

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014234.D
 Acq On : 19 Jun 2023 17:44
 Operator : KP/MD
 Sample : 03279-01
 Misc : 5.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-OU3-DENALI-1

Quant Time: Jun 20 04:59:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

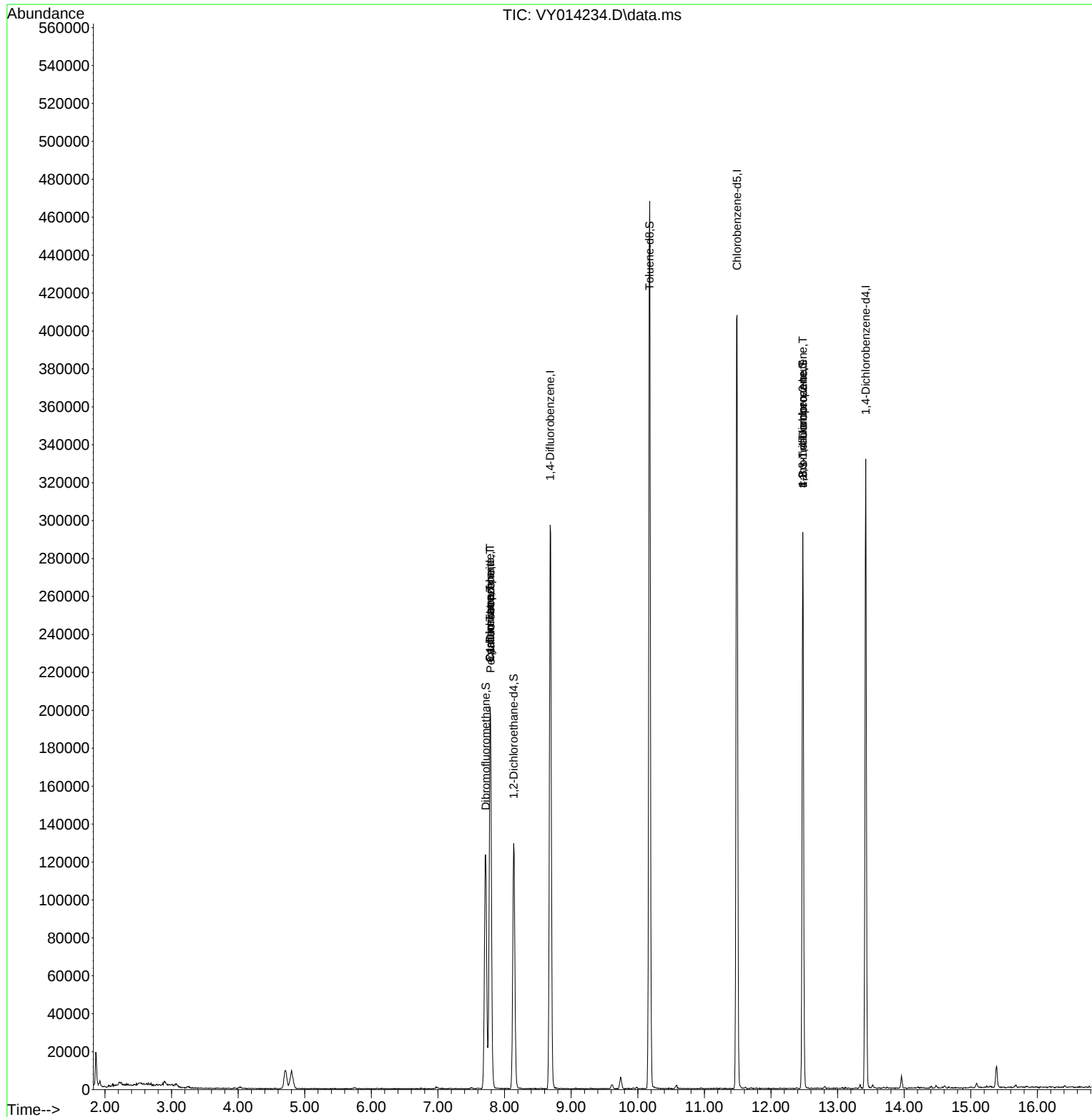
Internal Standards						
1) Pentafluorobenzene	7.789	168	158593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	250132	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	228251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	84302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	107511	48.682	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.360%		
35) Dibromofluoromethane	7.716	113	85016	47.927	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.860%		
50) Toluene-d8	10.179	98	306303	46.187	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.380%		
62) 4-Bromofluorobenzene	12.477	95	81609	34.641	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	69.280%		
Target Compounds						
11) Tert butyl alcohol	4.954	59	26	Below Cal	#	89
20) Methylene Chloride	4.710	84	7478	Below Cal		97
31) Cyclohexane	7.783	56	3707	1.253	ug/l #	36
36) 1,1-Dichloropropene	7.783	75	11753	4.250	ug/l #	51
38) Carbon Tetrachloride	7.783	117	14732	4.616	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	43589	39.411	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	43589	85.190	ug/l #	11

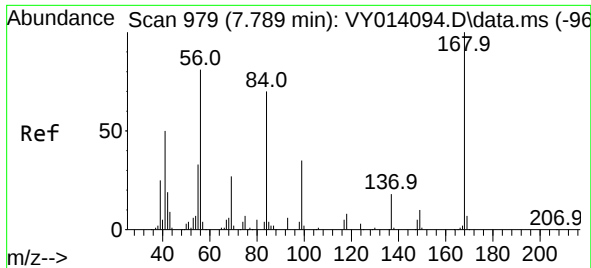
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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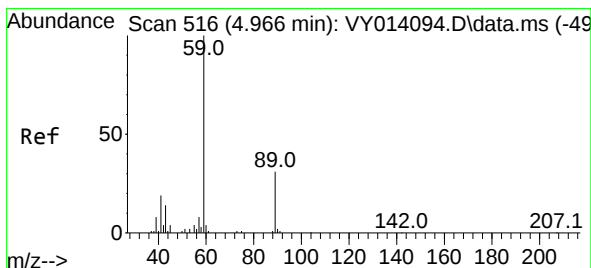
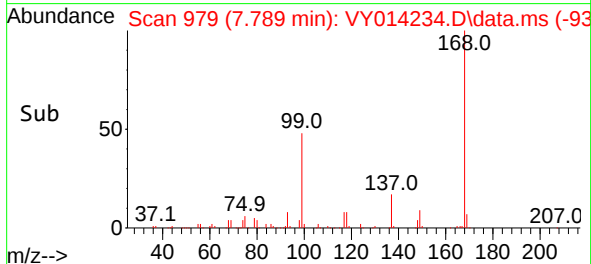
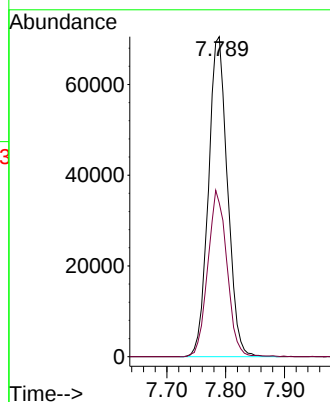
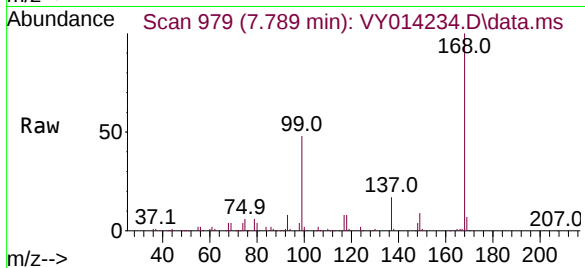




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014234.D
Acq: 19 Jun 2023 17:44

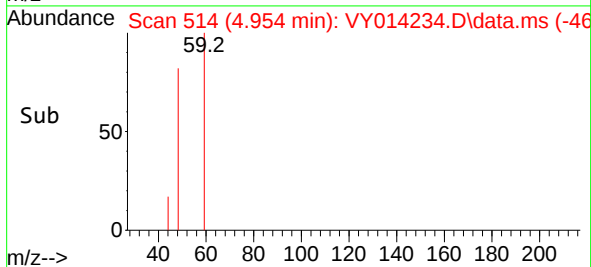
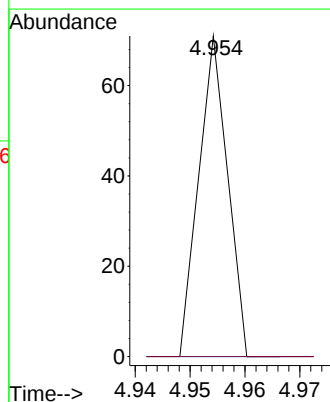
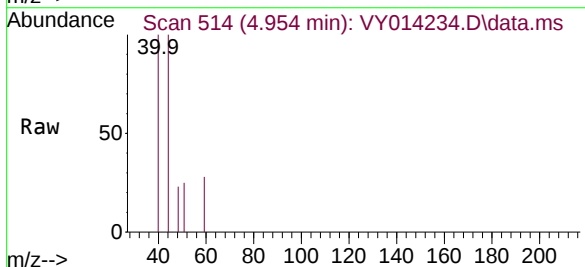
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-1

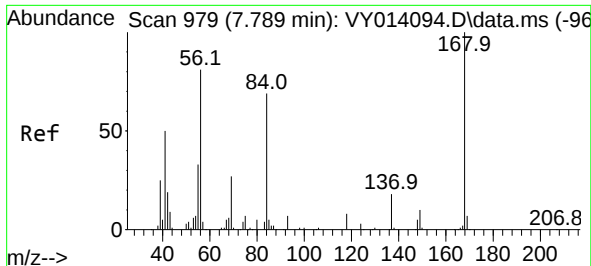
Tgt Ion:168 Resp: 158593
Ion Ratio Lower Upper
168 100
99 48.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014234.D
Acq: 19 Jun 2023 17:44

Tgt Ion: 59 Resp: 26
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

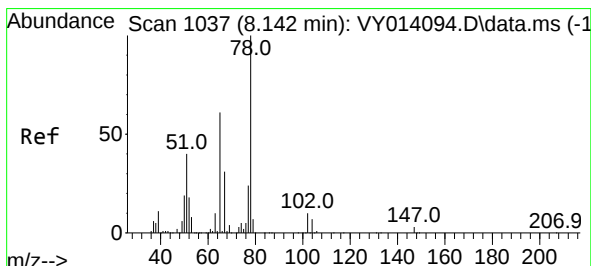
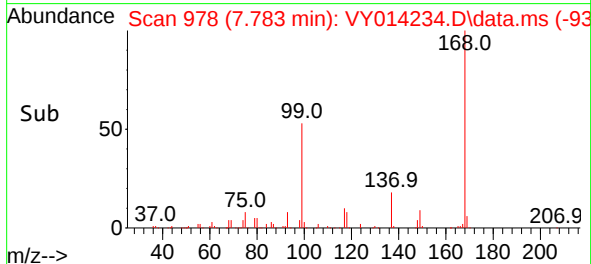
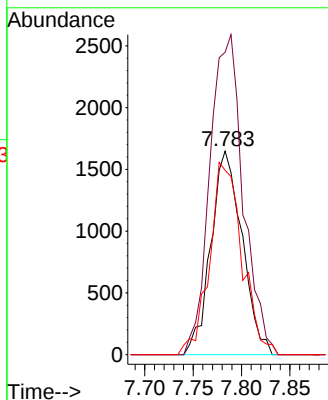
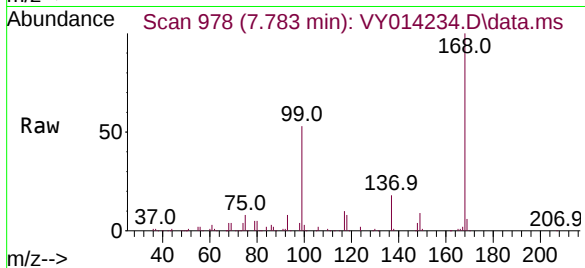




#31
Cyclohexane
Concen: 1.253 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014234.D
Acq: 19 Jun 2023 17:44

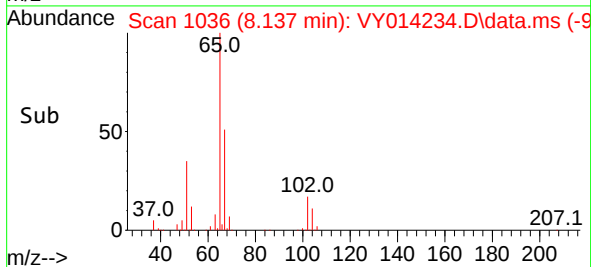
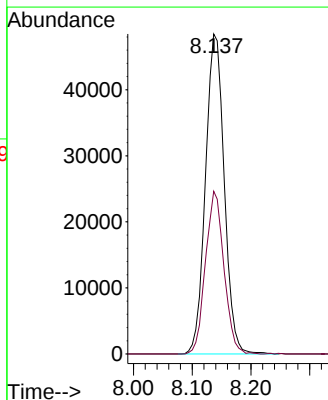
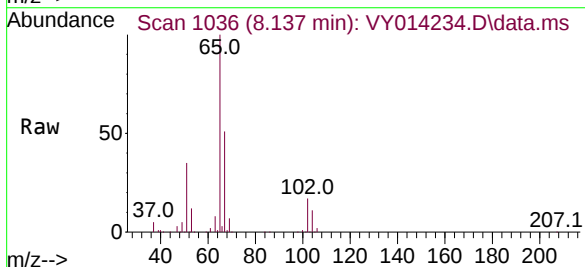
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-1

Tgt Ion: 56 Resp: 3707
Ion Ratio Lower Upper
56 100
69 148.6 27.8 41.6#
84 90.6 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 48.682 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014234.D
Acq: 19 Jun 2023 17:44

Tgt Ion: 65 Resp: 107511
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014234.D

Acq: 19 Jun 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-OU3-DENALI-1

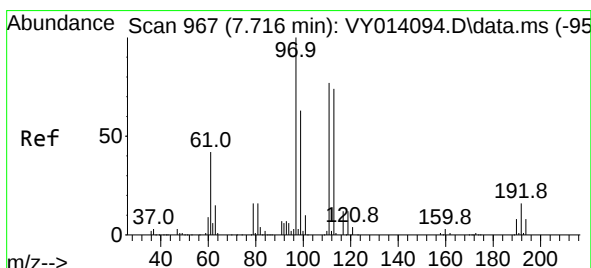
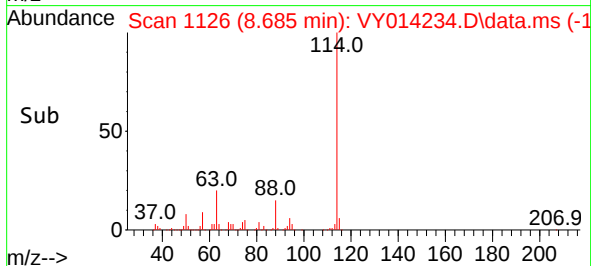
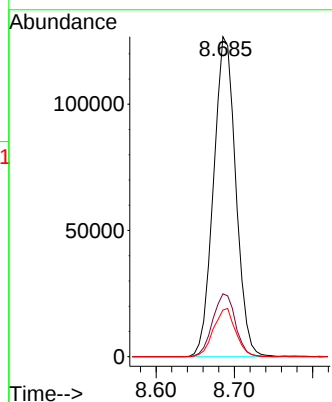
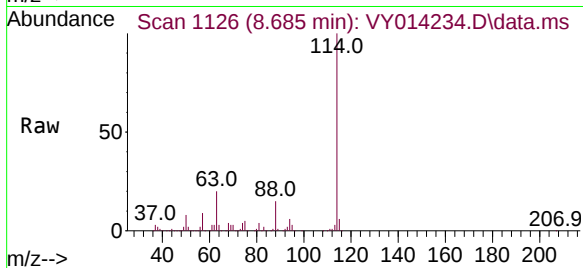
Tgt Ion:114 Resp: 250132

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.927 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014234.D

Acq: 19 Jun 2023 17:44

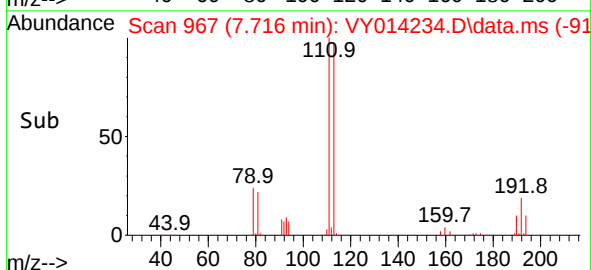
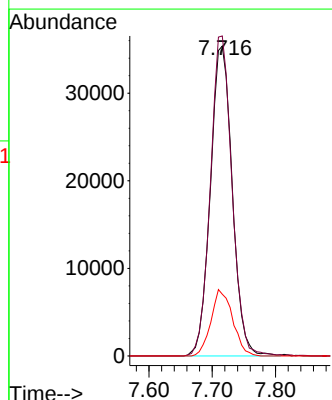
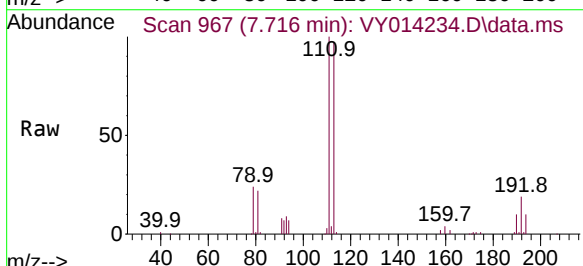
Tgt Ion:113 Resp: 85016

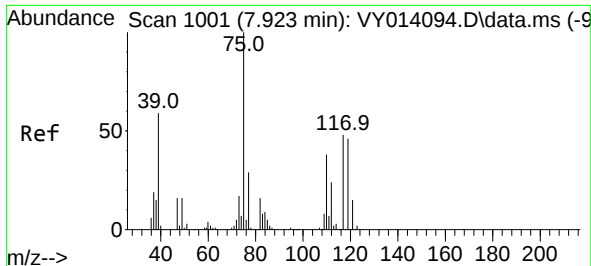
Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

192 21.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.250 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY014234.D

Acq: 19 Jun 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-OU3-DENALI-1

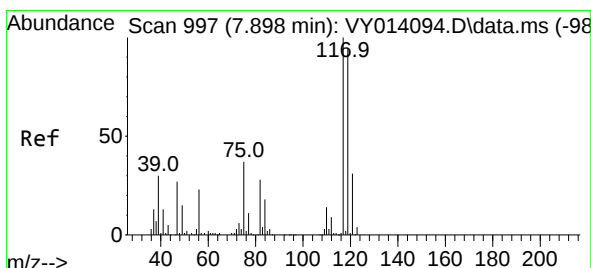
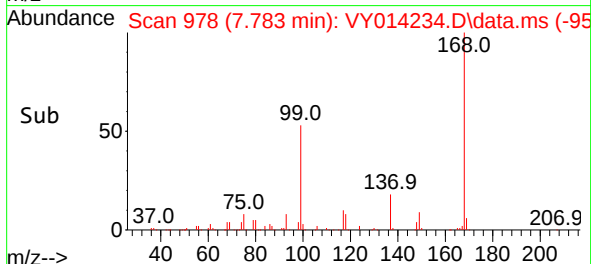
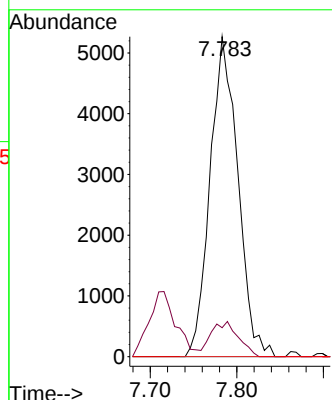
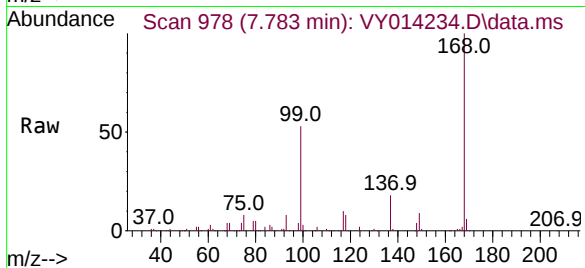
Tgt Ion: 75 Resp: 11753

Ion Ratio Lower Upper

75 100

110 10.7 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.616 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.115 min

Lab File: VY014234.D

Acq: 19 Jun 2023 17:44

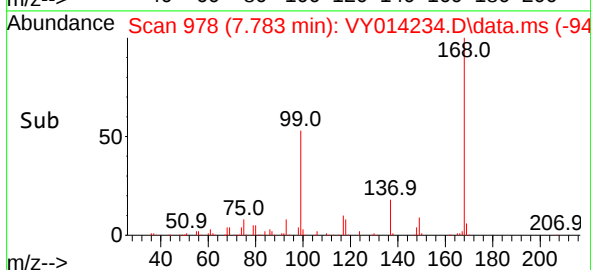
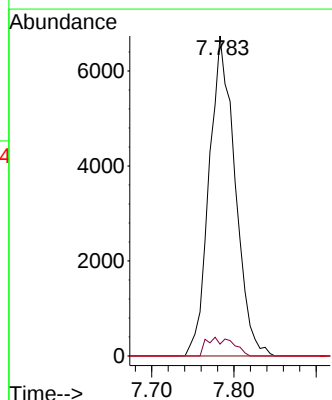
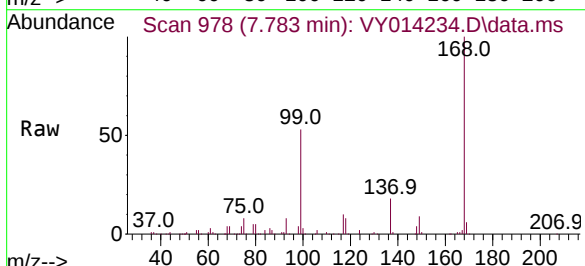
Tgt Ion: 117 Resp: 14732

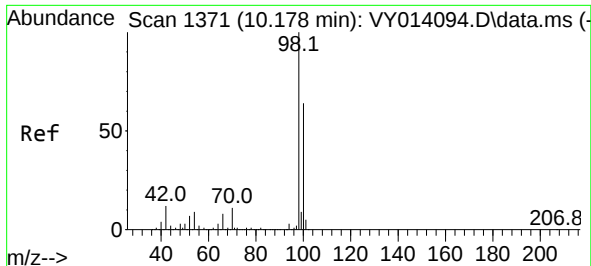
Ion Ratio Lower Upper

117 100

119 3.7 76.4 114.6#

121 0.0 25.8 38.6#

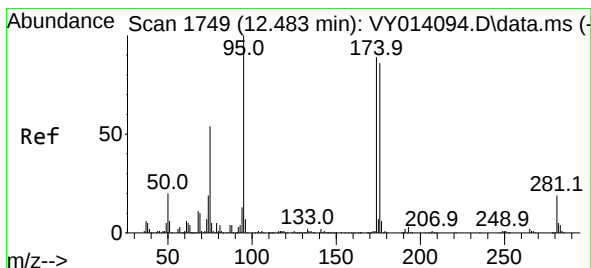
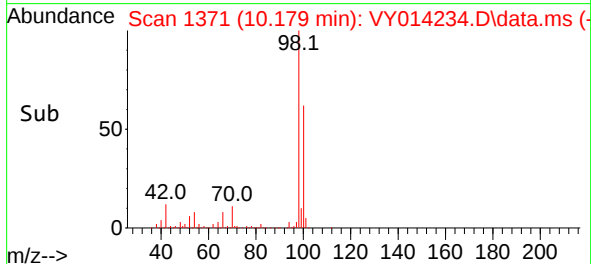
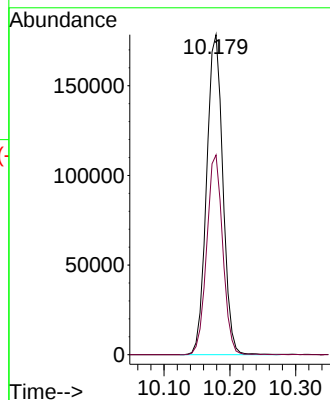
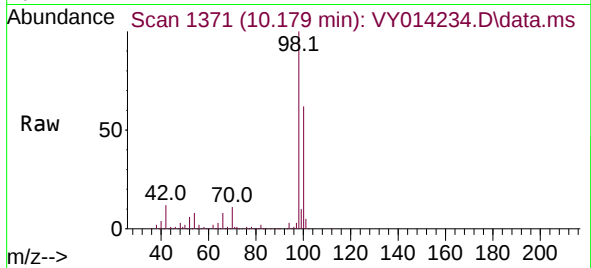




#50
Toluene-d8
Concen: 46.187 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014234.D
Acq: 19 Jun 2023 17:44

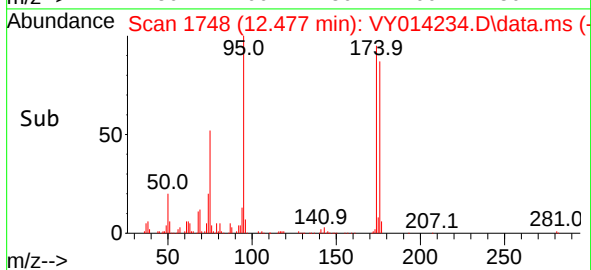
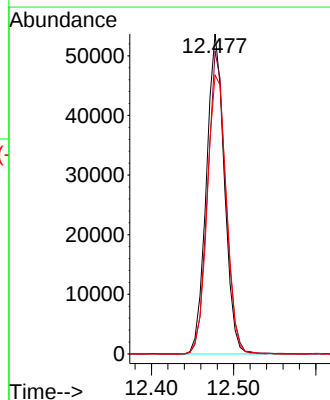
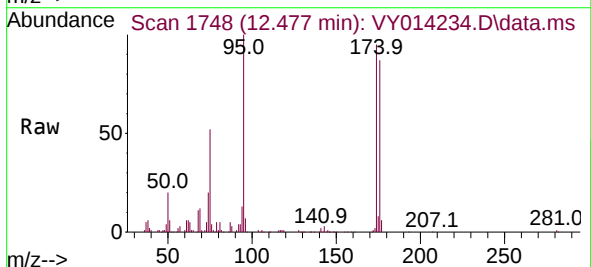
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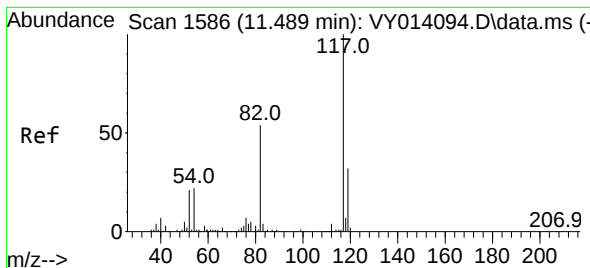
Tgt Ion: 98 Resp: 306303
Ion Ratio Lower Upper
98 100
100 61.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 34.641 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014234.D
Acq: 19 Jun 2023 17:44

Tgt Ion: 95 Resp: 81609
Ion Ratio Lower Upper
95 100
174 95.7 0.0 178.2
176 93.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014234.D

Acq: 19 Jun 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-OU3-DENALI-1

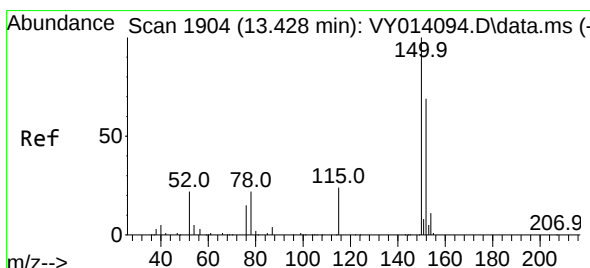
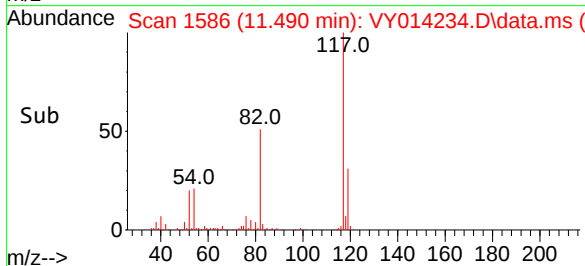
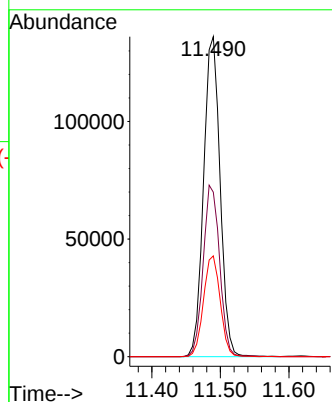
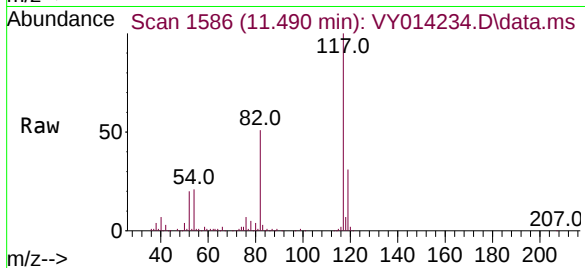
Tgt Ion:117 Resp: 228251

Ion Ratio Lower Upper

117 100

82 51.4 43.4 65.0

119 31.5 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014234.D

Acq: 19 Jun 2023 17:44

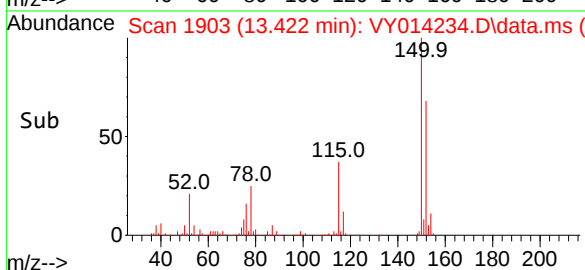
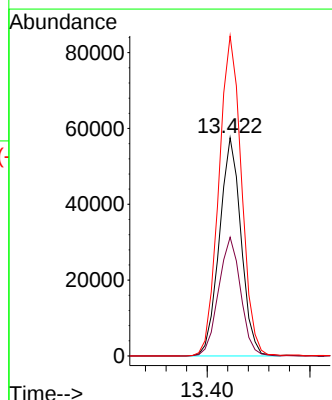
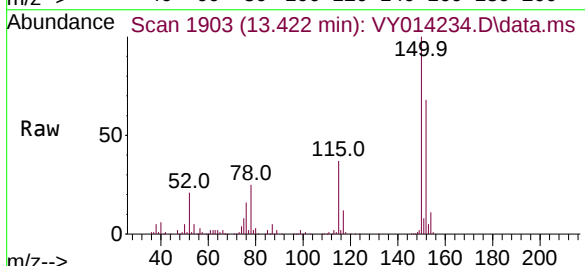
Tgt Ion:152 Resp: 84302

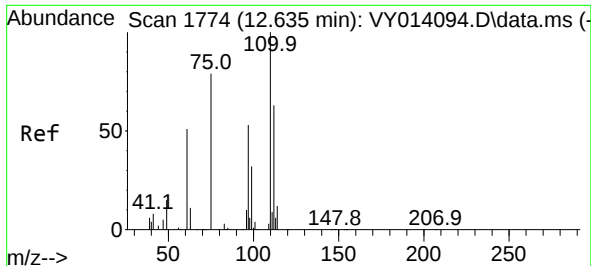
Ion Ratio Lower Upper

152 100

115 55.2 28.8 86.5

150 153.2 0.0 348.8

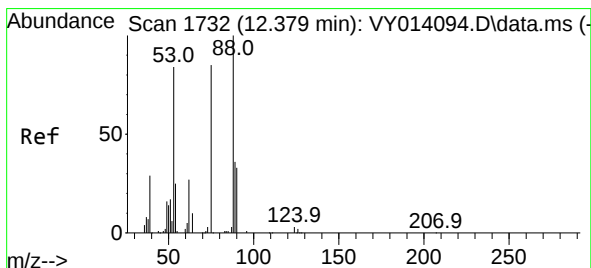
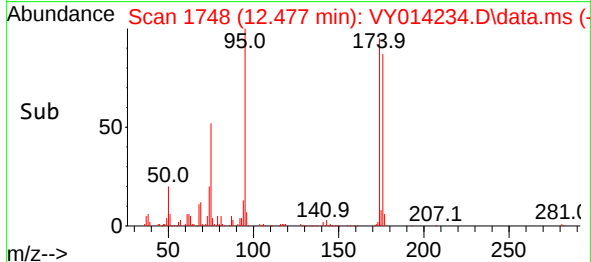
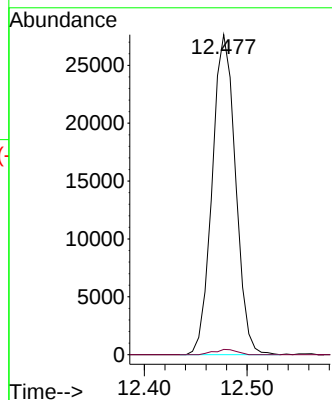
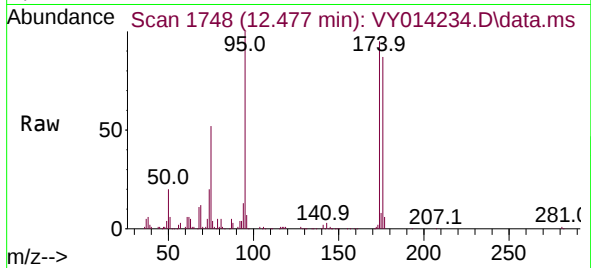




#76
1,2,3-Trichloropropane
Concen: 39.411 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014234.D
Acq: 19 Jun 2023 17:44

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-1

Tgt Ion: 75 Resp: 43589
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.190 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014234.D
Acq: 19 Jun 2023 17:44

Tgt Ion: 75 Resp: 43589
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.2 37.4 56.0#

