

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079502.D
 Acq On : 31 Jul 2024 18:00
 Operator : RP/MD
 Sample : P3379-17
 Misc : 5.83G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OU4-VSL-04-072324

Quant Time: Aug 01 01:54:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

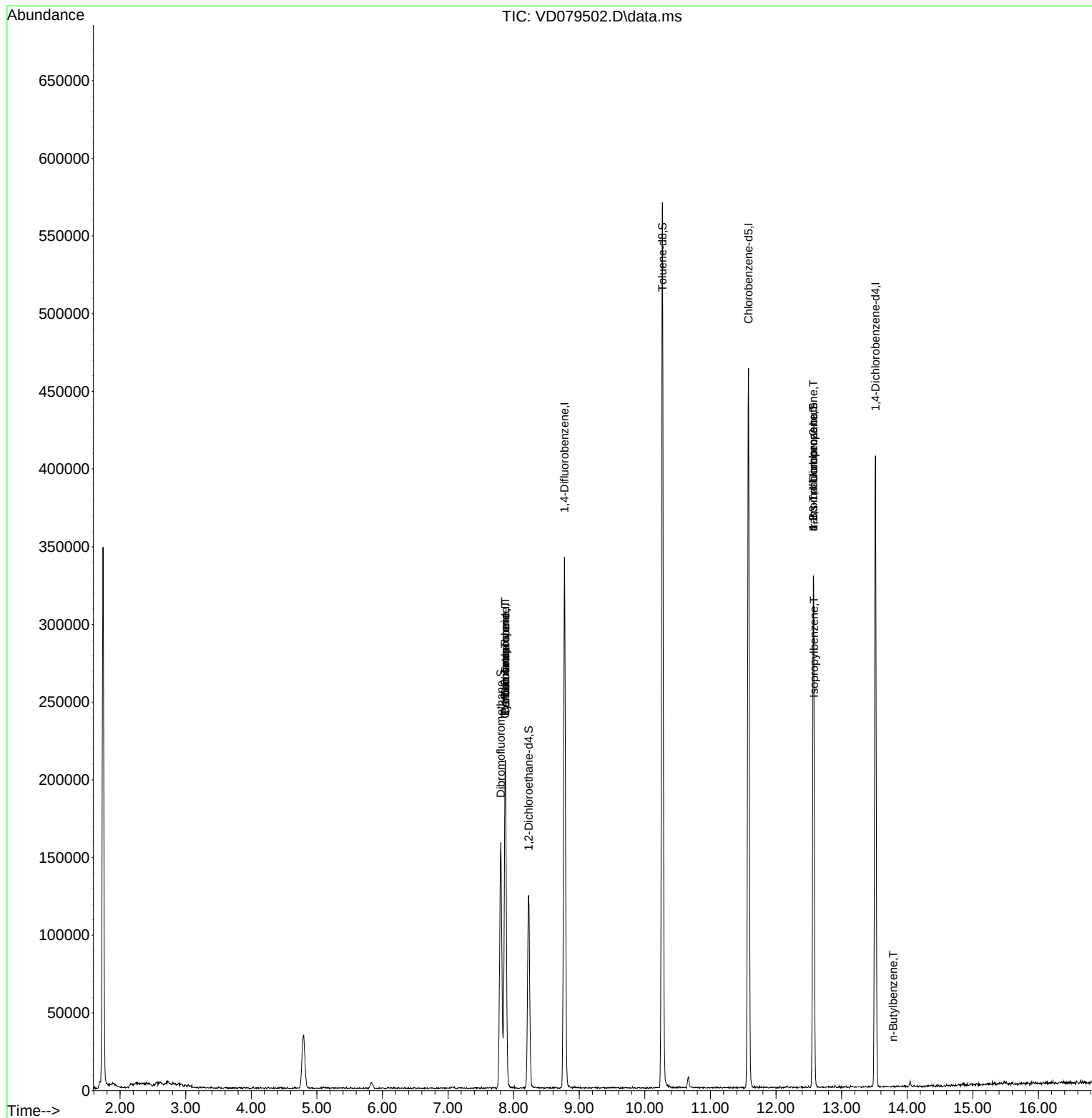
Internal Standards						
1) Pentafluorobenzene	7.875	168	169824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	311389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	285426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	117751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	97321	56.410	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.820%			
35) Dibromofluoromethane	7.804	113	113600	53.900	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.800%			
50) Toluene-d8	10.269	98	408609	49.924	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.840%			
62) 4-Bromofluorobenzene	12.569	95	102357	43.216	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 86.440%			
Target Compounds						
5) Bromomethane	2.699	94	238	Below Cal	#	23
11) Tert butyl alcohol	5.057	59	60	Below Cal	#	86
20) Methylene Chloride	4.799	84	28256	Below Cal		95
31) Cyclohexane	7.869	56	3500	1.222	ug/l #	21
36) 1,1-Dichloropropene	7.875	75	12488	4.341	ug/l #	45
38) Carbon Tetrachloride	7.875	117	16041	5.304	ug/l #	17
73) Isopropylbenzene	12.581	105	58	3.634	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	49878	48.460	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	49878	92.426	ug/l #	19
89) n-Butylbenzene	13.786	91	68	3.790	ug/l #	53

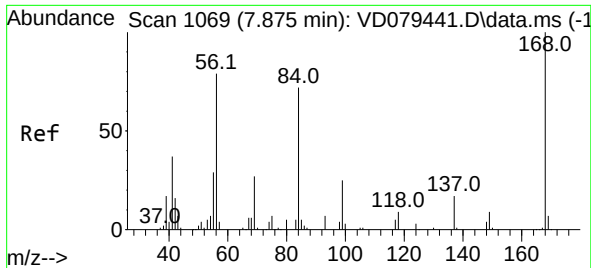
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-VSL-04-072324

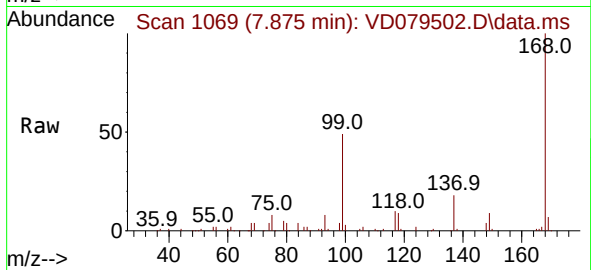
Quant Time: Aug 01 01:54:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



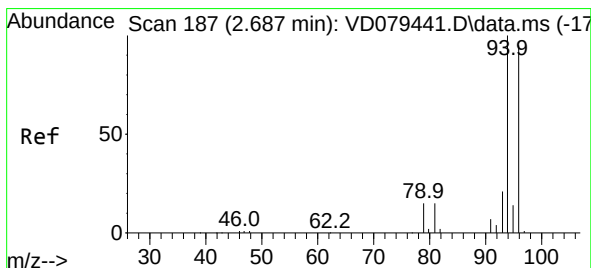
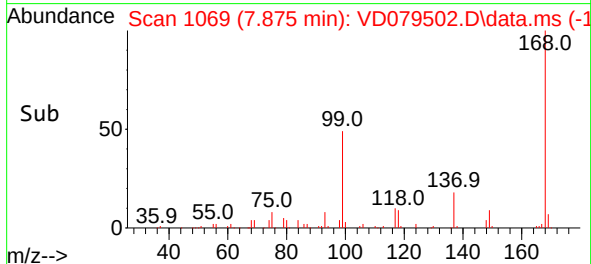
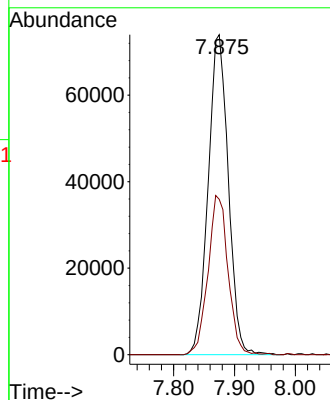


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079502.D
Acq: 31 Jul 2024 18:00

Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-04-072324

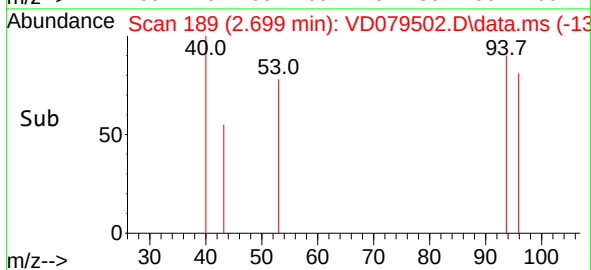
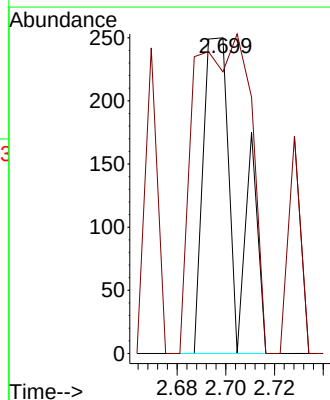
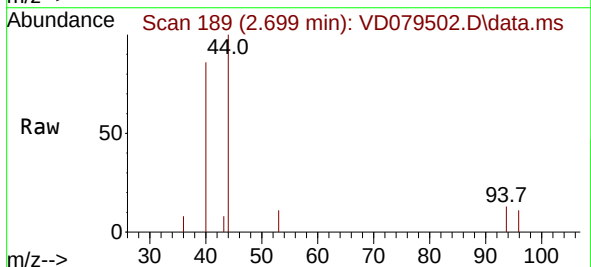


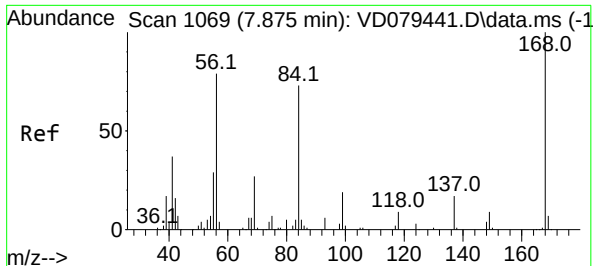
Tgt Ion:168 Resp: 169824
Ion Ratio Lower Upper
168 100
99 48.6 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079502.D
Acq: 31 Jul 2024 18:00

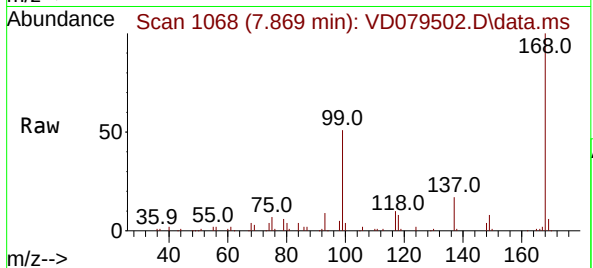
Tgt Ion: 94 Resp: 238
Ion Ratio Lower Upper
94 100
96 171.0 76.9 115.3#



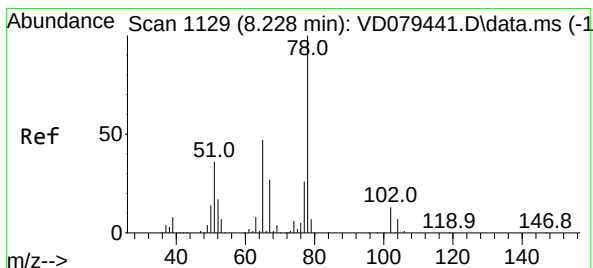
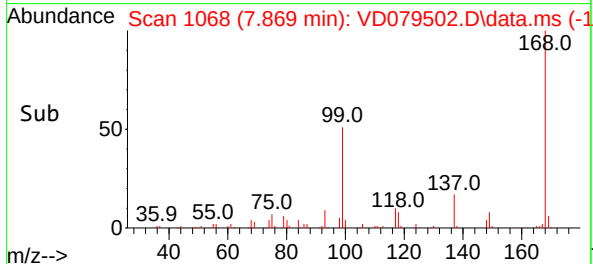
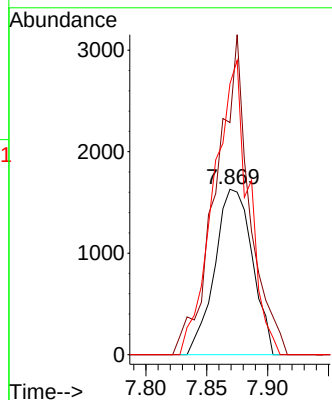


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD079502.D
Acq: 31 Jul 2024 18:00

Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-04-072324

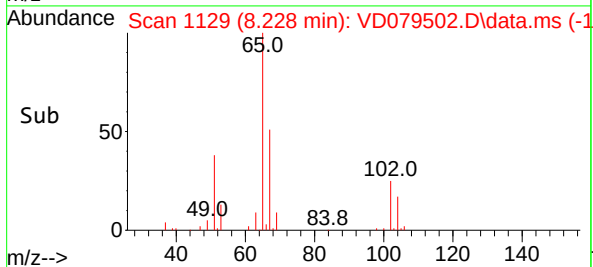
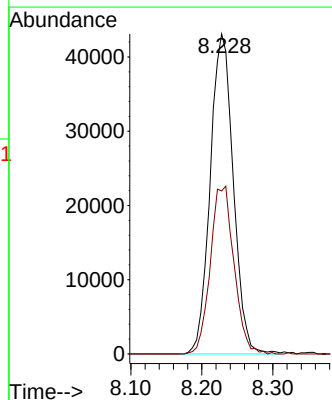
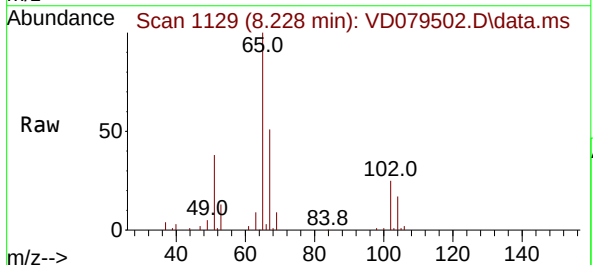


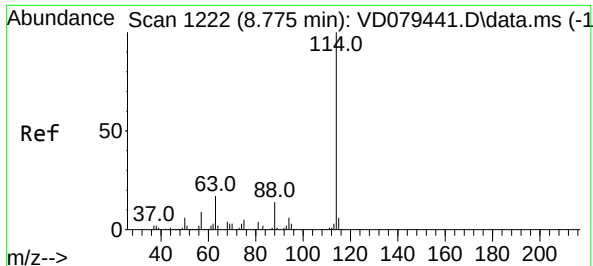
Tgt Ion: 56 Resp: 3500
Ion Ratio Lower Upper
56 100
69 129.2 28.0 42.0#
84 163.7 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 56.410 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079502.D
Acq: 31 Jul 2024 18:00

Tgt Ion: 65 Resp: 97321
Ion Ratio Lower Upper
65 100
67 53.7 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1114

Delta R.T. -0.000 min

Lab File: VD079502.D

Acq: 31 Jul 2024 18:00

Instrument :

MSVOA_D

ClientSampleId :

OU4-VSL-04-072324

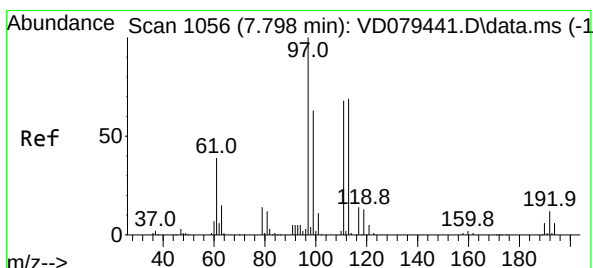
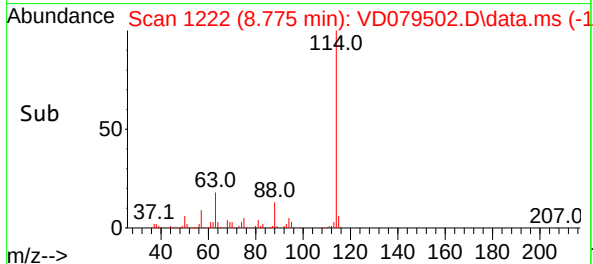
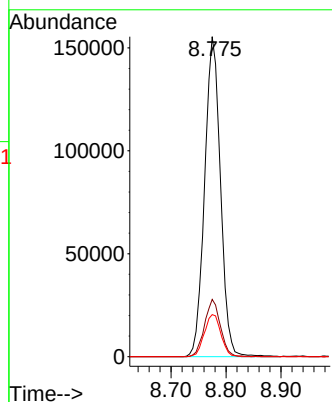
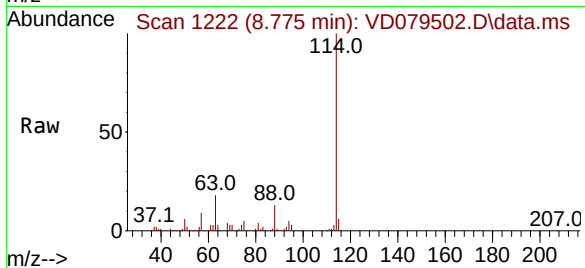
Tgt Ion:114 Resp: 311389

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.0

88 13.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 53.900 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079502.D

Acq: 31 Jul 2024 18:00

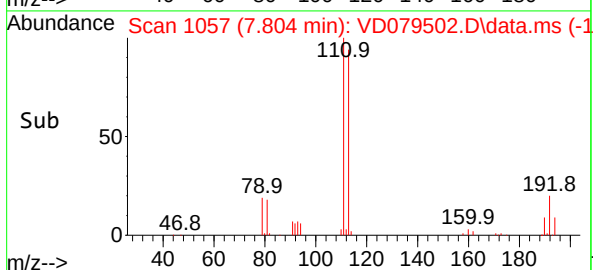
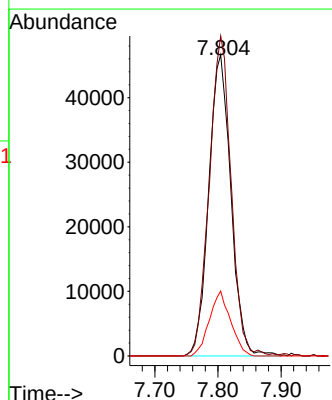
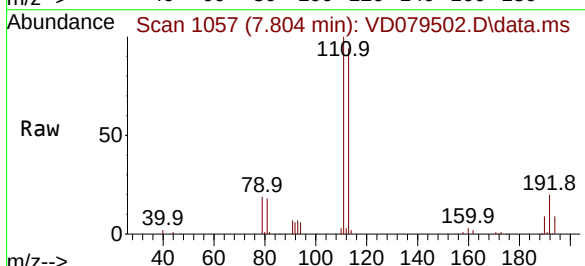
Tgt Ion:113 Resp: 113600

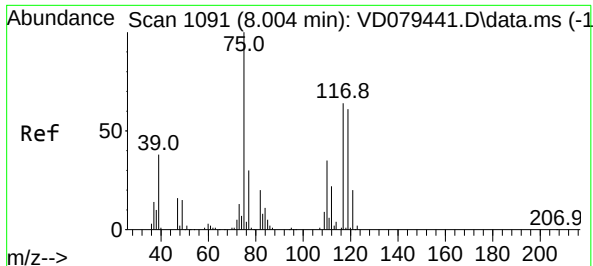
Ion Ratio Lower Upper

113 100

111 104.6 84.0 126.0

192 20.7 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.341 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079502.D

Acq: 31 Jul 2024 18:00

Instrument :

MSVOA_D

ClientSampleId :

OU4-VSL-04-072324

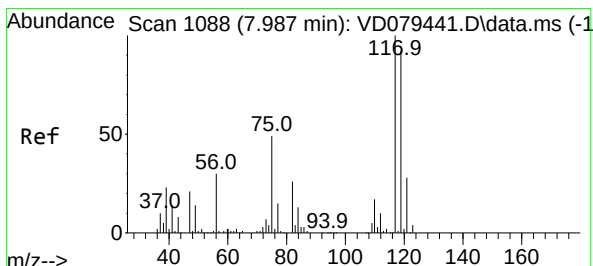
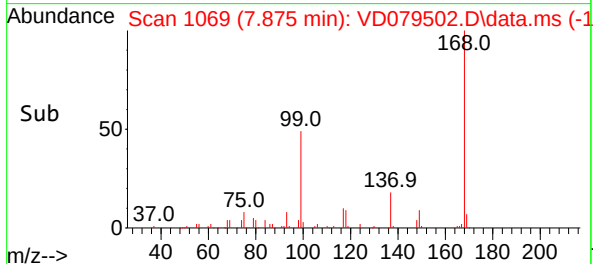
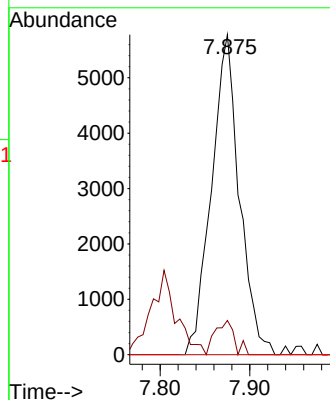
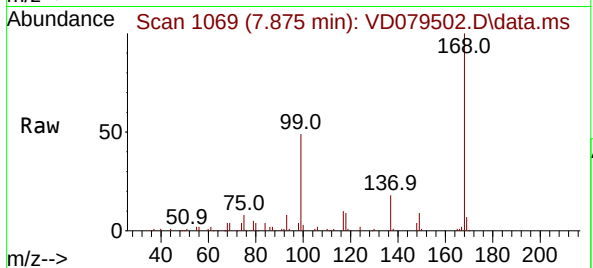
Tgt Ion: 75 Resp: 12488

Ion Ratio Lower Upper

75 100

110 7.4 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 5.304 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD079502.D

Acq: 31 Jul 2024 18:00

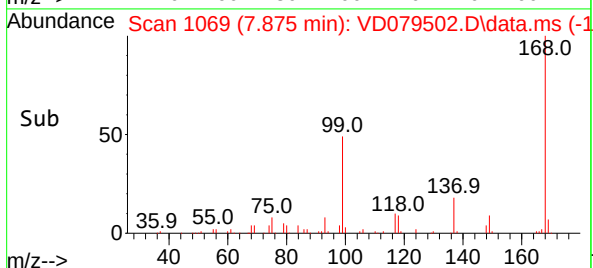
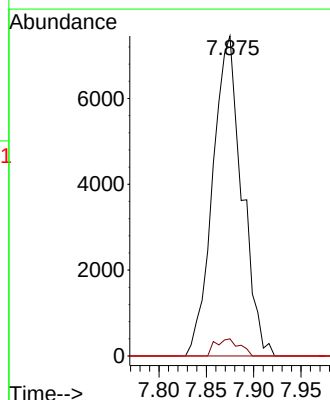
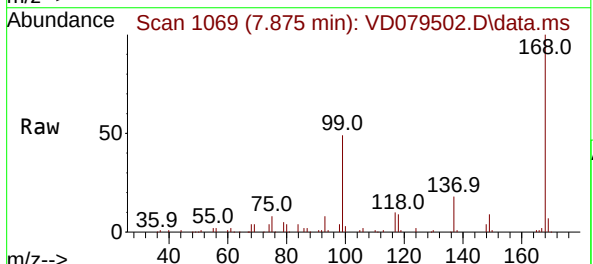
Tgt Ion: 117 Resp: 16041

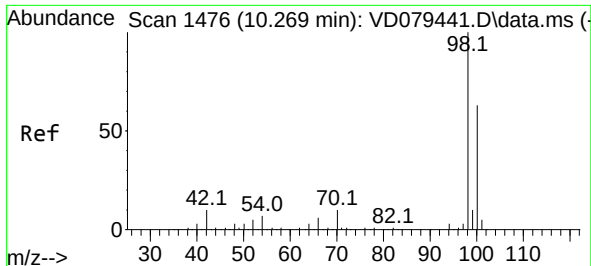
Ion Ratio Lower Upper

117 100

119 5.3 75.4 113.0#

121 0.0 25.0 37.4#

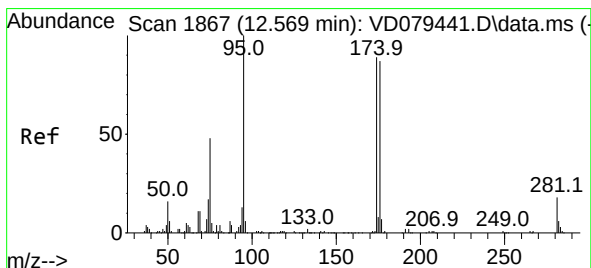
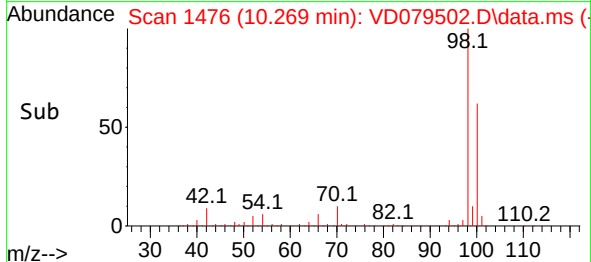
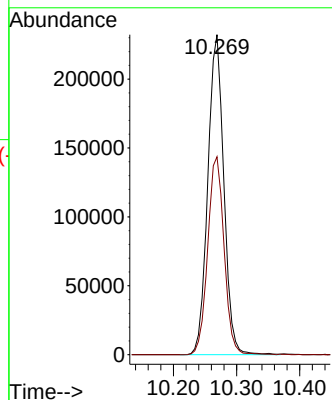
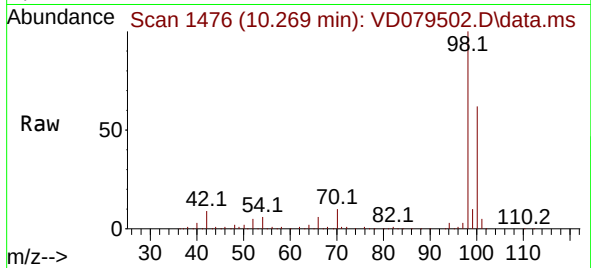




#50
Toluene-d8
Concen: 49.924 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079502.D
Acq: 31 Jul 2024 18:00

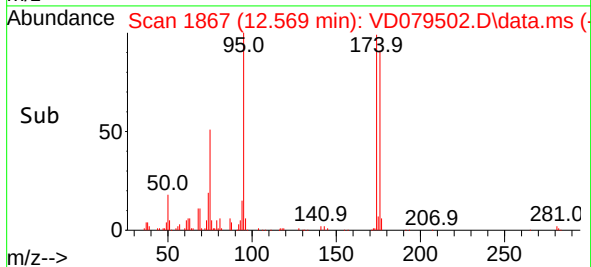
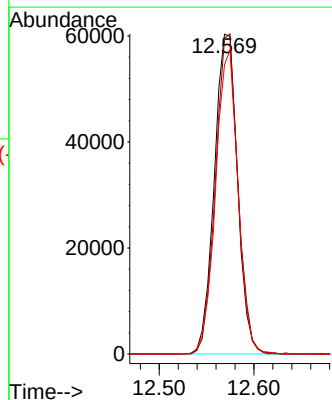
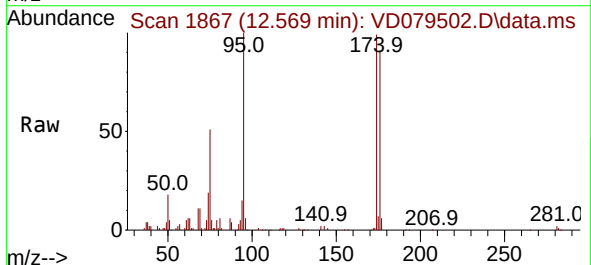
Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-04-072324

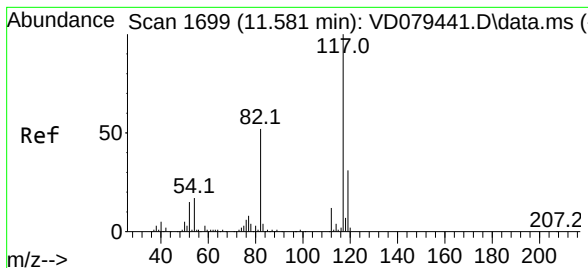
Tgt Ion: 98 Resp: 408609
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 43.216 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079502.D
Acq: 31 Jul 2024 18:00

Tgt Ion: 95 Resp: 102357
Ion Ratio Lower Upper
95 100
174 96.8 0.0 195.4
176 92.3 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD079502.D

Acq: 31 Jul 2024 18:00

Instrument :

MSVOA_D

ClientSampleId :

OU4-VSL-04-072324

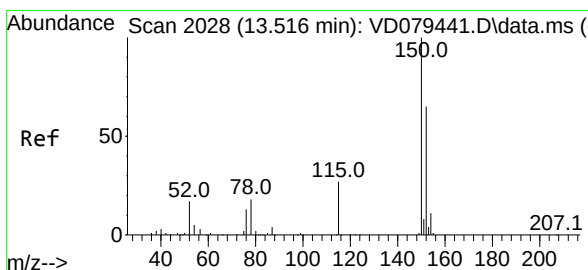
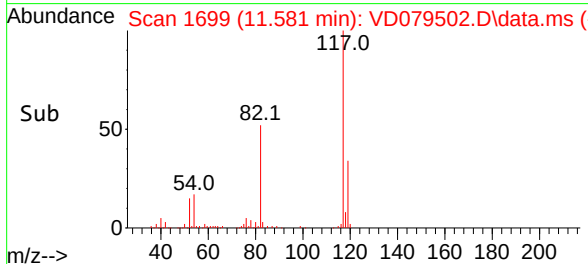
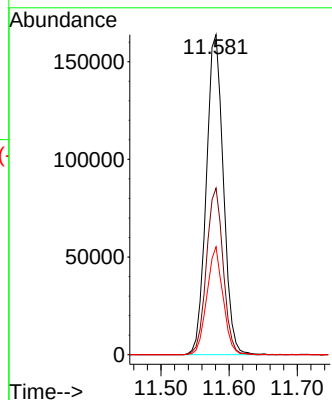
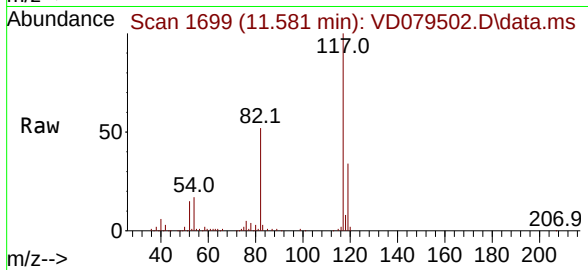
Tgt Ion:117 Resp: 285426

Ion Ratio Lower Upper

117 100

82 52.0 39.8 59.6

119 33.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.006 min

Lab File: VD079502.D

Acq: 31 Jul 2024 18:00

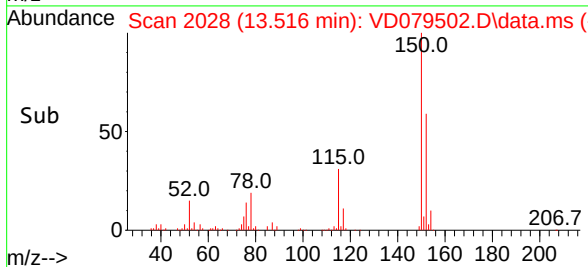
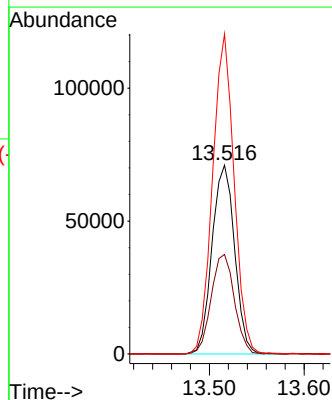
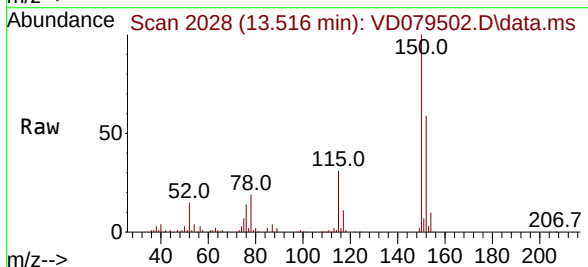
Tgt Ion:152 Resp: 117751

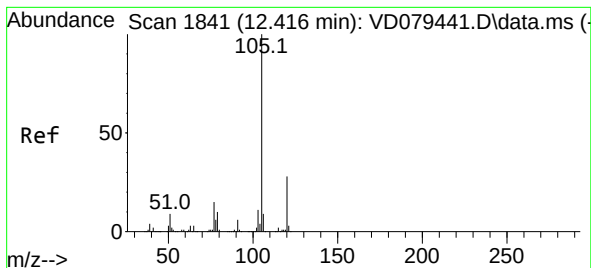
Ion Ratio Lower Upper

152 100

115 54.1 26.5 79.5

150 161.0 0.0 341.6





#73

Isopropylbenzene

Concen: 3.634 ug/l

RT: 12.581 min Scan# 1869

Delta R.T. 0.165 min

Lab File: VD079502.D

Acq: 31 Jul 2024 18:00

Instrument :

MSVOA_D

ClientSampleId :

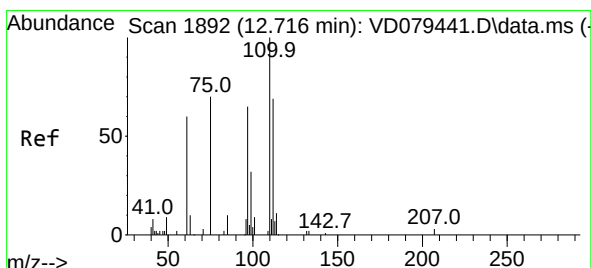
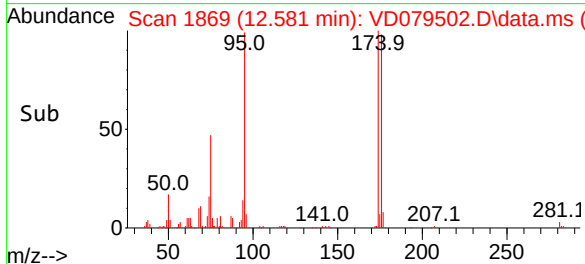
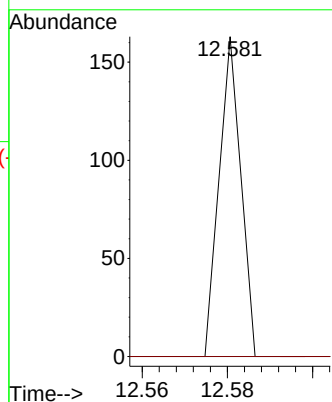
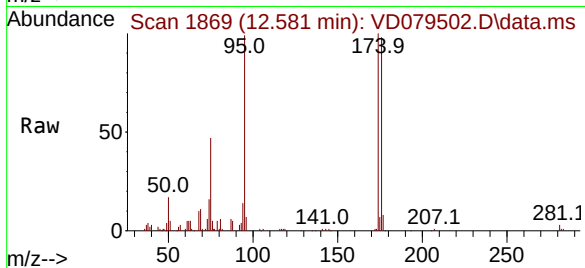
OU4-VSL-04-072324

Tgt Ion:105 Resp: 58

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 48.460 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079502.D

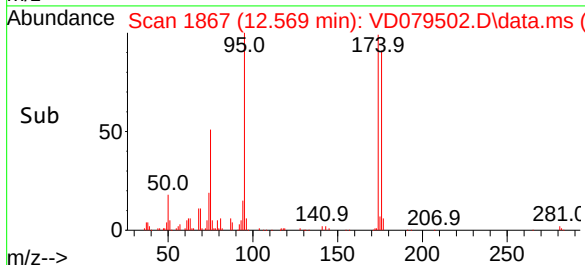
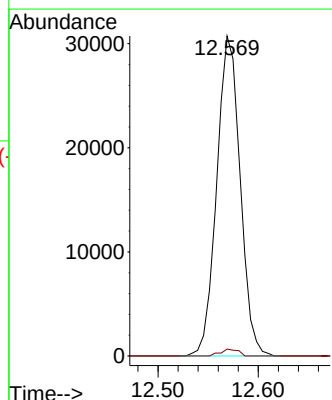
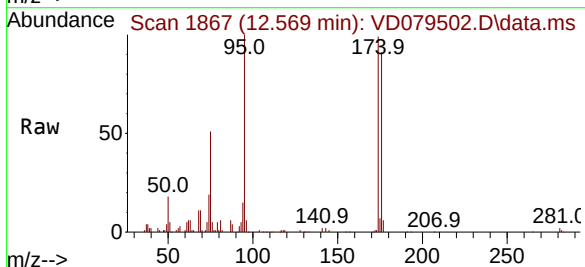
Acq: 31 Jul 2024 18:00

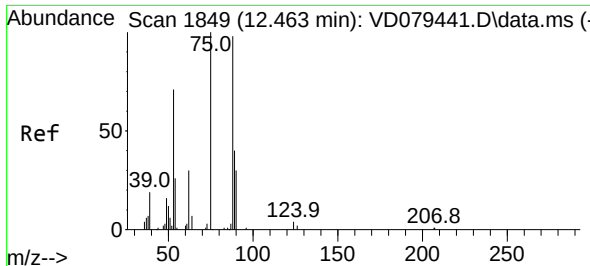
Tgt Ion: 75 Resp: 49878

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

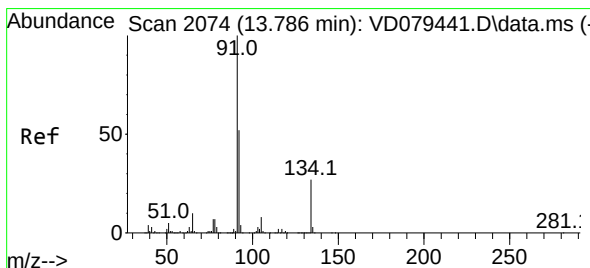
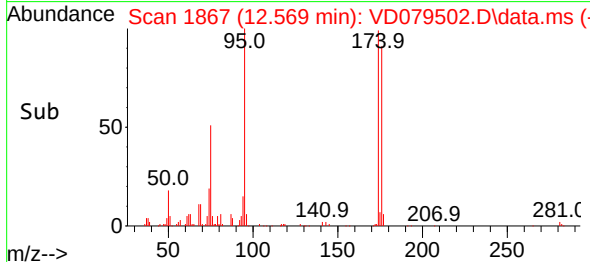
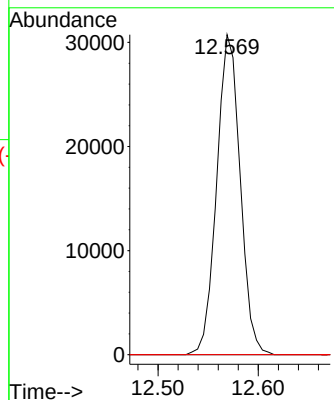
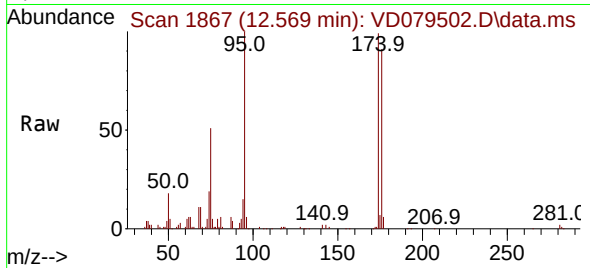




#81
trans-1,4-Dichloro-2-butene
Concen: 92.426 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079502.D
Acq: 31 Jul 2024 18:00

Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-04-072324

Tgt Ion: 75 Resp: 49878
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#



#89
n-Butylbenzene
Concen: 3.790 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. 0.005 min
Lab File: VD079502.D
Acq: 31 Jul 2024 18:00

Tgt Ion: 91 Resp: 68
Ion Ratio Lower Upper
91 100
92 82.4 25.7 77.0#
134 0.0 13.6 40.8#

