

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032824\
 Data File : VD078776.D
 Acq On : 28 Mar 2024 16:02
 Operator : RP/MD
 Sample : P1876-01
 Misc : 5.08G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-06-032624

Quant Time: Mar 29 01:35:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

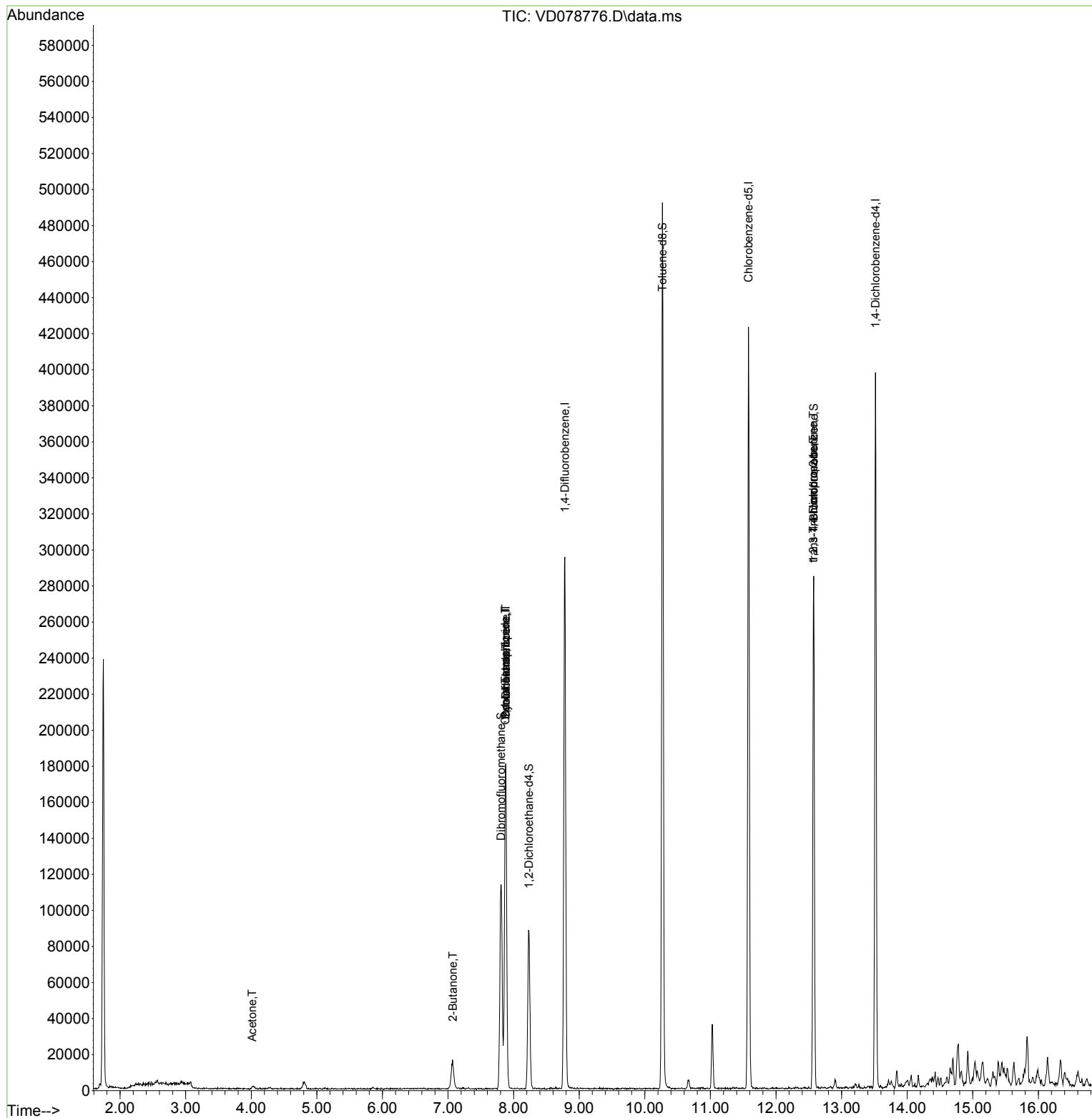
Internal Standards						
1) Pentafluorobenzene	7.881	168	145863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	277524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	254375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	109451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	68917	50.416	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.840%	
35) Dibromofluoromethane	7.811	113	86293	48.294	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.580%	
50) Toluene-d8	10.269	98	339844	51.715	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.440%	
62) 4-Bromofluorobenzene	12.575	95	85214	44.324	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.640%	
Target Compounds						Qvalue
16) Acetone	4.017	43	1219	4.612	ug/l #	69
20) Methylene Chloride	4.811	84	3260	Below Cal	#	81
25) 2-Butanone	7.075	43	741	2.108	ug/l #	43
31) Cyclohexane	7.881	56	2867	1.248	ug/l #	45
36) 1,1-Dichloropropene	7.881	75	10791	4.162	ug/l #	48
38) Carbon Tetrachloride	7.875	117	14091	5.156	ug/l #	16
76) 1,2,3-Trichloropropane	12.569	75	42930	50.910	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	42930	106.715	ug/l #	19

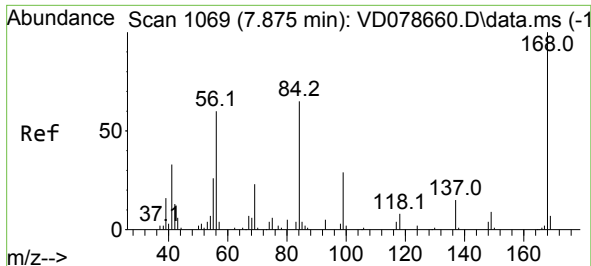
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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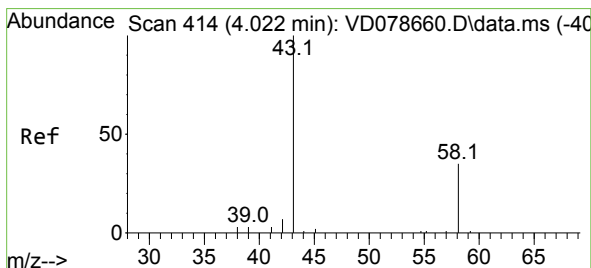
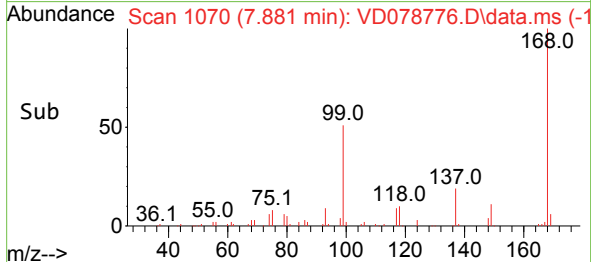
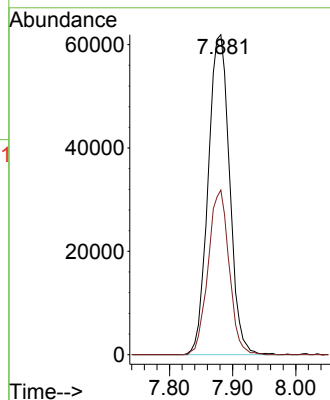
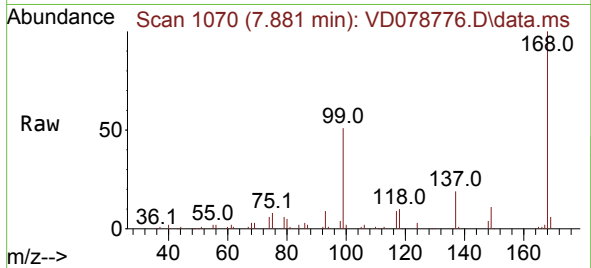




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD078776.D
Acq: 28 Mar 2024 16:02

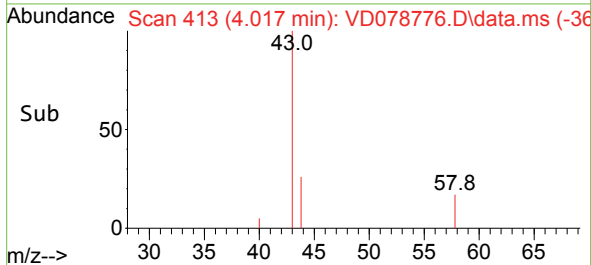
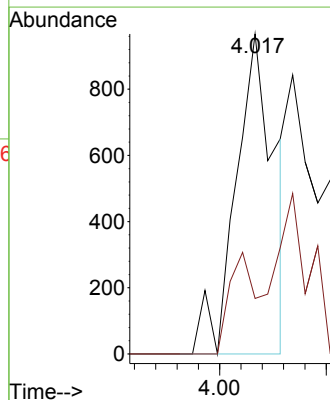
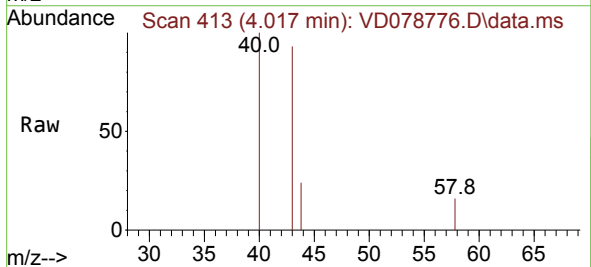
Instrument :
MSVOA_D
ClientSampleId :
TR-06-032624

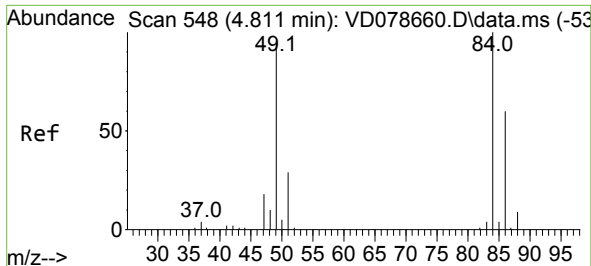
Tgt Ion:168 Resp: 145863
Ion Ratio Lower Upper
168 100
99 51.5 38.8 58.2



#16
Acetone
Concen: 4.612 ug/l
RT: 4.017 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD078776.D
Acq: 28 Mar 2024 16:02

Tgt Ion: 43 Resp: 1219
Ion Ratio Lower Upper
43 100
58 17.4 28.2 42.4#

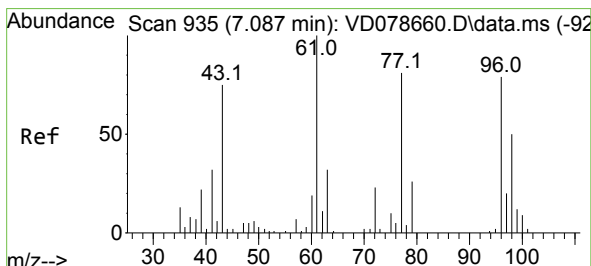
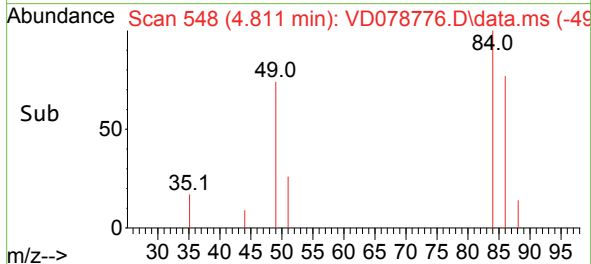
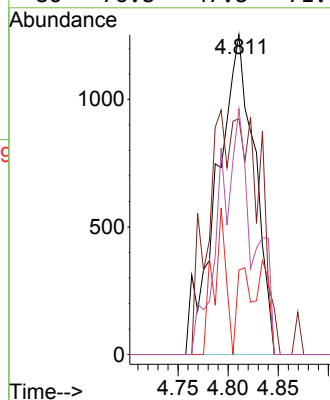
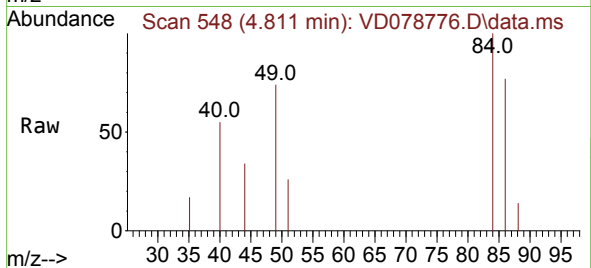




#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD078776.D
Acq: 28 Mar 2024 16:02

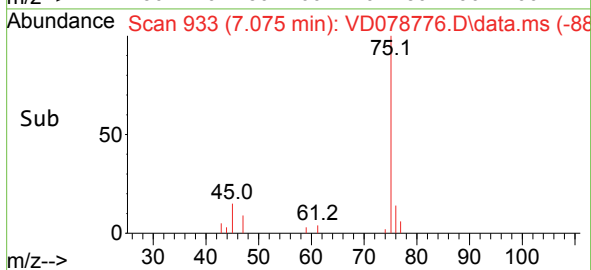
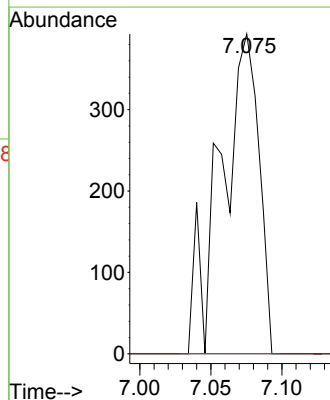
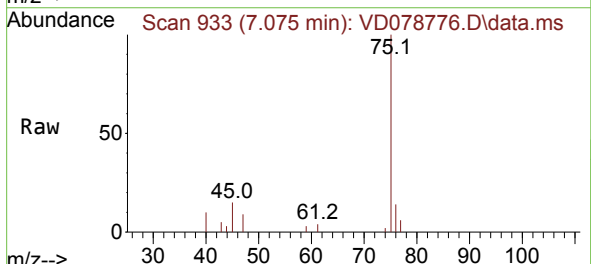
Instrument :
MSVOA_D
ClientSampleId :
TR-06-032624

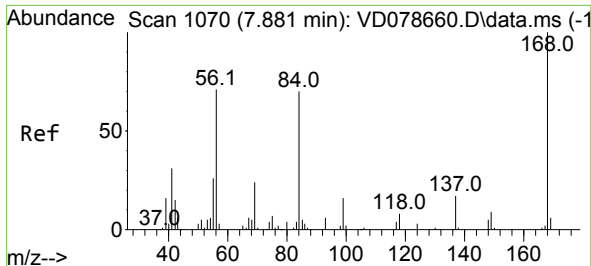
Tgt Ion: 84 Resp: 3260
Ion Ratio Lower Upper
84 100
49 73.7 75.6 113.4#
51 26.4 23.4 35.0
86 76.8 47.8 71.6#



#25
2-Butanone
Concen: 2.108 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.012 min
Lab File: VD078776.D
Acq: 28 Mar 2024 16:02

Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
72 0.0 25.0 37.6#

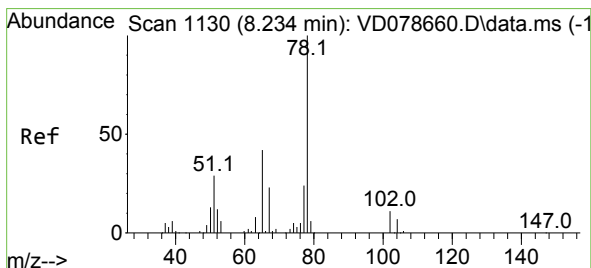
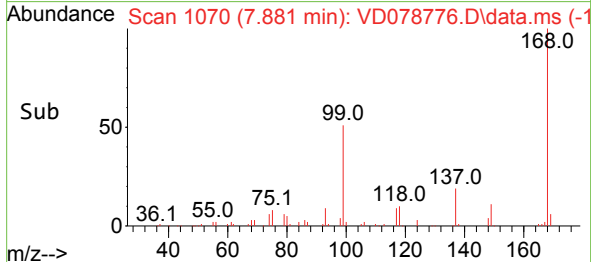
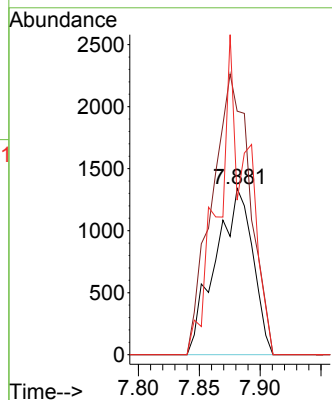
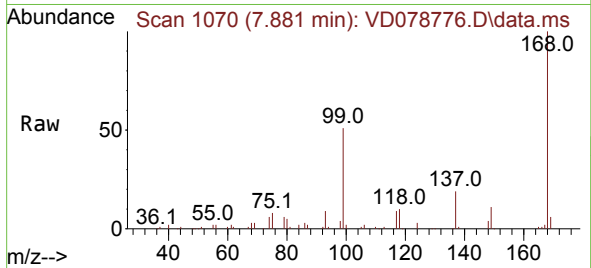




#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078776.D
Acq: 28 Mar 2024 16:02

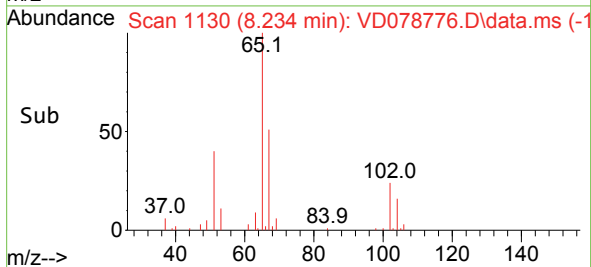
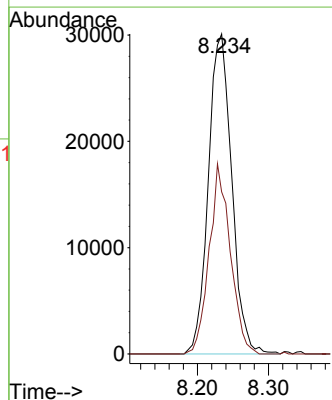
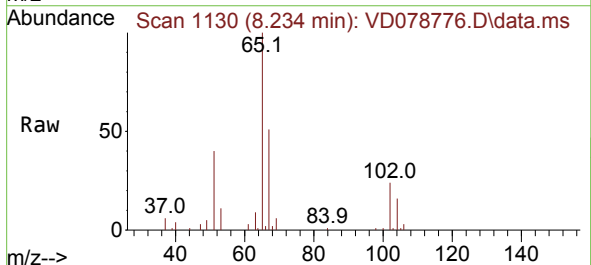
Instrument :
MSVOA_D
ClientSampleId :
TR-06-032624

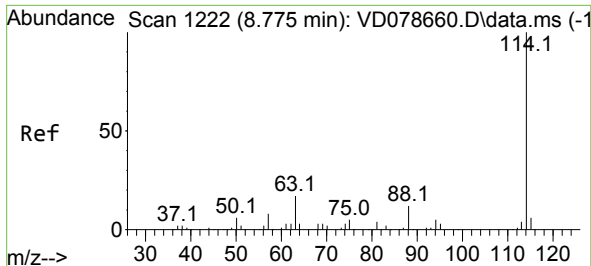
Tgt Ion: 56 Resp: 2867
Ion Ratio Lower Upper
56 100
69 146.6 26.6 40.0#
84 93.1 79.4 119.2



#33
1,2-Dichloroethane-d4
Concen: 50.416 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078776.D
Acq: 28 Mar 2024 16:02

Tgt Ion: 65 Resp: 68917
Ion Ratio Lower Upper
65 100
67 53.8 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078776.D

Acq: 28 Mar 2024 16:02

Instrument :

MSVOA_D

ClientSampleId :

TR-06-032624

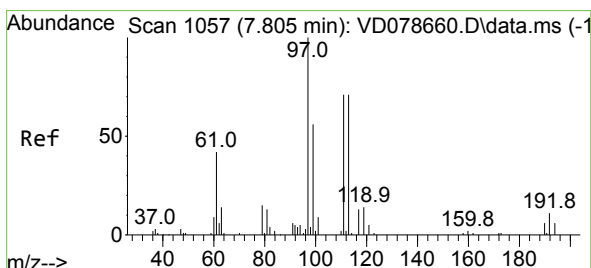
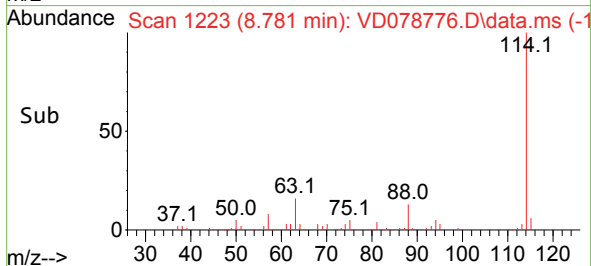
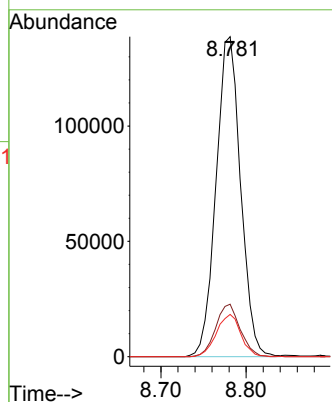
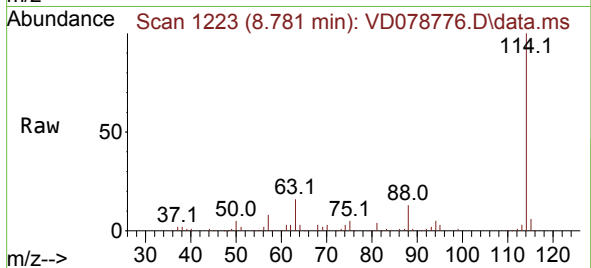
Tgt Ion:114 Resp: 277524

Ion Ratio Lower Upper

114 100

63 16.4 0.0 33.4

88 13.2 0.0 24.6



#35

Dibromofluoromethane

Concen: 48.294 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078776.D

Acq: 28 Mar 2024 16:02

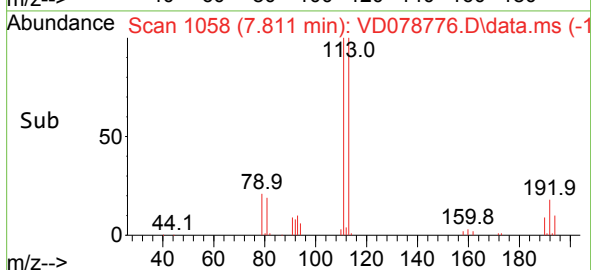
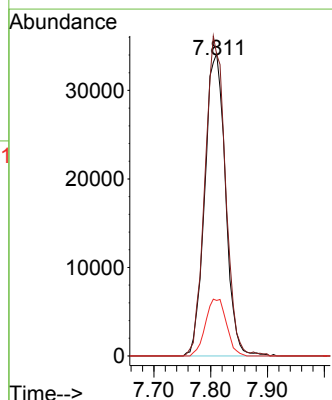
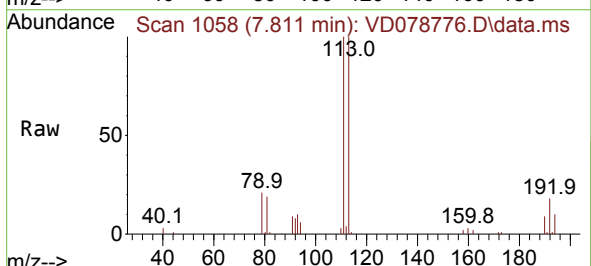
Tgt Ion:113 Resp: 86293

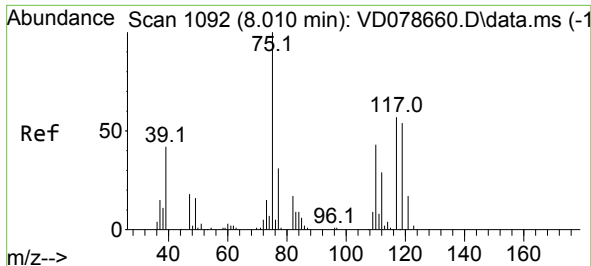
Ion Ratio Lower Upper

113 100

111 104.9 81.9 122.9

192 19.1 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.162 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD078776.D

Acq: 28 Mar 2024 16:02

Instrument :

MSVOA_D

ClientSampleId :

TR-06-032624

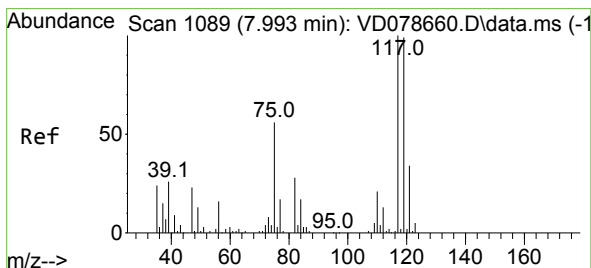
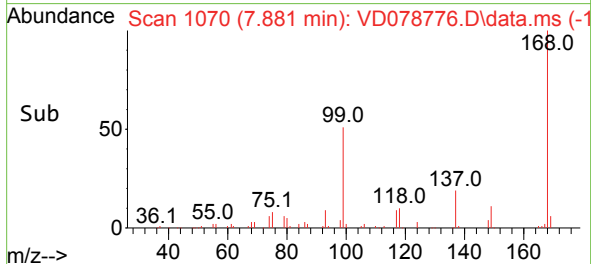
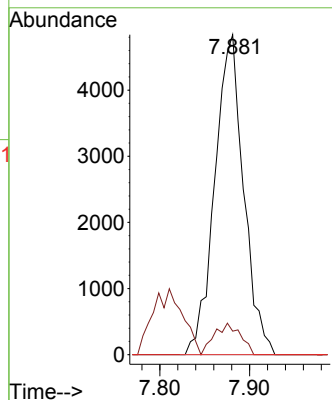
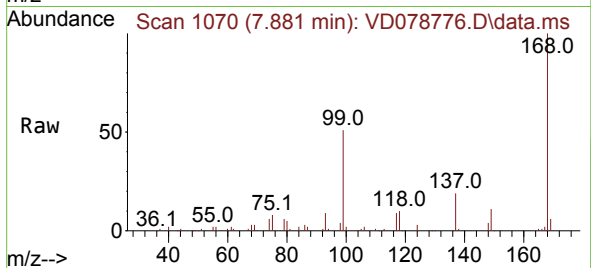
Tgt Ion: 75 Resp: 10791

Ion Ratio Lower Upper

75 100

110 8.9 19.1 57.1#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.156 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD078776.D

Acq: 28 Mar 2024 16:02

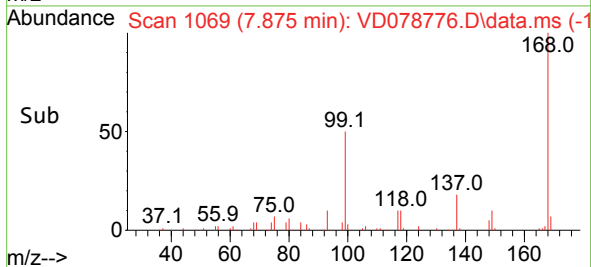
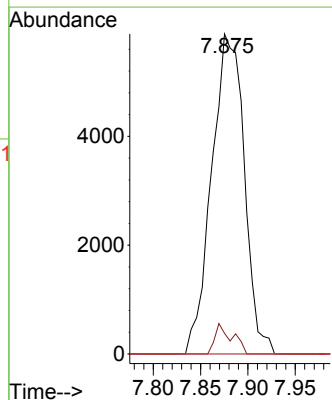
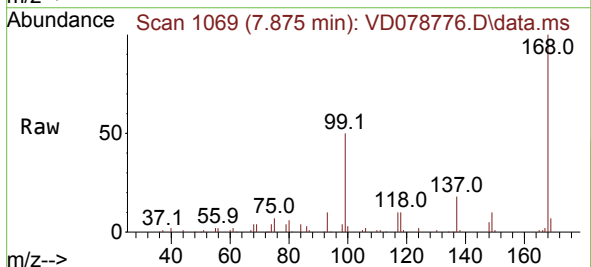
Tgt Ion: 117 Resp: 14091

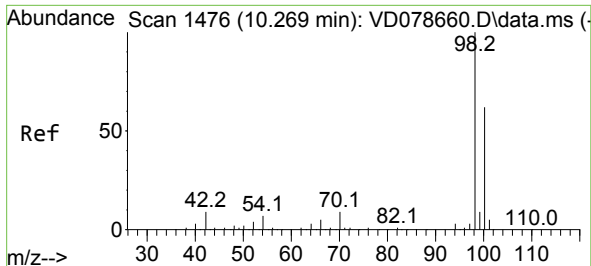
Ion Ratio Lower Upper

117 100

119 6.4 79.2 118.8#

121 0.0 26.8 40.2#

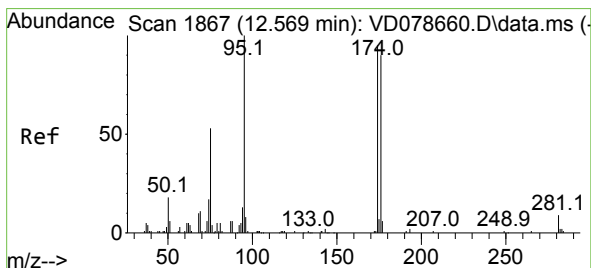
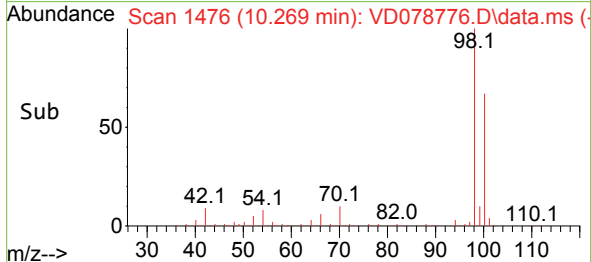
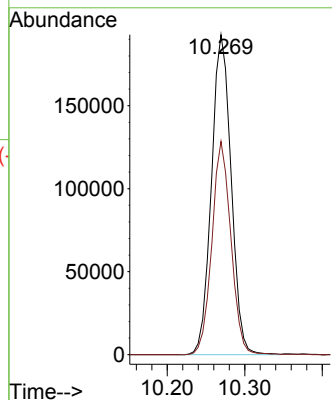
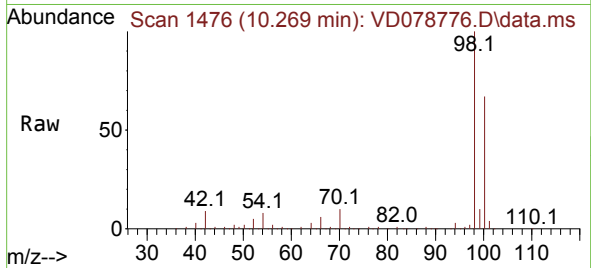




#50
Toluene-d8
Concen: 51.715 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078776.D
Acq: 28 Mar 2024 16:02

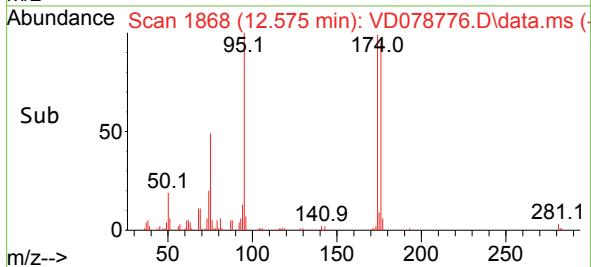
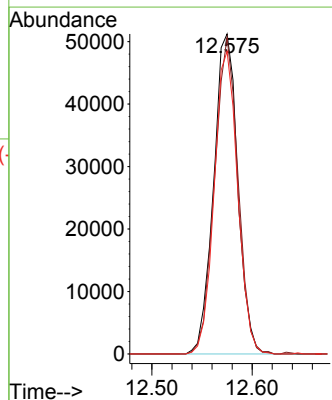
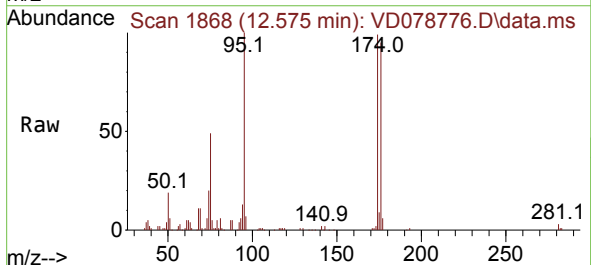
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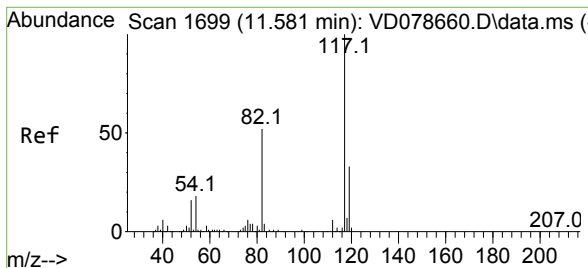
Tgt Ion: 98 Resp: 339844
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 44.324 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078776.D
Acq: 28 Mar 2024 16:02

Tgt Ion: 95 Resp: 85214
Ion Ratio Lower Upper
95 100
174 96.4 0.0 195.2
176 92.1 0.0 188.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078776.D

Acq: 28 Mar 2024 16:02

Instrument :

MSVOA_D

ClientSampleId :

TR-06-032624

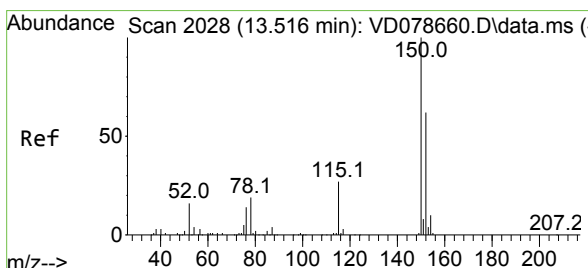
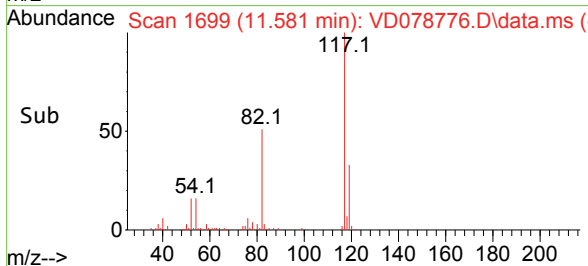
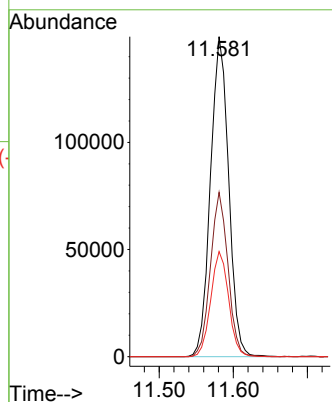
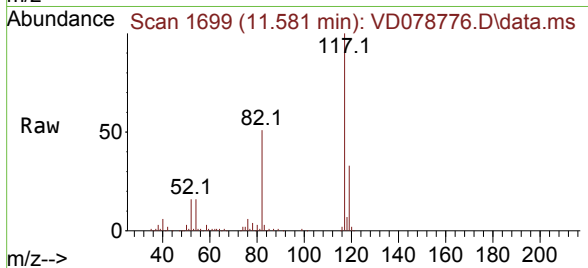
Tgt Ion:117 Resp: 254375

Ion Ratio Lower Upper

117 100

82 51.3 41.4 62.2

119 32.8 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078776.D

Acq: 28 Mar 2024 16:02

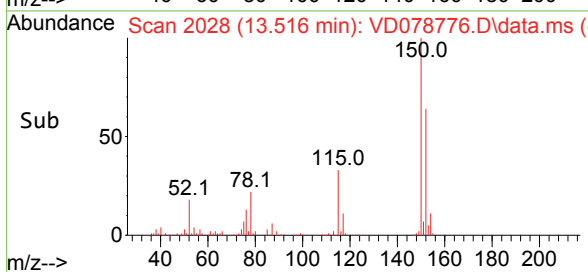
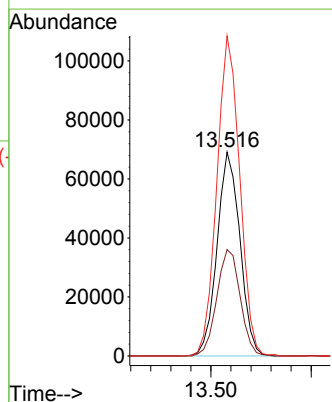
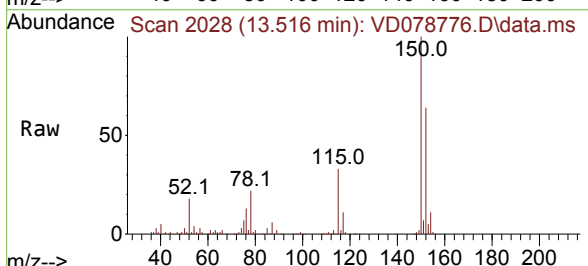
Tgt Ion:152 Resp: 109451

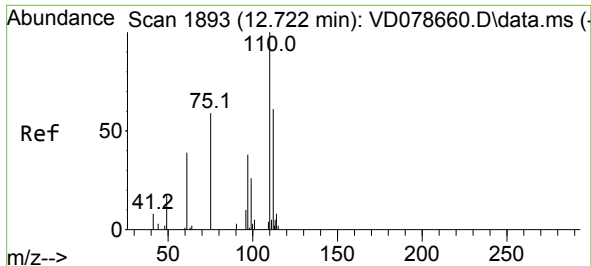
Ion Ratio Lower Upper

152 100

115 53.3 27.1 81.2

150 156.8 0.0 350.2

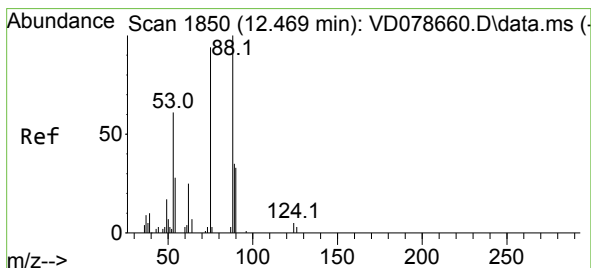
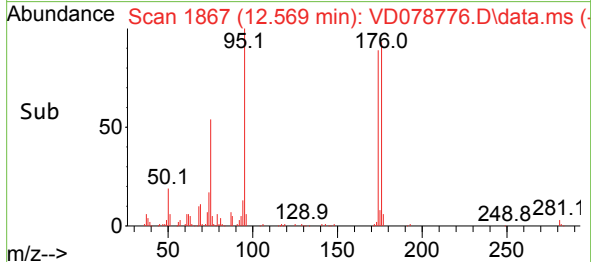
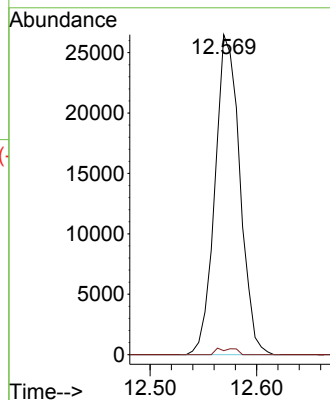
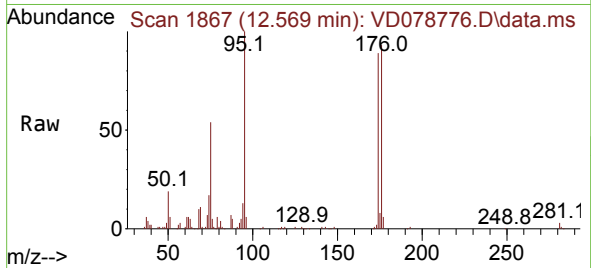




#76
1,2,3-Trichloropropane
Concen: 50.910 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD078776.D
Acq: 28 Mar 2024 16:02

Instrument :
MSVOA_D
ClientSampleId :
TR-06-032624

Tgt Ion: 75 Resp: 42930
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.715 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078776.D
Acq: 28 Mar 2024 16:02

Tgt Ion: 75 Resp: 42930
Ion Ratio Lower Upper
75 100
53 0.0 61.0 91.6#
89 0.0 35.4 53.0#

