

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070646.D
 Acq On : 08 Oct 2021 18:41
 Operator : VA/SY
 Sample : M3990-11
 Misc : 6.29G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 02:24:46 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)

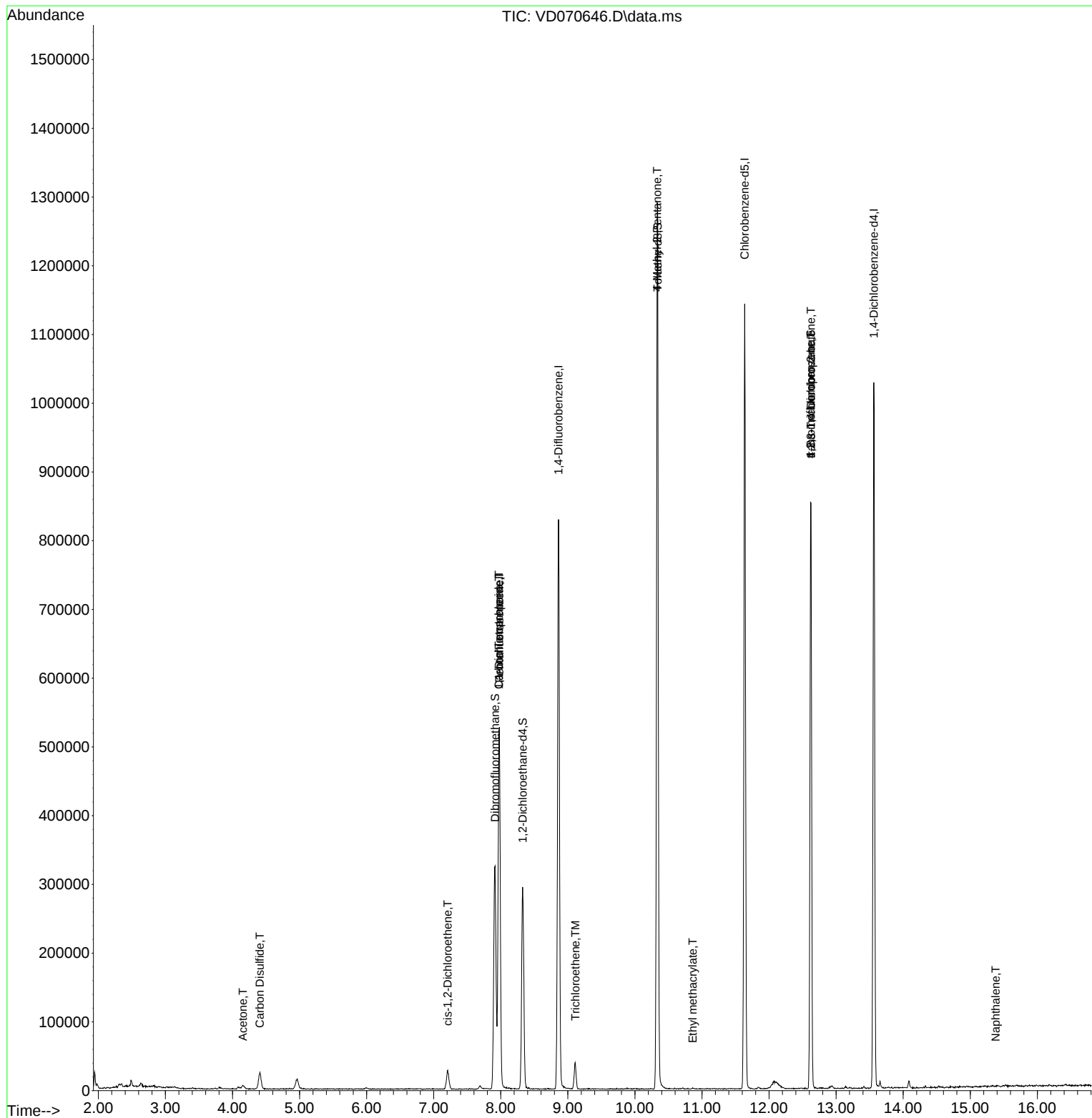
Internal Standards						
1) Pentafluorobenzene	7.979	168	378299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	719001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	675332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	278277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	235670	52.935	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.880%			
35) Dibromofluoromethane	7.914	113	244602	51.168	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.340%			
50) Toluene-d8	10.338	98	921775	50.440	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.880%			
62) 4-Bromofluorobenzene	12.620	95	289481	47.395	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.800%			
Target Compounds					Qvalue	
5) Bromomethane	2.773	94	763	Below Cal	#	64
16) Acetone	4.156	43	8962	11.854	ug/l	93
17) Carbon Disulfide	4.408	76	51594	3.183	ug/l #	93
20) Methylene Chloride	4.961	84	11701	Below Cal	#	86
27) cis-1,2-Dichloroethene	7.208	96	16640	3.033	ug/l	88
36) 1,1-Dichloropropene	7.973	75	33061	4.330	ug/l #	51
38) Carbon Tetrachloride	7.973	117	42440	5.311	ug/l #	17
44) Trichloroethene	9.114	130	13462	2.426	ug/l	99
51) 4-Methyl-2-Pentanone	10.332	43	3063	1.277	ug/l #	1
56) Ethyl methacrylate	10.861	69	75	1.389	ug/l #	68
59) 2-Hexanone	10.849	43	529	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.626	75	132196	52.486	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	132196	116.527	ug/l #	17
95) Naphthalene	15.378	128	190	2.510	ug/l #	69

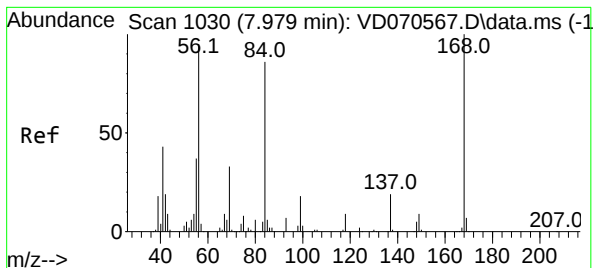
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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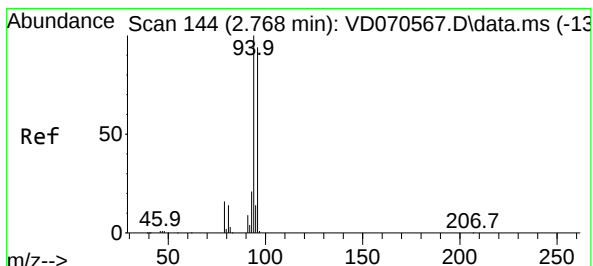
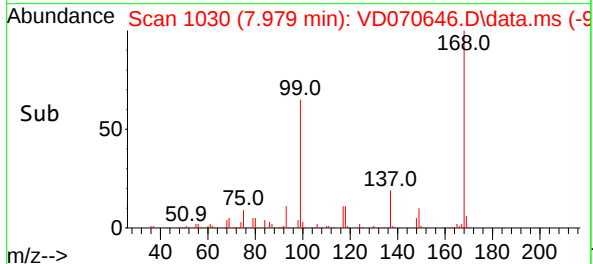
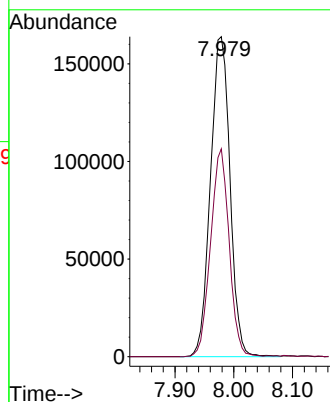
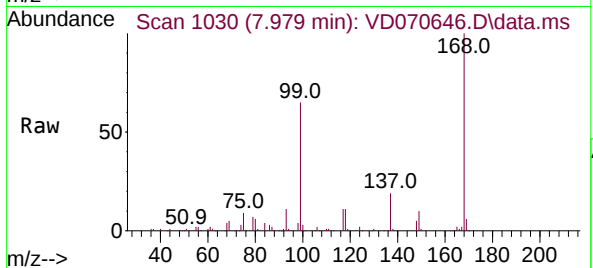




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

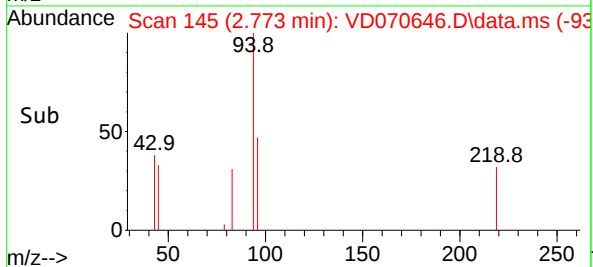
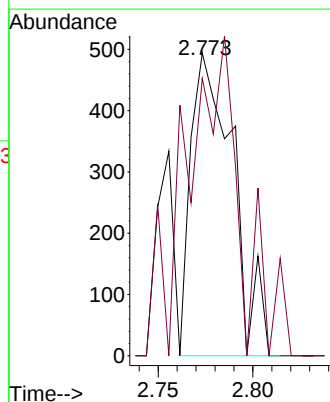
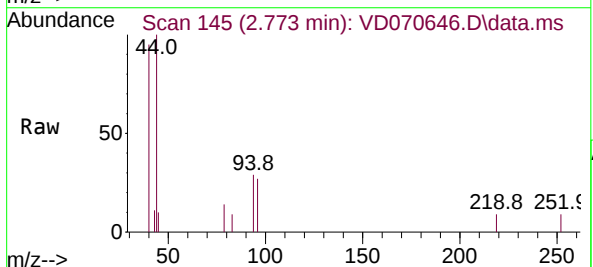
Instrument :
MSVOA_D
ClientSampleId :

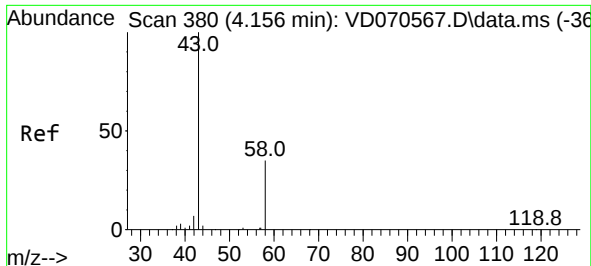
Tgt Ion:168 Resp: 378299
Ion Ratio Lower Upper
168 100
99 65.0 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

Tgt Ion: 94 Resp: 763
Ion Ratio Lower Upper
94 100
96 59.5 75.5 113.3#

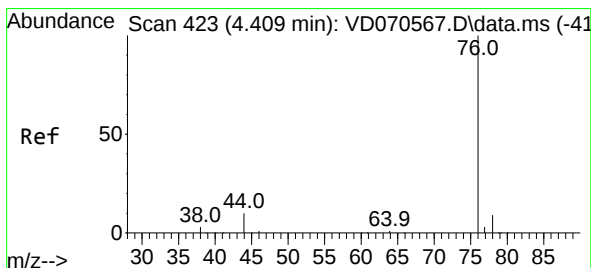
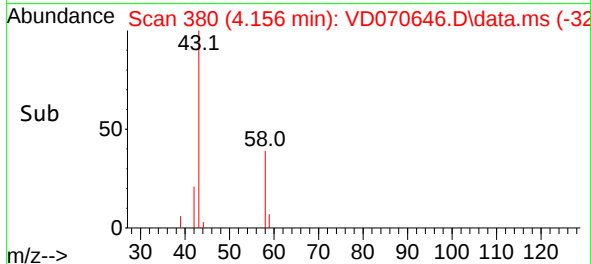
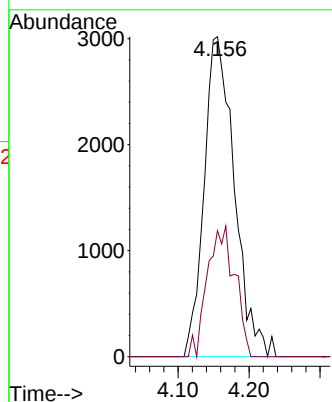
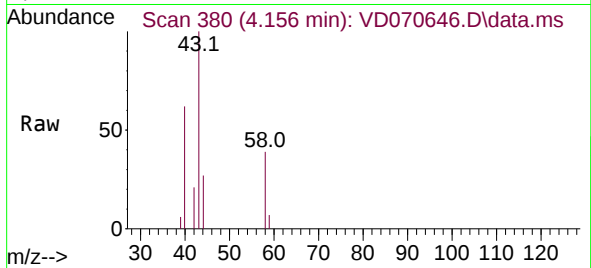




#16
Acetone
Concen: 11.854 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

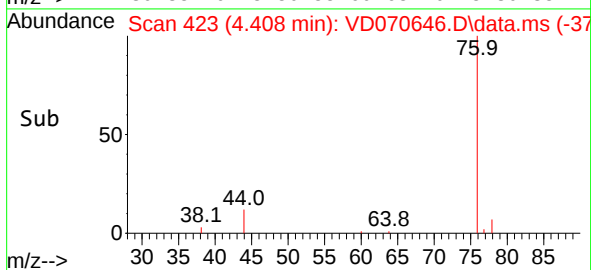
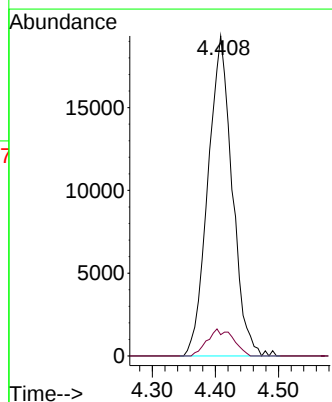
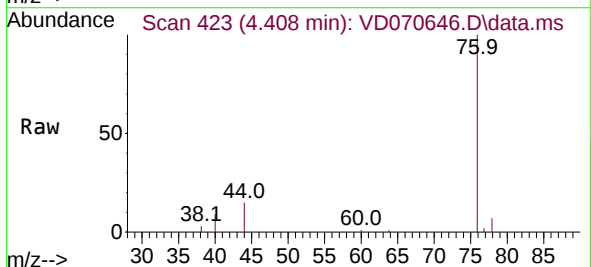
Instrument :
MSVOA_D
ClientSampled :

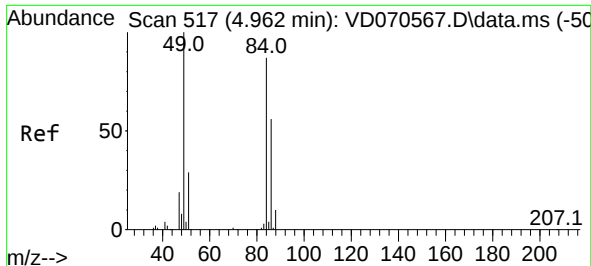
Tgt Ion: 43 Resp: 8962
Ion Ratio Lower Upper
43 100
58 39.4 28.2 42.2



#17
Carbon Disulfide
Concen: 3.183 ug/l
RT: 4.408 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

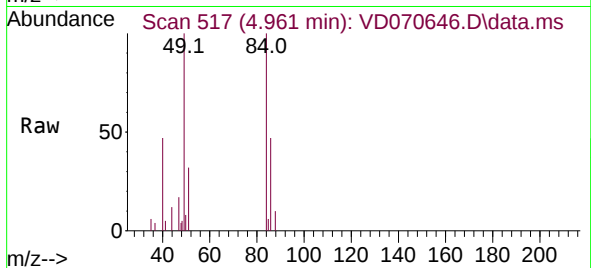
Tgt Ion: 76 Resp: 51594
Ion Ratio Lower Upper
76 100
78 6.6 7.4 11.2#



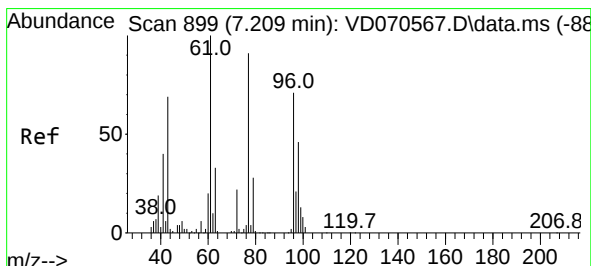
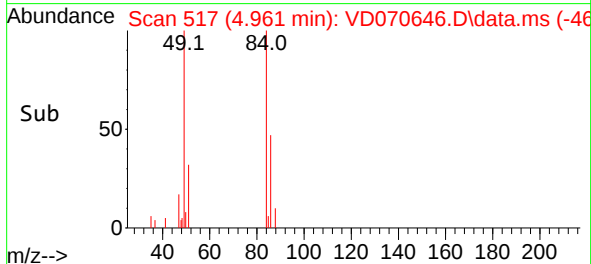
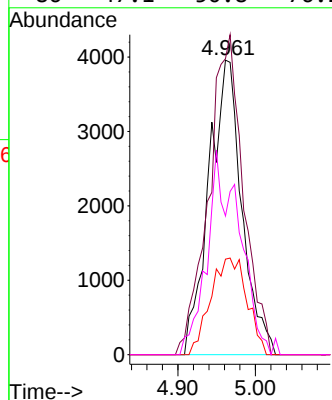


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

Instrument :
MSVOA_D
ClientSampled :

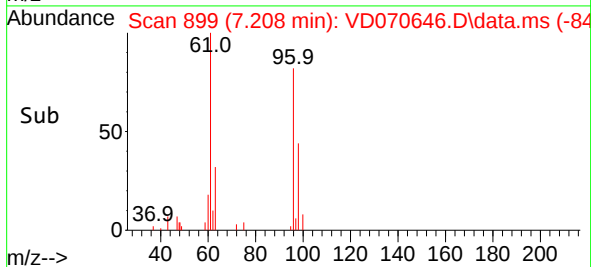
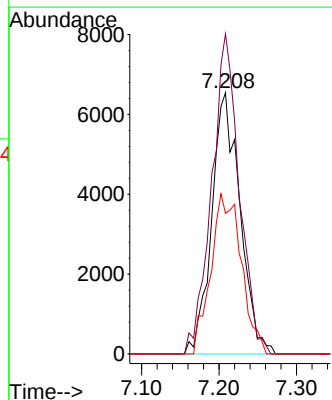
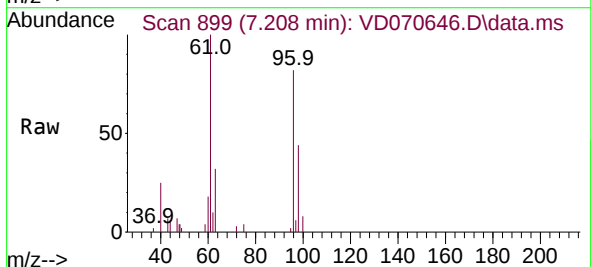


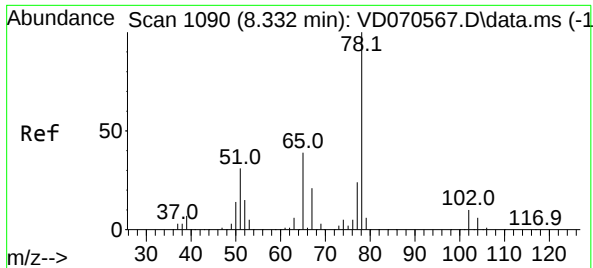
Tgt Ion:	84	Resp:	11701
Ion	Ratio	Lower	Upper
84	100		
49	100.5	91.4	137.2
51	32.4	26.7	40.1
86	47.1	50.8	76.2#



#27
cis-1,2-Dichloroethene
Concen: 3.033 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

Tgt Ion:	96	Resp:	16640
Ion	Ratio	Lower	Upper
96	100		
61	119.5	0.0	278.2
98	65.8	0.0	128.6

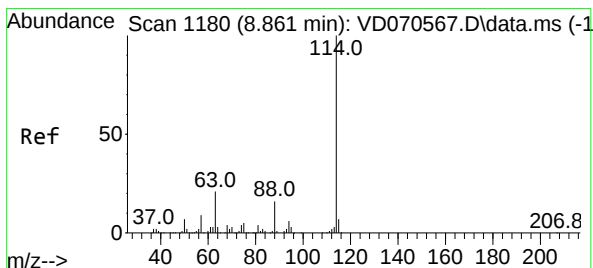
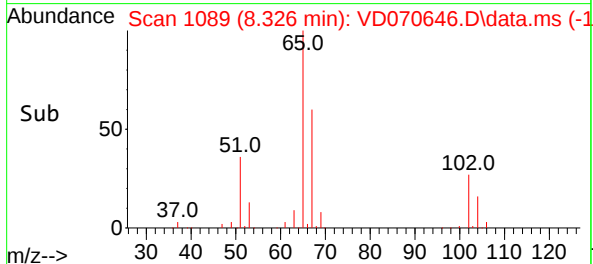
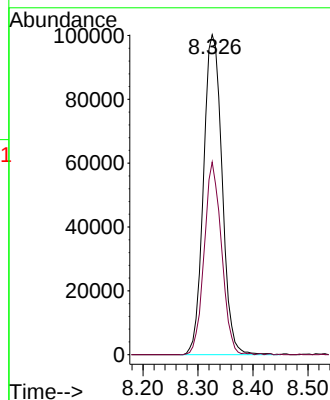
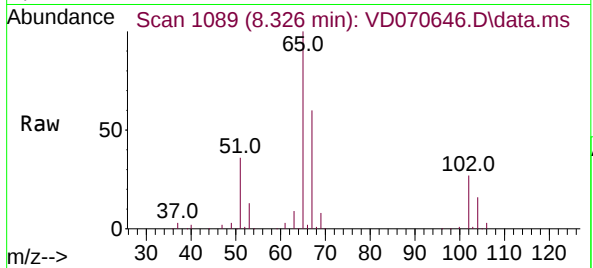




#33
 1,2-Dichloroethane-d4
 Concen: 52.935 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.006 min
 Lab File: VD070646.D
 Acq: 08 Oct 2021 18:41

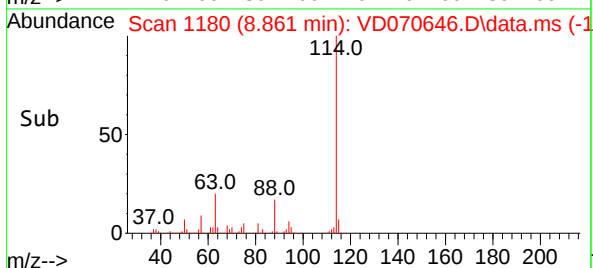
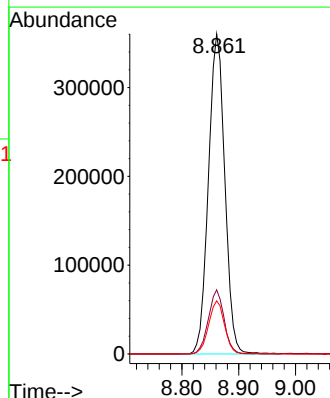
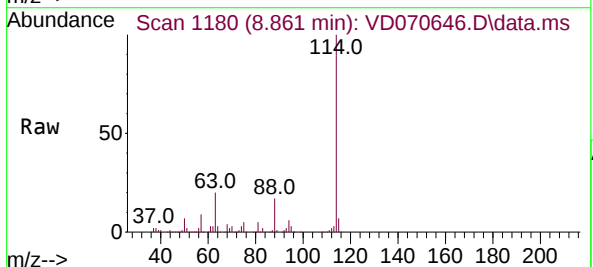
Instrument :
 MSVOA_D
 ClientSampleId :

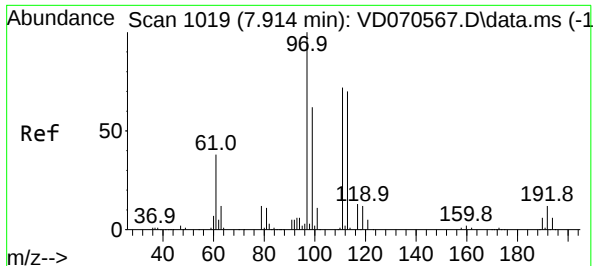
Tgt Ion: 65 Resp: 235670
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.000 min
 Lab File: VD070646.D
 Acq: 08 Oct 2021 18:41

Tgt Ion: 114 Resp: 719001
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.168 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070646.D

Acq: 08 Oct 2021 18:41

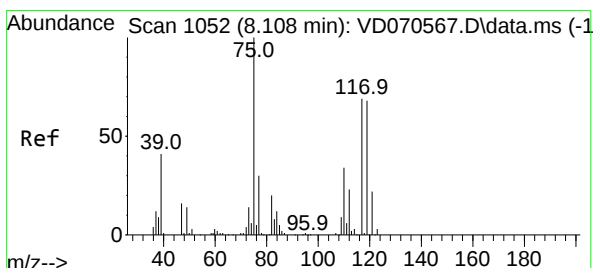
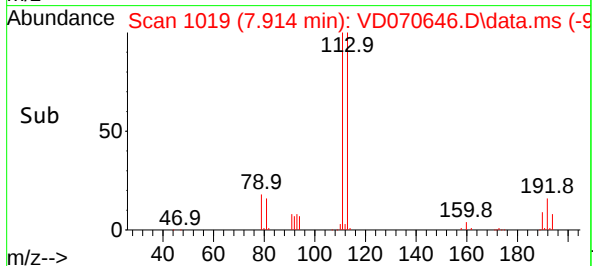
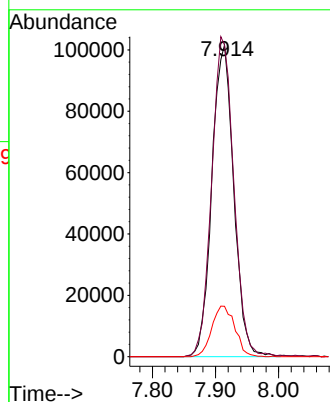
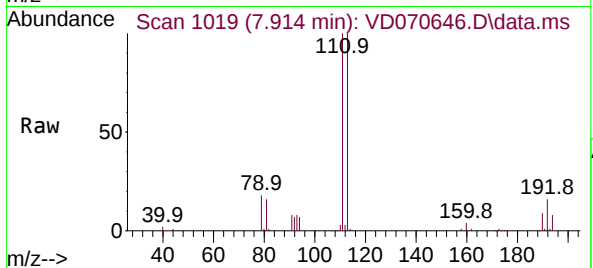
Tgt Ion:113 Resp: 244602

Ion Ratio Lower Upper

113 100

111 104.1 83.1 124.7

192 17.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.330 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD070646.D

Acq: 08 Oct 2021 18:41

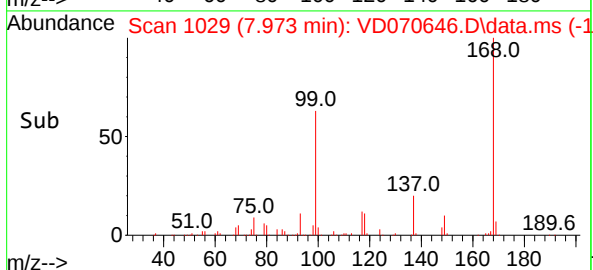
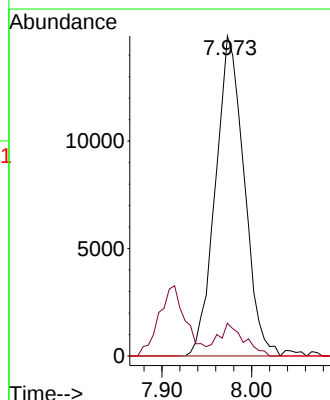
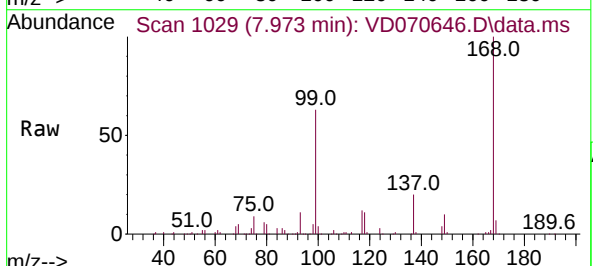
Tgt Ion: 75 Resp: 33061

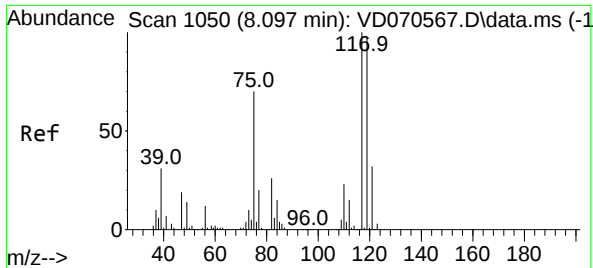
Ion Ratio Lower Upper

75 100

110 9.2 17.2 51.6#

77 0.0 24.2 36.4#

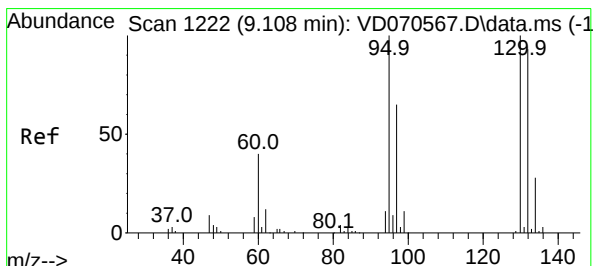
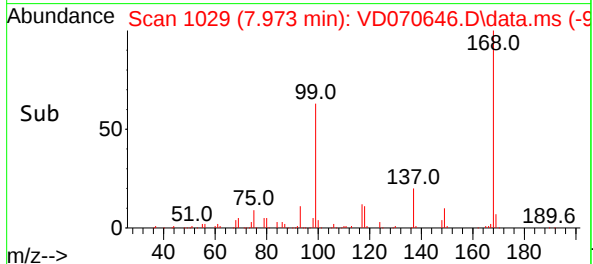
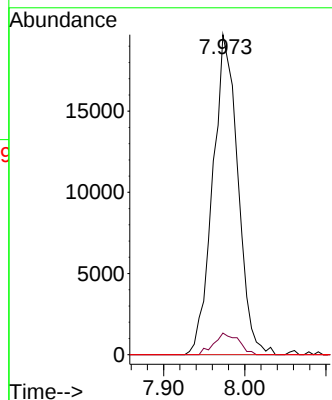
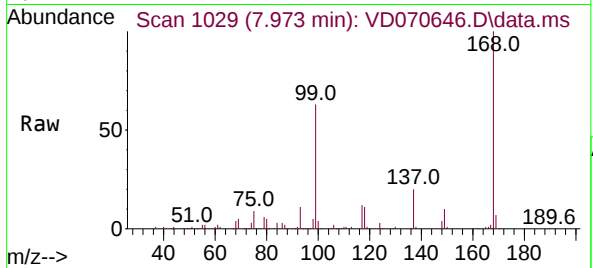




#38
Carbon Tetrachloride
Concen: 5.311 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

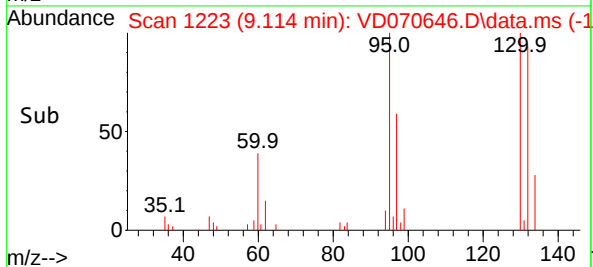
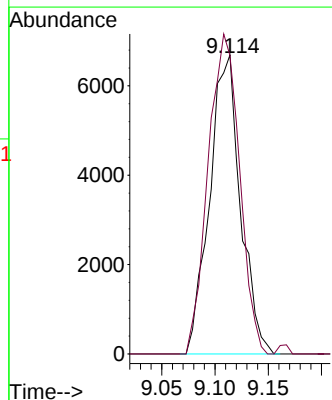
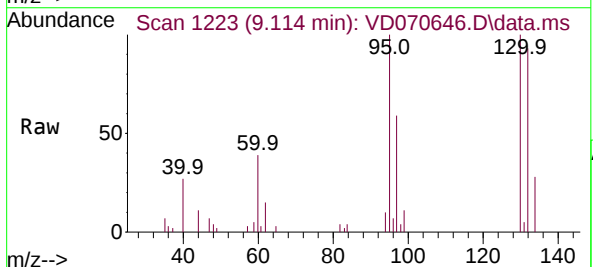
Instrument :
MSVOA_D
ClientSampleId :

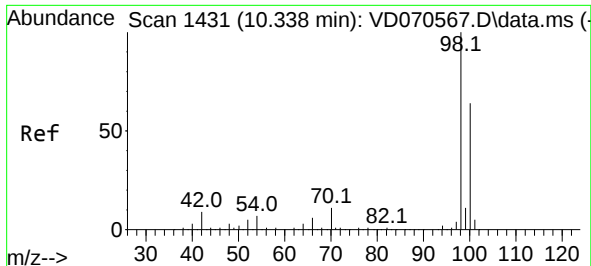
Tgt Ion:117 Resp: 42440
Ion Ratio Lower Upper
117 100
119 6.7 77.4 116.0#
121 0.0 25.4 38.0#



#44
Trichloroethene
Concen: 2.426 ug/l
RT: 9.114 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

Tgt Ion:130 Resp: 13462
Ion Ratio Lower Upper
130 100
95 99.8 0.0 200.8

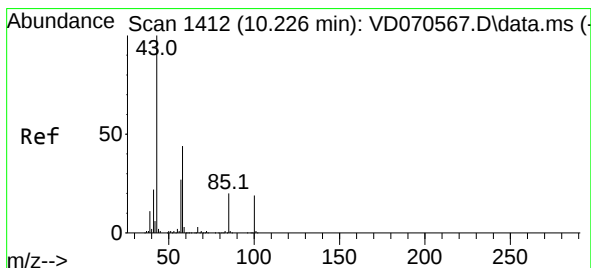
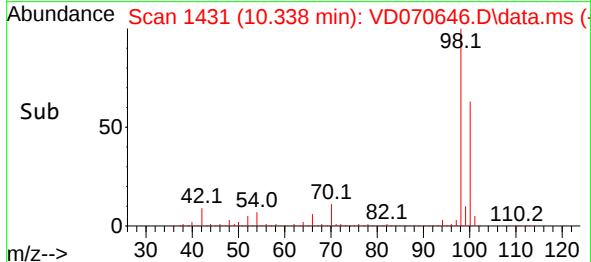
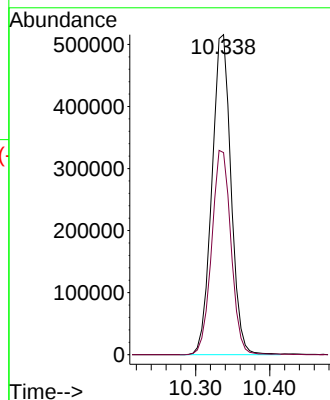
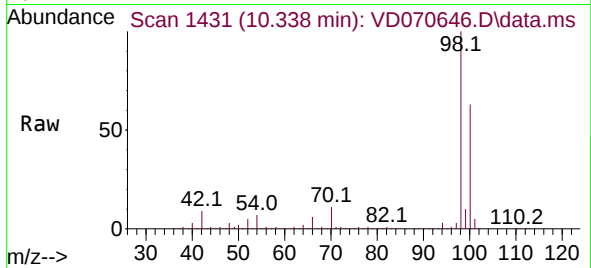




#50
Toluene-d8
Concen: 50.440 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

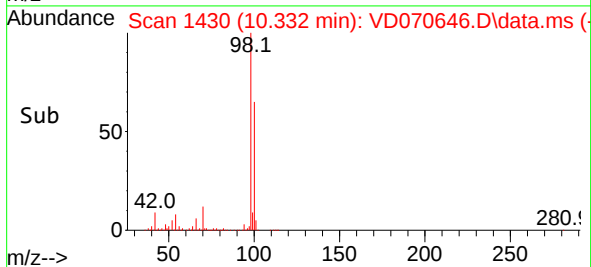
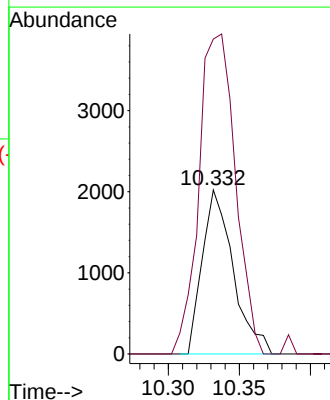
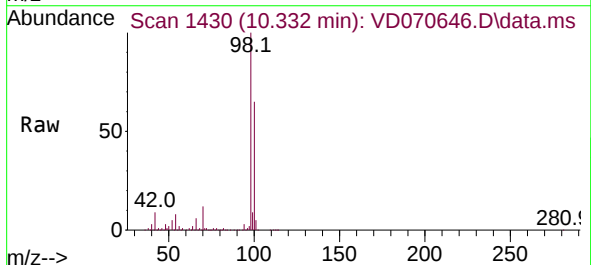
Instrument :
MSVOA_D
ClientSampleId :

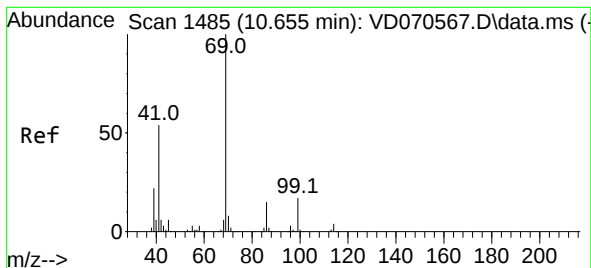
Tgt Ion: 98 Resp: 921775
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.277 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

Tgt Ion: 43 Resp: 3063
Ion Ratio Lower Upper
43 100
58 230.2 35.0 52.6#

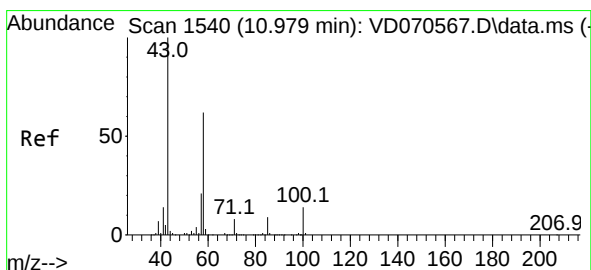
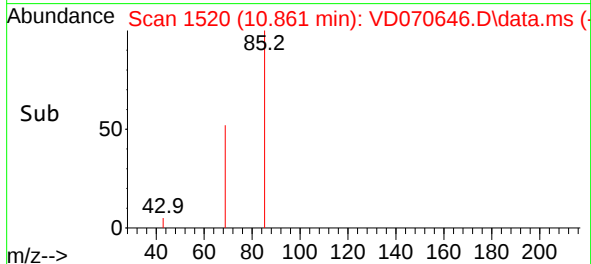
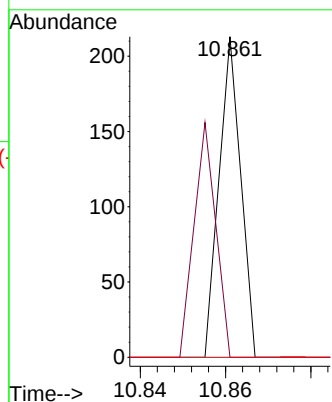
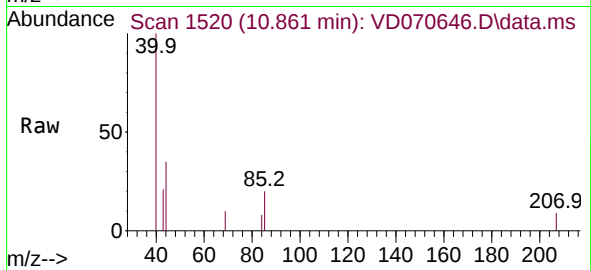




#56
Ethyl methacrylate
Concen: 1.389 ug/l
RT: 10.861 min Scan# 1520
Delta R.T. 0.206 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

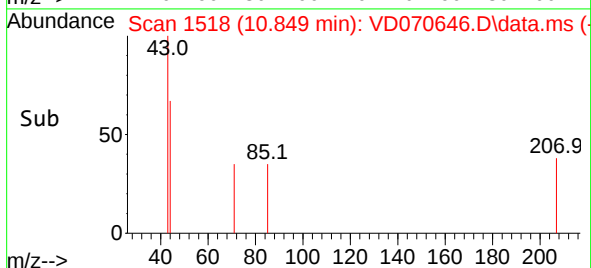
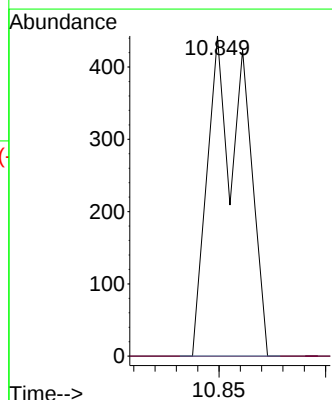
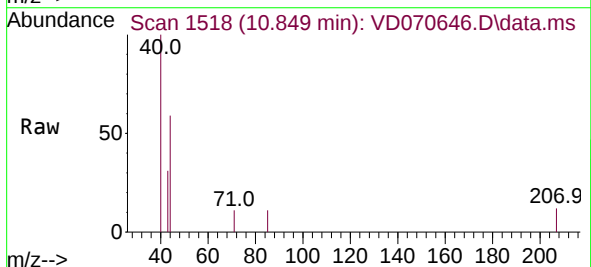
Instrument :
MSVOA_D
ClientSampled :

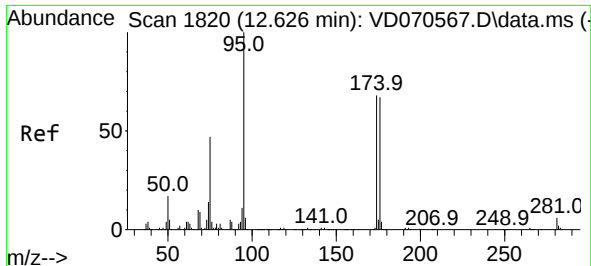
Tgt Ion: 69 Resp: 75
Ion Ratio Lower Upper
69 100
41 73.3 44.7 67.1#
39 0.0 19.5 29.3#



#59
2-Hexanone
Concen: Below Cal
RT: 10.849 min Scan# 1518
Delta R.T. -0.130 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

Tgt Ion: 43 Resp: 529
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

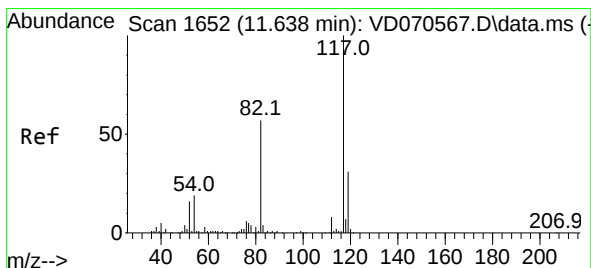
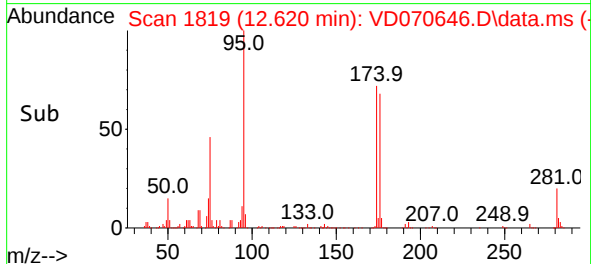
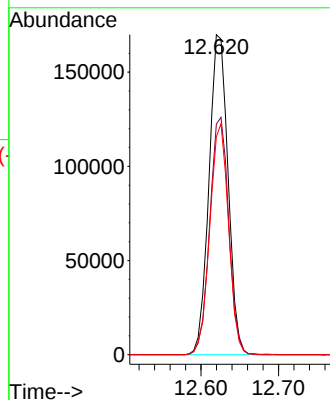
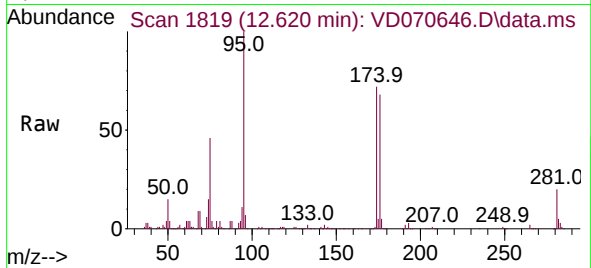




#62
4-Bromofluorobenzene
Concen: 47.395 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

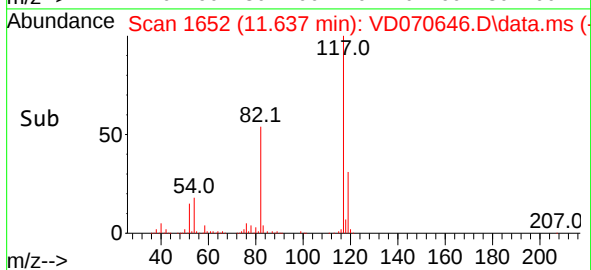
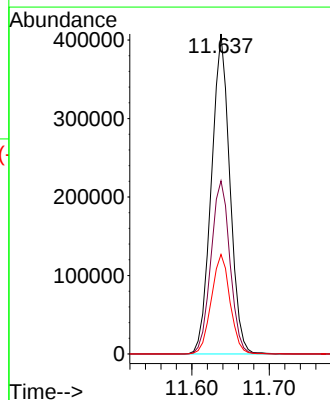
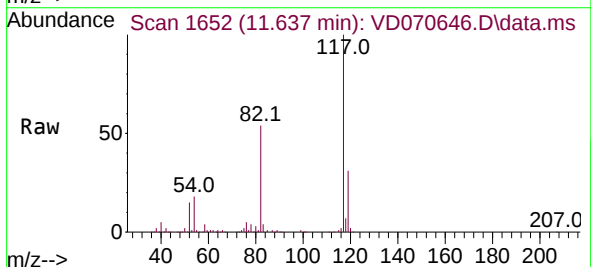
Instrument :
MSVOA_D
ClientSampleId :

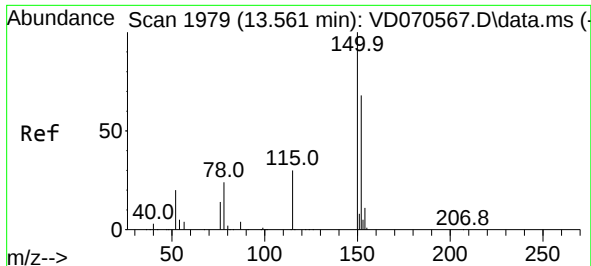
Tgt Ion: 95 Resp: 289481
Ion Ratio Lower Upper
95 100
174 74.1 0.0 138.0
176 70.6 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

Tgt Ion: 117 Resp: 675332
Ion Ratio Lower Upper
117 100
82 54.1 45.4 68.2
119 31.1 24.7 37.1

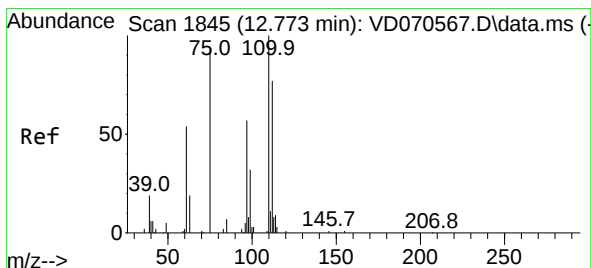
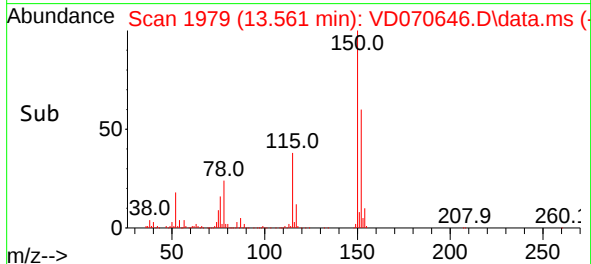
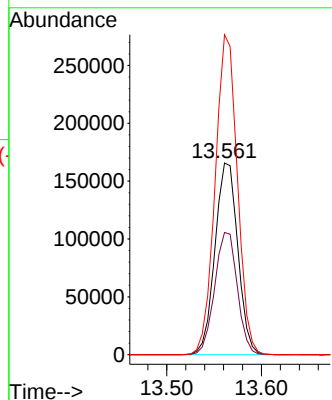
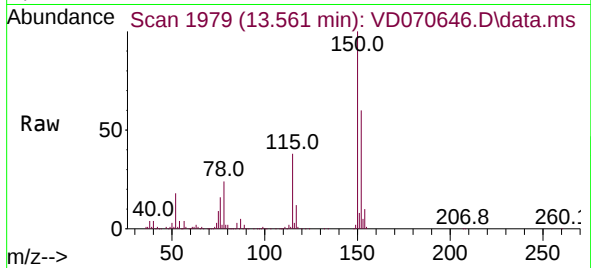




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

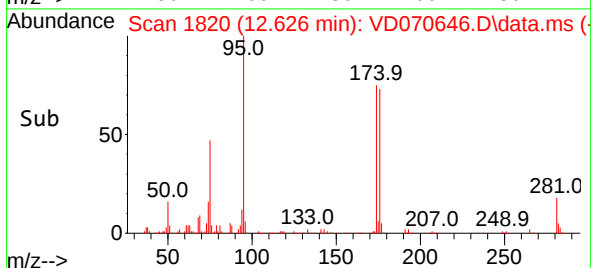
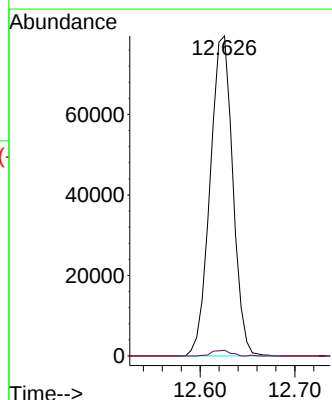
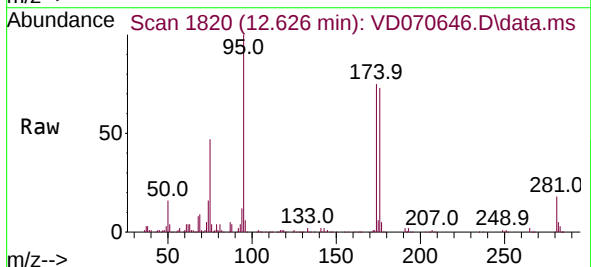
Instrument :
MSVOA_D
ClientSampleId :

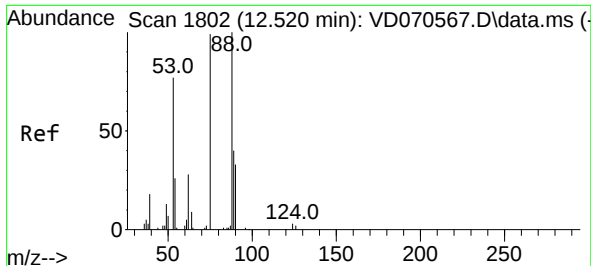
Tgt Ion:152 Resp: 278277
Ion Ratio Lower Upper
152 100
115 63.3 31.9 95.7
150 162.1 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 52.486 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

Tgt Ion: 75 Resp: 132196
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

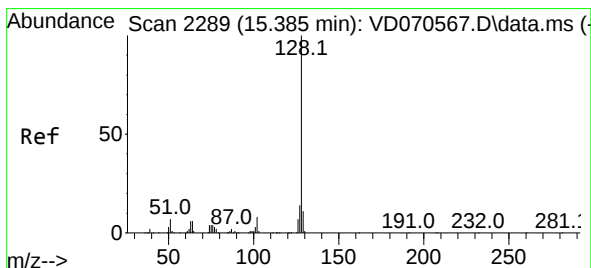
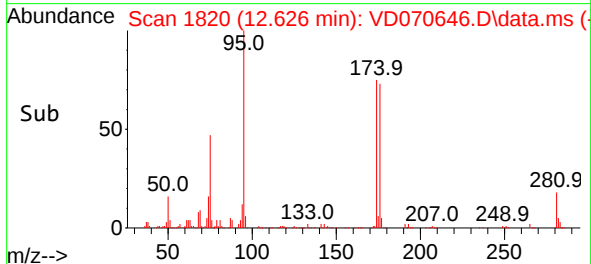
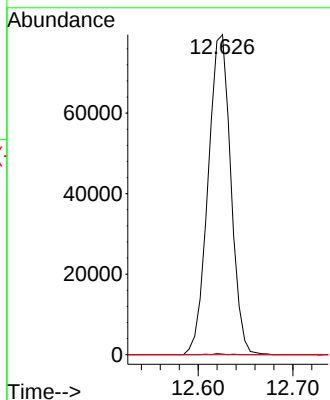
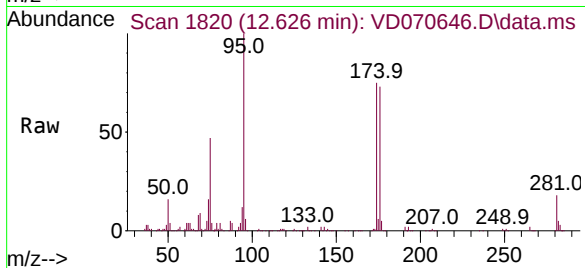




#81
trans-1,4-Dichloro-2-butene
Concen: 116.527 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 132196
Ion Ratio Lower Upper
75 100
53 0.1 64.5 96.7#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.510 ug/l
RT: 15.378 min Scan# 2288
Delta R.T. -0.007 min
Lab File: VD070646.D
Acq: 08 Oct 2021 18:41

Tgt Ion:128 Resp: 190
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

