

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070637.D
 Acq On : 08 Oct 2021 14:25
 Operator : VA/SY
 Sample : M4113-07
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 02:22:59 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)

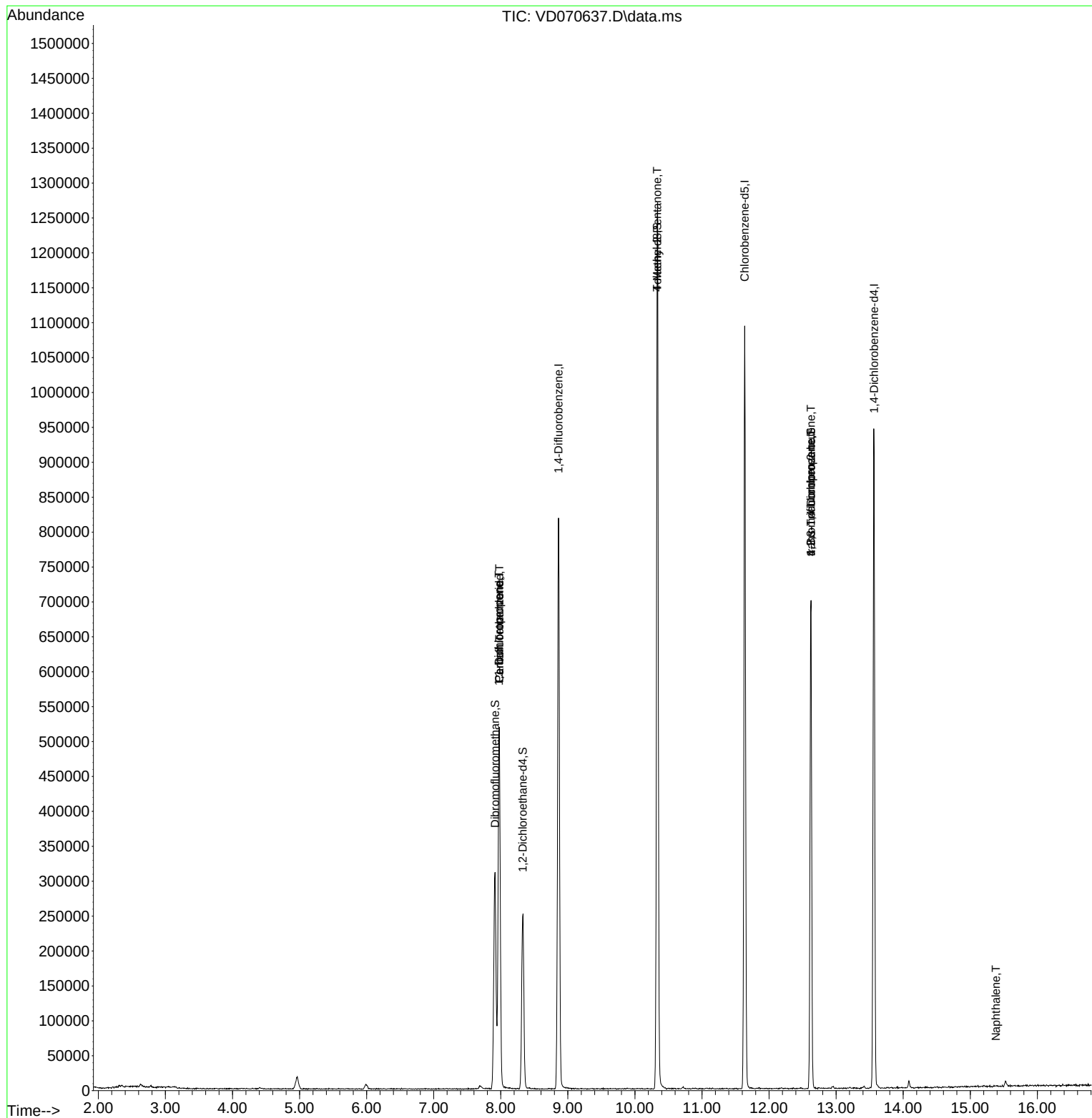
Internal Standards						
1) Pentafluorobenzene	7.979	168	369901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	704471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	648736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	262290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	203867	46.831	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.660%
35) Dibromofluoromethane	7.914	113	228415	48.768	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.540%
50) Toluene-d8	10.332	98	903644	50.468	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.940%
62) 4-Bromofluorobenzene	12.626	95	258424	43.183	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.360%
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	1360	Below Cal	#	53
20) Methylene Chloride	4.967	84	13283	Below Cal		98
36) 1,1-Dichloropropene	7.973	75	32842	4.390	ug/l #	49
38) Carbon Tetrachloride	7.979	117	40813	5.212	ug/l #	15
51) 4-Methyl-2-Pentanone	10.332	43	3226	1.373	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	119148	50.188	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	119148	111.427	ug/l #	17
95) Naphthalene	15.384	128	263	2.520	ug/l #	69

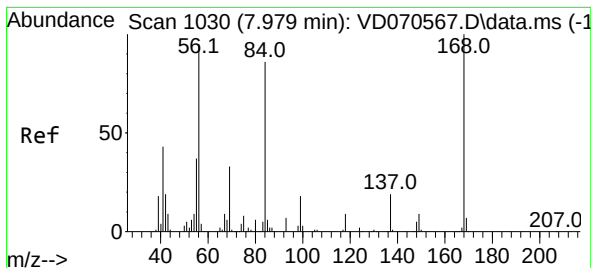
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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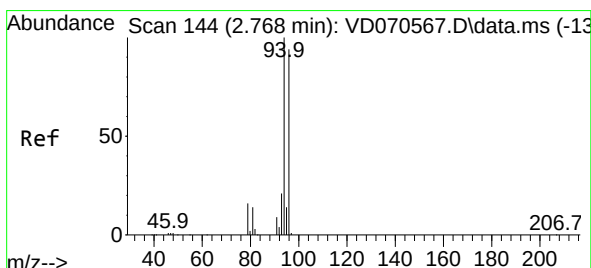
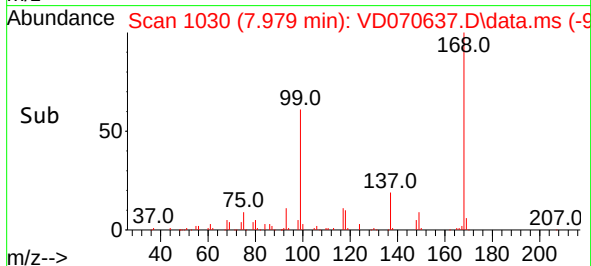
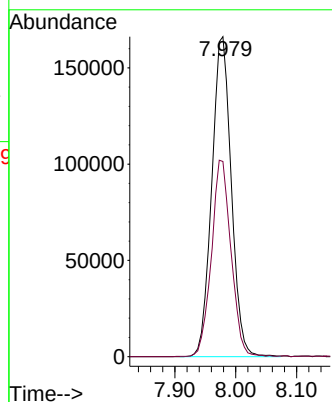
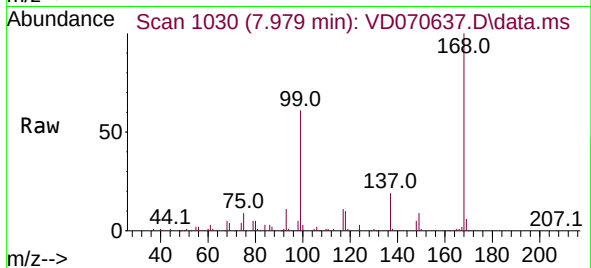




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070637.D
Acq: 08 Oct 2021 14:25

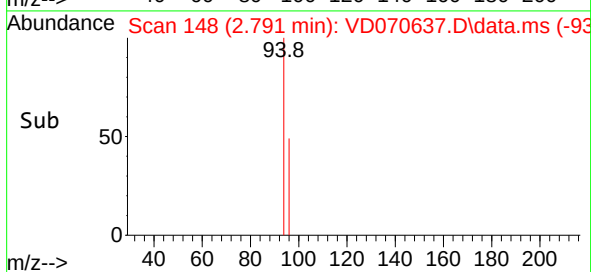
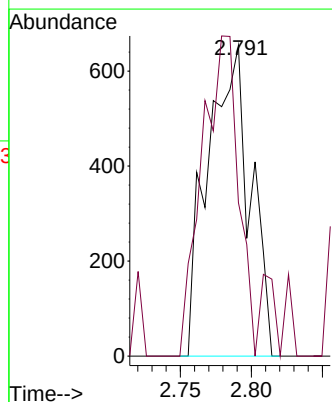
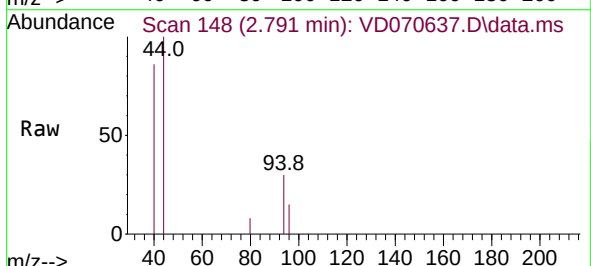
Instrument :
MSVOA_D
ClientSampleId :

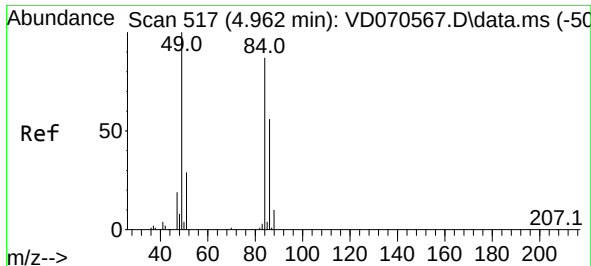
Tgt Ion:168 Resp: 369901
Ion Ratio Lower Upper
168 100
99 60.9 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD070637.D
Acq: 08 Oct 2021 14:25

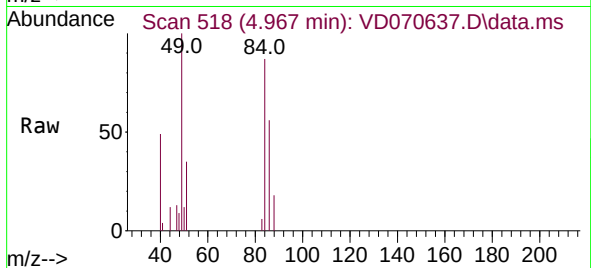
Tgt Ion: 94 Resp: 1360
Ion Ratio Lower Upper
94 100
96 49.4 75.5 113.3#



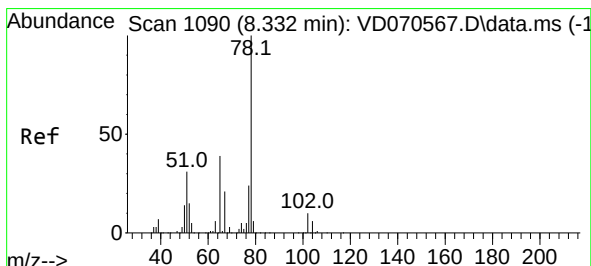
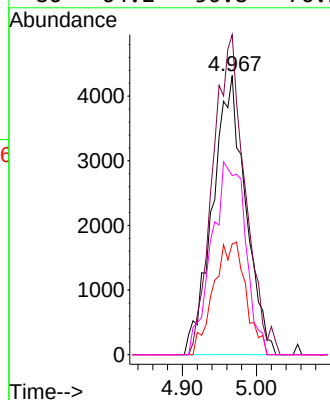
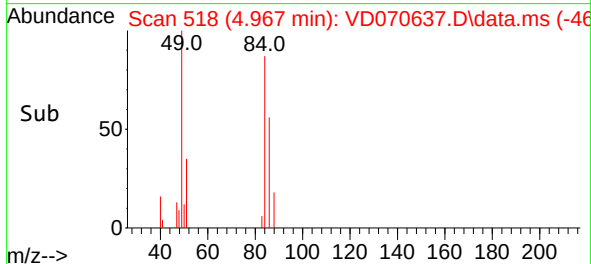


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070637.D
Acq: 08 Oct 2021 14:25

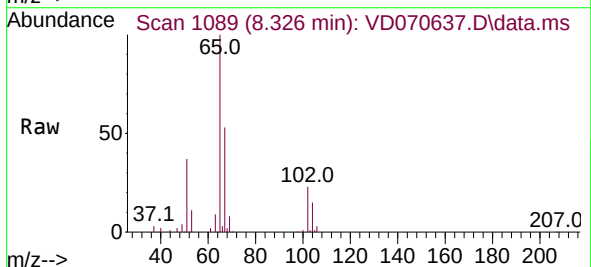
Instrument :
MSVOA_D
ClientSampleId :



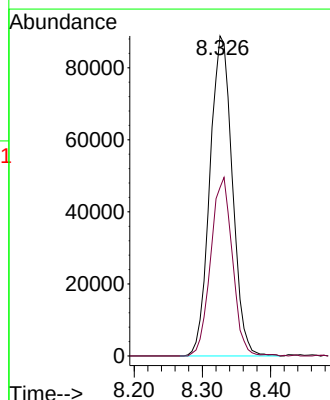
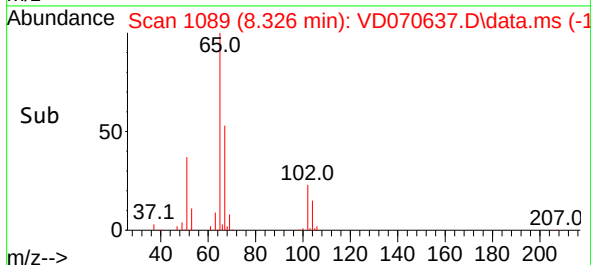
Tgt Ion:	84	Resp:	13283
Ion	Ratio	Lower	Upper
84	100		
49	114.6	91.4	137.2
51	39.6	26.7	40.1
86	64.2	50.8	76.2

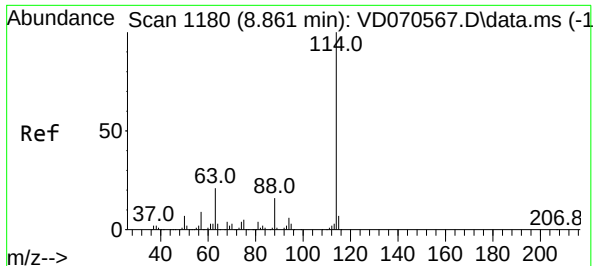


#33
1,2-Dichloroethane-d4
Concen: 46.831 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070637.D
Acq: 08 Oct 2021 14:25



Tgt Ion:	65	Resp:	203867
Ion	Ratio	Lower	Upper
65	100		
67	53.6	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: VD070637.D

Acq: 08 Oct 2021 14:25

Instrument :

MSVOA_D

ClientSampleId :

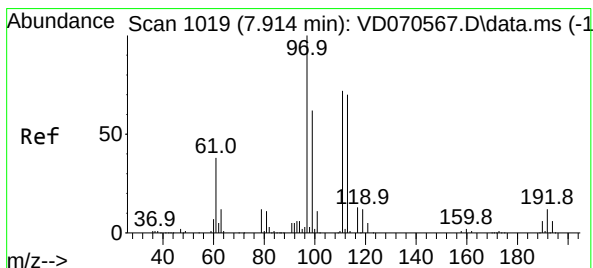
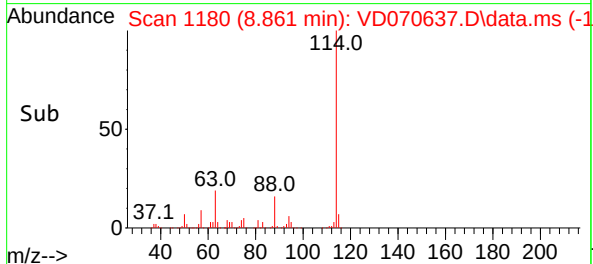
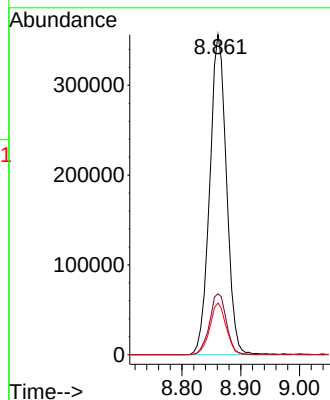
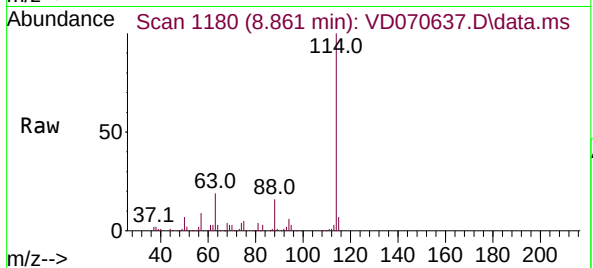
Tgt Ion:114 Resp: 704471

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.8

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.768 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070637.D

Acq: 08 Oct 2021 14:25

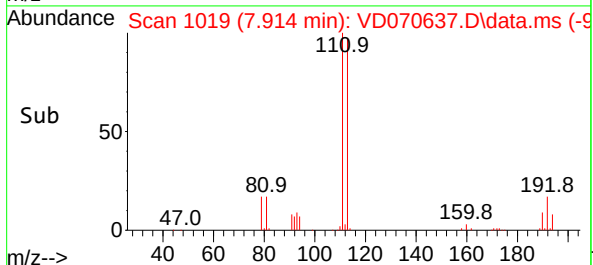
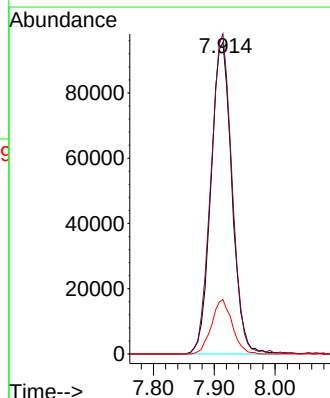
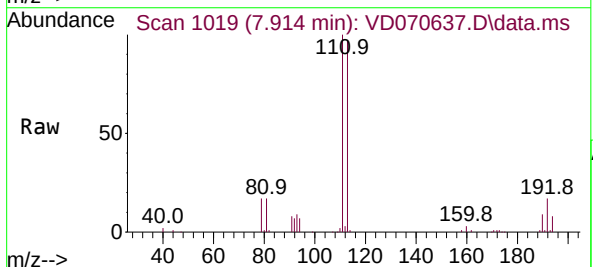
Tgt Ion:113 Resp: 228415

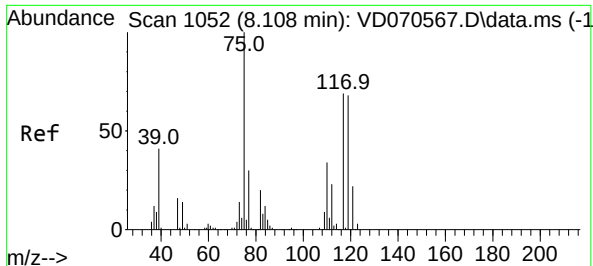
Ion Ratio Lower Upper

113 100

111 102.9 83.1 124.7

192 17.2 12.7 19.1

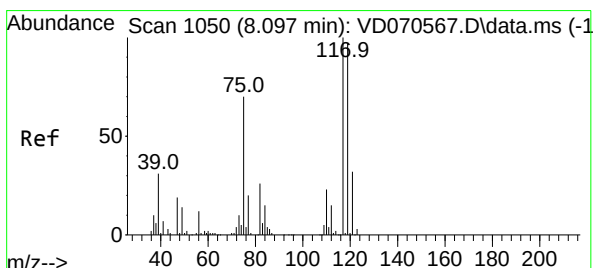
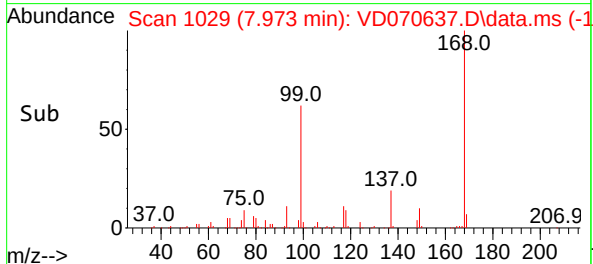
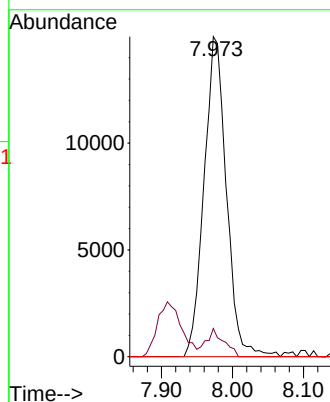
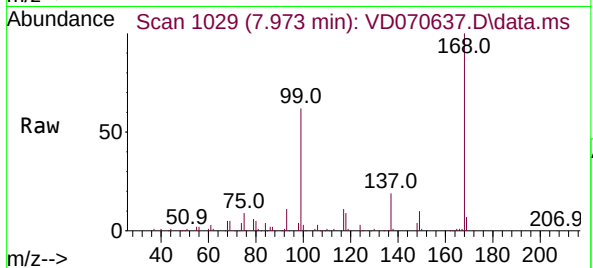




#36
1,1-Dichloropropene
Concen: 4.390 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD070637.D
Acq: 08 Oct 2021 14:25

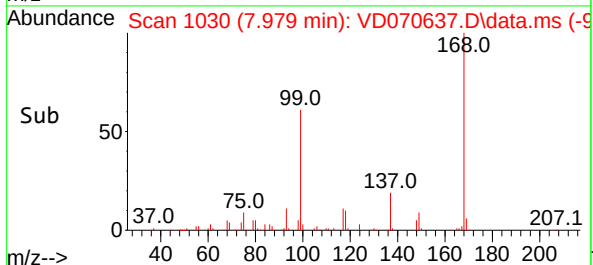
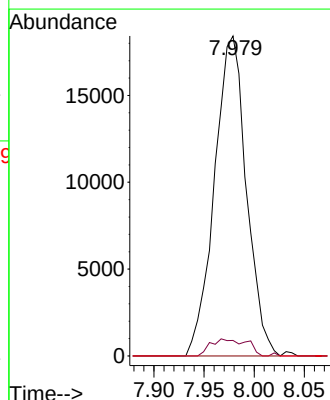
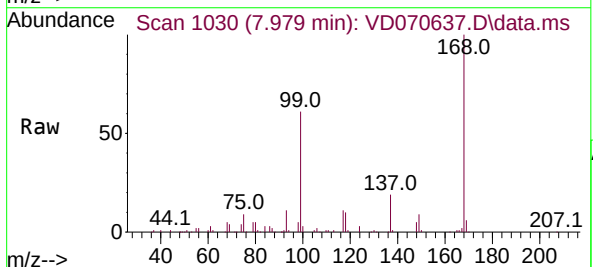
Instrument :
MSVOA_D
ClientSampleId :

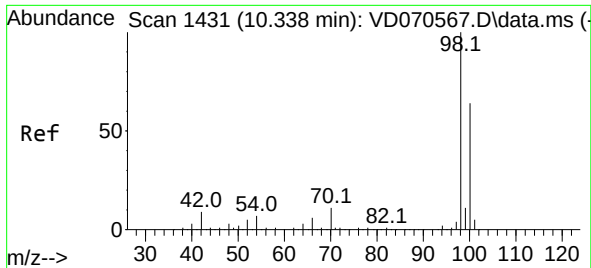
Tgt Ion: 75 Resp: 32842
Ion Ratio Lower Upper
75 100
110 6.9 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.212 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070637.D
Acq: 08 Oct 2021 14:25

Tgt Ion:117 Resp: 40813
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.0#
121 0.0 25.4 38.0#

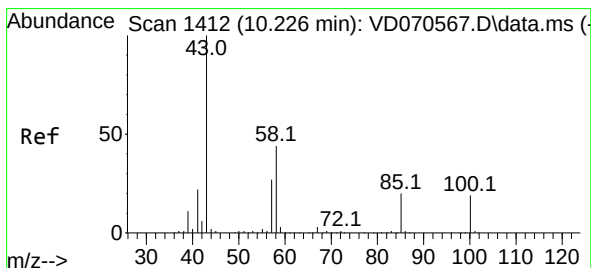
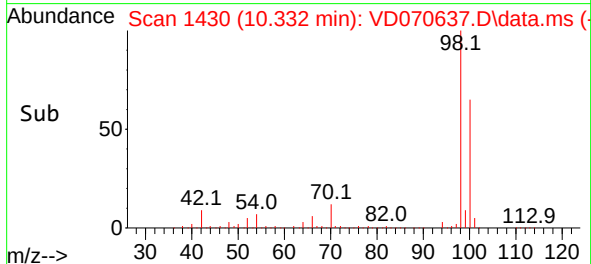
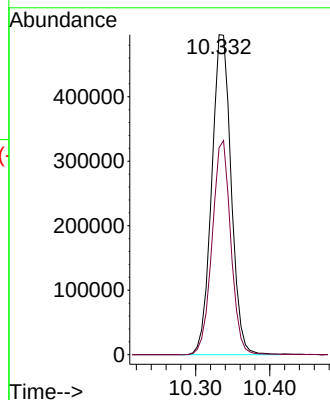
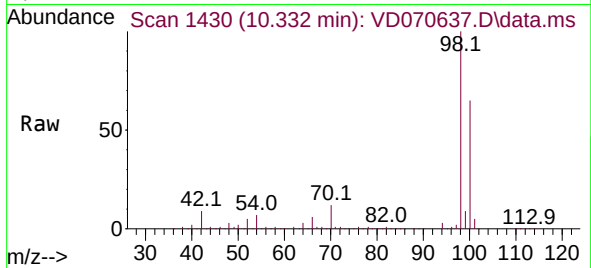




#50
Toluene-d8
Concen: 50.468 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070637.D
Acq: 08 Oct 2021 14:25

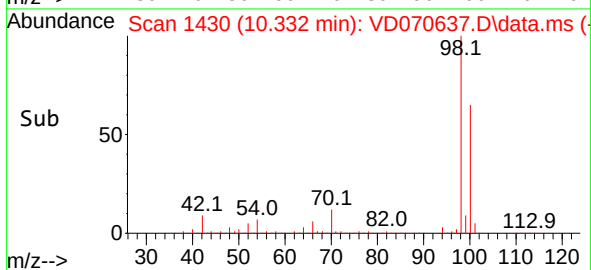
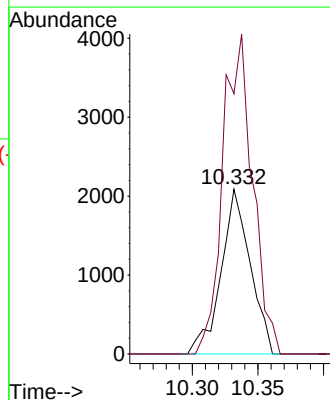
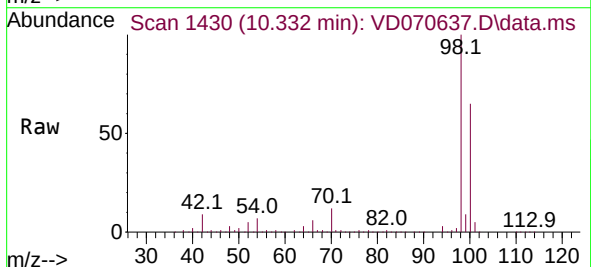
Instrument :
MSVOA_D
ClientSampleId :

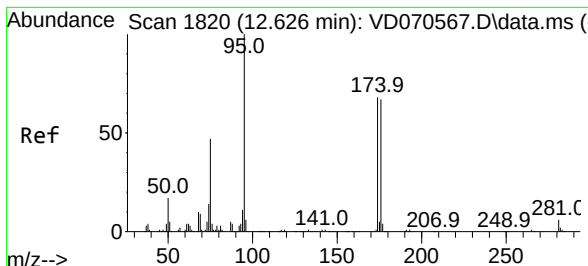
Tgt Ion: 98 Resp: 903644
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.373 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070637.D
Acq: 08 Oct 2021 14:25

Tgt Ion: 43 Resp: 3226
Ion Ratio Lower Upper
43 100
58 198.4 35.0 52.6#

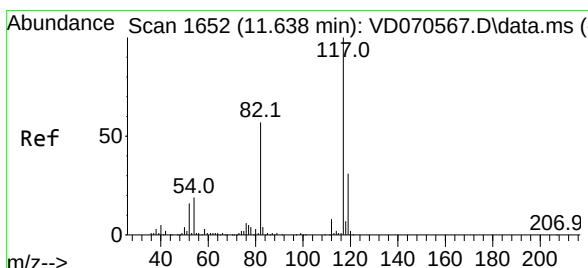
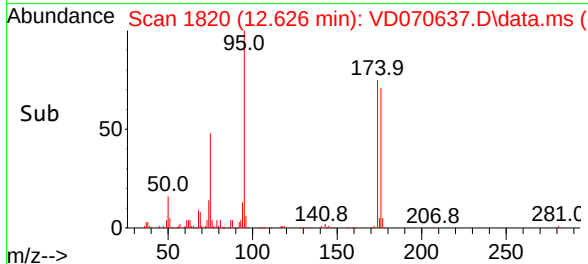
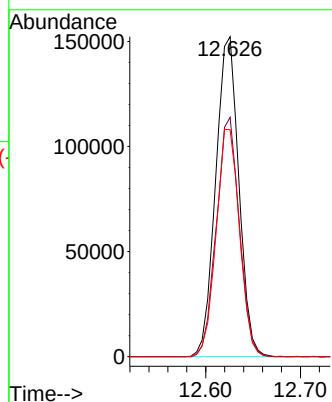
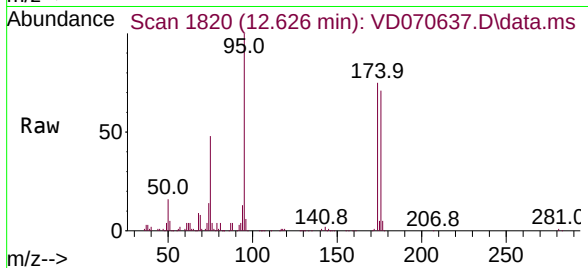




#62
4-Bromofluorobenzene
Concen: 43.183 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070637.D
Acq: 08 Oct 2021 14:25

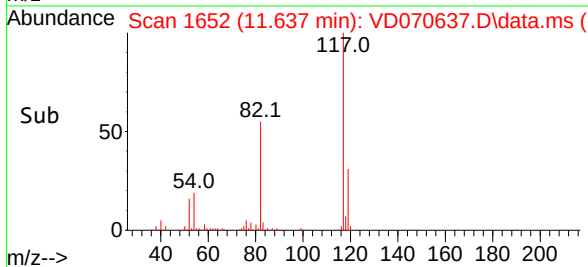
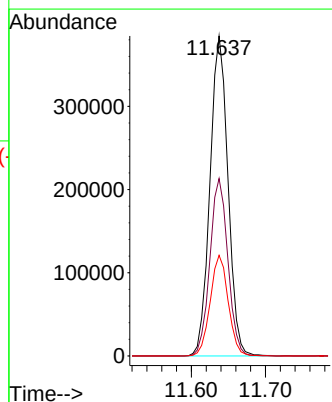
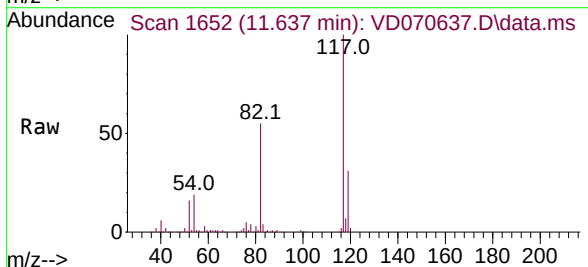
Instrument :
MSVOA_D
ClientSampleId :

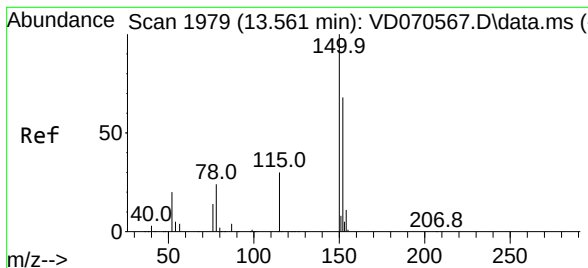
Tgt Ion: 95 Resp: 258424
Ion Ratio Lower Upper
95 100
174 74.2 0.0 138.0
176 71.7 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070637.D
Acq: 08 Oct 2021 14:25

Tgt Ion: 117 Resp: 648736
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.2
119 31.5 24.7 37.1

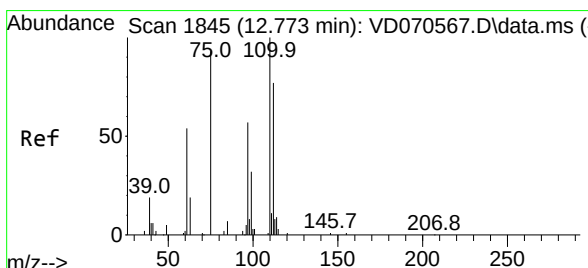
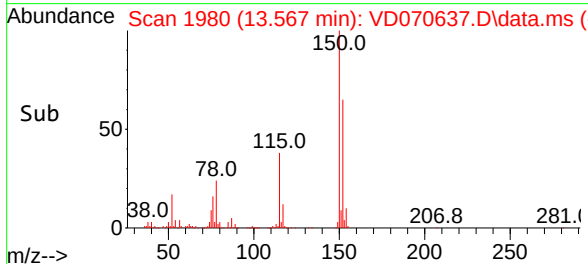
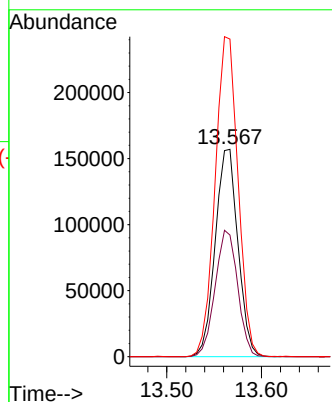
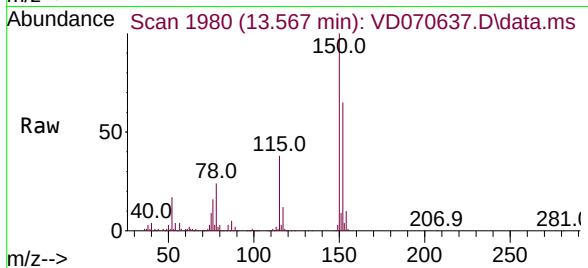




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.006 min
 Lab File: VD070637.D
 Acq: 08 Oct 2021 14:25

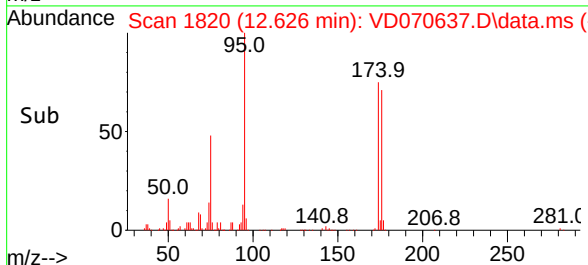
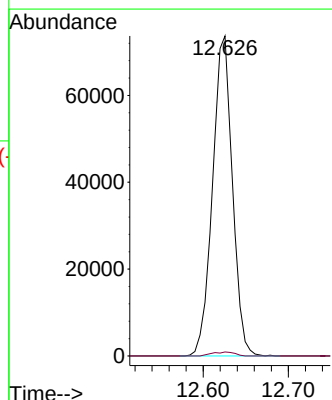
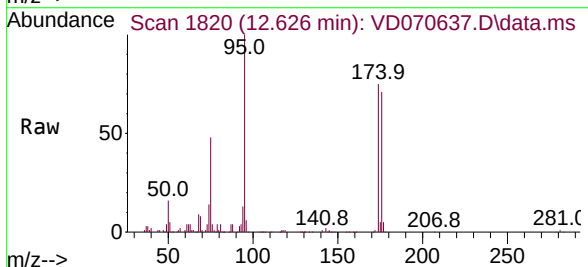
Instrument :
 MSVOA_D
 ClientSampleId :

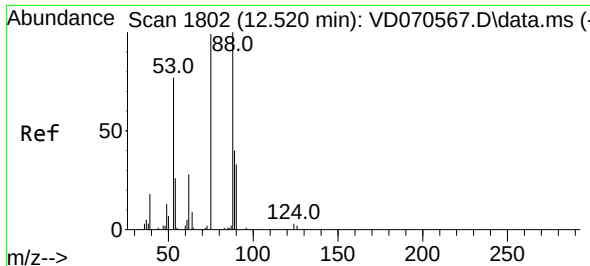
Tgt Ion:152 Resp: 262290
 Ion Ratio Lower Upper
 152 100
 115 60.3 31.9 95.7
 150 155.3 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 50.188 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070637.D
 Acq: 08 Oct 2021 14:25

Tgt Ion: 75 Resp: 119148
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

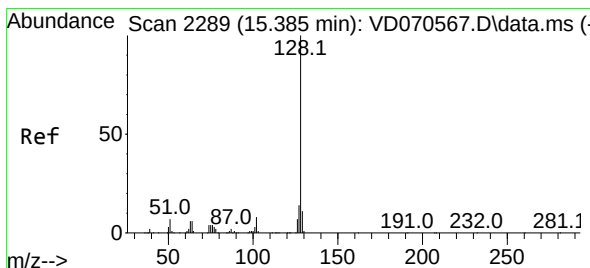
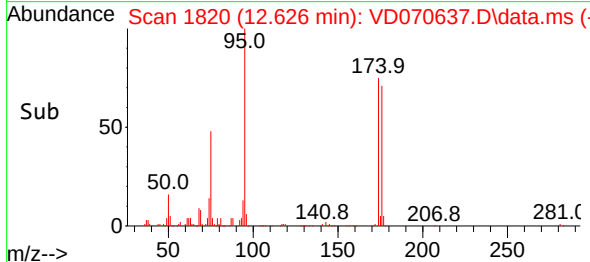
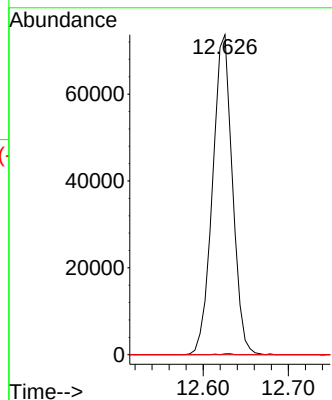
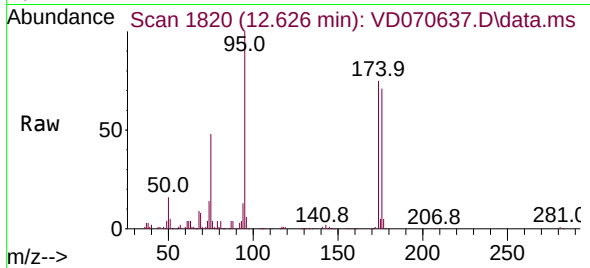




#81
trans-1,4-Dichloro-2-butene
Concen: 111.427 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070637.D
Acq: 08 Oct 2021 14:25

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 119148
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.520 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070637.D
Acq: 08 Oct 2021 14:25

Tgt Ion:128 Resp: 263
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

