

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD077010.D
 Acq On : 14 Aug 2023 19:29
 Operator : JC/SY
 Sample : 03973-09
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05-10.5-11.0

Quant Time: Aug 15 04:51:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 07:25:36 2023
 Response via : Initial Calibration

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

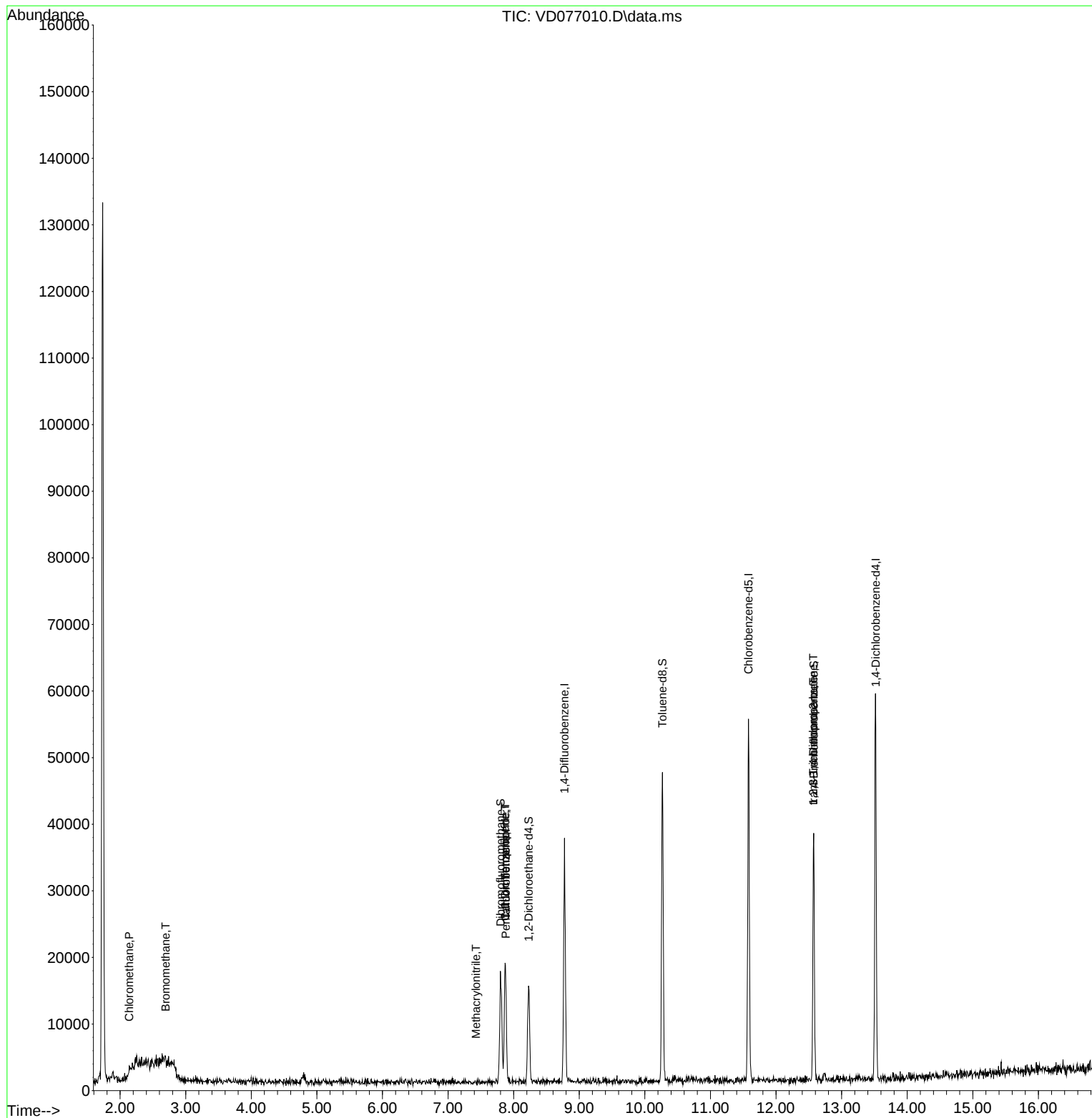
Internal Standards						
1) Pentafluorobenzene	7.881	168	14741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	30134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	32460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	16500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	11134	95.747	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 191.500%#		
35) Dibromofluoromethane	7.799	113	11302	69.764	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 139.520%		
50) Toluene-d8	10.269	98	33808	64.973	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 129.940%		
62) 4-Bromofluorobenzene	12.575	95	11481	63.116	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 126.240%		
Target Compounds						Qvalue
3) Chloromethane	2.140	50	172	1.376	ug/l #	41
5) Bromomethane	2.693	94	215	1.290	ug/l #	1
16) Acetone	4.034	43	86	Below Cal	#	32
20) Methylene Chloride	4.799	84	889	Below Cal	#	80
31) Cyclohexane	7.869	56	249	Below Cal	#	78
36) 1,1-Dichloropropene	7.869	75	1178	5.880	ug/l #	39
38) Carbon Tetrachloride	7.875	117	1560	7.276	ug/l #	11
41) Methacrylonitrile	7.428	41	66	1.323	ug/l #	17
76) 1,2,3-Trichloropropane	12.569	75	6273	40.527	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	6273	95.214	ug/l #	17

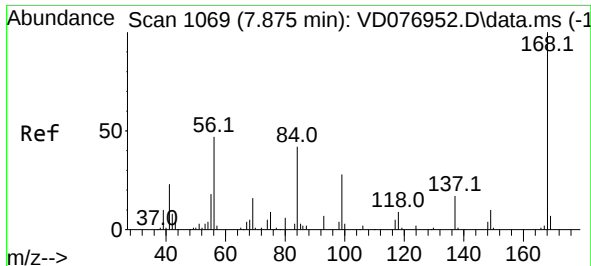
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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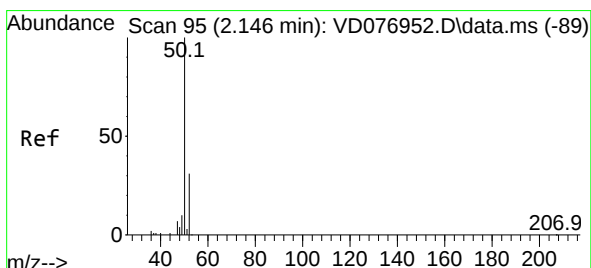
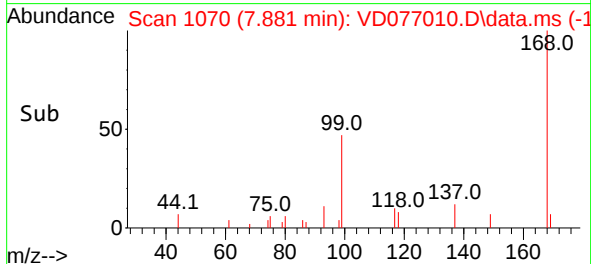
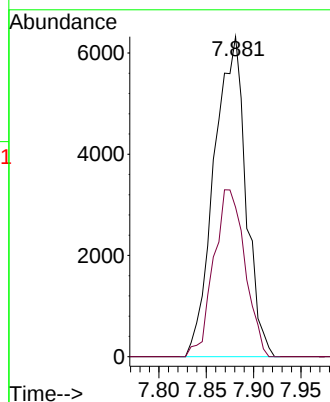
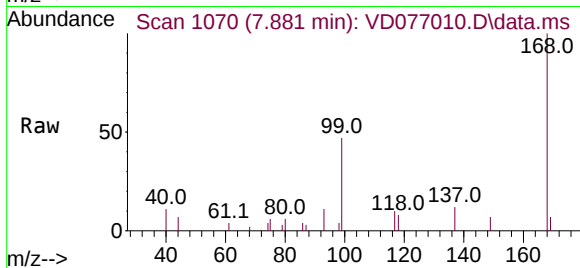




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD077010.D
Acq: 14 Aug 2023 19:29

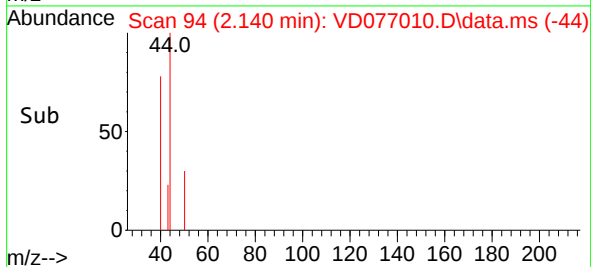
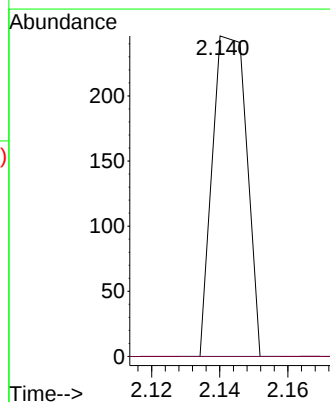
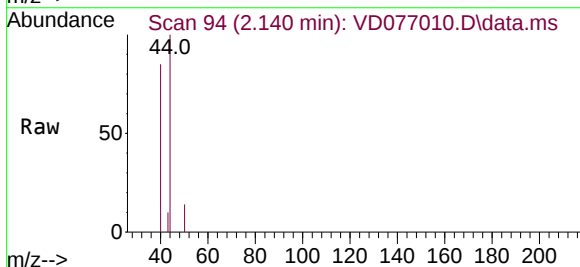
Instrument :
MSVOA_D
ClientSampleId :
SB-05-10.5-11.0

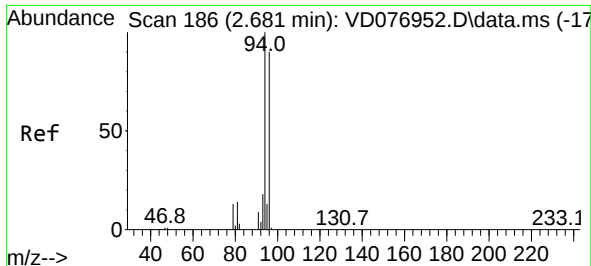
Tgt Ion:168 Resp: 14741
Ion Ratio Lower Upper
168 100
99 46.7 36.7 55.1



#3
Chloromethane
Concen: 1.376 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD077010.D
Acq: 14 Aug 2023 19:29

Tgt Ion: 50 Resp: 172
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

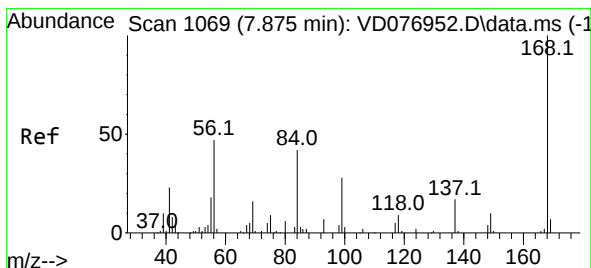
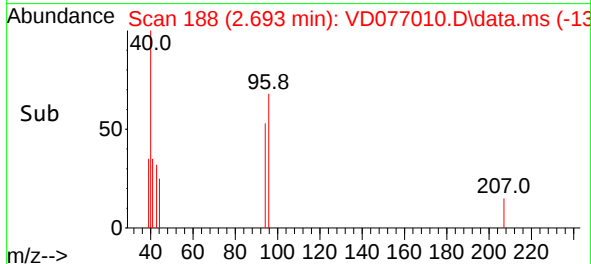
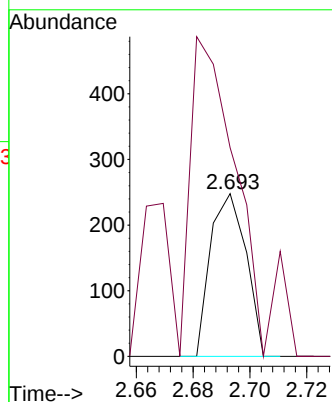
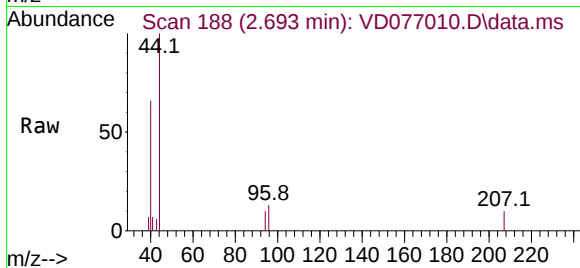




#5
Bromomethane
Concen: 1.290 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD077010.D
Acq: 14 Aug 2023 19:29

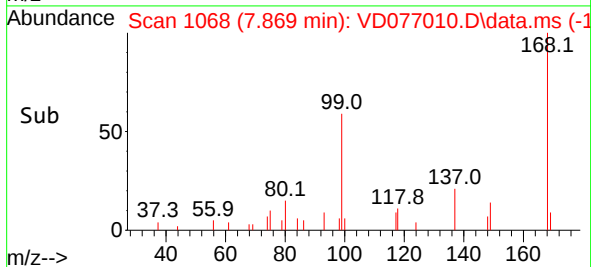
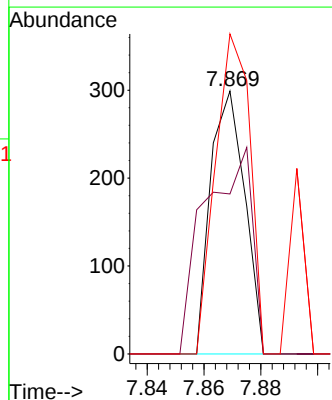
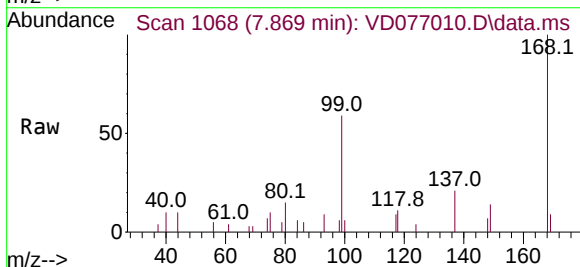
Instrument :
MSVOA_D
ClientSampleId :
SB-05-10.5-11.0

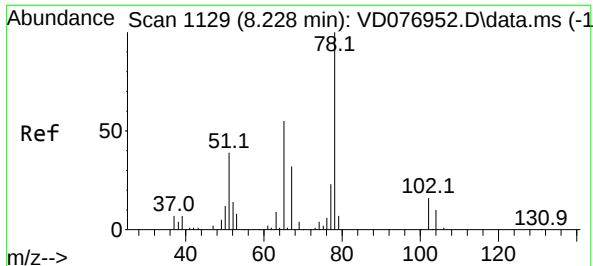
Tgt Ion: 94 Resp: 215
Ion Ratio Lower Upper
94 100
96 345.1 75.8 113.8#



#31
Cyclohexane
Concen: Below Cal
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077010.D
Acq: 14 Aug 2023 19:29

Tgt Ion: 56 Resp: 249
Ion Ratio Lower Upper
56 100
69 60.9 28.6 43.0#
84 121.7 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 95.747 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD077010.D

Acq: 14 Aug 2023 19:29

Instrument :

MSVOA_D

ClientSampleId :

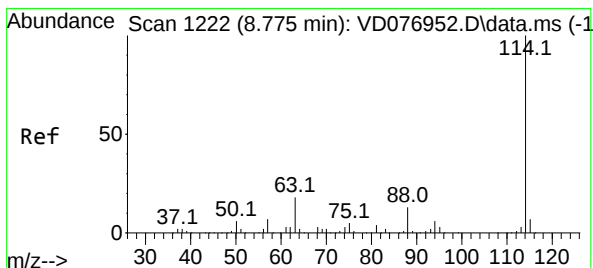
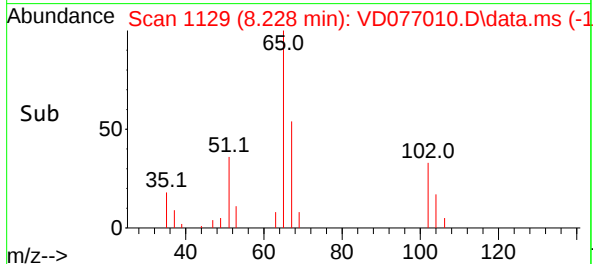
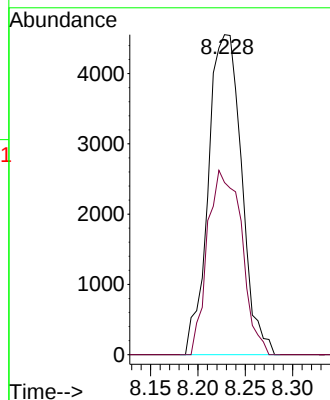
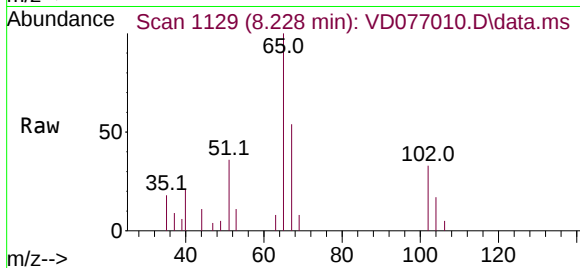
SB-05-10.5-11.0

Tgt Ion: 65 Resp: 11134

Ion Ratio Lower Upper

65 100

67 59.1 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077010.D

Acq: 14 Aug 2023 19:29

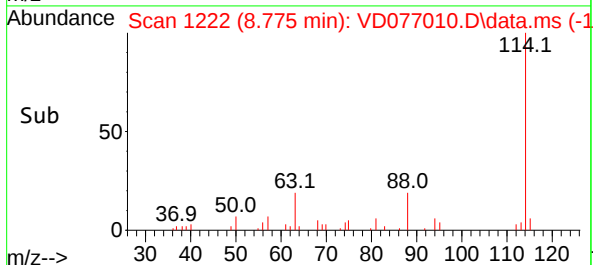
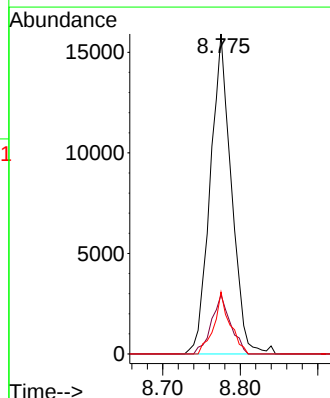
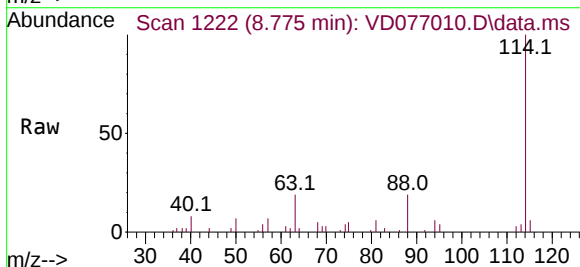
Tgt Ion: 114 Resp: 30134

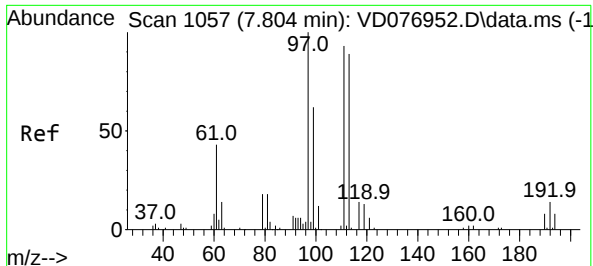
Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.4

88 19.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 69.764 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.005 min

Lab File: VD077010.D

Acq: 14 Aug 2023 19:29

Instrument :

MSVOA_D

ClientSampleId :

SB-05-10.5-11.0

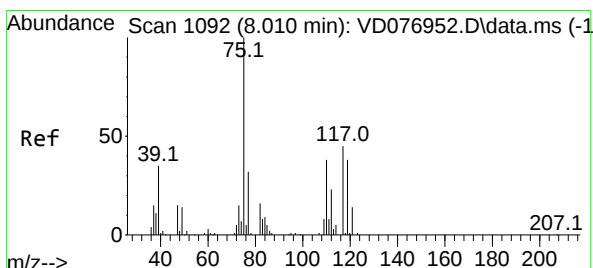
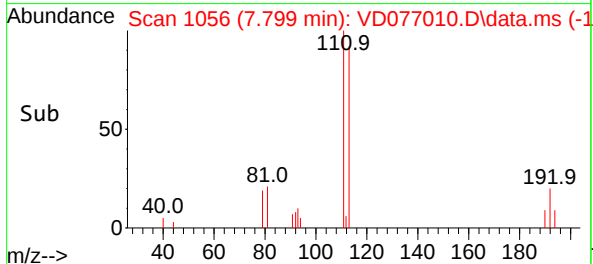
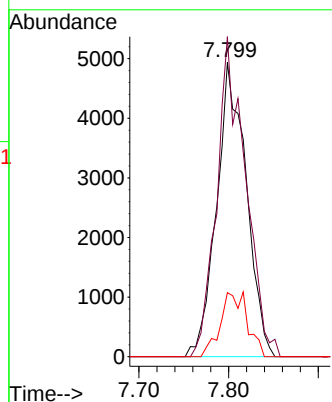
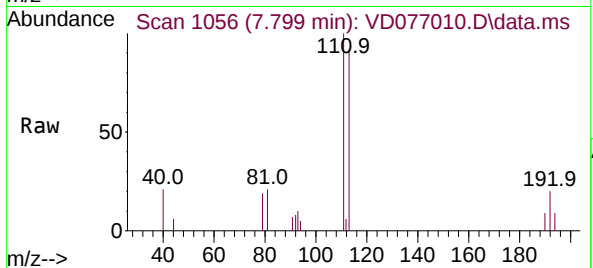
Tgt Ion:113 Resp: 11302

Ion Ratio Lower Upper

113 100

111 105.9 84.7 127.1

192 20.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 5.880 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD077010.D

Acq: 14 Aug 2023 19:29

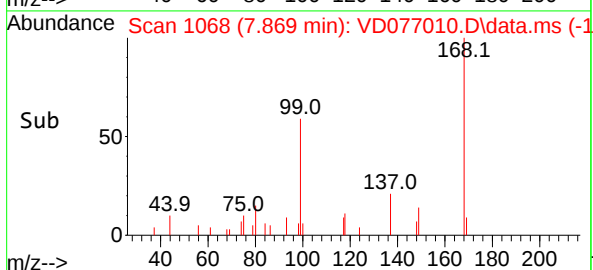
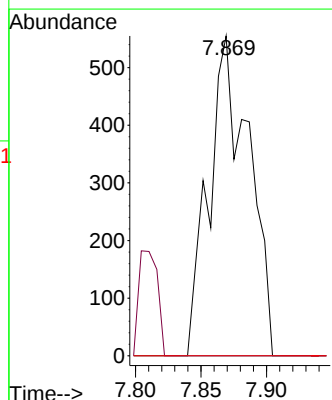
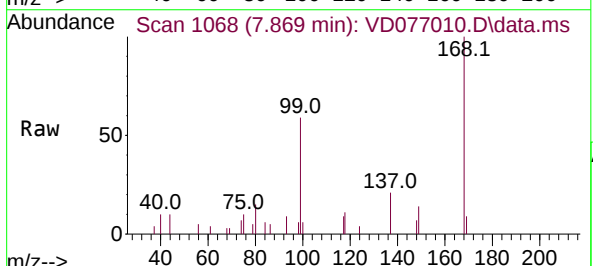
Tgt Ion: 75 Resp: 1178

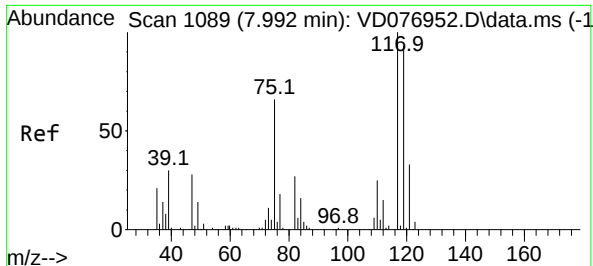
Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.6#

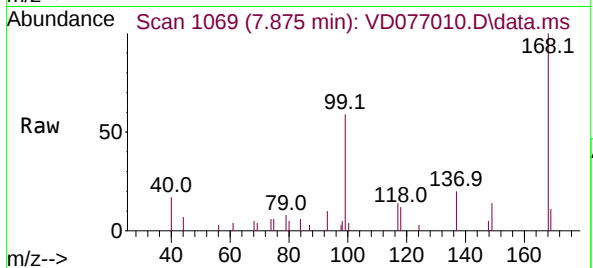
77 0.0 24.7 37.1#



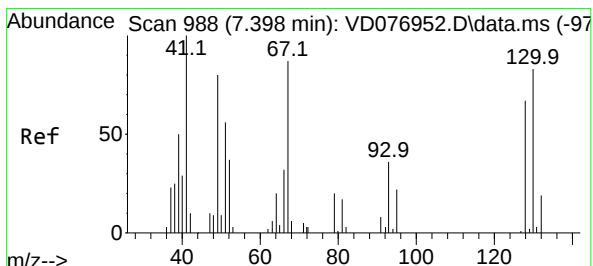
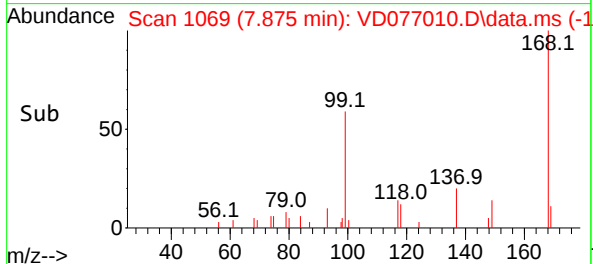
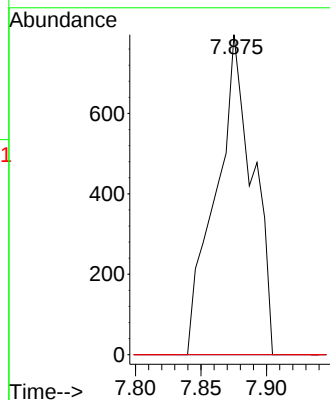


#38
Carbon Tetrachloride
Concen: 7.276 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.117 min
Lab File: VD077010.D
Acq: 14 Aug 2023 19:29

Instrument :
MSVOA_D
ClientSampleId :
SB-05-10.5-11.0

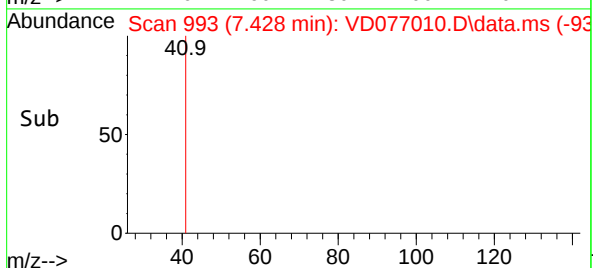
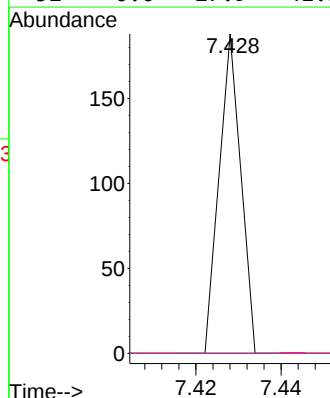
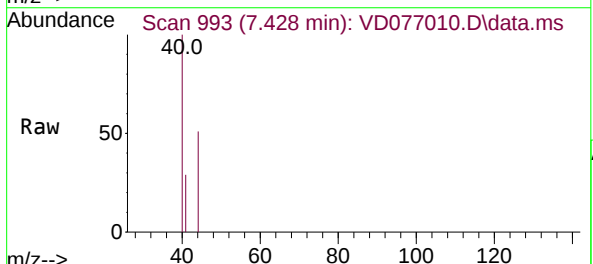


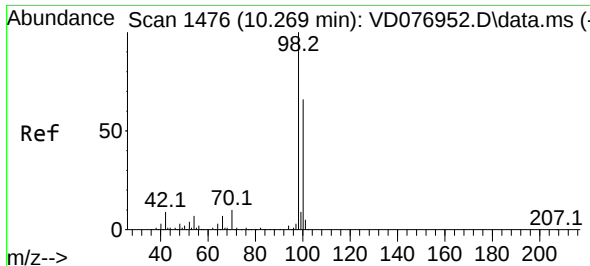
Tgt Ion:117 Resp: 1560
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.323 ug/l
RT: 7.428 min Scan# 993
Delta R.T. 0.030 min
Lab File: VD077010.D
Acq: 14 Aug 2023 19:29

Tgt Ion: 41 Resp: 66
Ion Ratio Lower Upper
41 100
39 0.0 34.0 51.0#
67 0.0 77.0 115.4#
52 0.0 27.9 41.9#

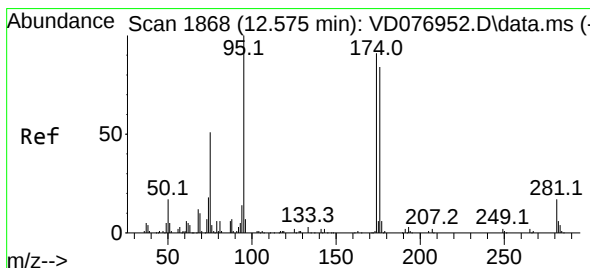
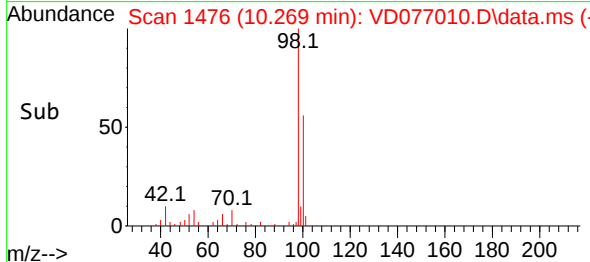
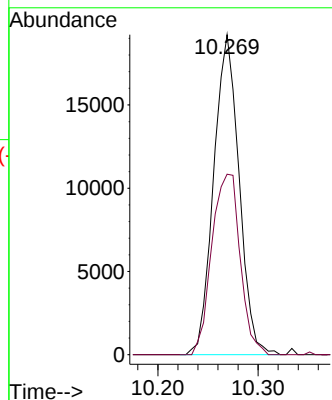
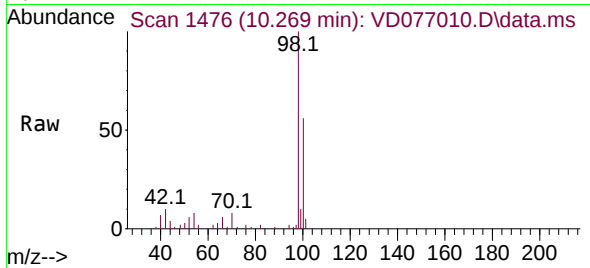




#50
Toluene-d8
Concen: 64.973 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077010.D
Acq: 14 Aug 2023 19:29

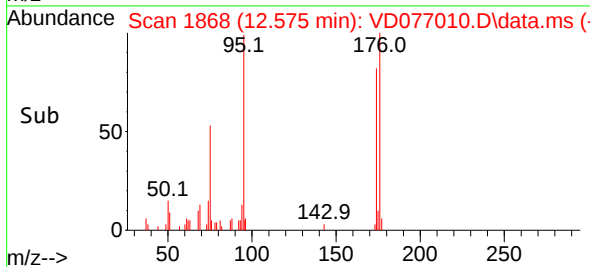
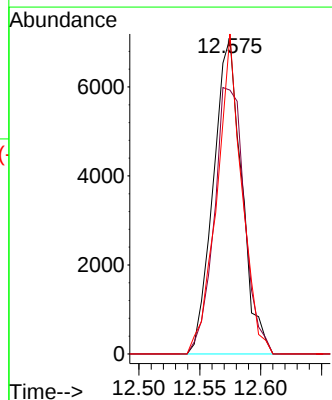
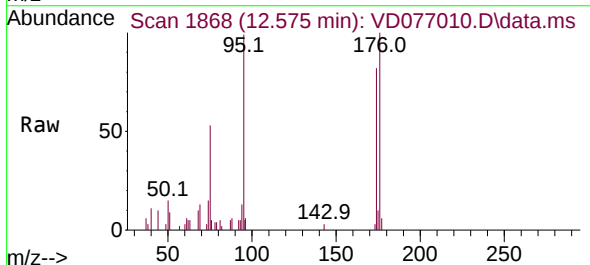
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MSVOA_D
ClientSampleId :
SB-05-10.5-11.0

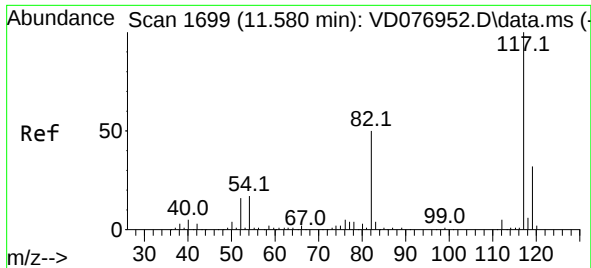
Tgt Ion: 98 Resp: 33808
Ion Ratio Lower Upper
98 100
100 63.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 63.116 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077010.D
Acq: 14 Aug 2023 19:29

Tgt Ion: 95 Resp: 11481
Ion Ratio Lower Upper
95 100
174 90.3 0.0 201.8
176 89.4 0.0 191.8

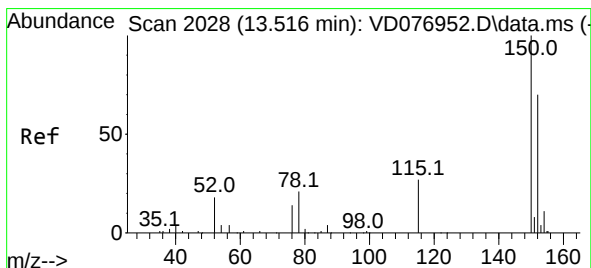
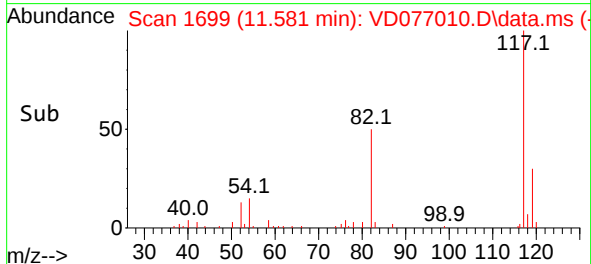
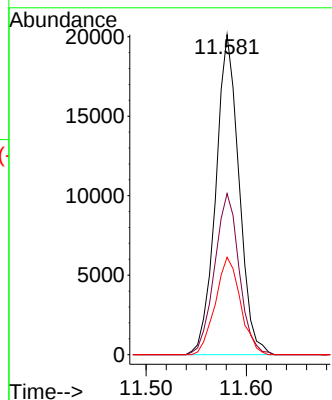
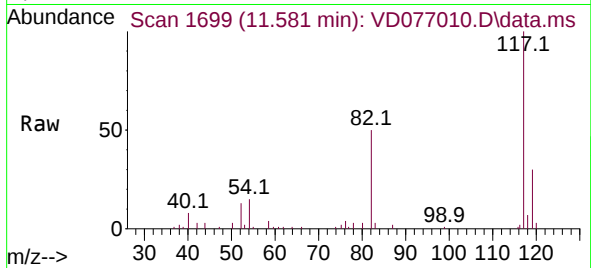




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD077010.D
Acq: 14 Aug 2023 19:29

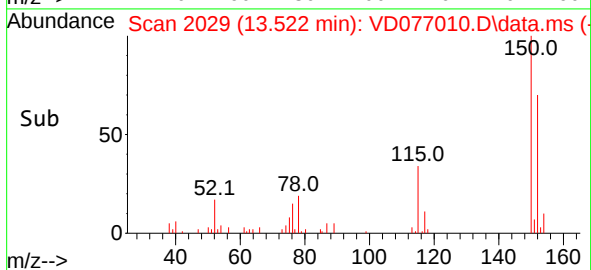
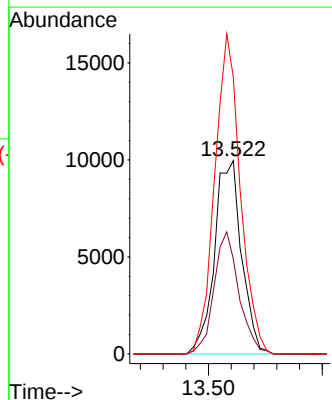
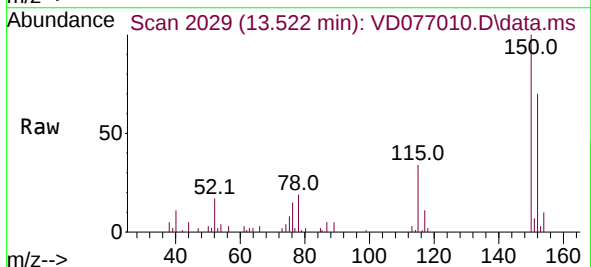
Instrument :
MSVOA_D
ClientSampleId :
SB-05-10.5-11.0

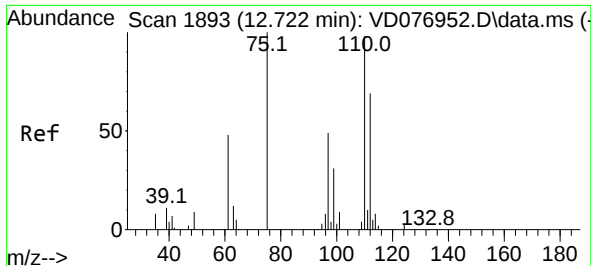
Tgt Ion:117 Resp: 32460
Ion Ratio Lower Upper
117 100
82 50.3 38.3 57.5
119 30.4 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077010.D
Acq: 14 Aug 2023 19:29

Tgt Ion:152 Resp: 16500
Ion Ratio Lower Upper
152 100
115 58.0 27.1 81.3
150 156.3 0.0 353.6

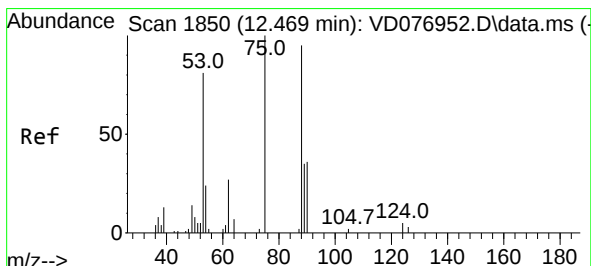
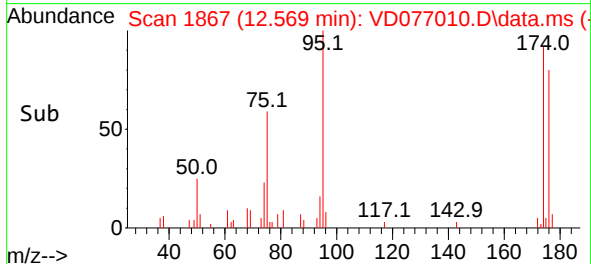
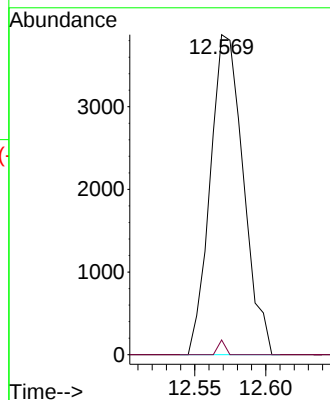
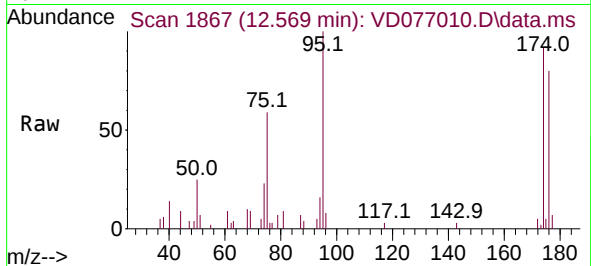




#76
1,2,3-Trichloropropane
Concen: 40.527 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD077010.D
Acq: 14 Aug 2023 19:29

Instrument :
MSVOA_D
ClientSampleId :
SB-05-10.5-11.0

Tgt Ion: 75 Resp: 6273
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.214 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD077010.D
Acq: 14 Aug 2023 19:29

Tgt Ion: 75 Resp: 6273
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

