

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083123\
 Data File : VY015396.D
 Acq On : 31 Aug 2023 12:17
 Operator : SY/MD
 Sample : 04212-03
 Misc : 6.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-OU3-DENALI-3

Quant Time: Sep 01 00:45:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

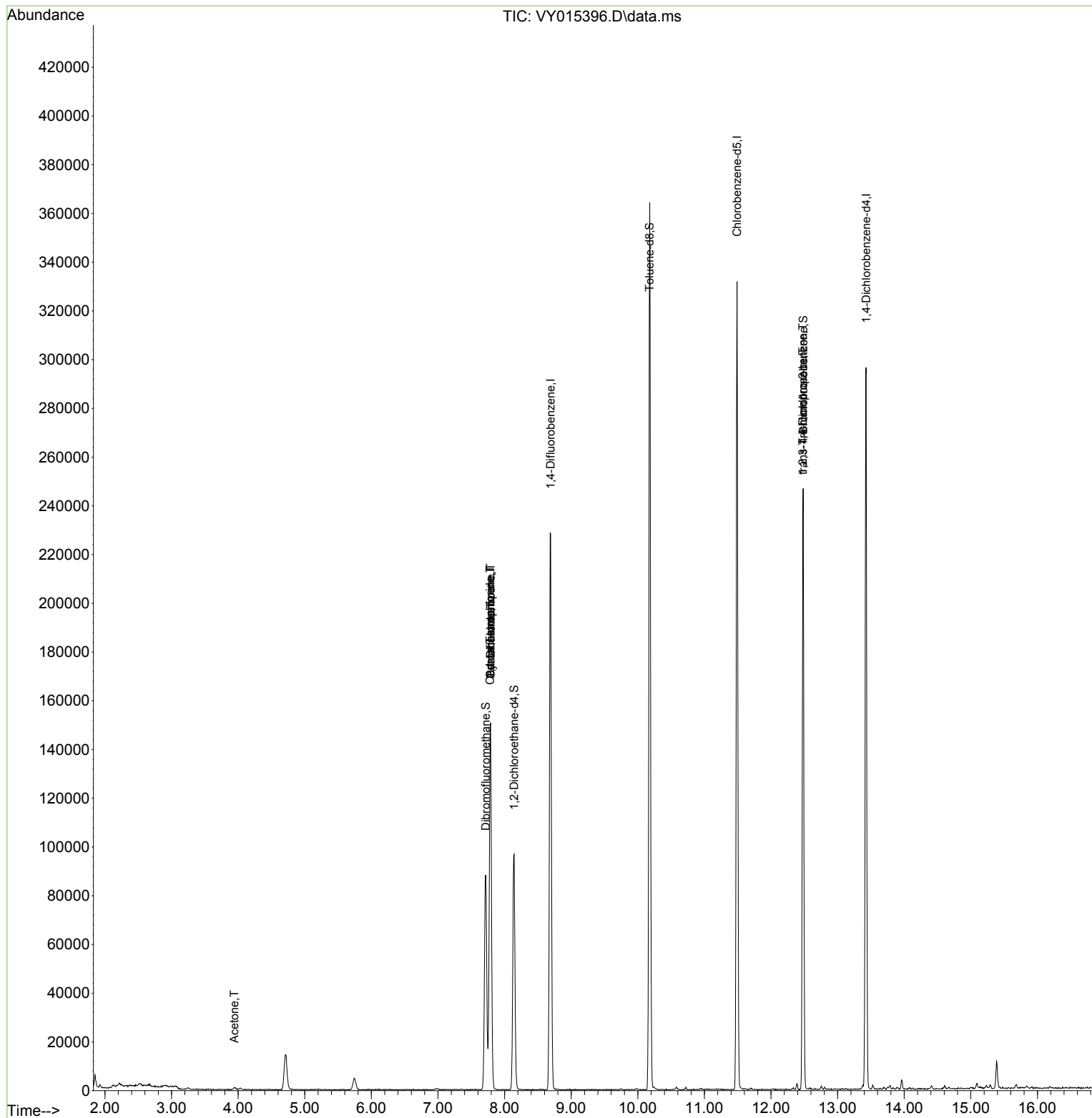
Internal Standards						
1) Pentafluorobenzene	7.789	168	117465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	199584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	176755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	77447	61.505	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 123.000%		
35) Dibromofluoromethane	7.716	113	63584	55.312	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 110.620%		
50) Toluene-d8	10.179	98	234318	56.286	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 112.580%		
62) 4-Bromofluorobenzene	12.483	95	74750	48.368	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 96.740%		
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	1745	3.320	ug/l	91
31) Cyclohexane	7.789	56	2525	1.129	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9051	4.484	ug/l #	50
38) Carbon Tetrachloride	7.783	117	11951	5.733	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	40313	39.882	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	40313	87.975	ug/l #	10

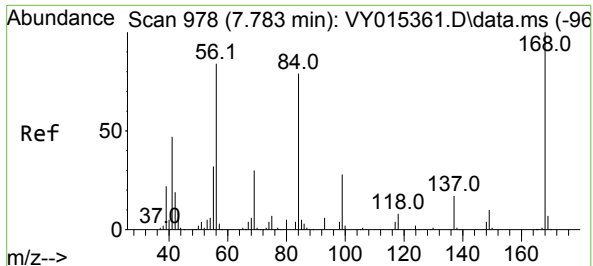
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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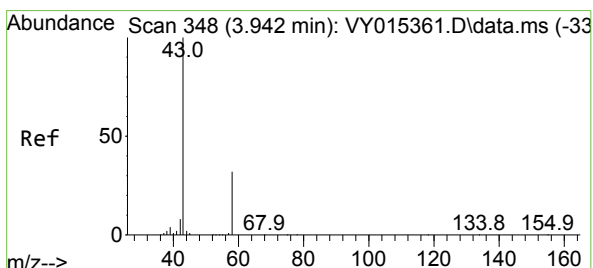
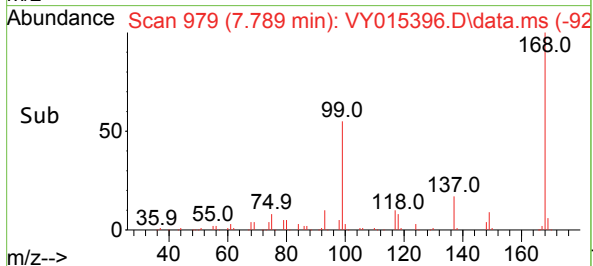
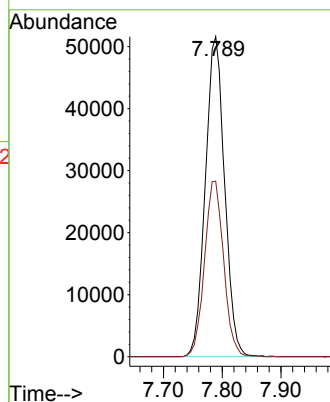
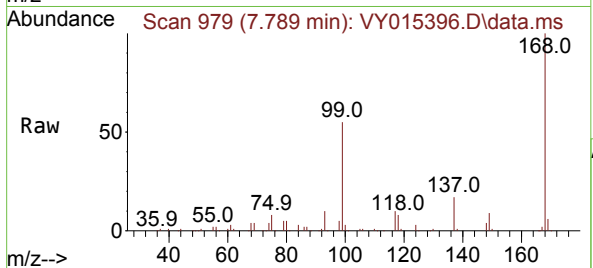




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015396.D
Acq: 31 Aug 2023 12:17

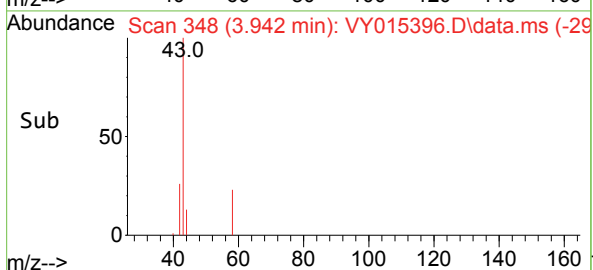
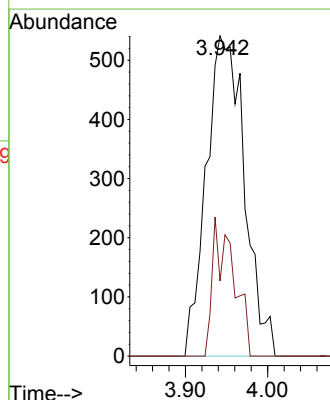
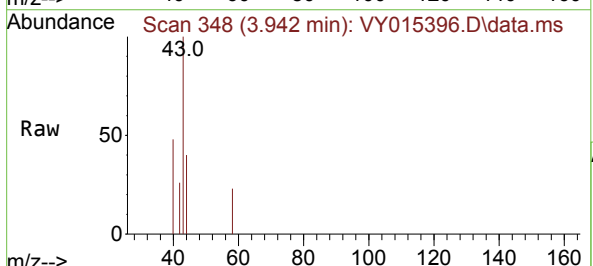
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-3

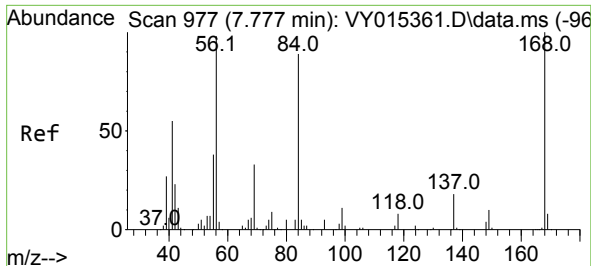
Tgt Ion:168 Resp: 117465
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0



#16
Acetone
Concen: 3.320 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015396.D
Acq: 31 Aug 2023 12:17

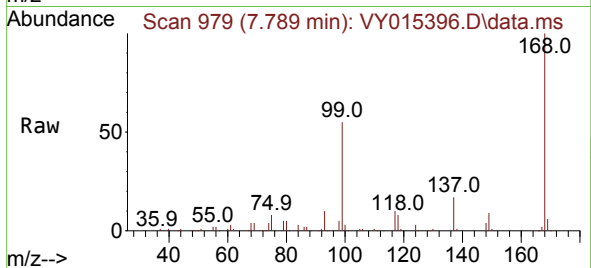
Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
58 23.5 22.7 34.1



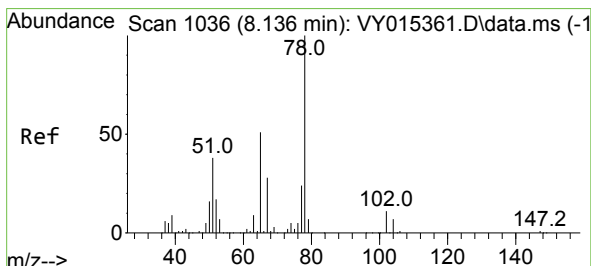
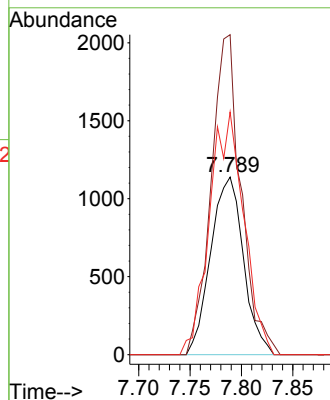
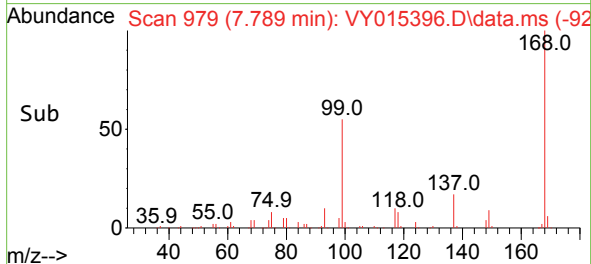


#31
Cyclohexane
Concen: 1.129 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015396.D
Acq: 31 Aug 2023 12:17

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-3

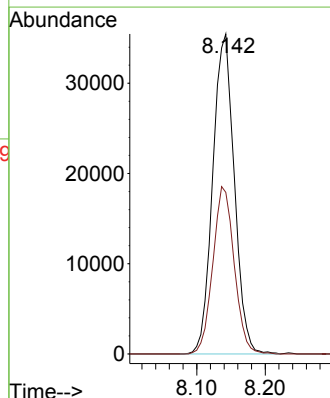
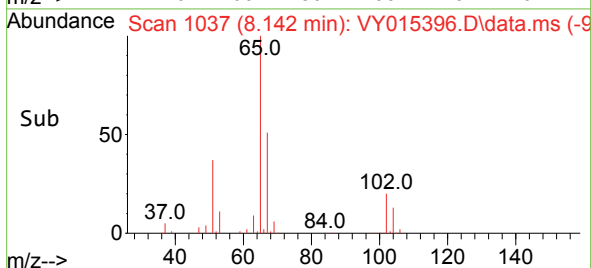
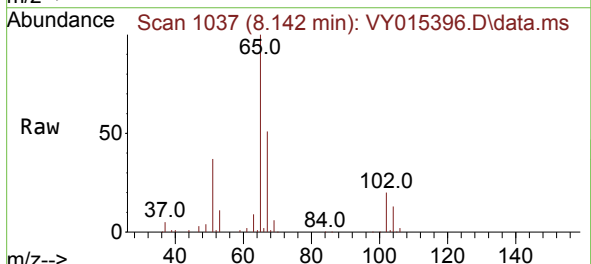


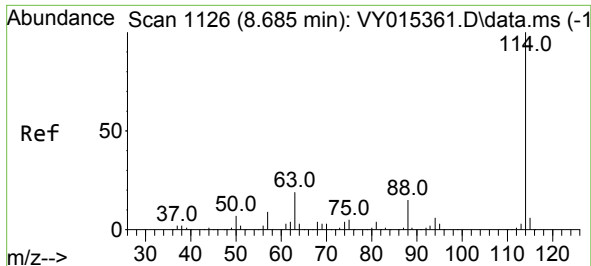
Tgt Ion: 56 Resp: 2525
Ion Ratio Lower Upper
56 100
69 180.2 27.8 41.6#
84 136.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 61.505 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015396.D
Acq: 31 Aug 2023 12:17

Tgt Ion: 65 Resp: 77447
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.8

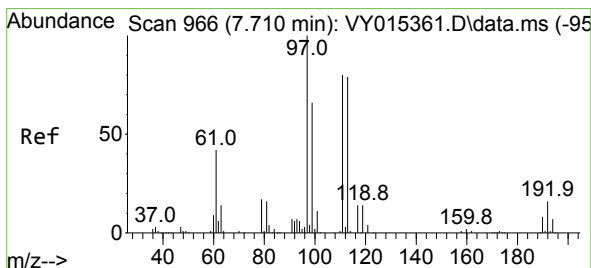
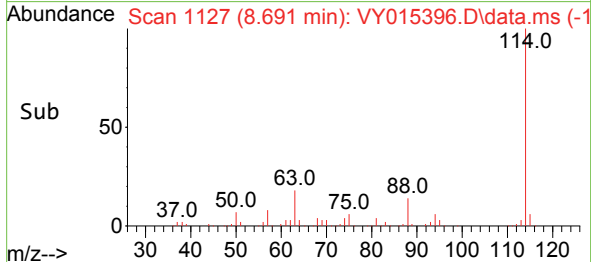
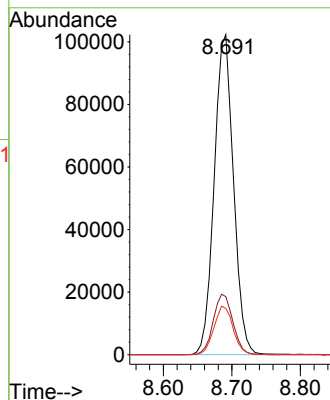
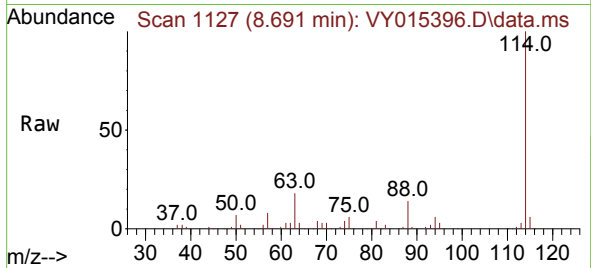




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015396.D
Acq: 31 Aug 2023 12:17

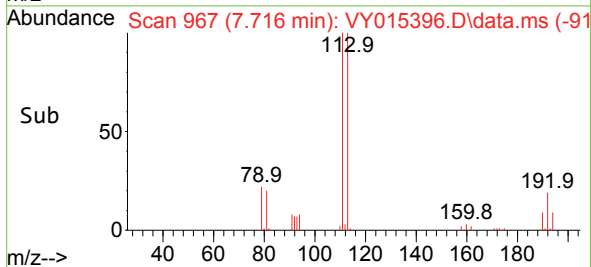
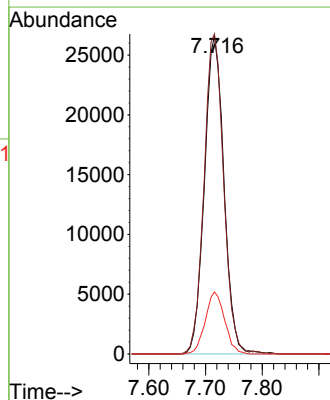
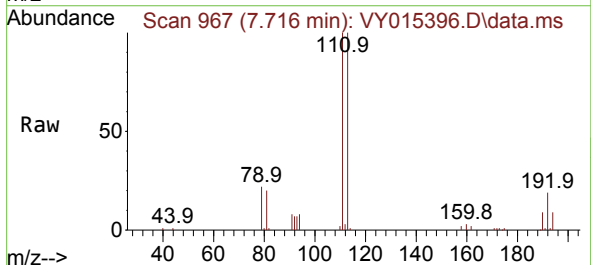
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-3

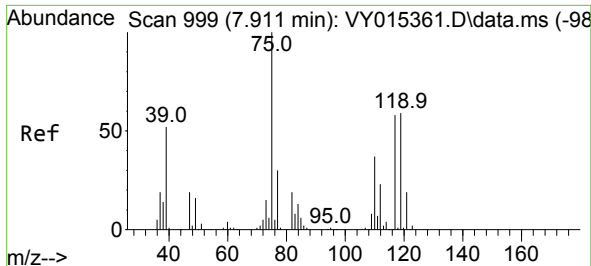
Tgt Ion:114 Resp: 199584
Ion Ratio Lower Upper
114 100
63 18.1 0.0 42.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 55.312 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015396.D
Acq: 31 Aug 2023 12:17

Tgt Ion:113 Resp: 63584
Ion Ratio Lower Upper
113 100
111 101.1 81.3 121.9
192 19.4 16.9 25.3

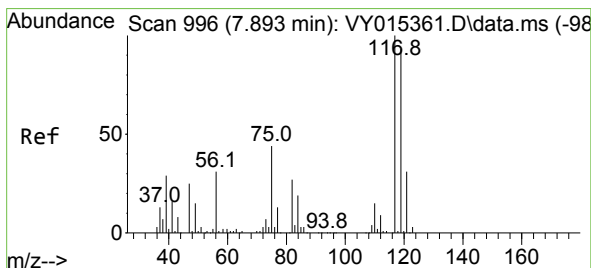
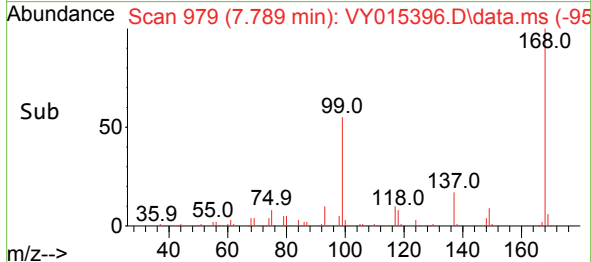
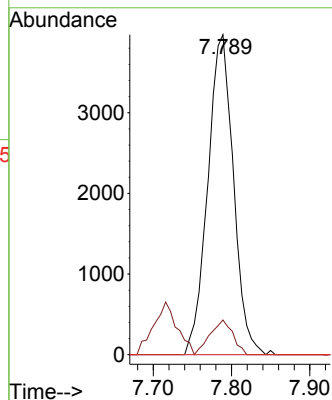
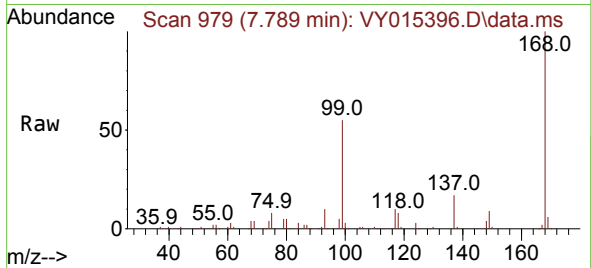




#36
1,1-Dichloropropene
Concen: 4.484 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015396.D
Acq: 31 Aug 2023 12:17

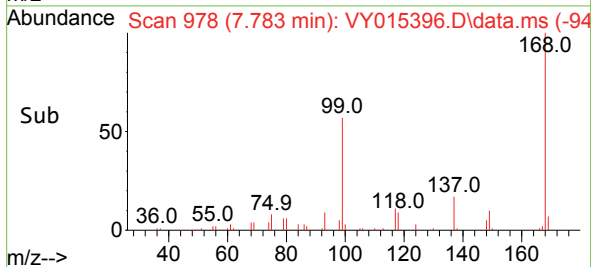
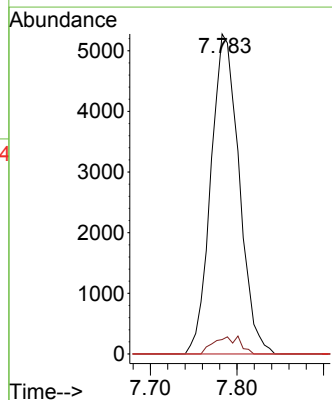
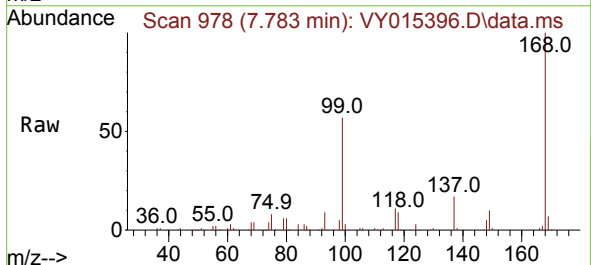
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-3

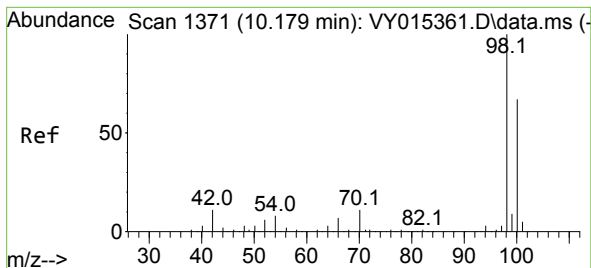
Tgt Ion: 75 Resp: 9051
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.733 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY015396.D
Acq: 31 Aug 2023 12:17

Tgt Ion: 117 Resp: 11951
Ion Ratio Lower Upper
117 100
119 4.5 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 56.286 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015396.D

Acq: 31 Aug 2023 12:17

Instrument :

MSVOA_Y

ClientSampleId :

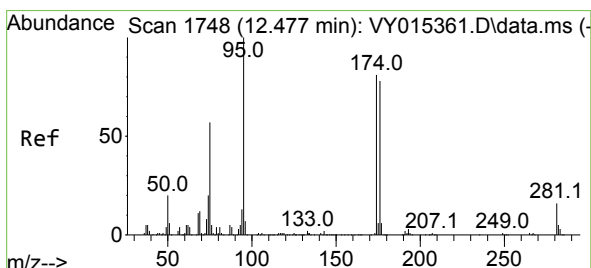
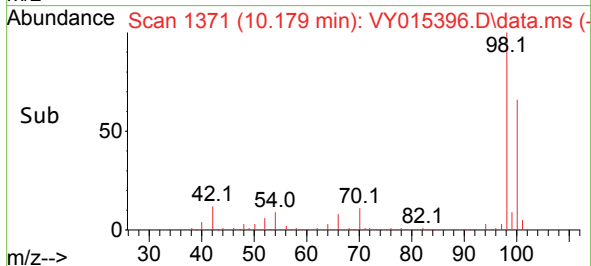
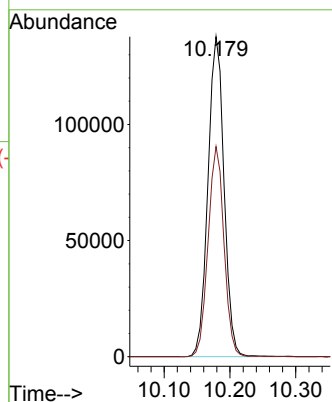
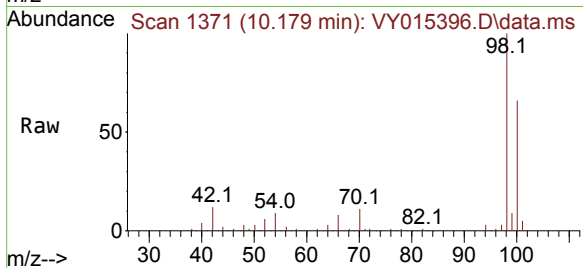
TOPSOIL-OU3-DENALI-3

Tgt Ion: 98 Resp: 234318

Ion Ratio Lower Upper

98 100

100 64.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 48.368 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015396.D

Acq: 31 Aug 2023 12:17

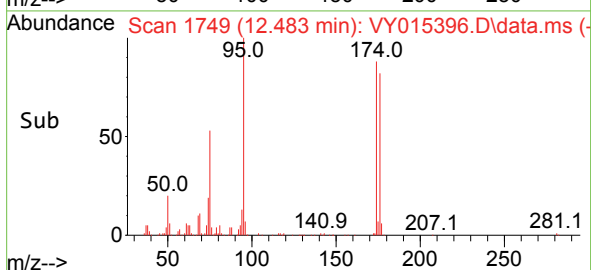
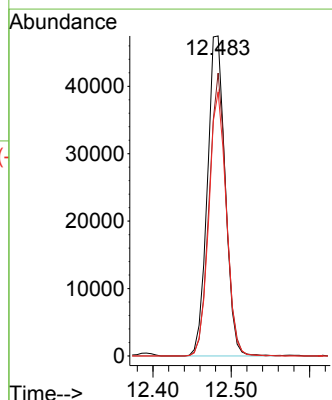
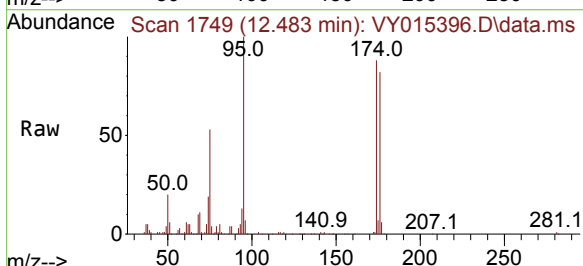
Tgt Ion: 95 Resp: 74750

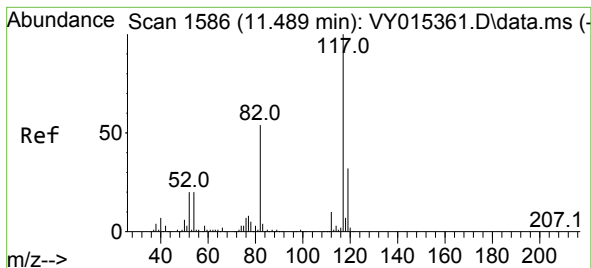
Ion Ratio Lower Upper

95 100

174 84.7 0.0 178.2

176 80.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015396.D

Acq: 31 Aug 2023 12:17

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-OU3-DENALI-3

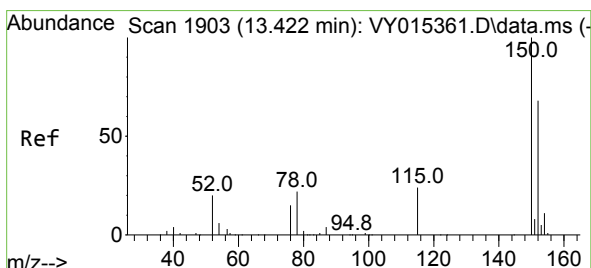
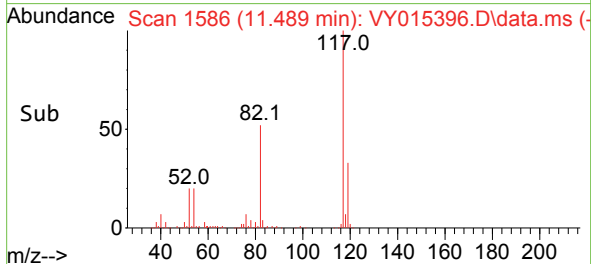
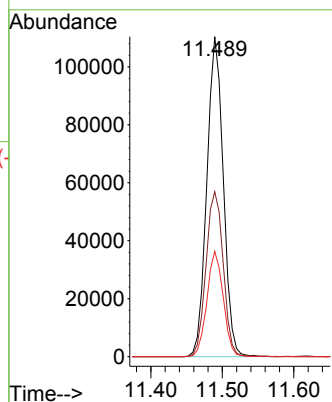
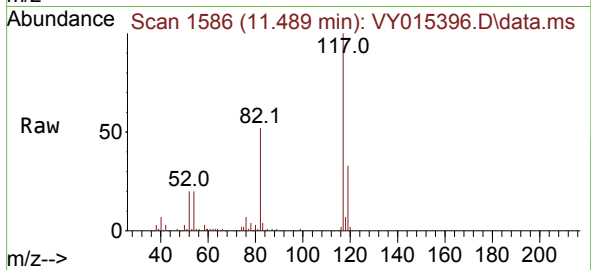
Tgt Ion:117 Resp: 176755

Ion Ratio Lower Upper

117 100

82 51.5 43.4 65.0

119 32.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015396.D

Acq: 31 Aug 2023 12:17

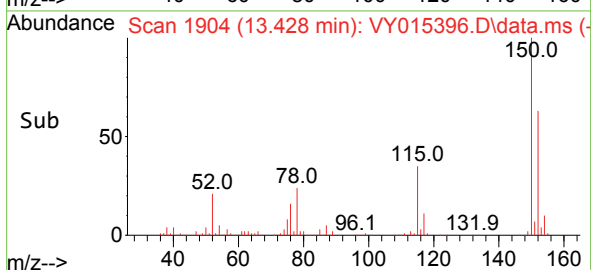
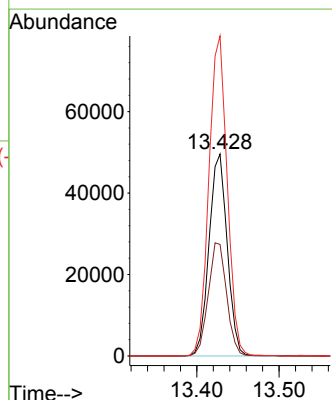
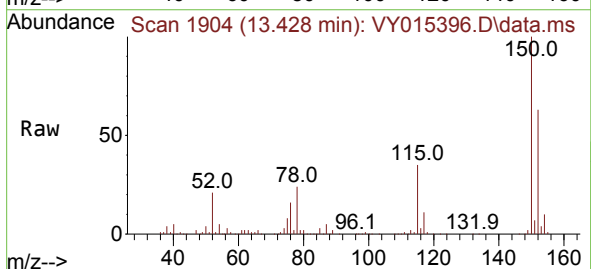
Tgt Ion:152 Resp: 76224

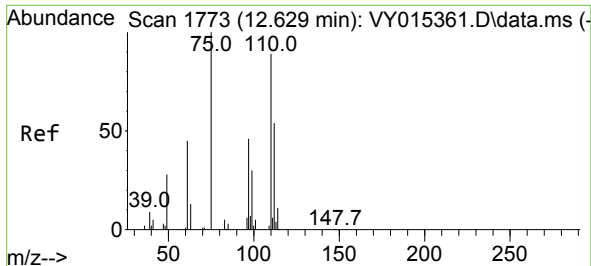
Ion Ratio Lower Upper

152 100

115 56.5 28.8 86.5

150 159.1 0.0 348.8

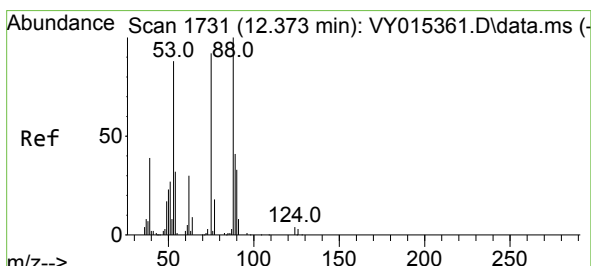
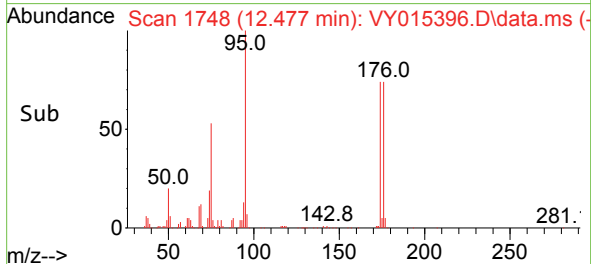
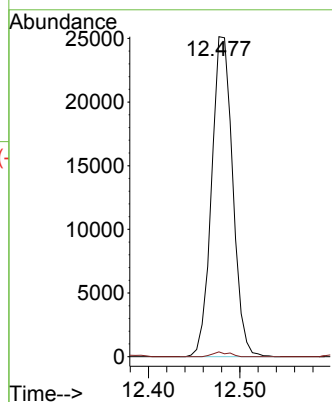
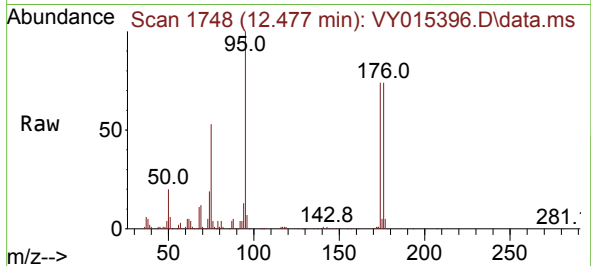




#76
1,2,3-Trichloropropane
Concen: 39.882 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015396.D
Acq: 31 Aug 2023 12:17

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Tgt Ion: 75 Resp: 40313
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.975 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY015396.D
Acq: 31 Aug 2023 12:17

Tgt Ion: 75 Resp: 40313
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

