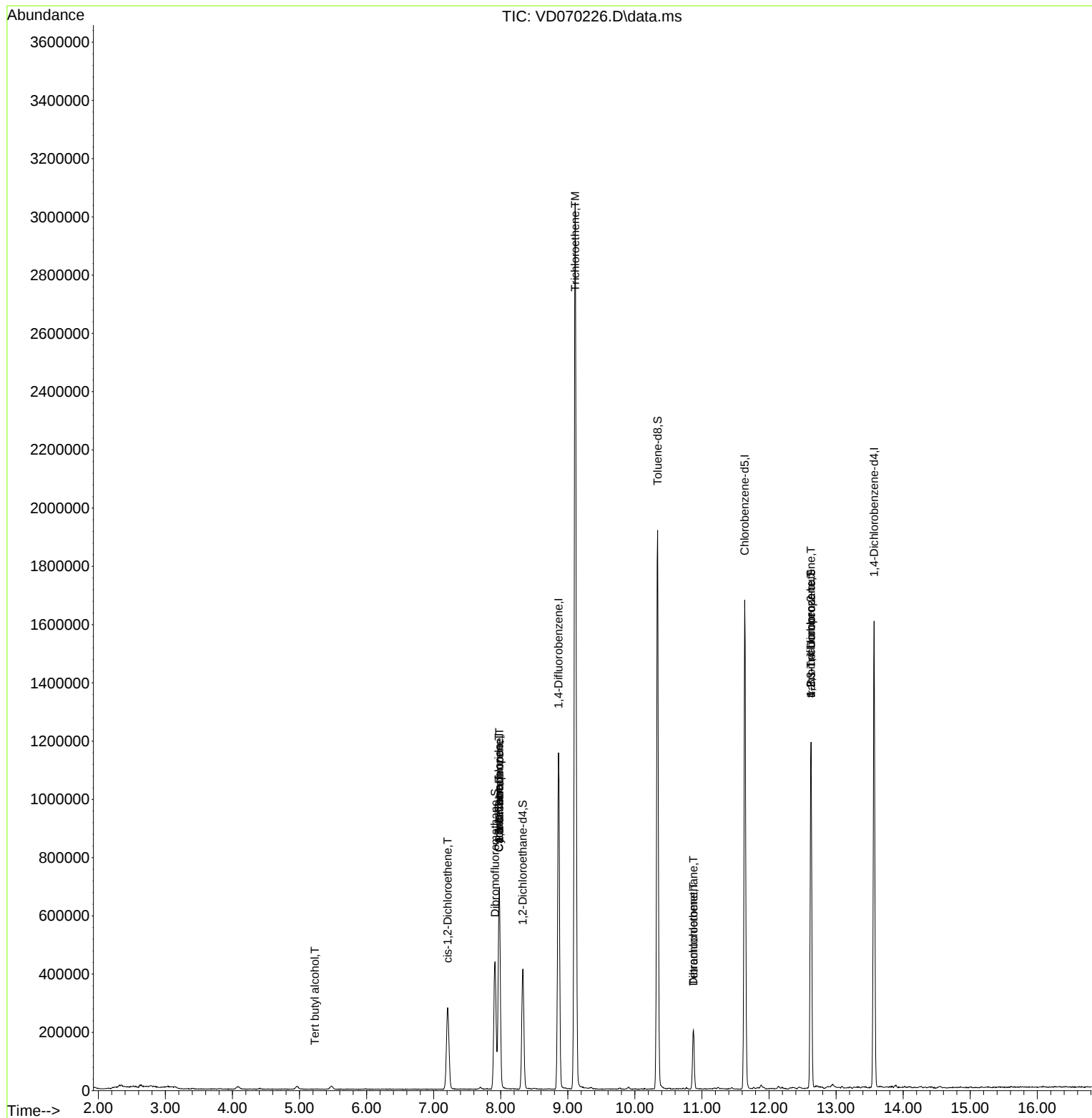
Internal Standards						
1) Pentafluorobenzene	7.979	168	482135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	974757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	975595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	409983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	325789	57.452	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.900%
35) Dibromofluoromethane	7.914	113	333136	52.899	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.800%
50) Toluene-d8	10.338	98	1292560	52.770	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.540%
62) 4-Bromofluorobenzene	12.626	95	425548	52.747	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	206	Below Cal	#	42
3) Chloromethane	2.209	50	908	Below Cal		92
5) Bromomethane	2.779	94	2476	Below Cal	#	74
11) Tert butyl alcohol	5.226	59	814	2.597	ug/l #	71
20) Methylene Chloride	4.956	84	7532	Below Cal		97
27) cis-1,2-Dichloroethene	7.209	96	179373	25.386	ug/l	88
31) Cyclohexane	7.973	56	11447	1.020	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	43221	4.122	ug/l #	50
38) Carbon Tetrachloride	7.973	117	53192	5.587	ug/l #	15
44) Trichloroethene	9.108	130	1105506	150.461	ug/l	99
60) Dibromochloromethane	10.873	129	46965	7.541	ug/l #	10
64) Tetrachloroethene	10.873	164	45870	7.288	ug/l	97
76) 1,2,3-Trichloropropane	12.626	75	206677	49.708	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	206677	129.025	ug/l #	18

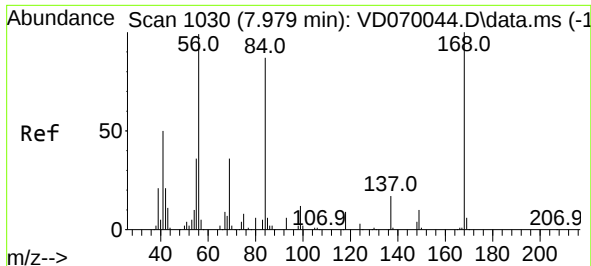
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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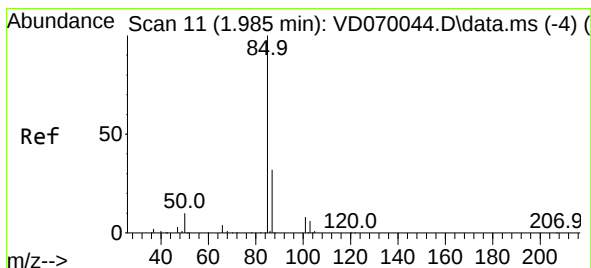
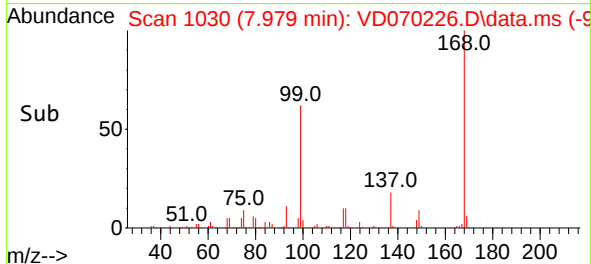
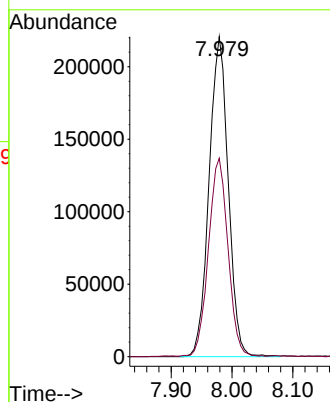
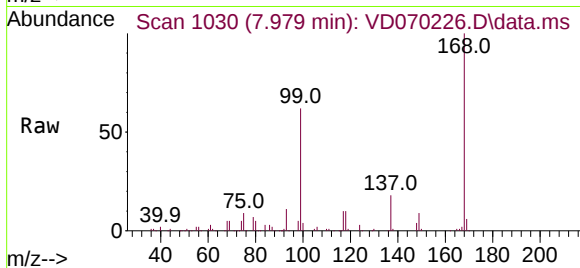




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

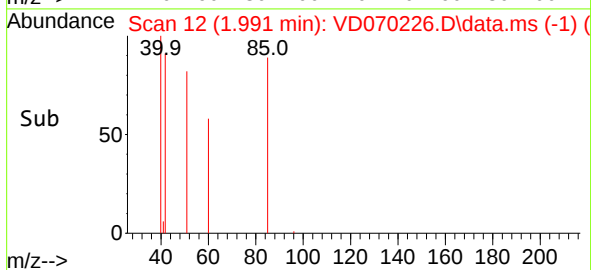
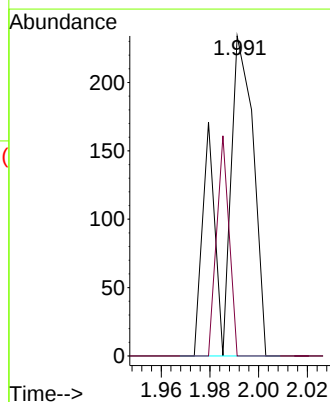
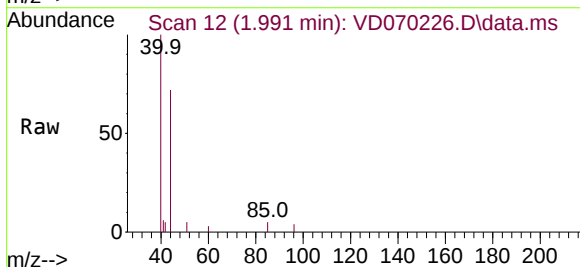
Instrument :
MSVOA_D
ClientSampled :

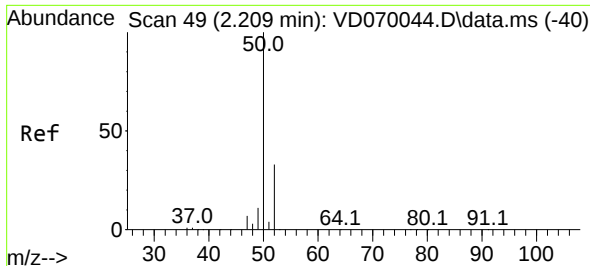
Tgt Ion:168 Resp: 482135
Ion Ratio Lower Upper
168 100
99 61.8 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

Tgt Ion: 85 Resp: 206
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

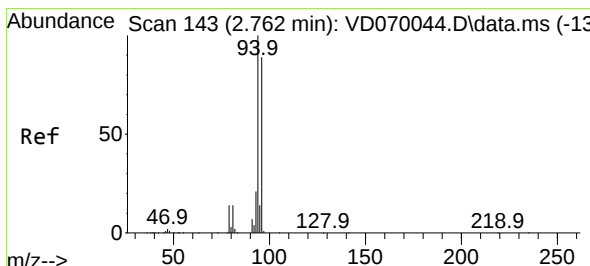
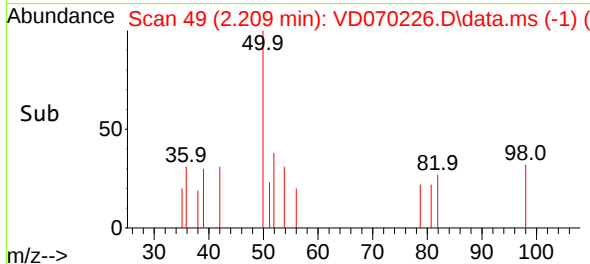
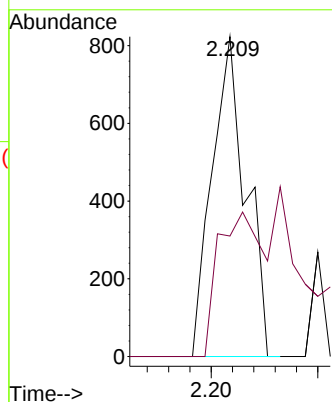
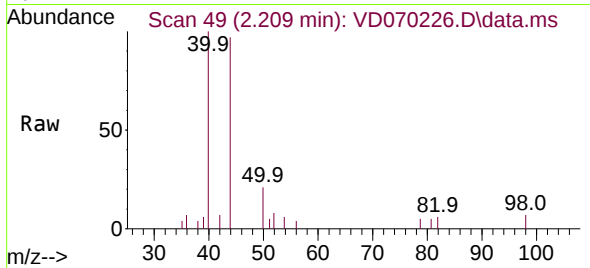




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

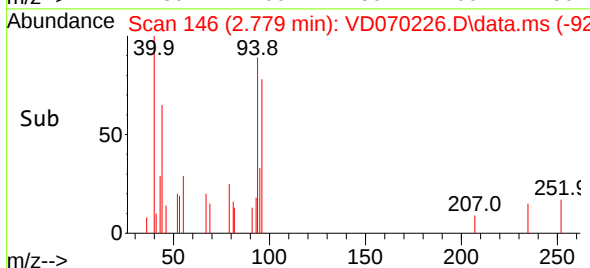
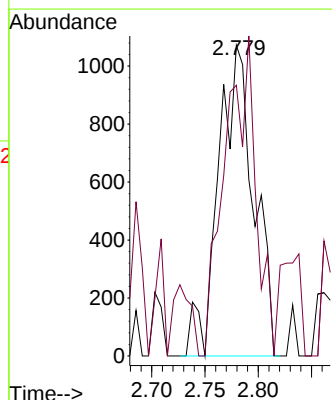
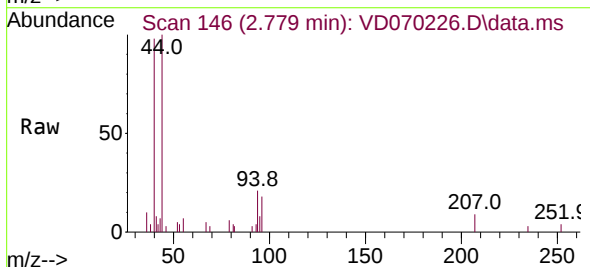
Instrument :
MSVOA_D
ClientSampled :

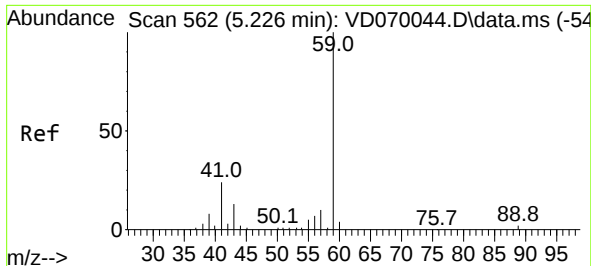
Tgt Ion: 50 Resp: 908
Ion Ratio Lower Upper
50 100
52 37.7 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

Tgt Ion: 94 Resp: 2476
Ion Ratio Lower Upper
94 100
96 64.2 70.9 106.3#



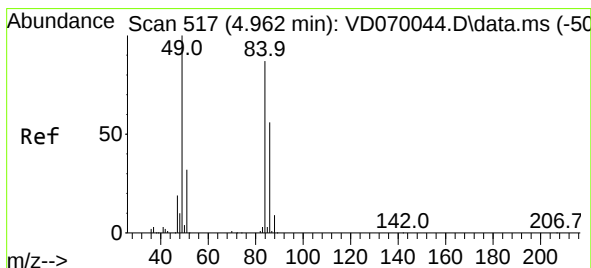
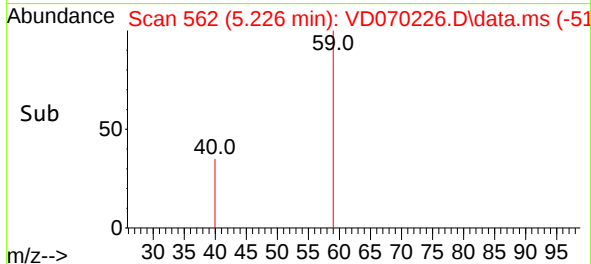
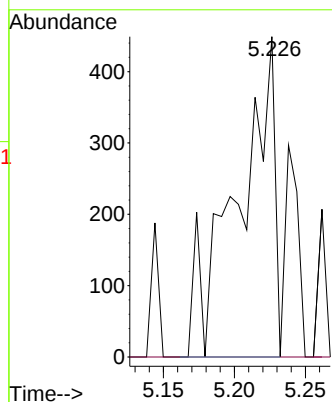
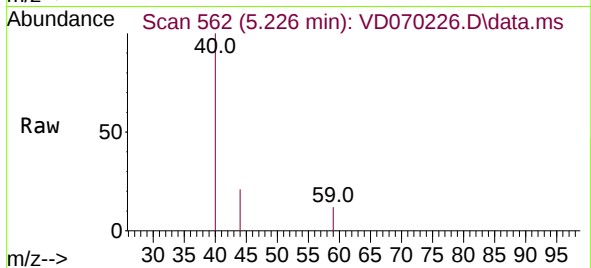


#11

Tert butyl alcohol
Concen: 2.597 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.000 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

Instrument :
MSVOA_D
ClientSampled :

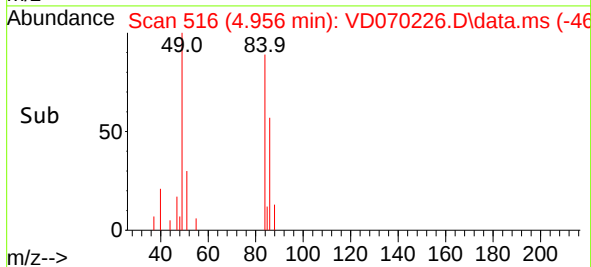
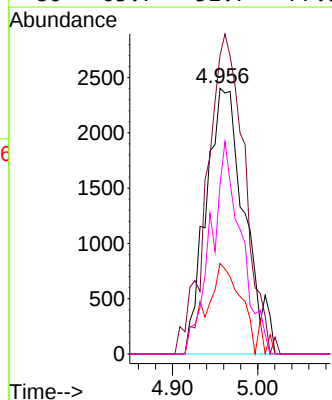
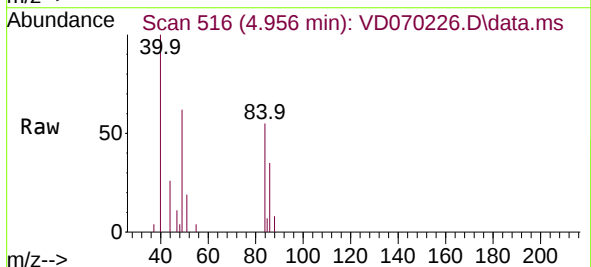
Tgt Ion: 59 Resp: 814
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

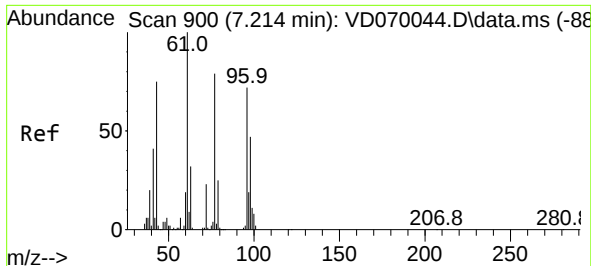


#20

Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

Tgt Ion: 84 Resp: 7532
Ion Ratio Lower Upper
84 100
49 112.5 92.5 138.7
51 34.1 29.7 44.5
86 63.7 51.7 77.5





#27

cis-1,2-Dichloroethene

Concen: 25.386 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.006 min

Lab File: VD070226.D

Acq: 23 Aug 2021 17:19

Instrument :

MSVOA_D

ClientSampleId :

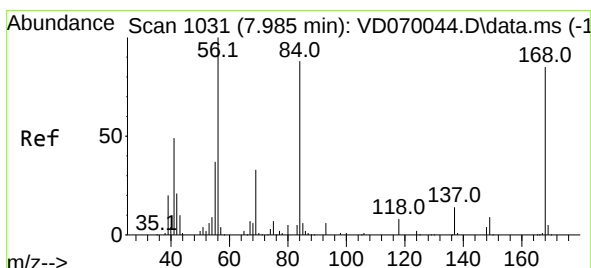
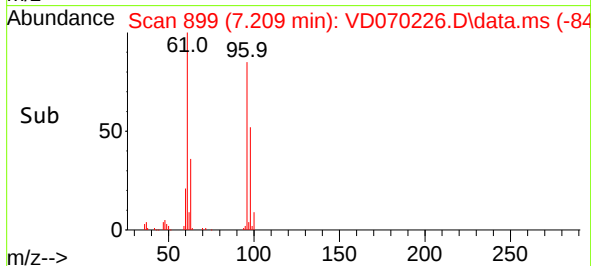
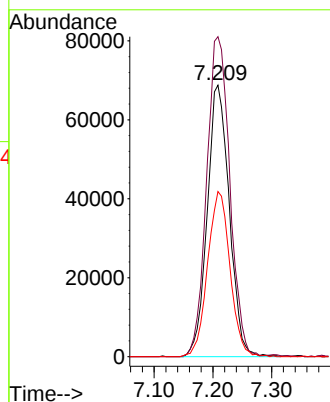
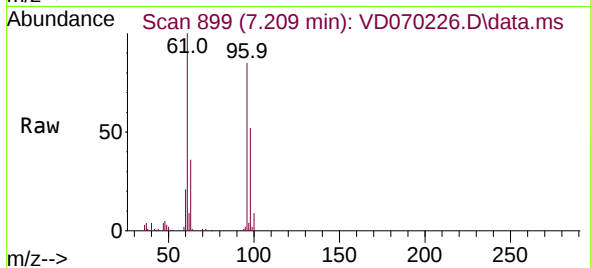
Tgt Ion: 96 Resp: 179373

Ion Ratio Lower Upper

96 100

61 123.9 0.0 288.2

98 61.9 0.0 129.6



#31

Cyclohexane

Concen: 1.020 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070226.D

Acq: 23 Aug 2021 17:19

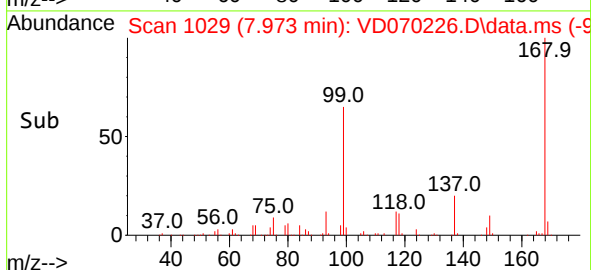
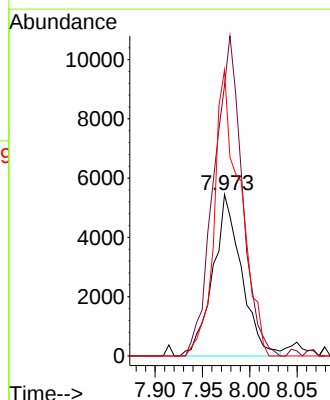
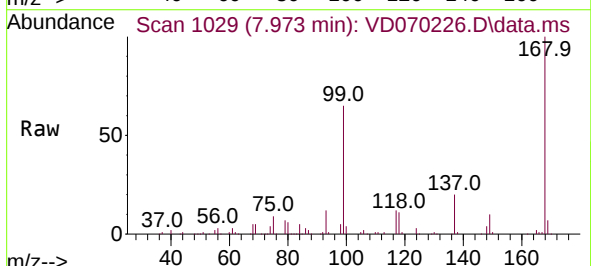
Tgt Ion: 56 Resp: 11447

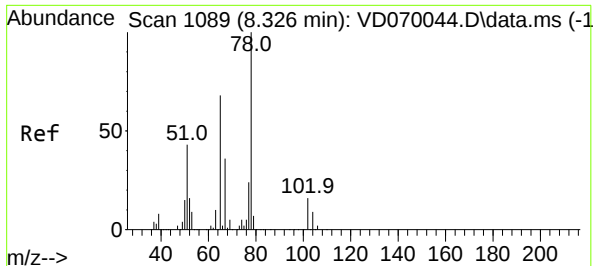
Ion Ratio Lower Upper

56 100

69 167.7 26.7 40.1#

84 181.4 70.4 105.6#



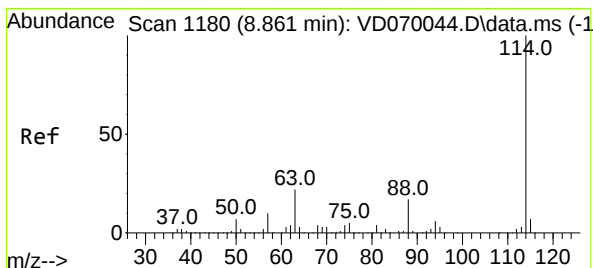
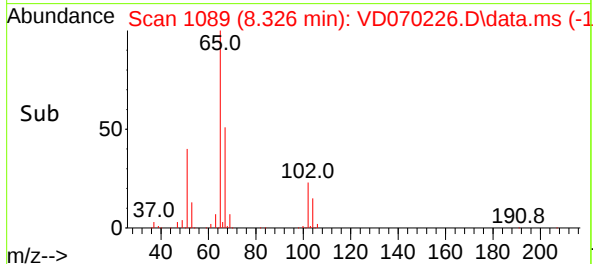
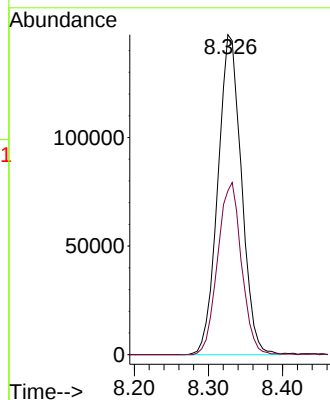
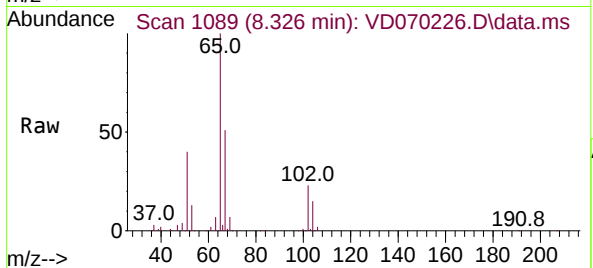


#33

1,2-Dichloroethane-d4
Concen: 57.452 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

Instrument :
MSVOA_D
ClientSampled :

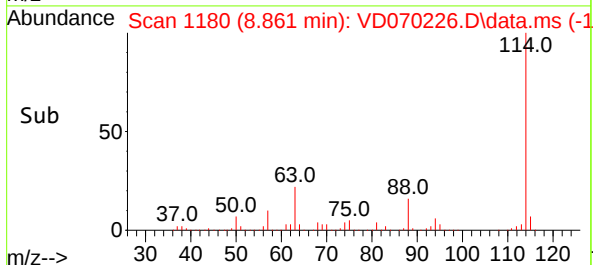
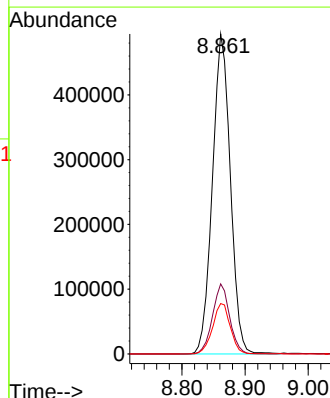
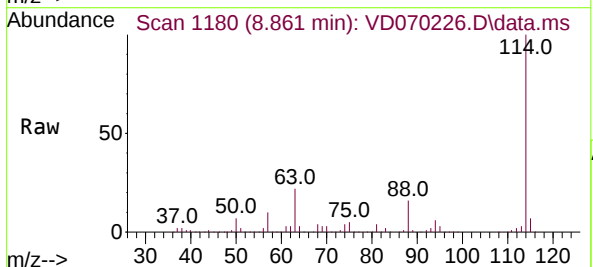
Tgt Ion: 65 Resp: 325789
Ion Ratio Lower Upper
65 100
67 54.4 0.0 107.8

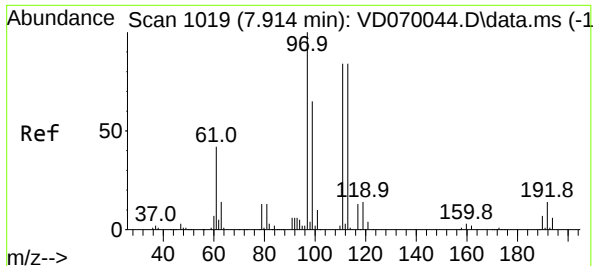


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

Tgt Ion: 114 Resp: 974757
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.6
88 15.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.899 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070226.D

Acq: 23 Aug 2021 17:19

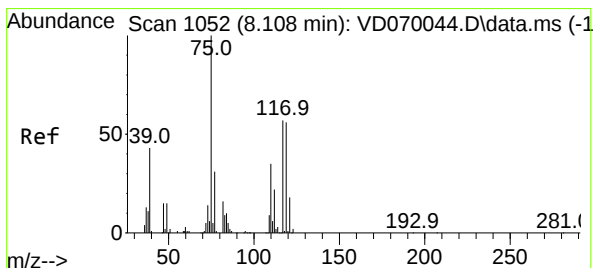
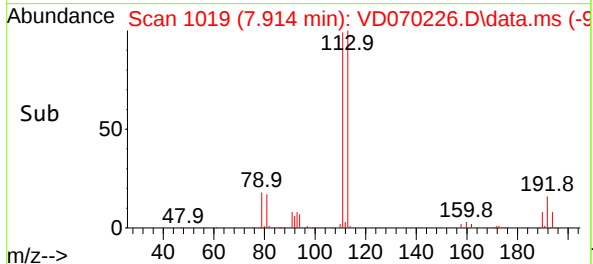
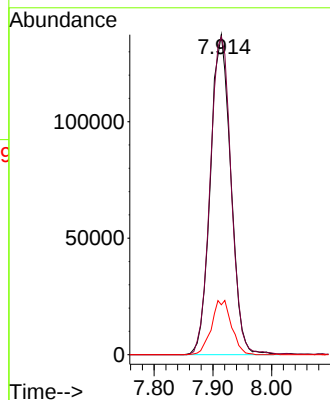
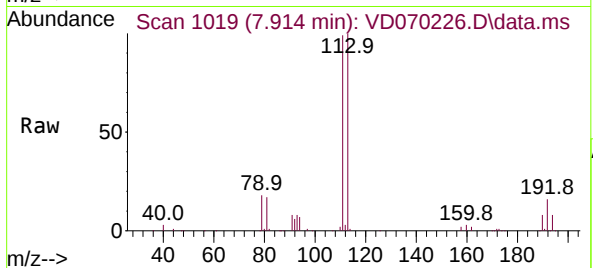
Tgt Ion:113 Resp: 333136

Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.6

192 16.6 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.122 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD070226.D

Acq: 23 Aug 2021 17:19

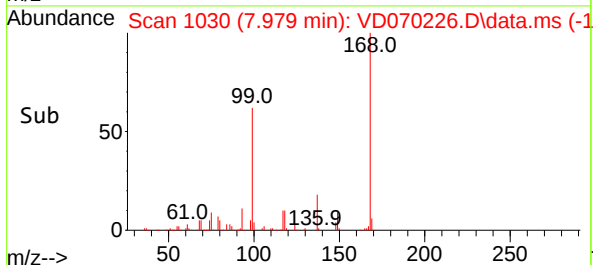
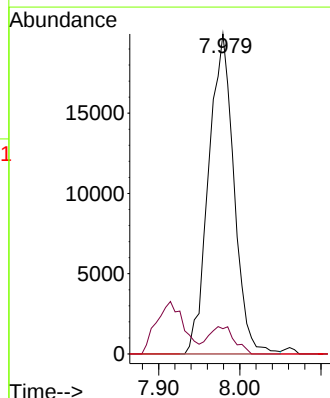
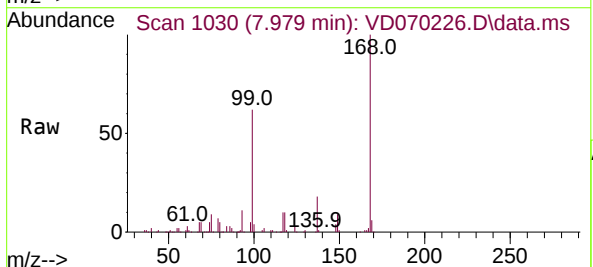
Tgt Ion: 75 Resp: 43221

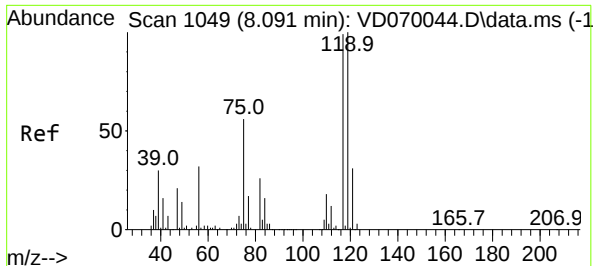
Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.7#

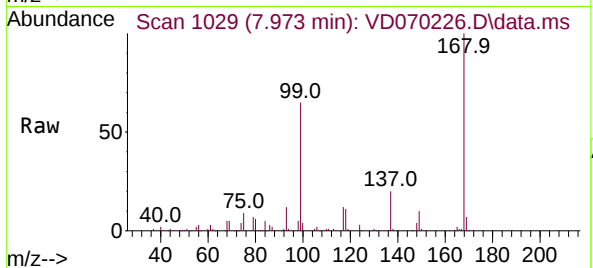
77 0.0 25.2 37.8#



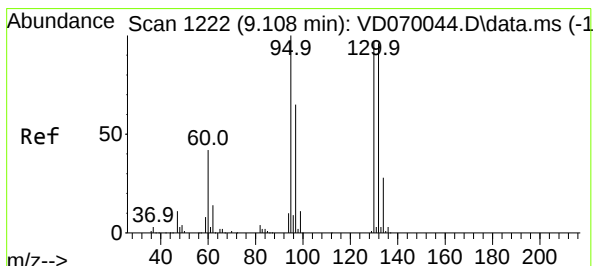
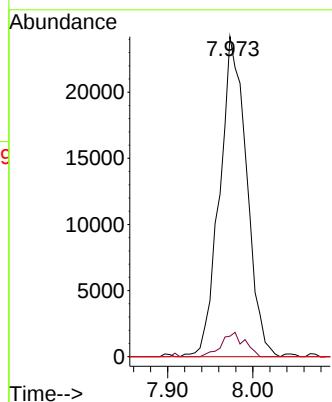
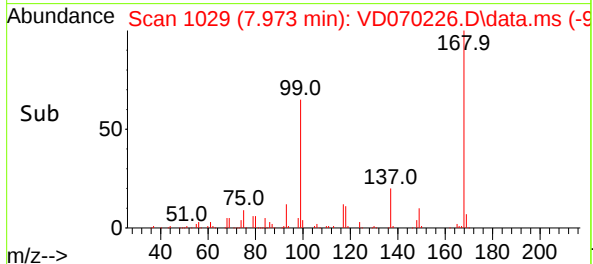


#38
Carbon Tetrachloride
Concen: 5.587 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

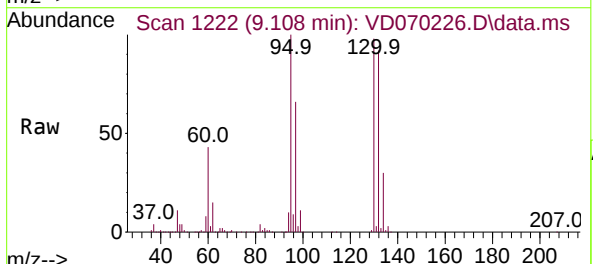
Instrument :
MSVOA_D
ClientSampled :



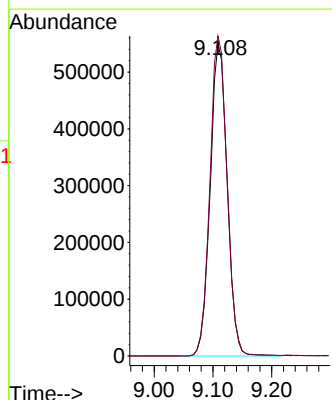
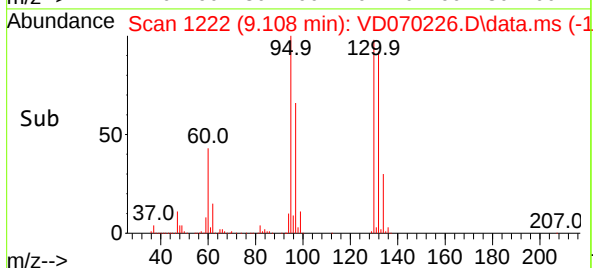
Tgt Ion:117 Resp: 53192
Ion Ratio Lower Upper
117 100
119 6.4 81.0 121.6#
121 0.0 25.0 37.6#

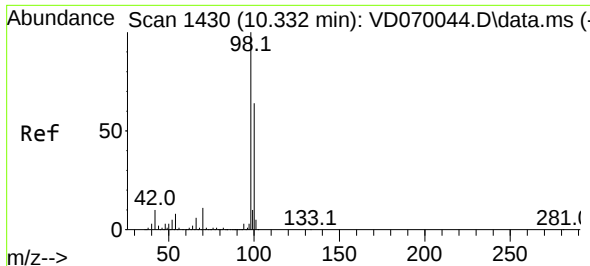


#44
Trichloroethene
Concen: 150.461 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19



Tgt Ion:130 Resp: 1105506
Ion Ratio Lower Upper
130 100
95 102.4 0.0 206.4

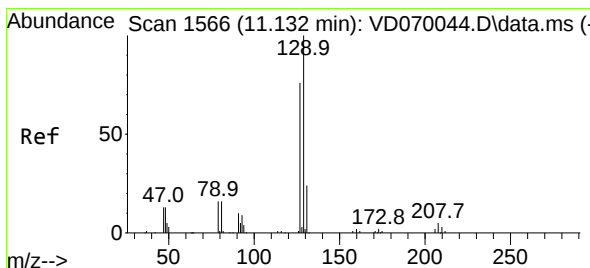
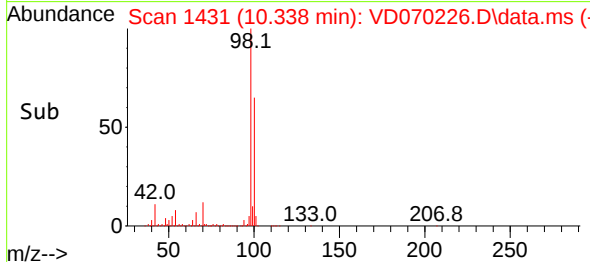
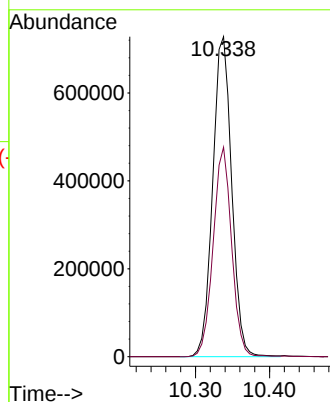
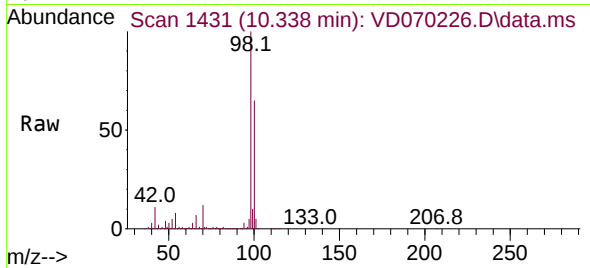




#50
Toluene-d8
Concen: 52.770 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

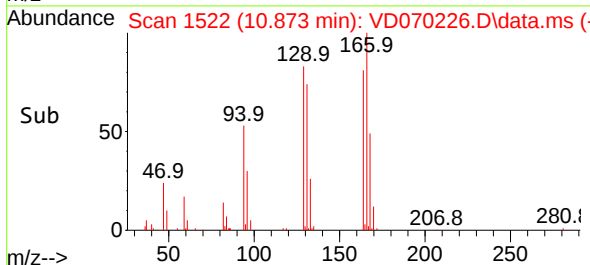
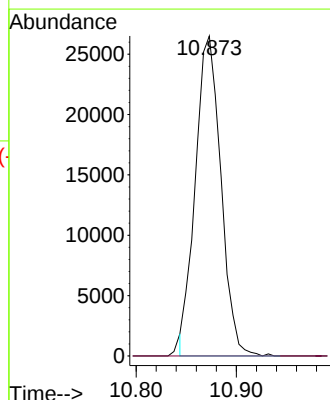
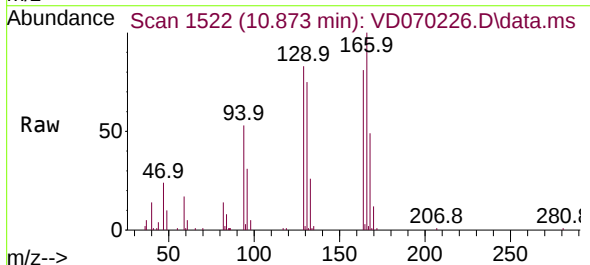
Instrument :
MSVOA_D
ClientSampled :

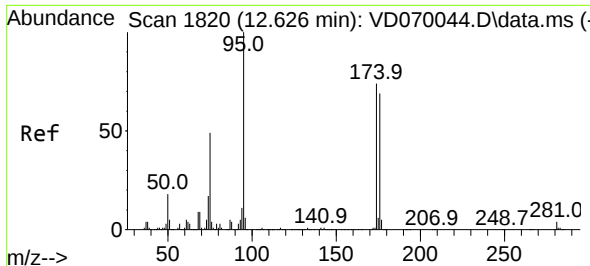
Tgt Ion: 98 Resp: 1292560
Ion Ratio Lower Upper
98 100
100 63.7 52.6 78.8



#60
Dibromochloromethane
Concen: 7.541 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.259 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

Tgt Ion: 129 Resp: 46965
Ion Ratio Lower Upper
129 100
127 0.0 39.4 118.2#

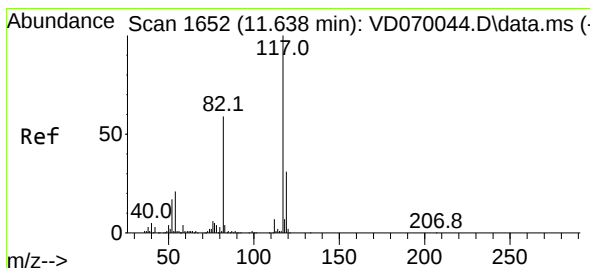
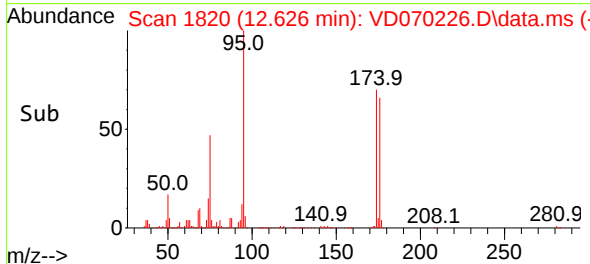
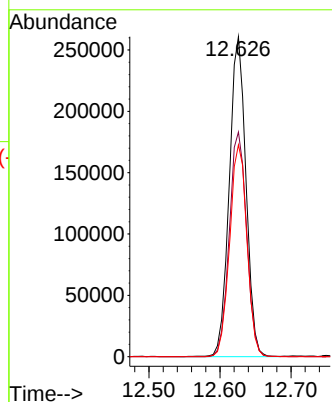
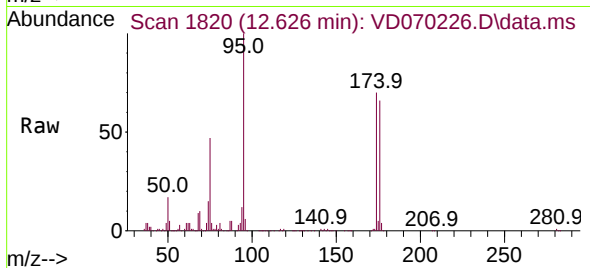




#62
4-Bromofluorobenzene
Concen: 52.747 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

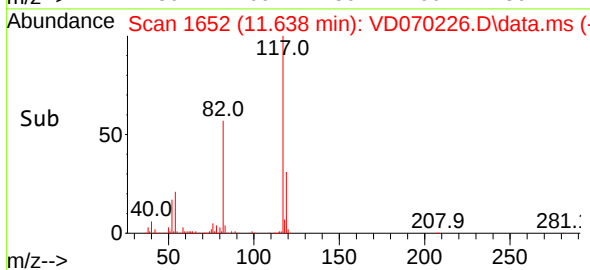
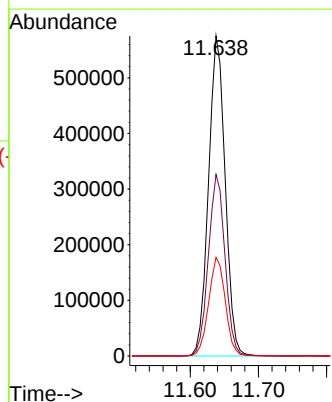
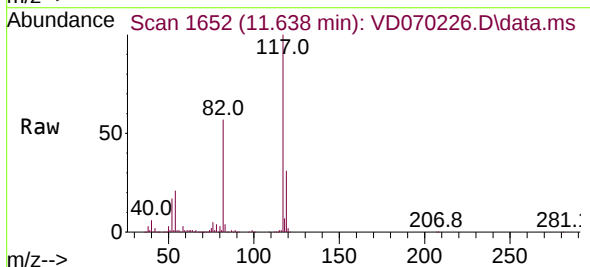
Instrument :
MSVOA_D
ClientSampleId :

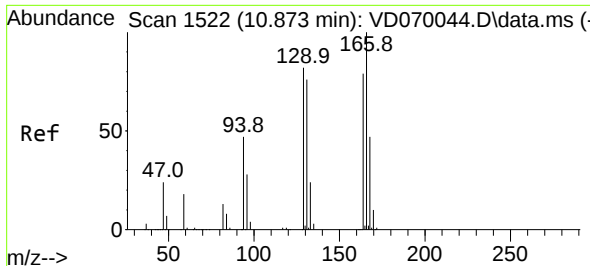
Tgt Ion: 95 Resp: 425548
Ion Ratio Lower Upper
95 100
174 72.8 0.0 141.6
176 68.2 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

Tgt Ion: 117 Resp: 975595
Ion Ratio Lower Upper
117 100
82 56.7 47.5 71.3
119 30.8 25.1 37.7



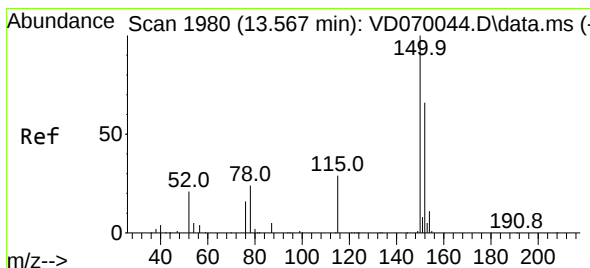
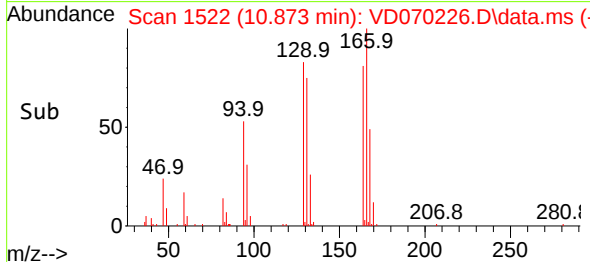
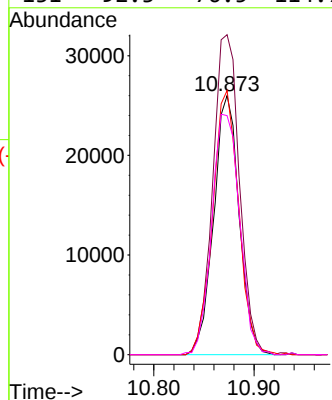
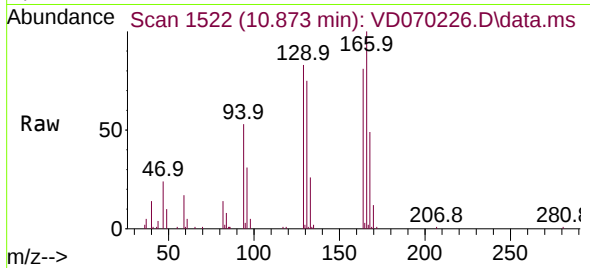


#64
Tetrachloroethene
Concen: 7.288 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:164 Resp: 45870

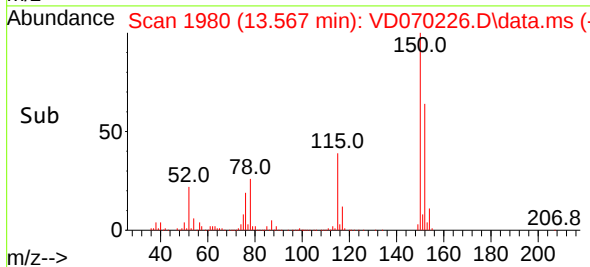
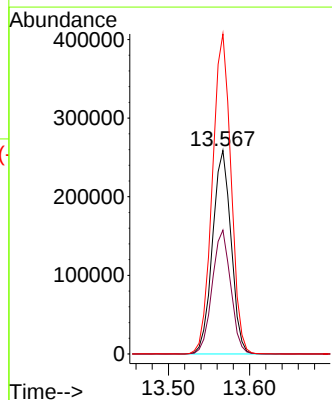
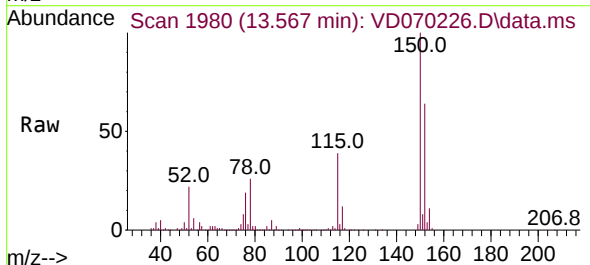
Ion	Ratio	Lower	Upper
164	100		
166	123.5	101.3	151.9
129	102.0	82.9	124.3
131	92.3	76.5	114.7

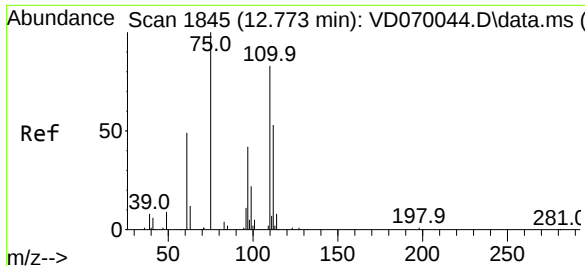


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

Tgt Ion:152 Resp: 409983

Ion	Ratio	Lower	Upper
152	100		
115	60.7	31.2	93.6
150	158.0	0.0	352.0

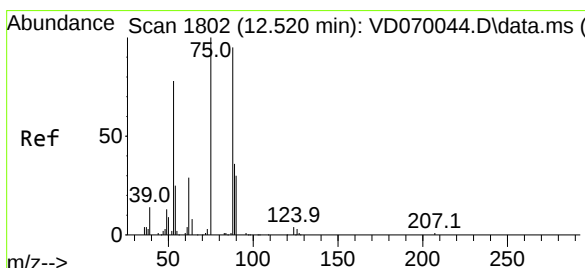
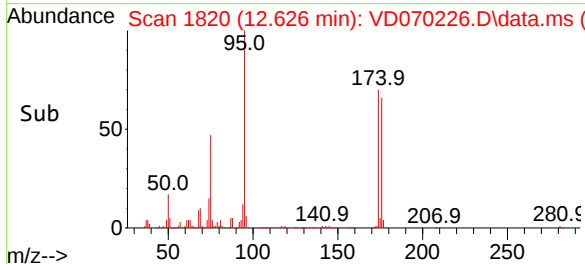
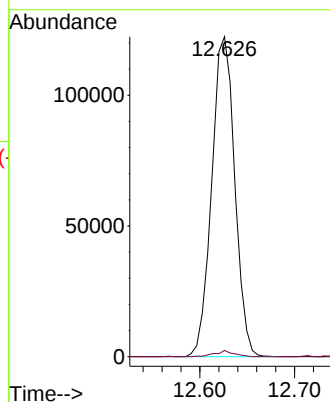
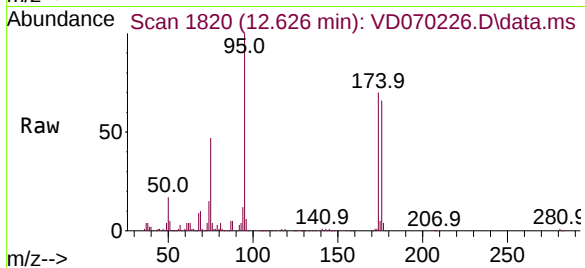




#76
1,2,3-Trichloropropane
Concen: 49.708 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 206677
Ion Ratio Lower Upper
75 100
77 1.6 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.025 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070226.D
Acq: 23 Aug 2021 17:19

Tgt Ion: 75 Resp: 206677
Ion Ratio Lower Upper
75 100
53 0.5 64.5 96.7#
89 0.0 33.7 50.5#

