

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032824\
 Data File : VD078775.D
 Acq On : 28 Mar 2024 15:35
 Operator : RP/MD
 Sample : P1877-03
 Misc : 5.02G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TRE-1291

Quant Time: Mar 29 01:35:24 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)

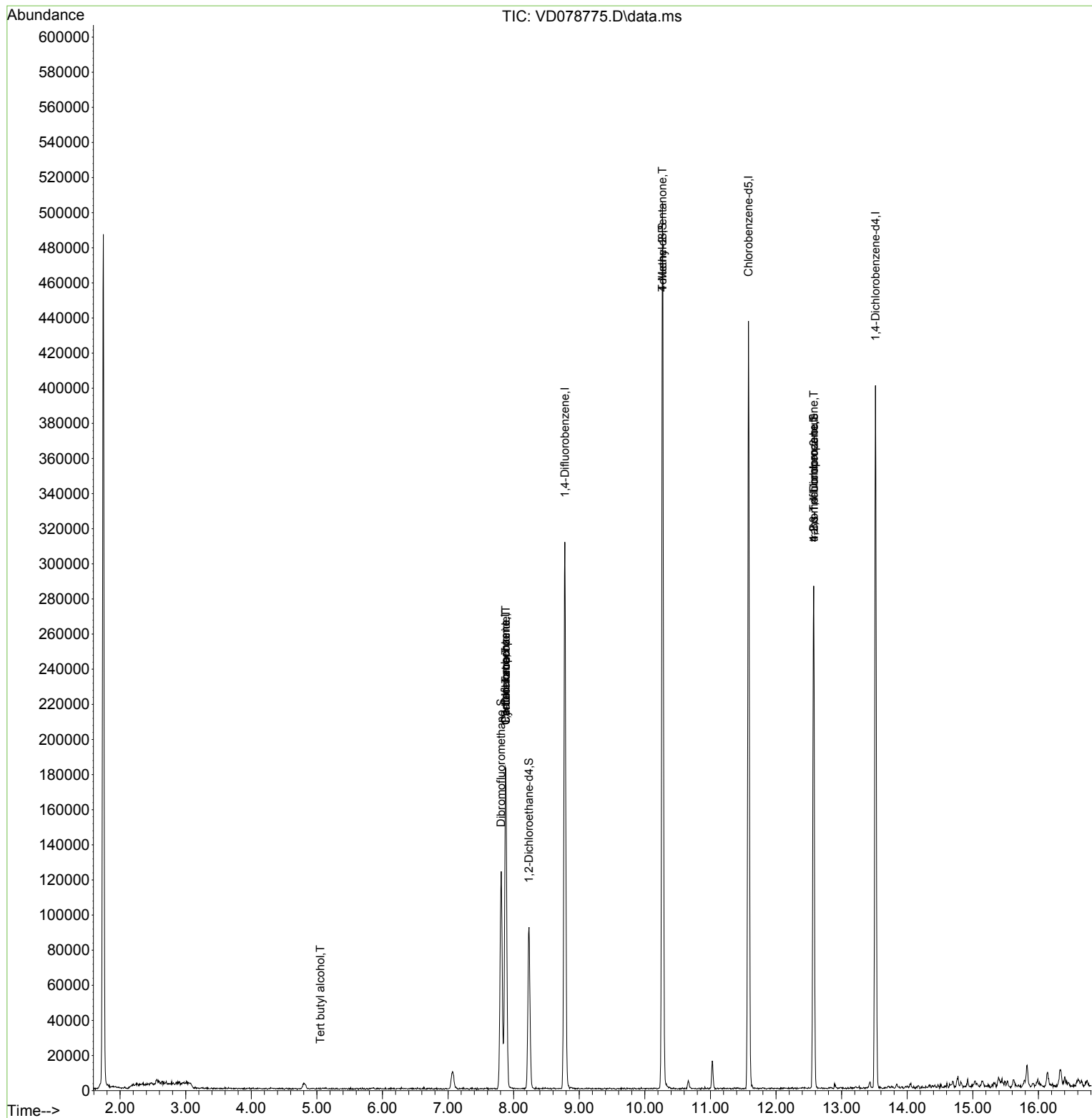
Internal Standards						
1) Pentafluorobenzene	7.875	168	146988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	280366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	257323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	109928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	69604	50.529	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.060%	
35) Dibromofluoromethane	7.810	113	88275	48.902	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.800%	
50) Toluene-d8	10.269	98	347696	52.374	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.740%	
62) 4-Bromofluorobenzene	12.575	95	85376	43.959	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.920%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.052	59	73	1.184	ug/l #	75
20) Methylene Chloride	4.793	84	1156	Below Cal		88
31) Cyclohexane	7.881	56	3302	1.426	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	11567	4.416	ug/l #	43
38) Carbon Tetrachloride	7.881	117	14492	5.248	ug/l #	13
51) 4-Methyl-2-Pentanone	10.269	43	1267	1.557	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	42608	50.309	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	42608	105.455	ug/l #	19

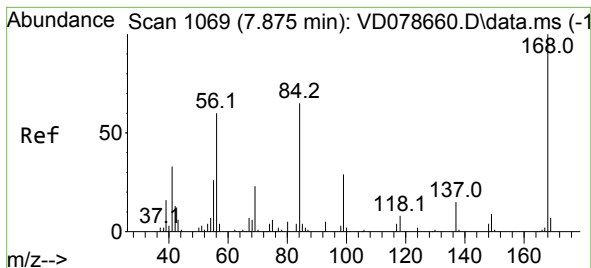
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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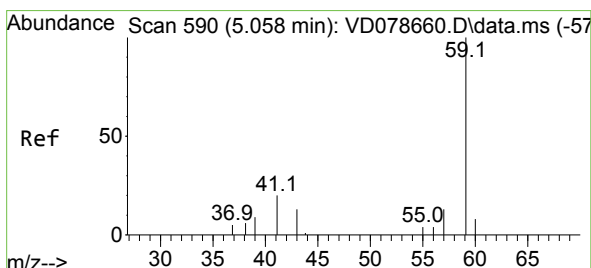
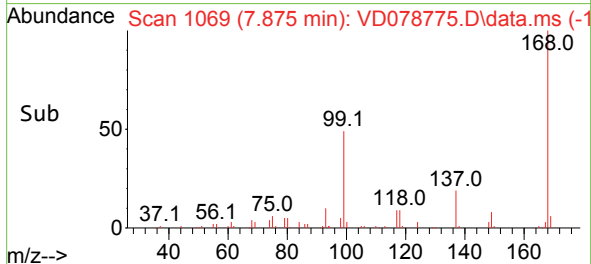
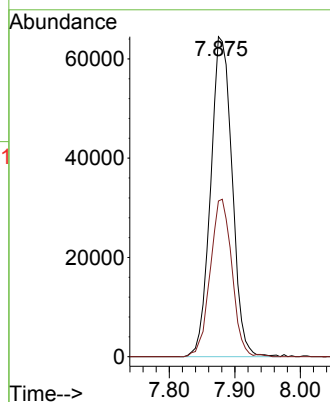
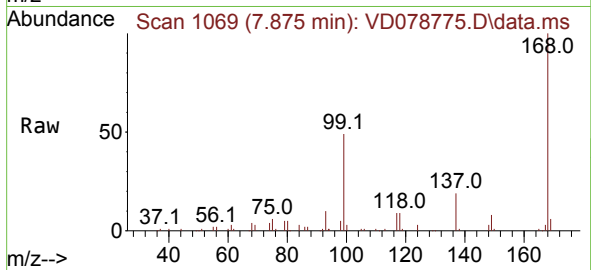




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD078775.D
Acq: 28 Mar 2024 15:35

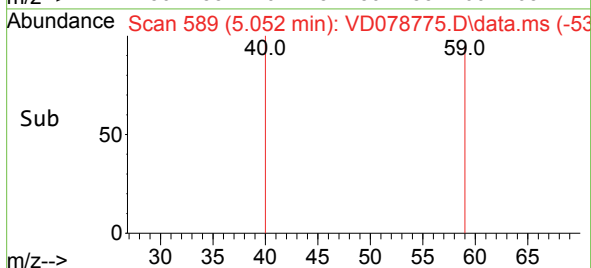
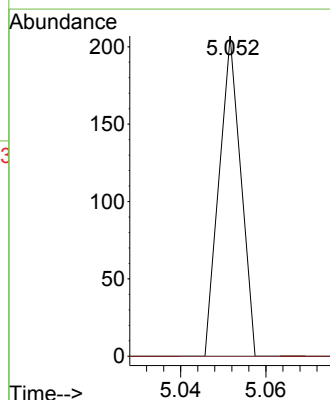
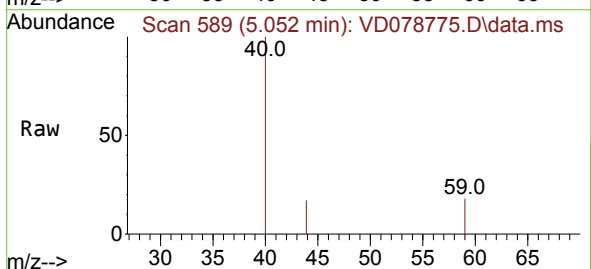
Instrument :
MSVOA_D
ClientSampleId :
TRE-1291

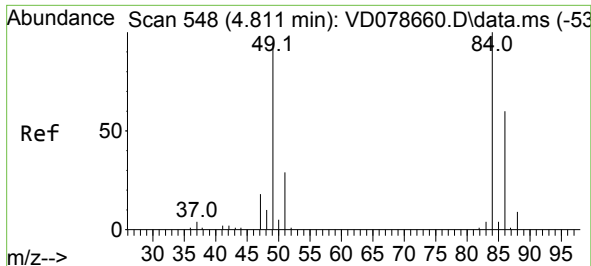
Tgt Ion:168 Resp: 146988
Ion Ratio Lower Upper
168 100
99 48.7 38.8 58.2



#11
Tert butyl alcohol
Concen: 1.184 ug/l
RT: 5.052 min Scan# 589
Delta R.T. -0.006 min
Lab File: VD078775.D
Acq: 28 Mar 2024 15:35

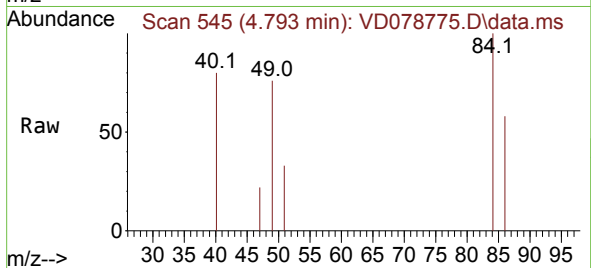
Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



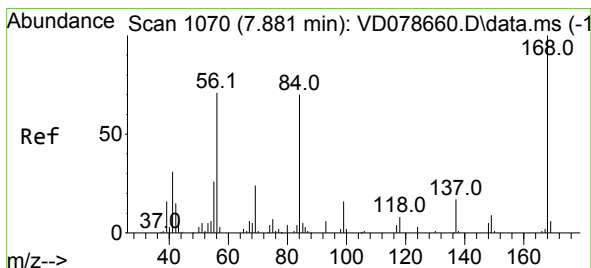
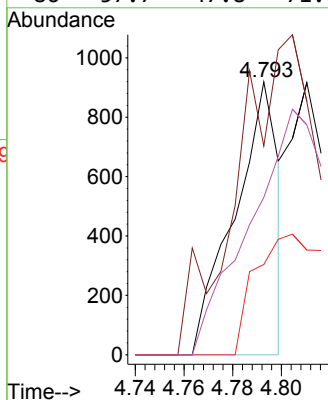
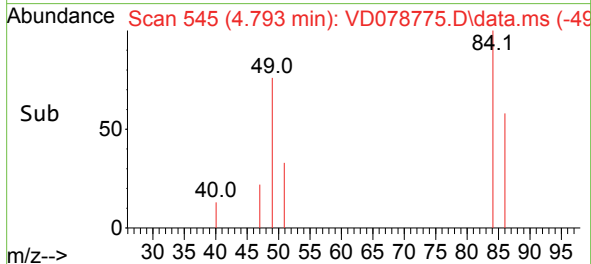


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.018 min
Lab File: VD078775.D
Acq: 28 Mar 2024 15:35

Instrument :
MSVOA_D
ClientSampleId :
TRE-1291

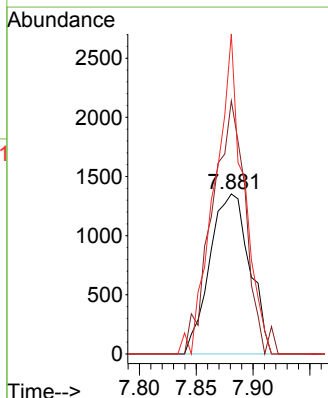
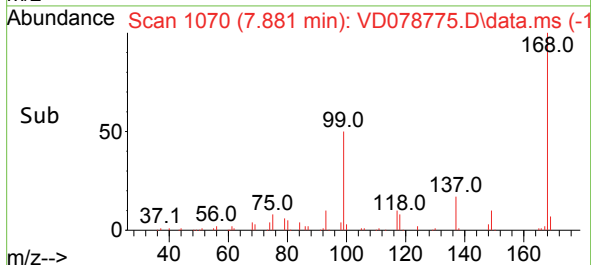
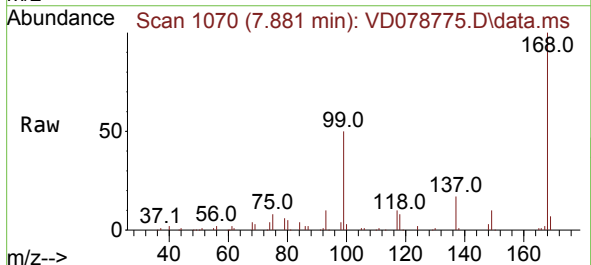


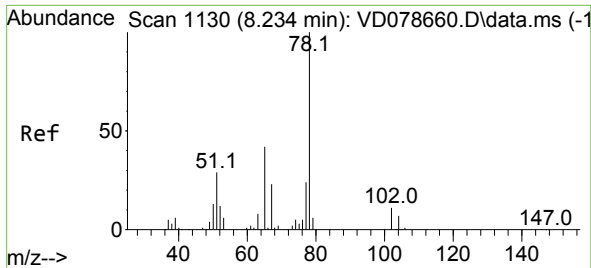
Tgt Ion: 84	Resp: 1156
Ion Ratio	Lower Upper
84 100	
49 76.5	75.6 113.4
51 33.1	23.4 35.0
86 57.7	47.8 71.6



#31
Cyclohexane
Concen: 1.426 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078775.D
Acq: 28 Mar 2024 15:35

Tgt Ion: 56	Resp: 3302
Ion Ratio	Lower Upper
56 100	
69 158.2	26.6 40.0#
84 199.9	79.4 119.2#

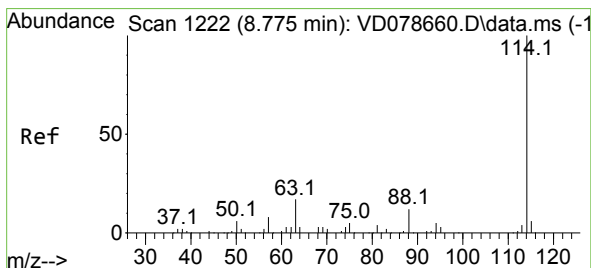
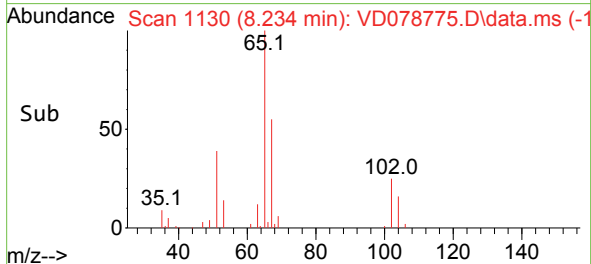
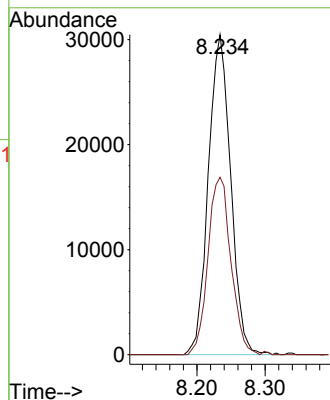
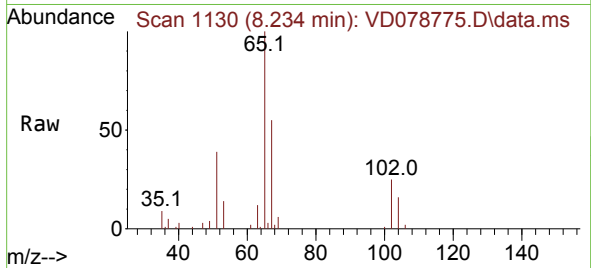




#33
 1,2-Dichloroethane-d4
 Concen: 50.529 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VD078775.D
 Acq: 28 Mar 2024 15:35

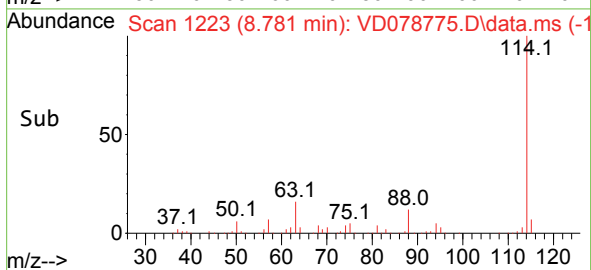
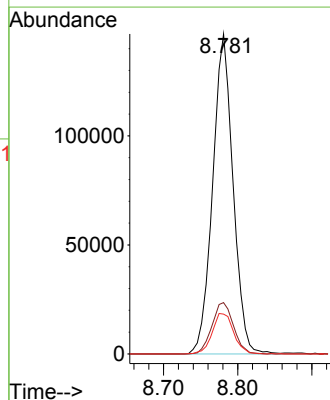
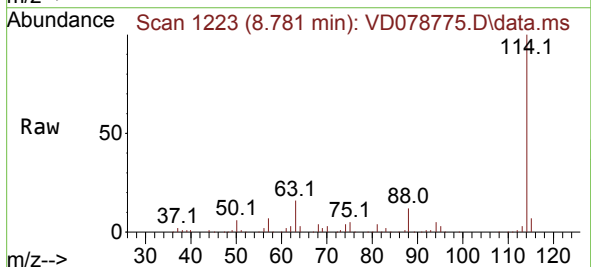
Instrument :
 MSVOA_D
 ClientSampleId :
 TRE-1291

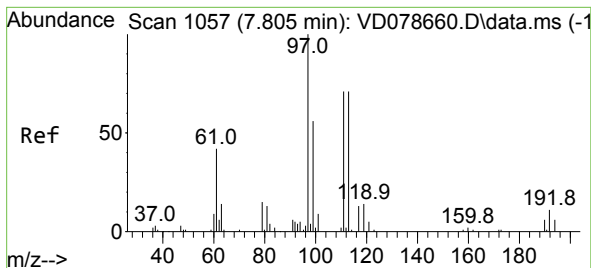
Tgt Ion: 65 Resp: 69604
 Ion Ratio Lower Upper
 65 100
 67 56.9 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.006 min
 Lab File: VD078775.D
 Acq: 28 Mar 2024 15:35

Tgt Ion: 114 Resp: 280366
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 33.4
 88 12.4 0.0 24.6





#35

Dibromofluoromethane

Concen: 48.902 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078775.D

Acq: 28 Mar 2024 15:35

Instrument :

MSVOA_D

ClientSampleId :

TRE-1291

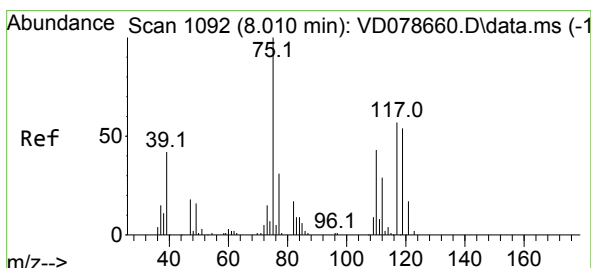
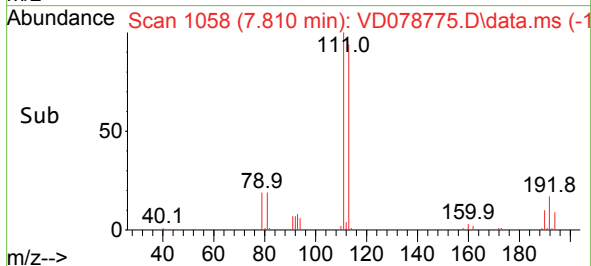
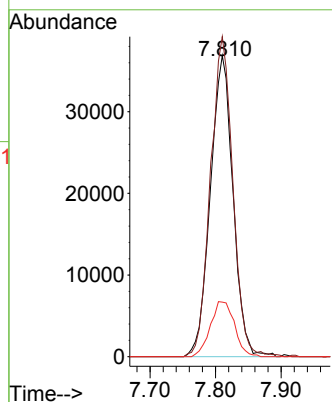
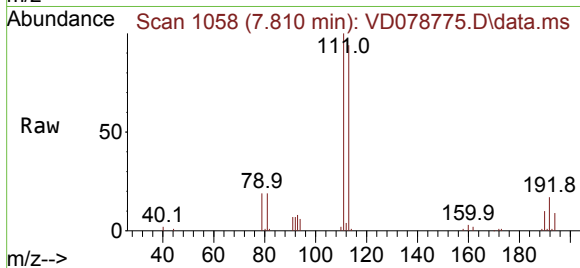
Tgt Ion:113 Resp: 88275

Ion Ratio Lower Upper

113 100

111 104.8 81.9 122.9

192 19.5 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.416 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD078775.D

Acq: 28 Mar 2024 15:35

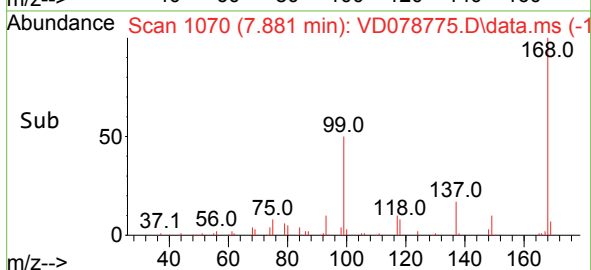
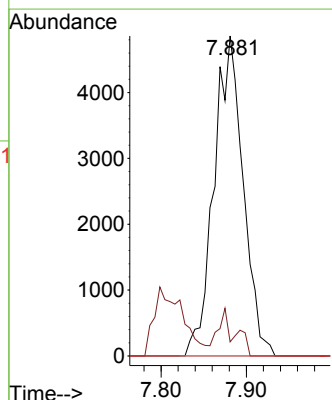
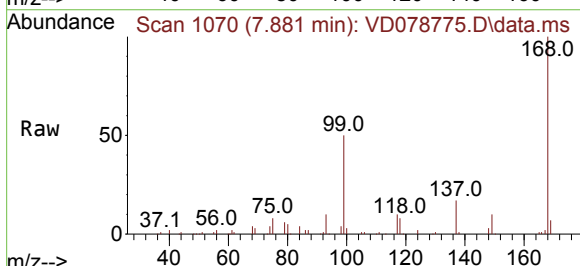
Tgt Ion: 75 Resp: 11567

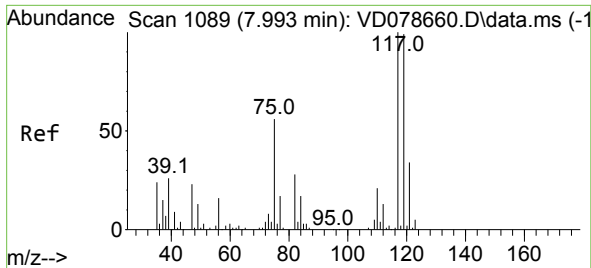
Ion Ratio Lower Upper

75 100

110 3.8 19.1 57.1#

77 0.0 25.4 38.2#

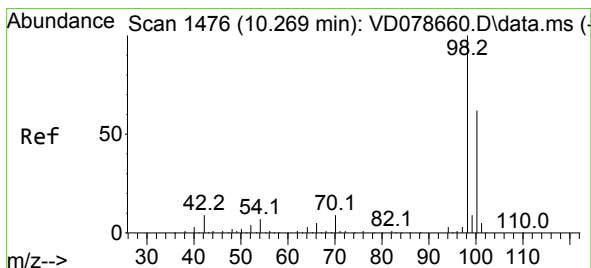
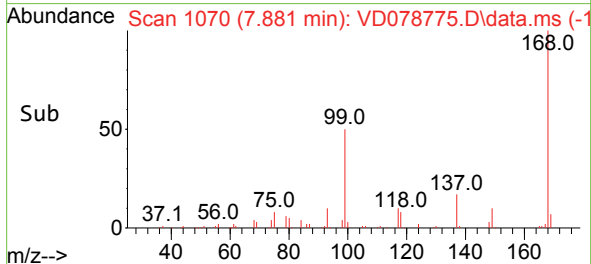
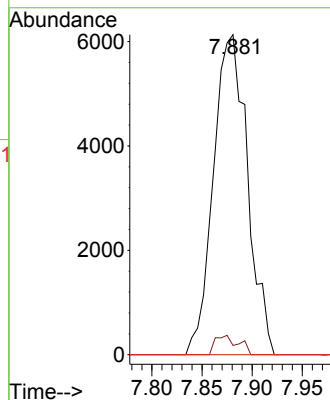
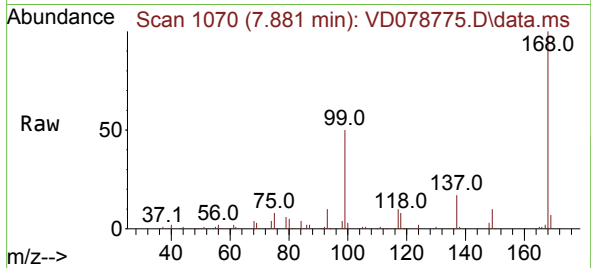




#38
Carbon Tetrachloride
Concen: 5.248 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD078775.D
Acq: 28 Mar 2024 15:35

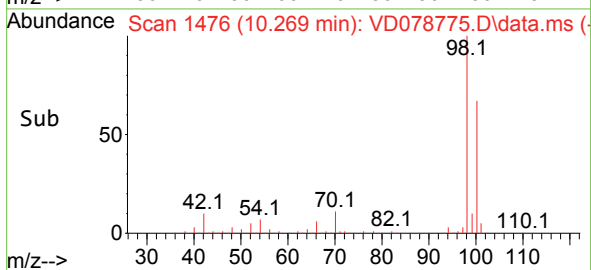
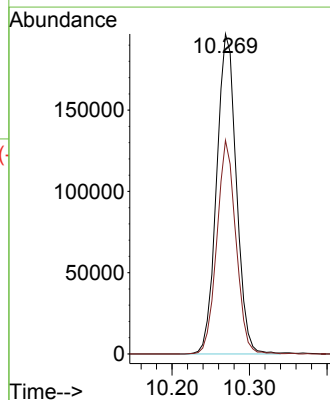
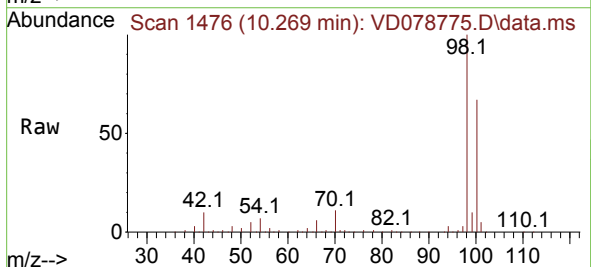
Instrument :
MSVOA_D
ClientSampleId :
TRE-1291

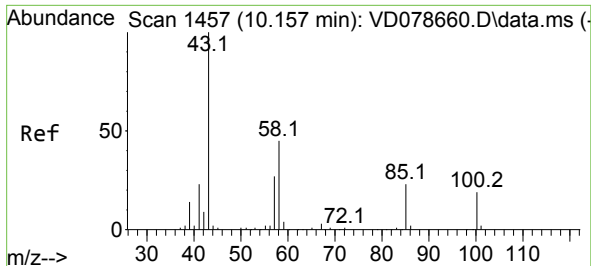
Tgt Ion:117 Resp: 14492
Ion Ratio Lower Upper
117 100
119 2.9 79.2 118.8#
121 0.0 26.8 40.2#



#50
Toluene-d8
Concen: 52.374 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078775.D
Acq: 28 Mar 2024 15:35

Tgt Ion: 98 Resp: 347696
Ion Ratio Lower Upper
98 100
100 64.4 50.5 75.7





#51

4-Methyl-2-Pentanone

Concen: 1.557 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD078775.D

Acq: 28 Mar 2024 15:35

Instrument :

MSVOA_D

ClientSampleId :

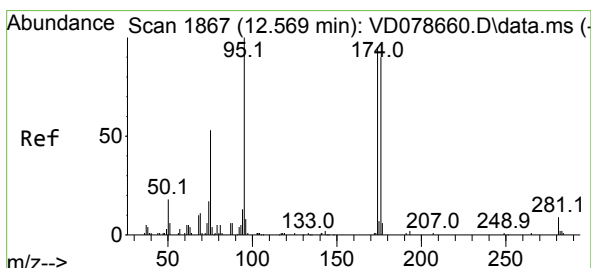
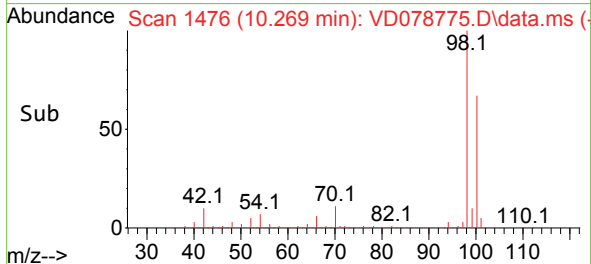
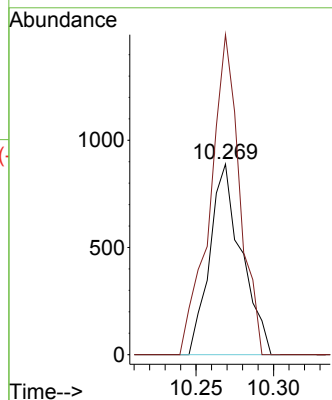
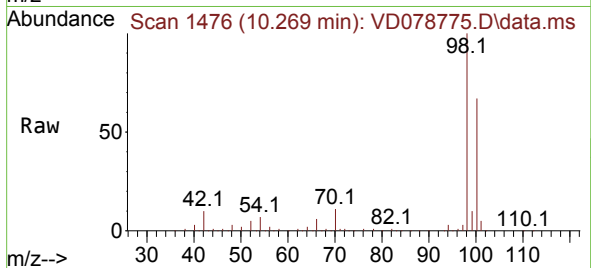
TRE-1291

Tgt Ion: 43 Resp: 1267

Ion Ratio Lower Upper

43 100

58 156.9 36.4 54.6#



#62

4-Bromofluorobenzene

Concen: 43.959 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD078775.D

Acq: 28 Mar 2024 15:35

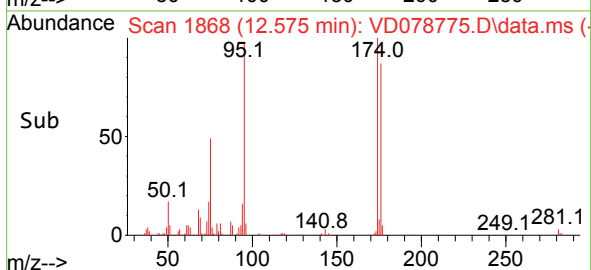
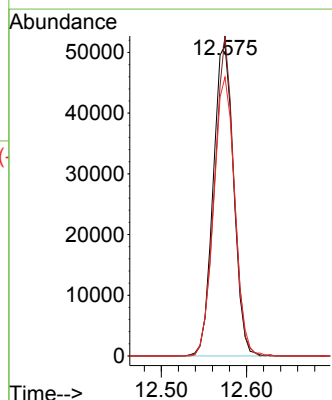
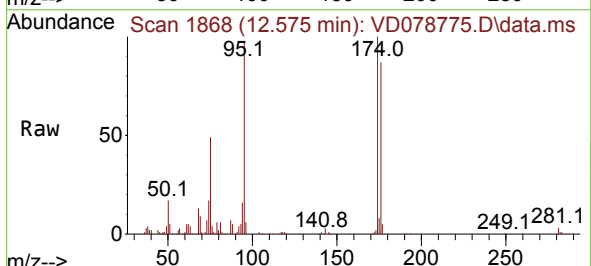
Tgt Ion: 95 Resp: 85376

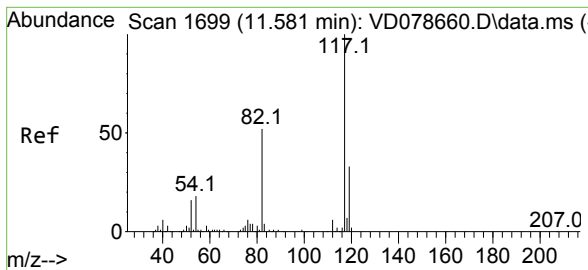
Ion Ratio Lower Upper

95 100

174 97.0 0.0 195.2

176 92.5 0.0 188.2

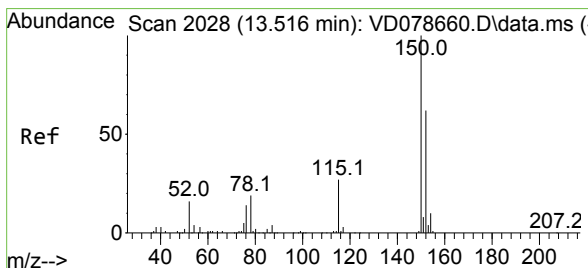
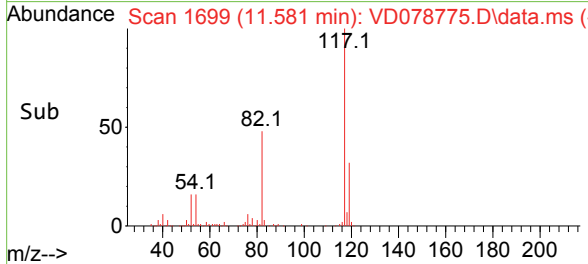
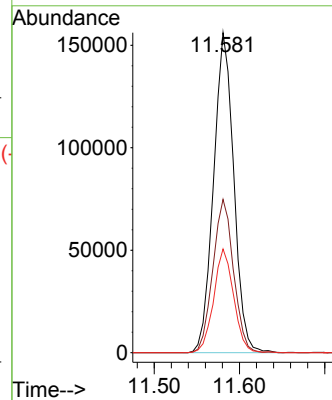
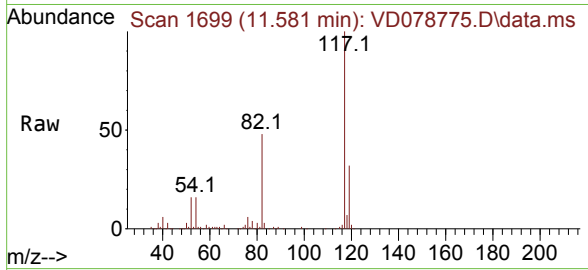




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD078775.D
Acq: 28 Mar 2024 15:35

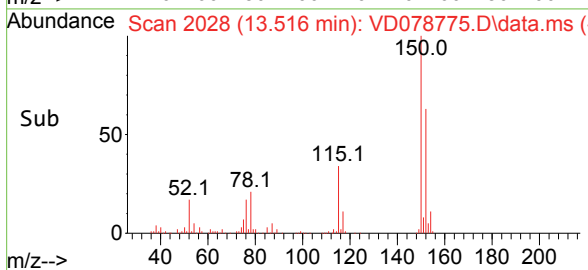
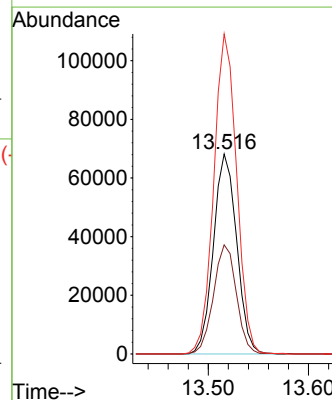
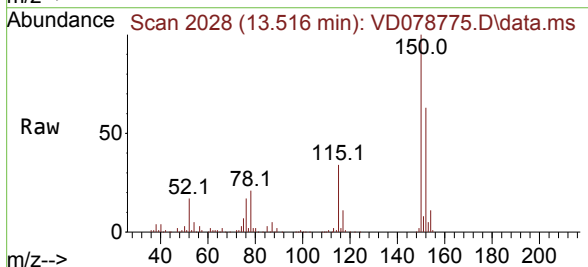
Instrument :
MSVOA_D
ClientSampleId :
TRE-1291

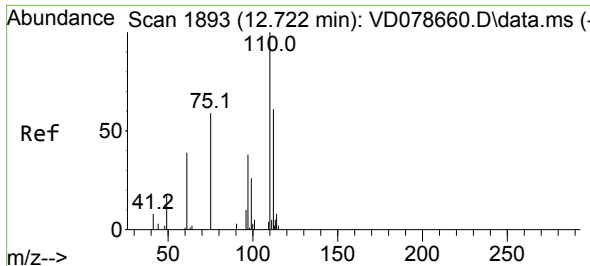
Tgt Ion:117 Resp: 257323
Ion Ratio Lower Upper
117 100
82 47.9 41.4 62.2
119 32.4 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD078775.D
Acq: 28 Mar 2024 15:35

Tgt Ion:152 Resp: 109928
Ion Ratio Lower Upper
152 100
115 53.8 27.1 81.2
150 157.5 0.0 350.2

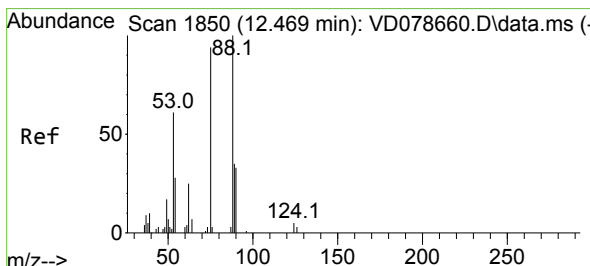
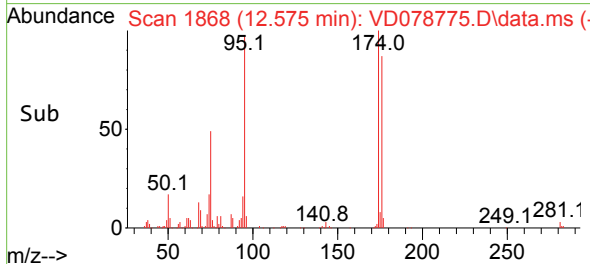
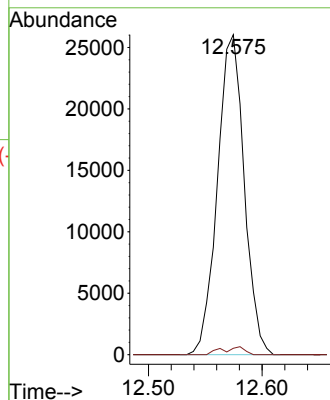
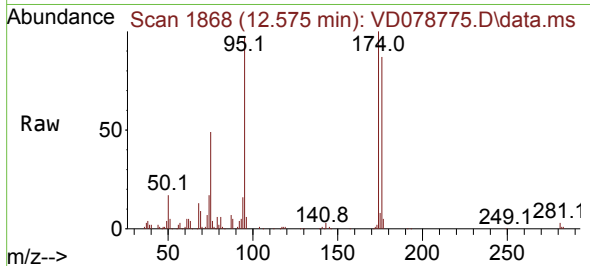




#76
1,2,3-Trichloropropane
Concen: 50.309 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078775.D
Acq: 28 Mar 2024 15:35

Instrument :
MSVOA_D
ClientSampleId :
TRE-1291

Tgt Ion: 75 Resp: 42608
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.455 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078775.D
Acq: 28 Mar 2024 15:35

Tgt Ion: 75 Resp: 42608
Ion Ratio Lower Upper
75 100
53 0.0 61.0 91.6#
89 0.0 35.4 53.0#

