

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD077007.D
 Acq On : 14 Aug 2023 18:04
 Operator : JC/SY
 Sample : 03973-03
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-16.5-17.0

Quant Time: Aug 15 04:50:24 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)

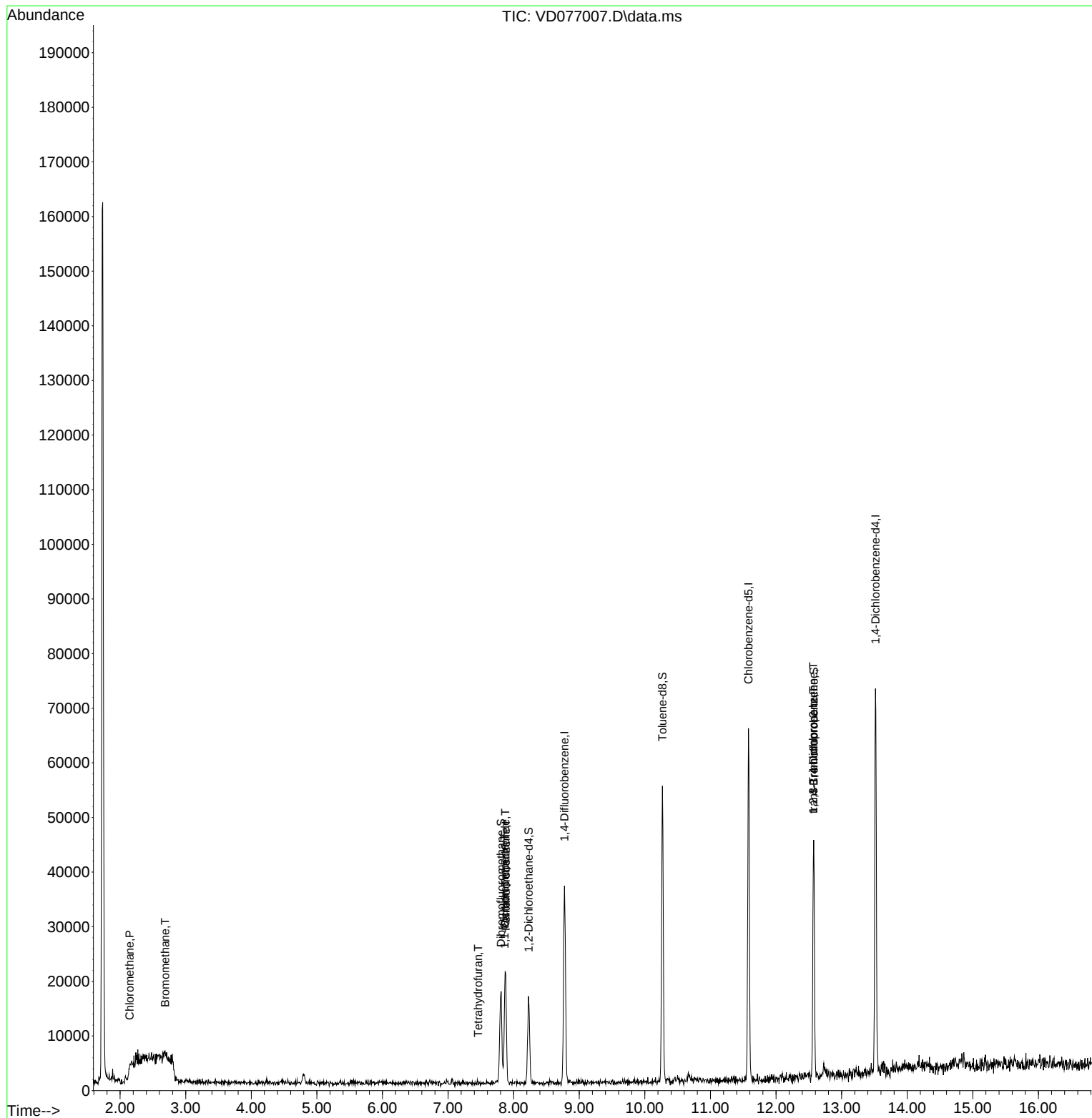
Internal Standards						
1) Pentafluorobenzene	7.881	168	17681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	35566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	39449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	19955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	11474	82.264	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.520%#	
35) Dibromofluoromethane	7.810	113	11990	62.707	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.420%	
50) Toluene-d8	10.269	98	38248	62.279	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 124.560%	
62) 4-Bromofluorobenzene	12.575	95	15120	70.426	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 140.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	173	1.153	ug/l #	32
5) Bromomethane	2.687	94	621	3.107	ug/l #	1
20) Methylene Chloride	4.799	84	1623	Below Cal	#	89
29) Tetrahydrofuran	7.457	42	73	2.802	ug/l #	23
31) Cyclohexane	7.875	56	236	Below Cal	#	14
36) 1,1-Dichloropropene	7.863	75	993	4.200	ug/l #	39
38) Carbon Tetrachloride	7.875	117	1668	6.591	ug/l #	11
76) 1,2,3-Trichloropropane	12.569	75	7035	37.580	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	7035	88.293	ug/l #	19

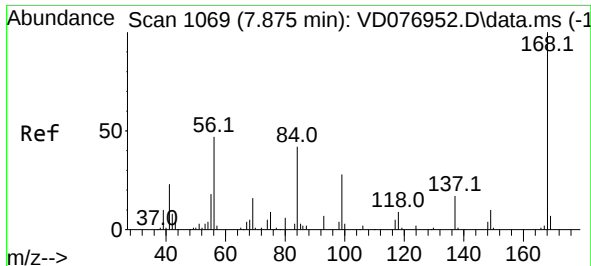
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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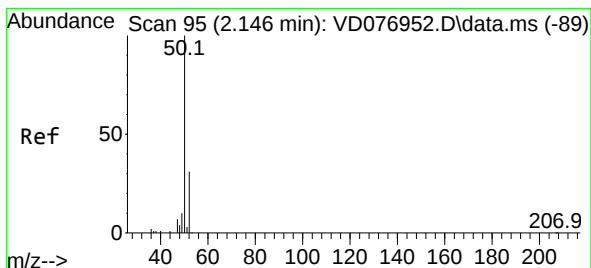
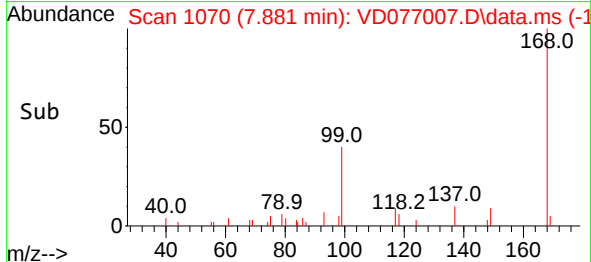
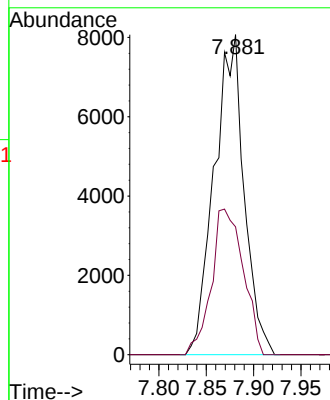
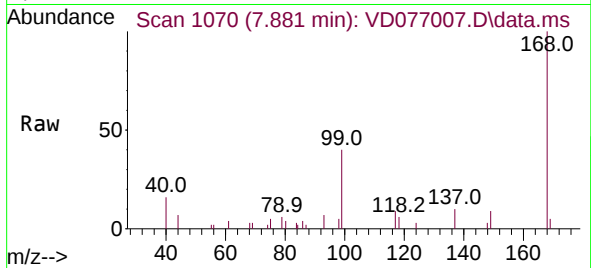




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD077007.D
Acq: 14 Aug 2023 18:04

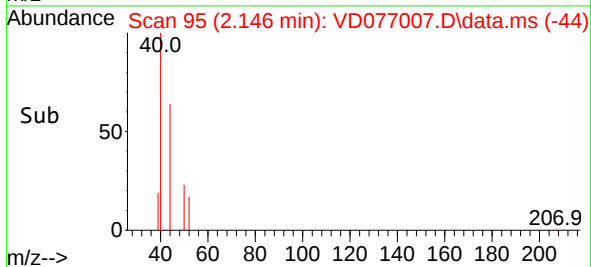
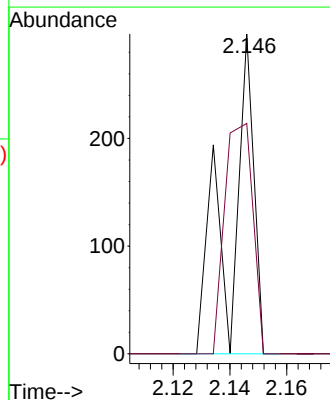
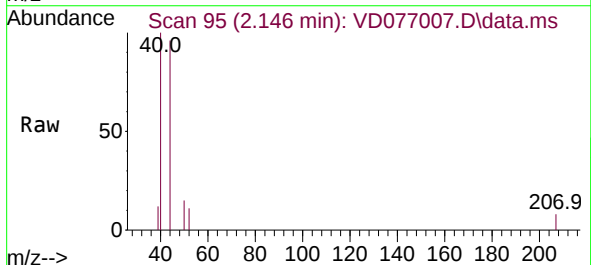
Instrument :
MSVOA_D
ClientSampleId :
SB-02-16.5-17.0

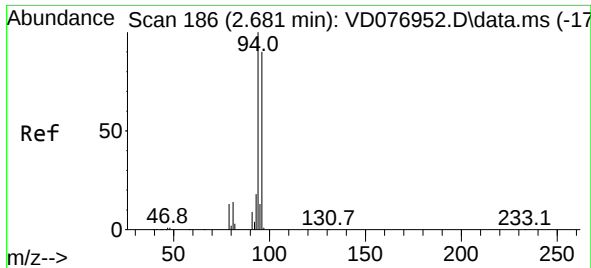
Tgt Ion:168 Resp: 17681
Ion Ratio Lower Upper
168 100
99 40.0 36.7 55.1



#3
Chloromethane
Concen: 1.153 ug/l
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD077007.D
Acq: 14 Aug 2023 18:04

Tgt Ion: 50 Resp: 173
Ion Ratio Lower Upper
50 100
52 72.1 26.6 40.0#

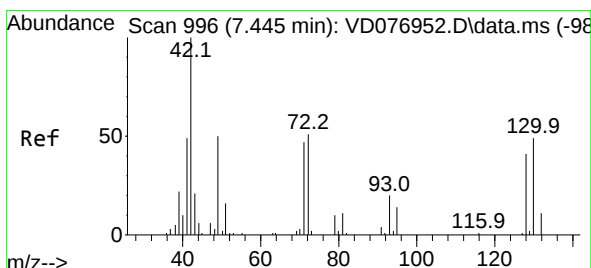
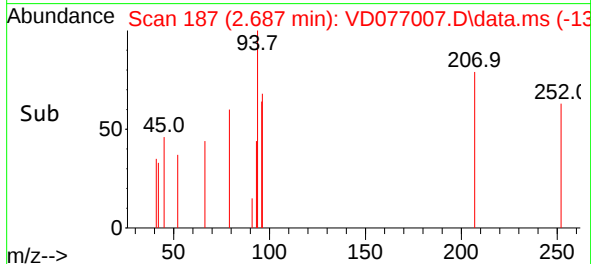
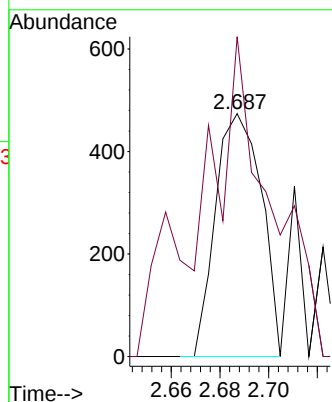
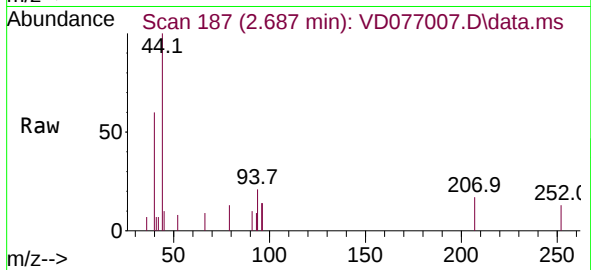




#5
Bromomethane
Concen: 3.107 ug/l
RT: 2.687 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077007.D
Acq: 14 Aug 2023 18:04

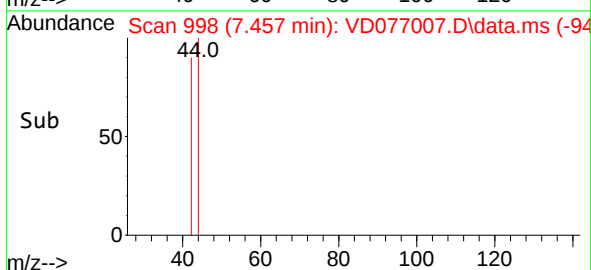
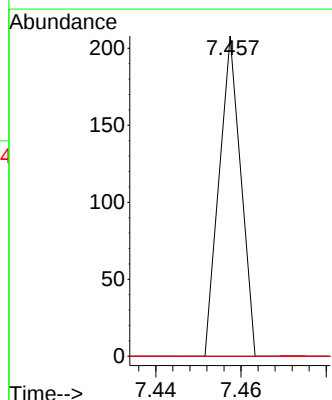
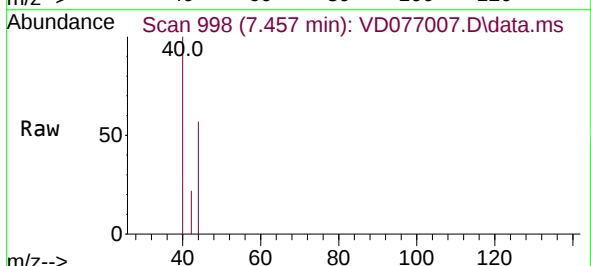
Instrument :
MSVOA_D
ClientSampleId :
SB-02-16.5-17.0

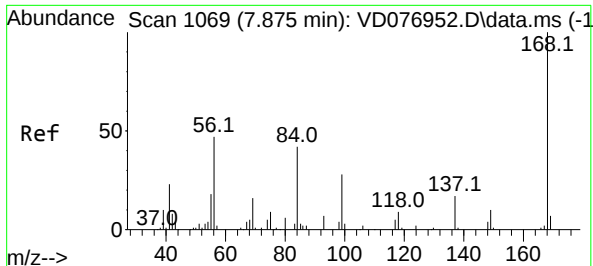
Tgt Ion: 94 Resp: 621
Ion Ratio Lower Upper
94 100
96 201.4 75.8 113.8#



#29
Tetrahydrofuran
Concen: 2.802 ug/l
RT: 7.457 min Scan# 998
Delta R.T. 0.012 min
Lab File: VD077007.D
Acq: 14 Aug 2023 18:04

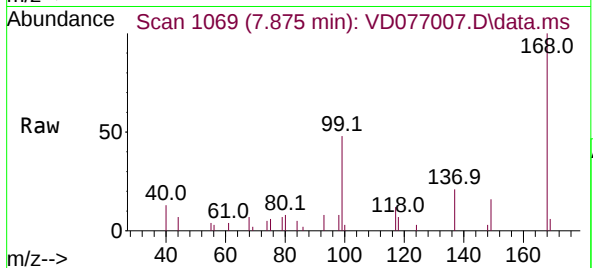
Tgt Ion: 42 Resp: 73
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#



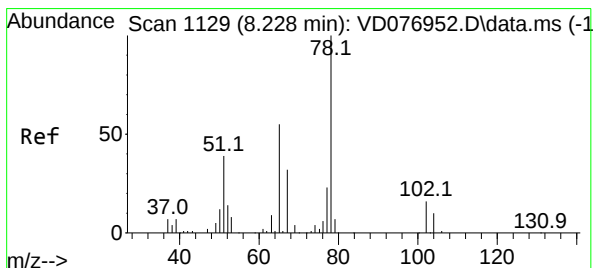
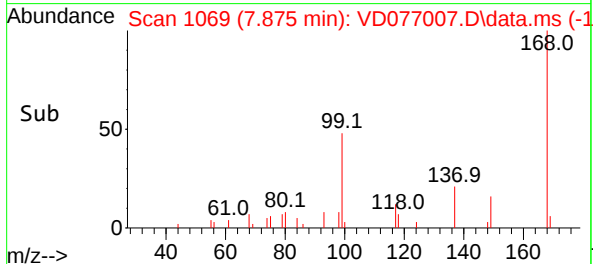
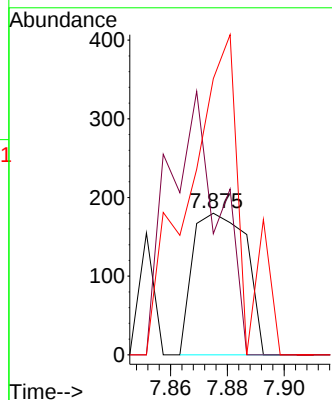


#31
Cyclohexane
Concen: Below Cal
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077007.D
Acq: 14 Aug 2023 18:04

Instrument :
MSVOA_D
ClientSampleId :
SB-02-16.5-17.0

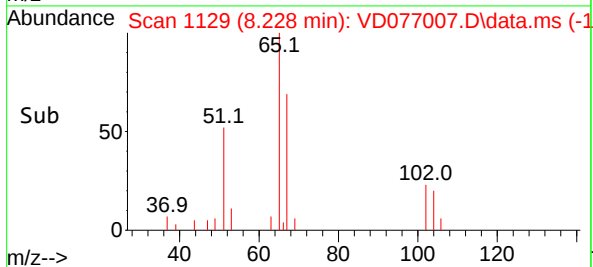
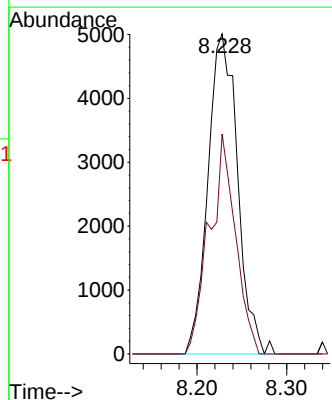
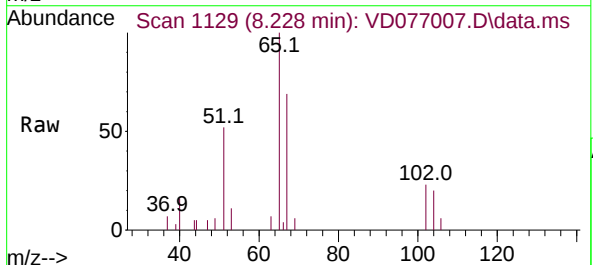


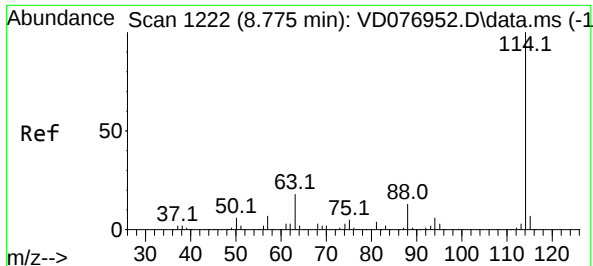
Tgt Ion: 56 Resp: 236
Ion Ratio Lower Upper
56 100
69 85.6 28.6 43.0#
84 195.0 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 82.264 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077007.D
Acq: 14 Aug 2023 18:04

Tgt Ion: 65 Resp: 11474
Ion Ratio Lower Upper
65 100
67 60.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077007.D

Acq: 14 Aug 2023 18:04

Instrument :

MSVOA_D

ClientSampleId :

SB-02-16.5-17.0

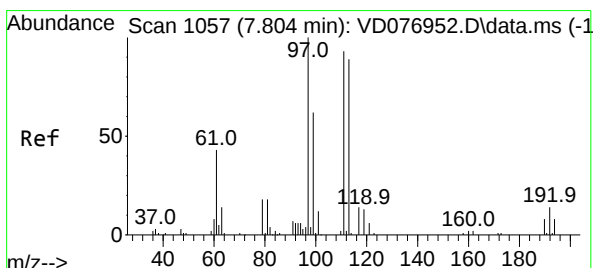
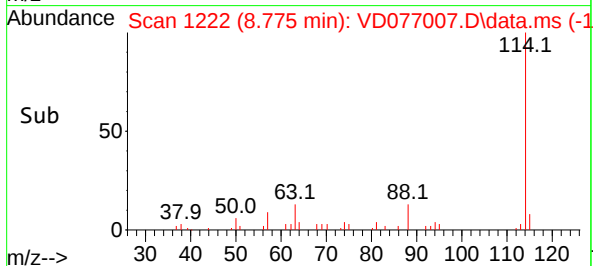
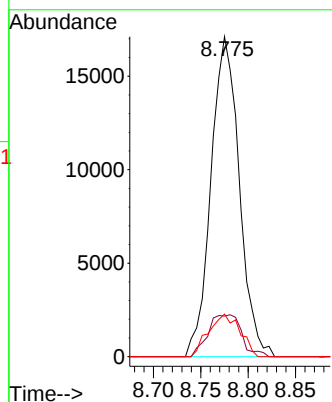
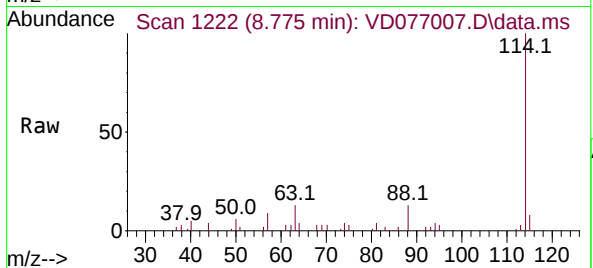
Tgt Ion:114 Resp: 35566

Ion Ratio Lower Upper

114 100

63 12.7 0.0 33.4

88 13.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 62.707 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077007.D

Acq: 14 Aug 2023 18:04

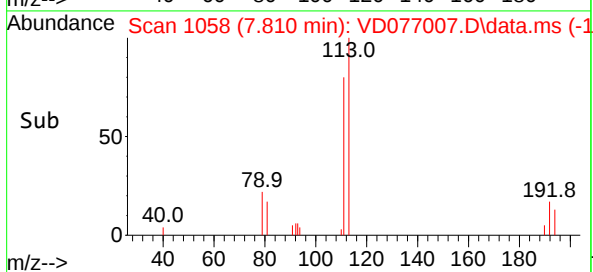
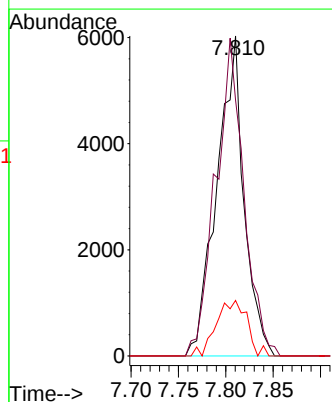
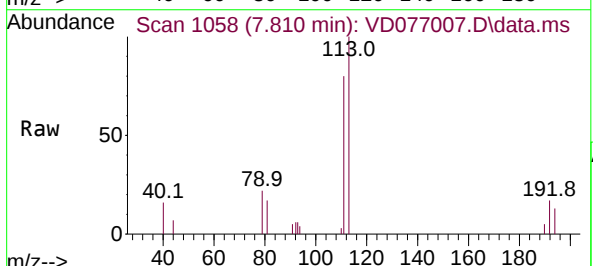
Tgt Ion:113 Resp: 11990

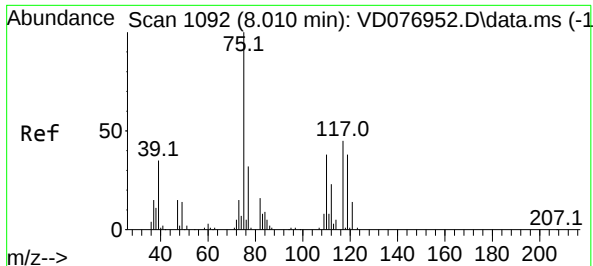
Ion Ratio Lower Upper

113 100

111 103.6 84.7 127.1

192 19.7 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.200 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VD077007.D

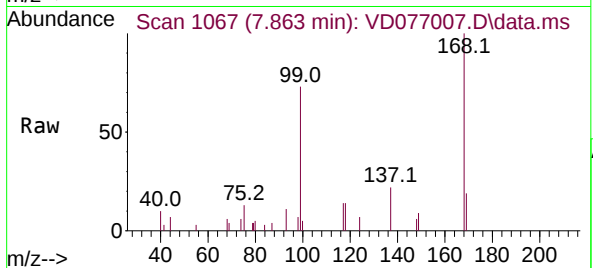
Acq: 14 Aug 2023 18:04

Instrument :

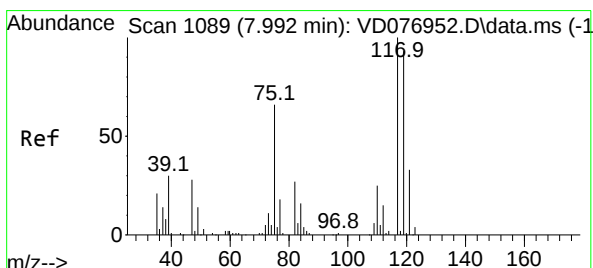
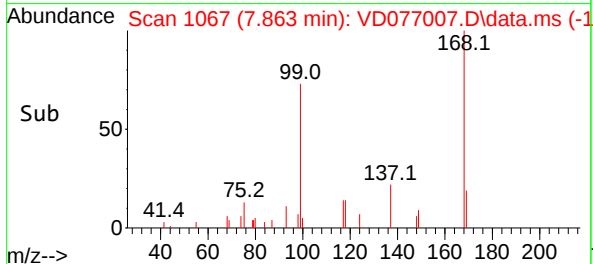
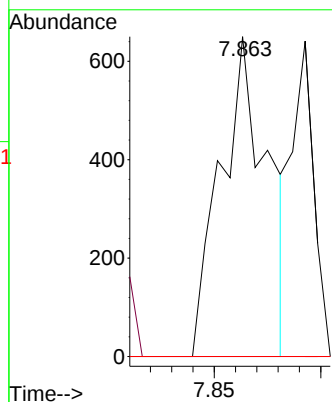
MSVOA_D

ClientSampleId :

SB-02-16.5-17.0



Tgt Ion:	75	Resp:	993
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 6.591 ug/l

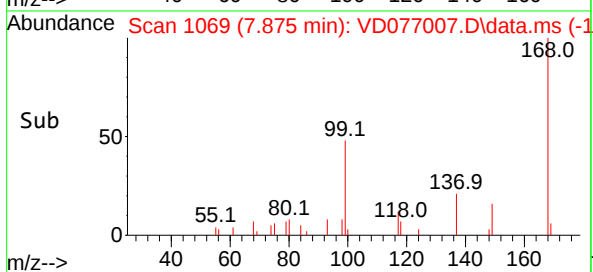
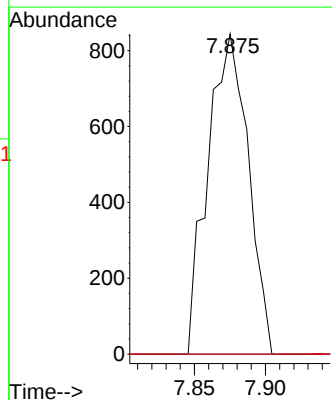
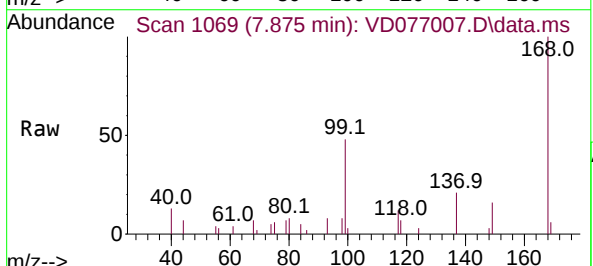
RT: 7.875 min Scan# 1069

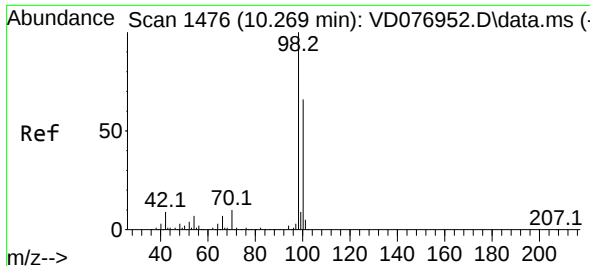
Delta R.T. -0.117 min

Lab File: VD077007.D

Acq: 14 Aug 2023 18:04

Tgt Ion:	117	Resp:	1668
Ion	Ratio	Lower	Upper
117	100		
119	0.0	78.0	117.0#
121	0.0	24.2	36.2#

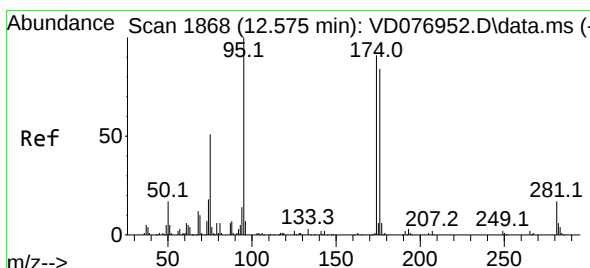
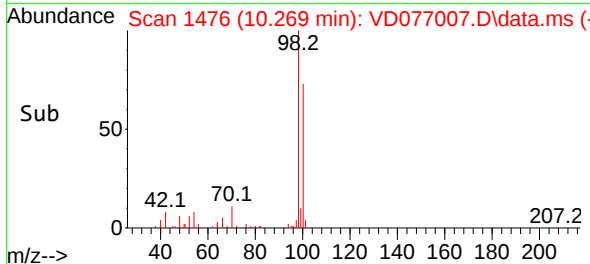
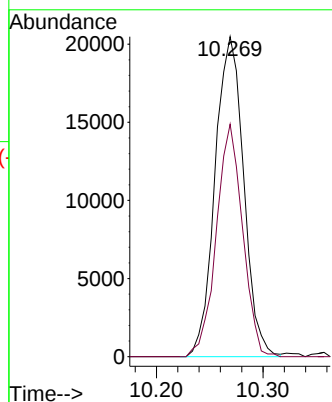
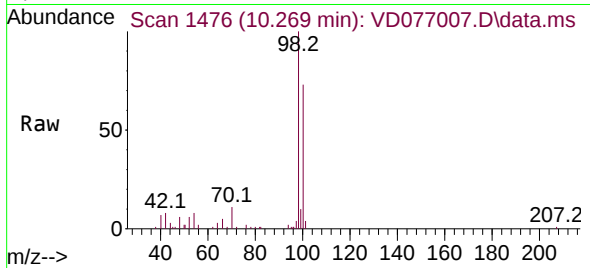




#50
Toluene-d8
Concen: 62.279 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077007.D
Acq: 14 Aug 2023 18:04

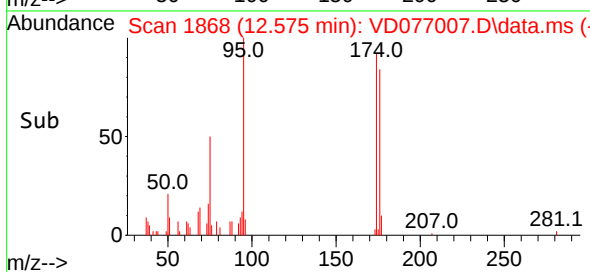
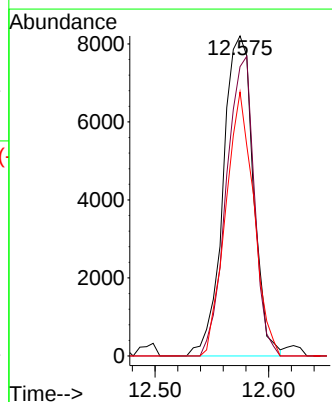
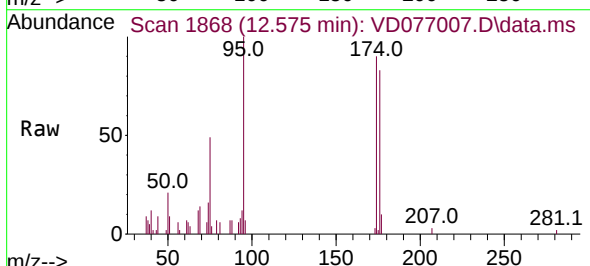
Instrument :
MSVOA_D
ClientSampleId :
SB-02-16.5-17.0

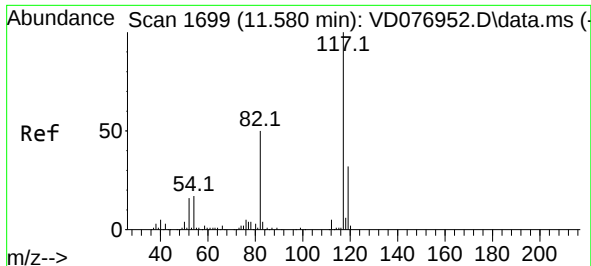
Tgt Ion: 98 Resp: 38248
Ion Ratio Lower Upper
98 100
100 66.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 70.426 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077007.D
Acq: 14 Aug 2023 18:04

Tgt Ion: 95 Resp: 15120
Ion Ratio Lower Upper
95 100
174 86.3 0.0 201.8
176 76.7 0.0 191.8

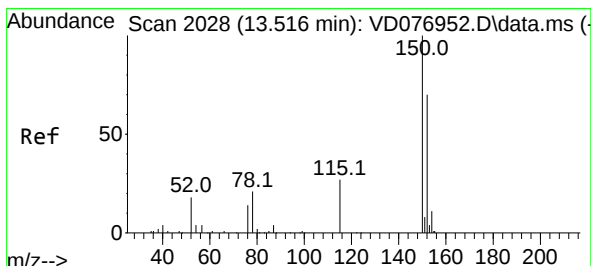
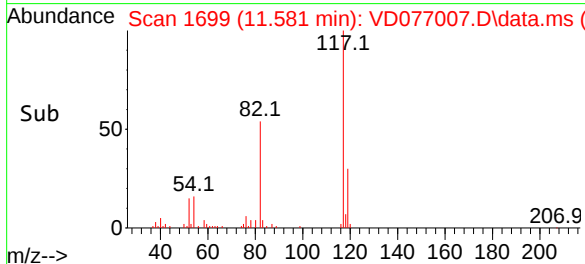
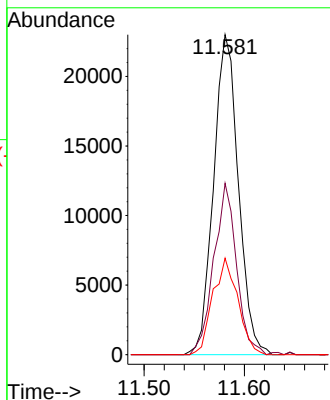
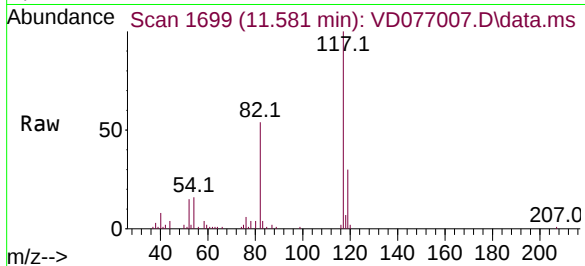




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD077007.D
Acq: 14 Aug 2023 18:04

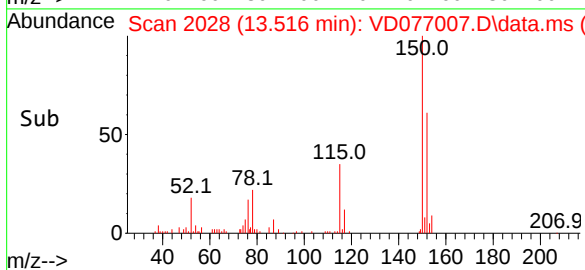
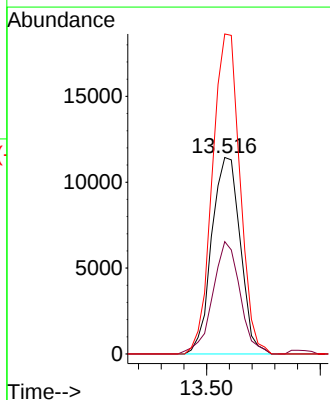
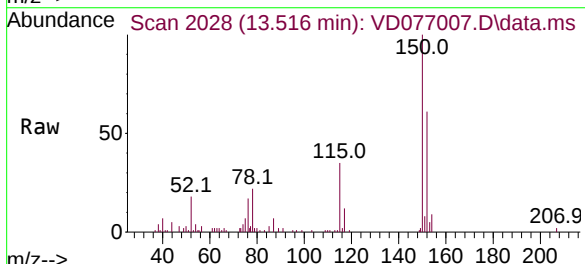
Instrument :
MSVOA_D
ClientSampleId :
SB-02-16.5-17.0

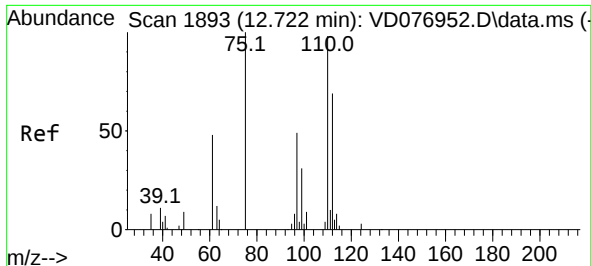
Tgt Ion:117 Resp: 39449
Ion Ratio Lower Upper
117 100
82 53.5 38.3 57.5
119 30.2 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077007.D
Acq: 14 Aug 2023 18:04

Tgt Ion:152 Resp: 19955
Ion Ratio Lower Upper
152 100
115 54.8 27.1 81.3
150 157.2 0.0 353.6

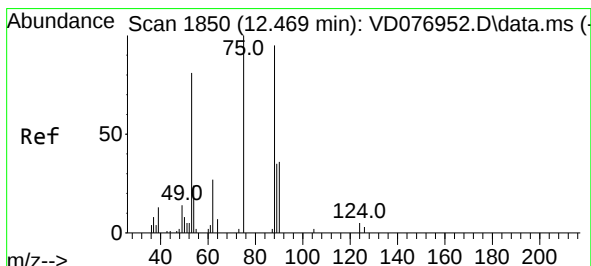
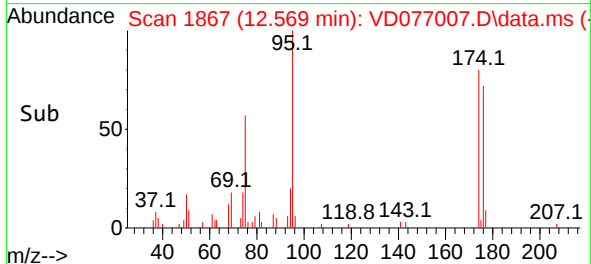
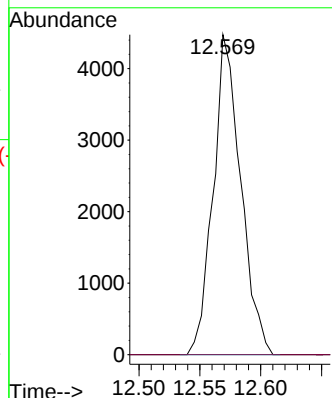
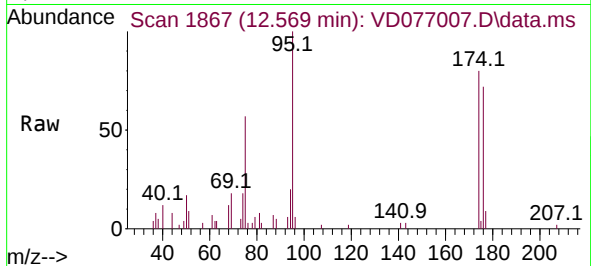




#76
1,2,3-Trichloropropane
Concen: 37.580 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD077007.D
Acq: 14 Aug 2023 18:04

Instrument :
MSVOA_D
ClientSampleId :
SB-02-16.5-17.0

Tgt Ion: 75 Resp: 7035
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 88.293 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD077007.D
Acq: 14 Aug 2023 18:04

Tgt Ion: 75 Resp: 7035
Ion Ratio Lower Upper
75 100
53 2.0 63.0 94.4#
89 0.0 37.9 56.9#

