

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083123\
 Data File : VY015395.D
 Acq On : 31 Aug 2023 11:54
 Operator : SY/MD
 Sample : 04212-01
 Misc : 6.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-OU3-DENALI-2

Quant Time: Sep 01 00:44:51 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)

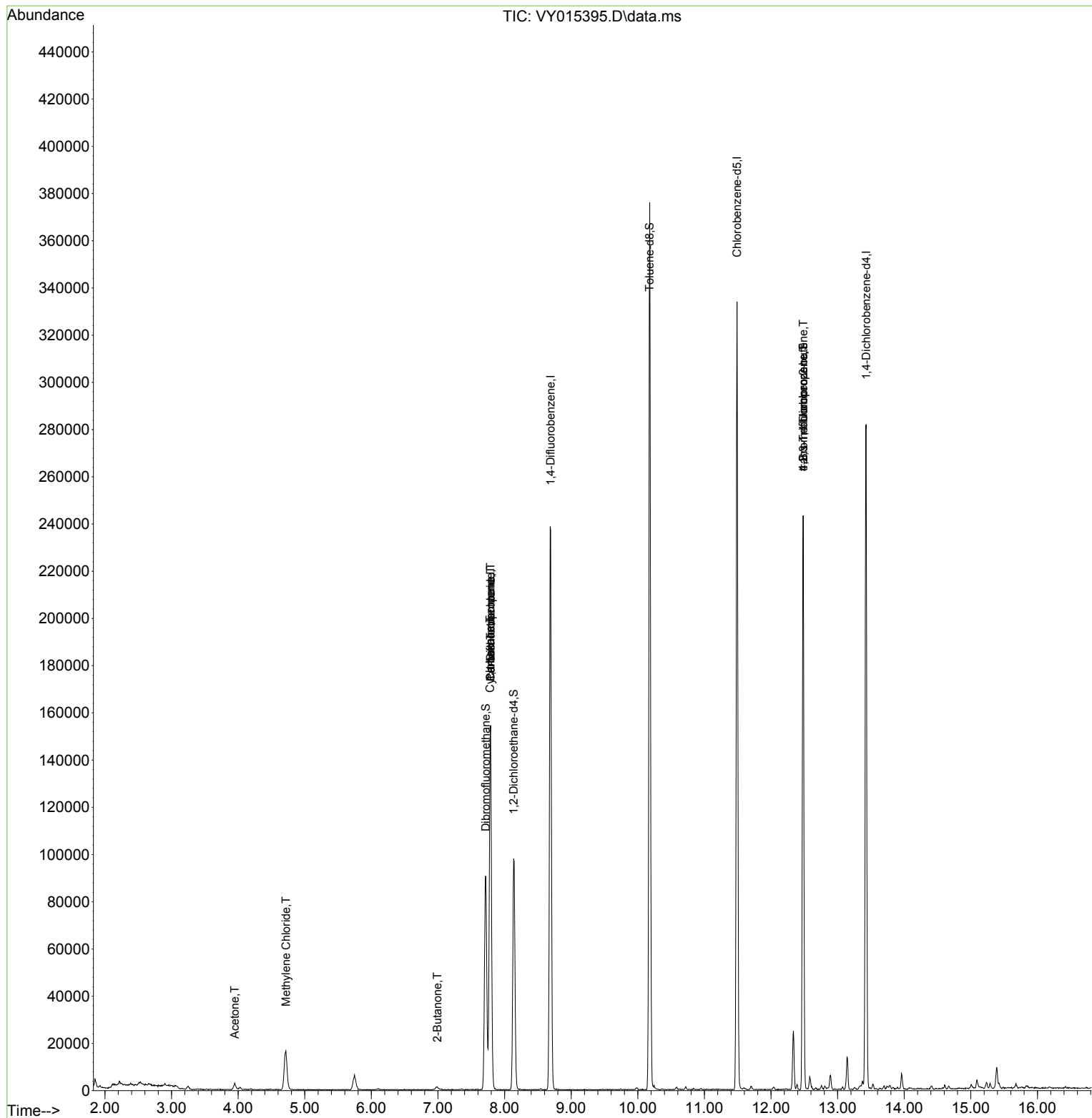
Internal Standards						
1) Pentafluorobenzene	7.789	168	120227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	204503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	175737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	73752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	78676	61.045	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.100%	
35) Dibromofluoromethane	7.716	113	65017	55.198	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.400%	
50) Toluene-d8	10.179	98	238699	55.959	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.920%	
62) 4-Bromofluorobenzene	12.483	95	72804	45.975	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.960%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	4197	7.802	ug/l	99
20) Methylene Chloride	4.716	84	12130	1.107	ug/l	97
25) 2-Butanone	6.990	43	1478	1.937	ug/l #	55
31) Cyclohexane	7.783	56	2630	1.149	ug/l #	12
36) 1,1-Dichloropropene	7.789	75	9331	4.512	ug/l #	51
38) Carbon Tetrachloride	7.789	117	11752	5.502	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	39592	40.481	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	39592	89.298	ug/l #	10

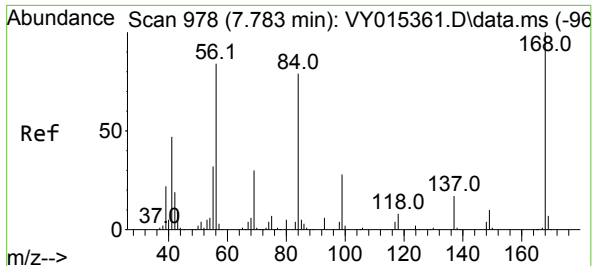
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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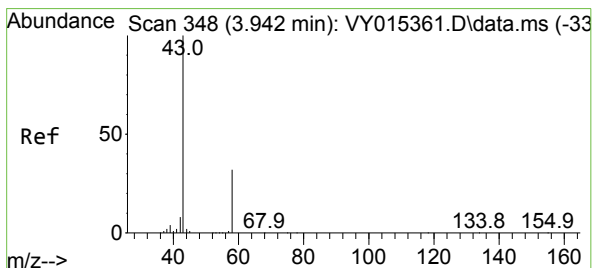
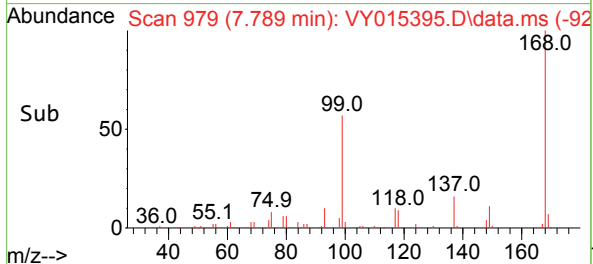
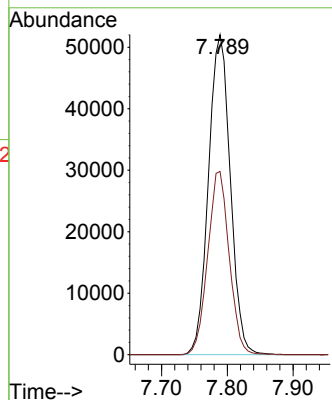
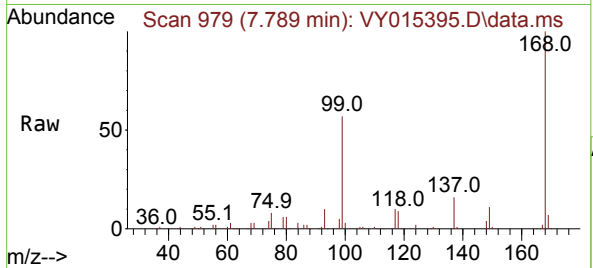




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

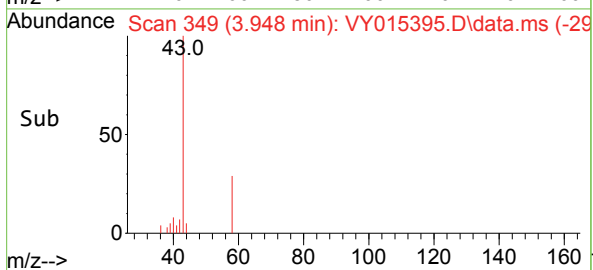
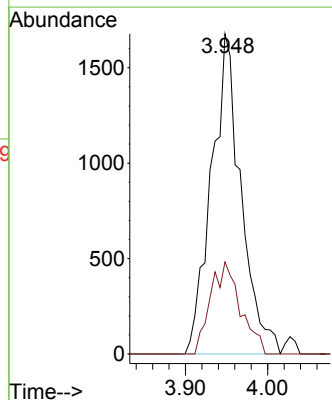
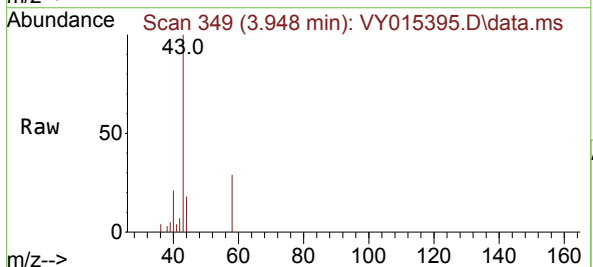
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-2

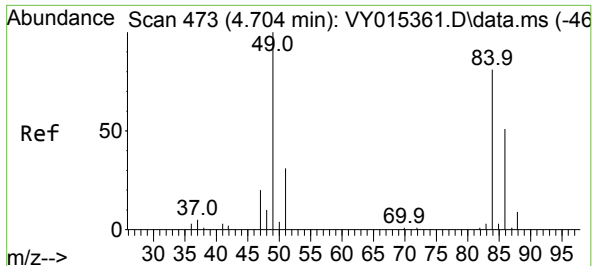
Tgt Ion:168 Resp: 120227
Ion Ratio Lower Upper
168 100
99 57.3 43.4 65.0



#16
Acetone
Concen: 7.802 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

Tgt Ion: 43 Resp: 4197
Ion Ratio Lower Upper
43 100
58 28.7 22.7 34.1

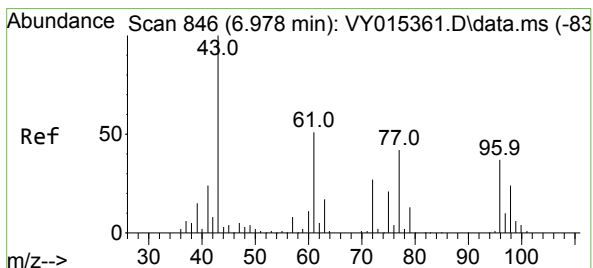
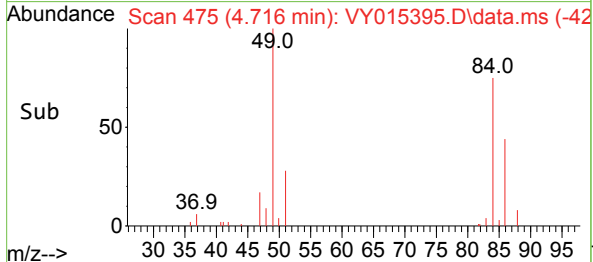
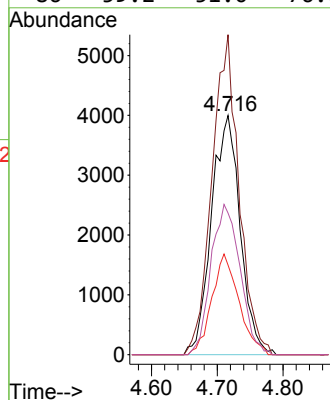
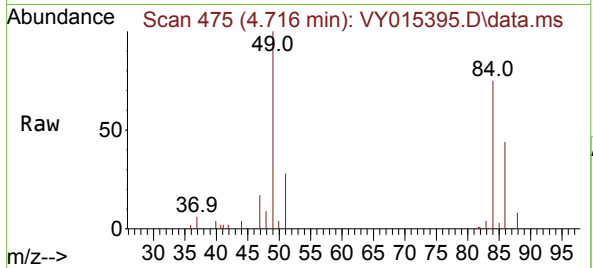




#20
Methylene Chloride
Concen: 1.107 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

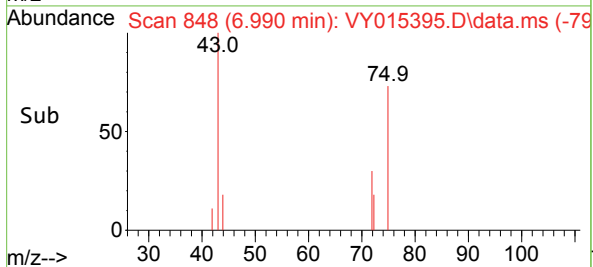
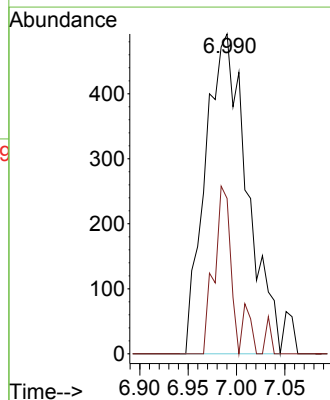
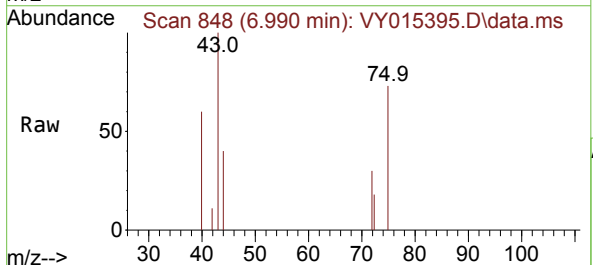
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-2

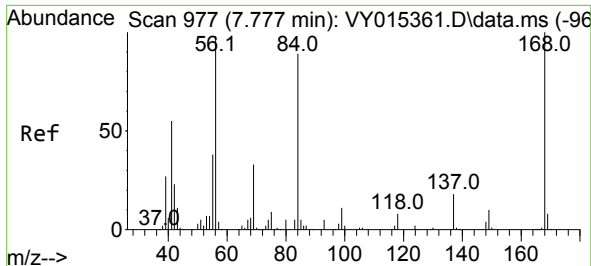
Tgt Ion: 84 Resp: 12130
Ion Ratio Lower Upper
84 100
49 133.8 106.9 160.3
51 37.5 33.2 49.8
86 59.2 51.0 76.6



#25
2-Butanone
Concen: 1.937 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

Tgt Ion: 43 Resp: 1478
Ion Ratio Lower Upper
43 100
72 48.6 20.5 30.7#

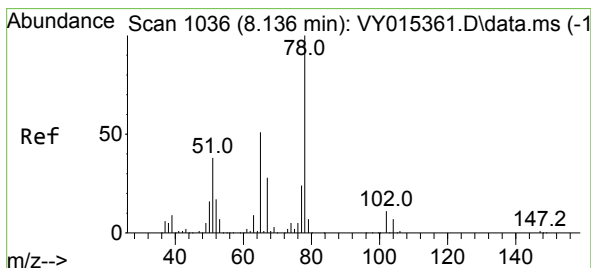
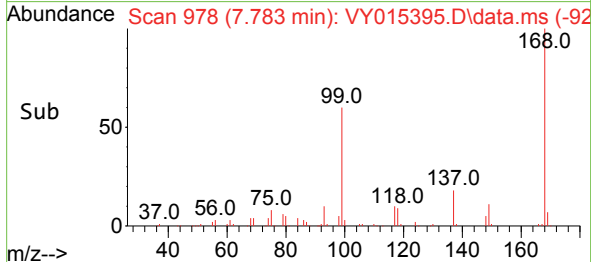
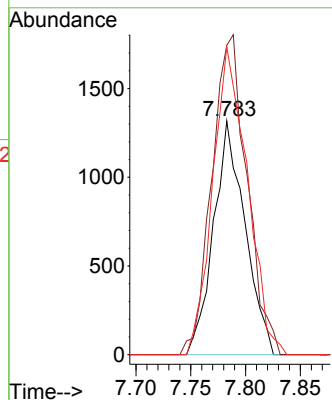
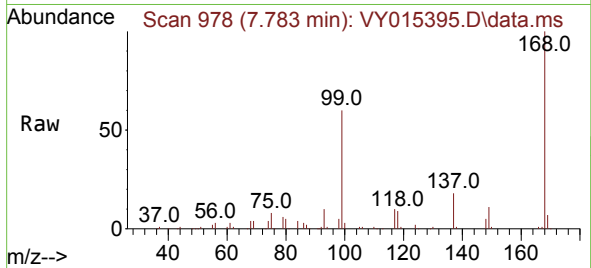




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

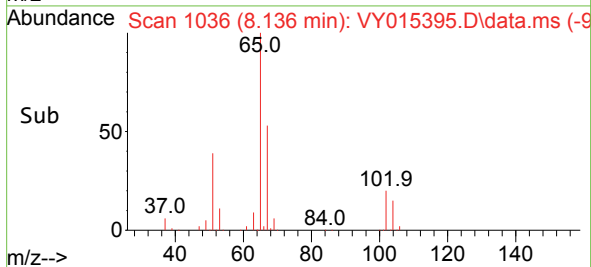
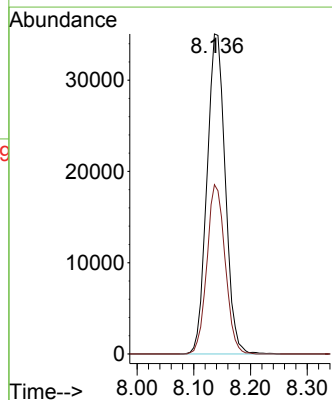
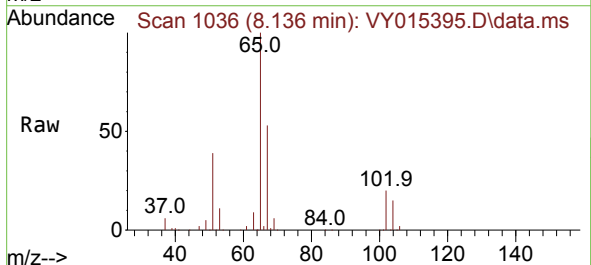
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-2

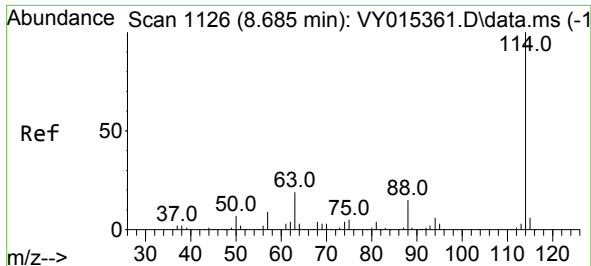
Tgt Ion: 56 Resp: 2630
Ion Ratio Lower Upper
56 100
69 132.3 27.8 41.6#
84 131.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 61.045 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

Tgt Ion: 65 Resp: 78676
Ion Ratio Lower Upper
65 100
67 52.6 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: VY015395.D

Acq: 31 Aug 2023 11:54

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-OU3-DENALI-2

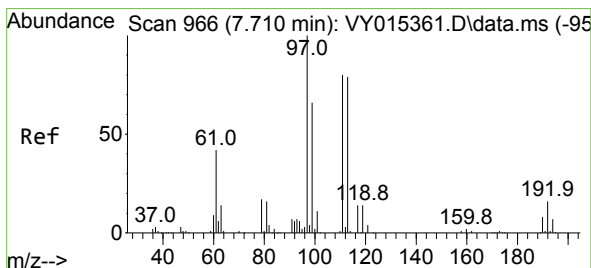
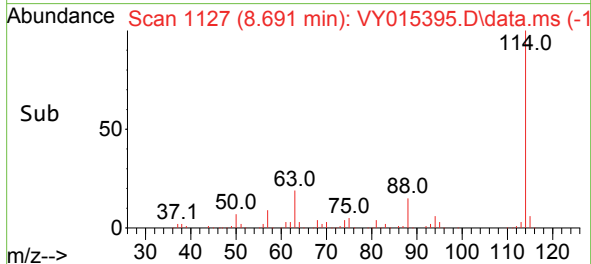
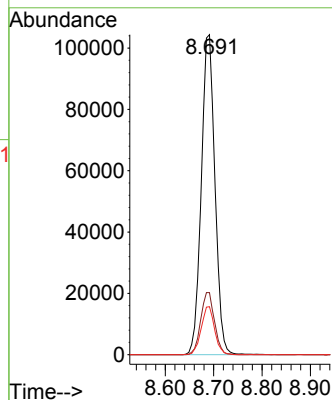
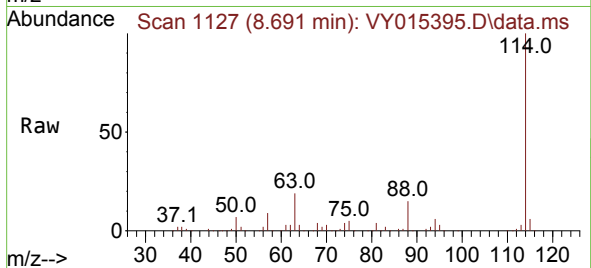
Tgt Ion:114 Resp: 204503

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.198 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015395.D

Acq: 31 Aug 2023 11:54

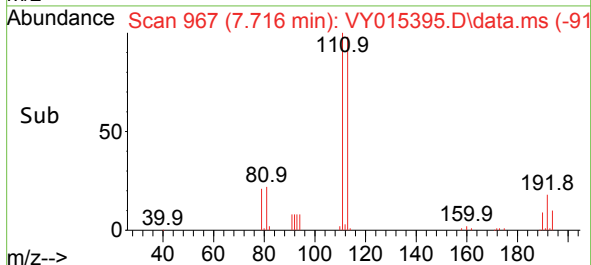
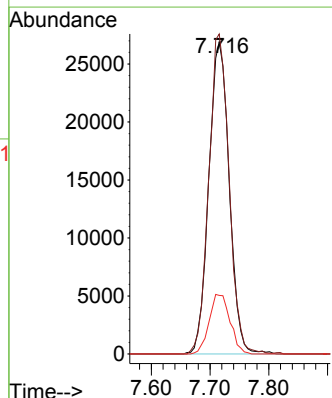
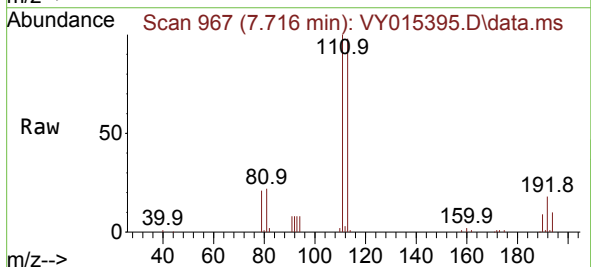
Tgt Ion:113 Resp: 65017

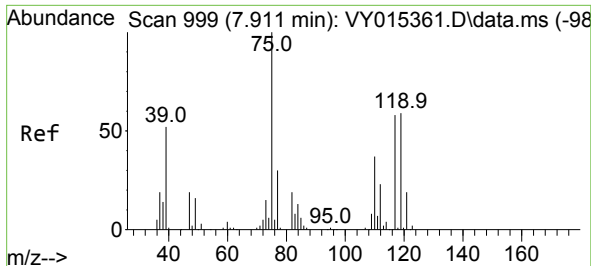
Ion Ratio Lower Upper

113 100

111 101.6 81.3 121.9

192 19.5 16.9 25.3

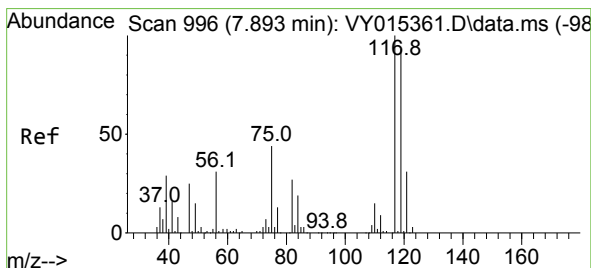
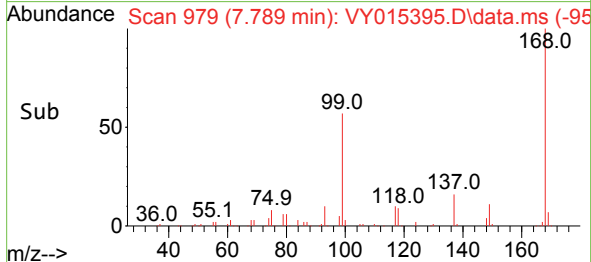
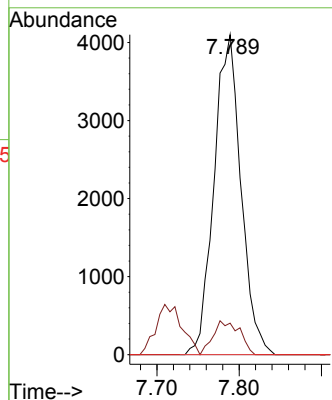
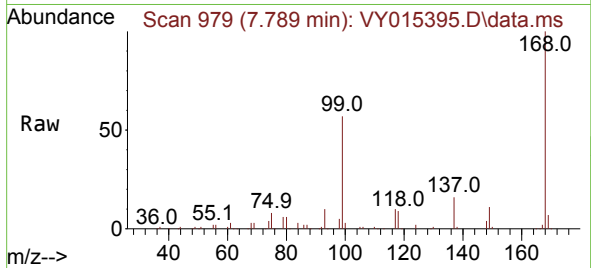




#36
1,1-Dichloropropene
Concen: 4.512 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

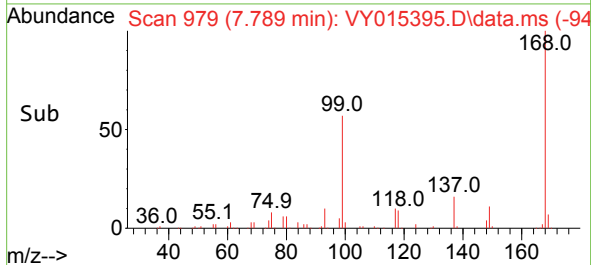
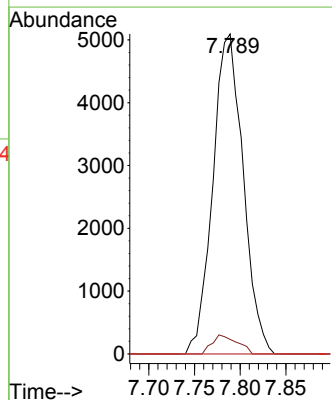
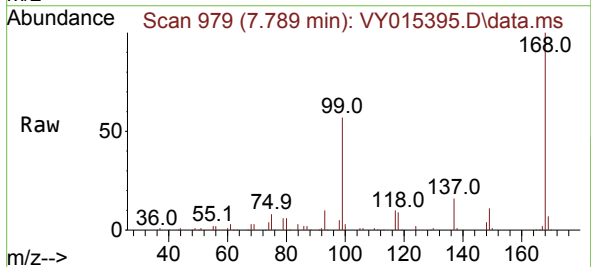
Instrument :
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ClientSampleId :
TOPSOIL-OU3-DENALI-2

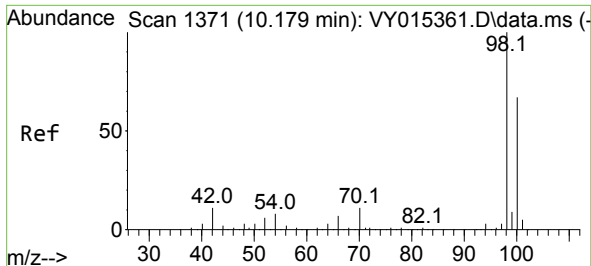
Tgt Ion: 75 Resp: 9331
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.502 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

Tgt Ion: 117 Resp: 11752
Ion Ratio Lower Upper
117 100
119 4.5 76.4 114.6#
121 0.0 25.8 38.6#

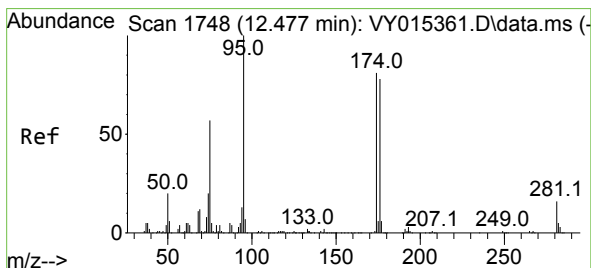
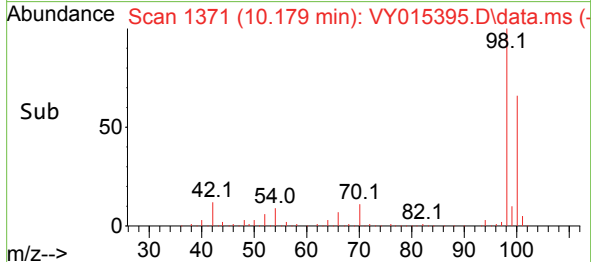
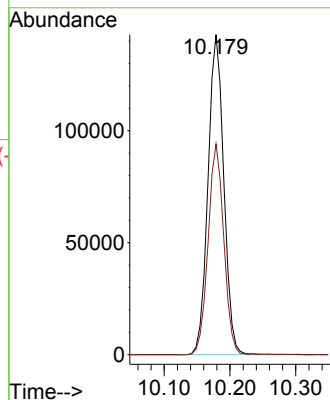
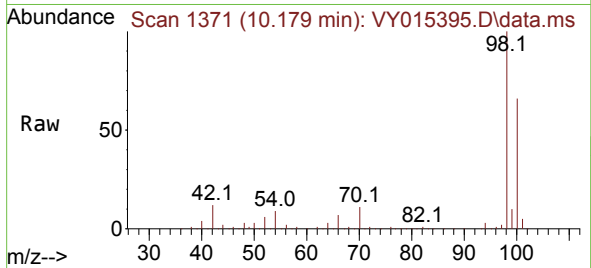




#50
Toluene-d8
Concen: 55.959 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

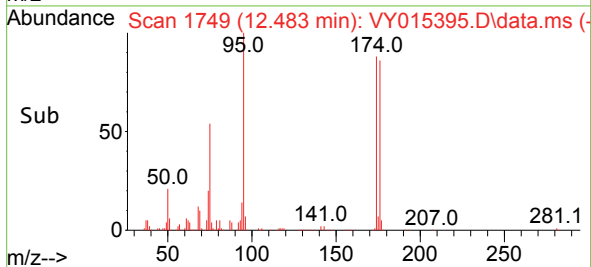
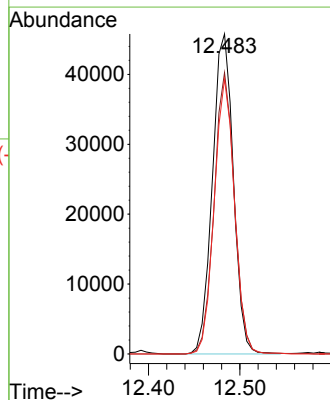
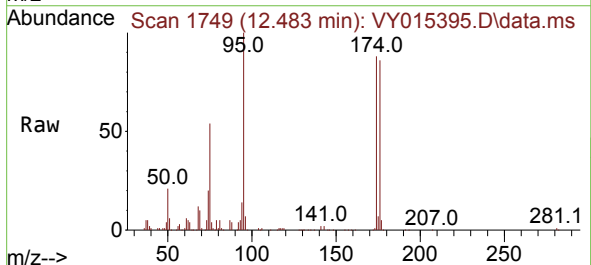
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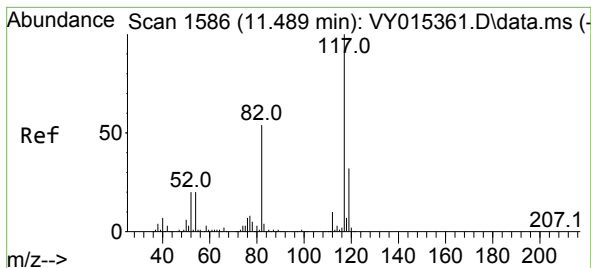
Tgt Ion: 98 Resp: 238699
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 45.975 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

Tgt Ion: 95 Resp: 72804
Ion Ratio Lower Upper
95 100
174 85.5 0.0 178.2
176 83.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015395.D

Acq: 31 Aug 2023 11:54

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-OU3-DENALI-2

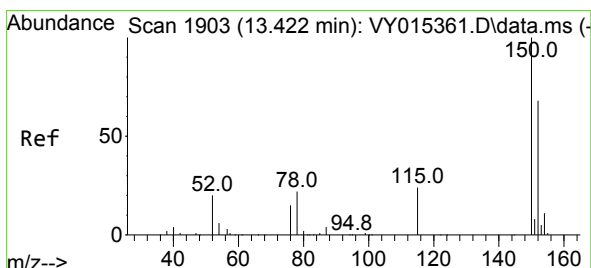
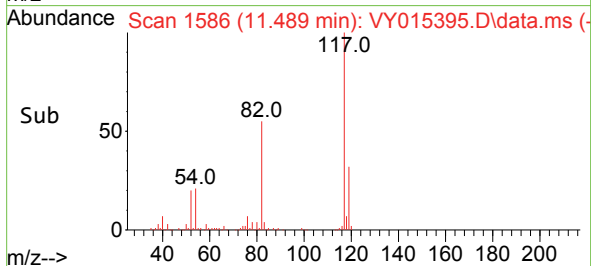
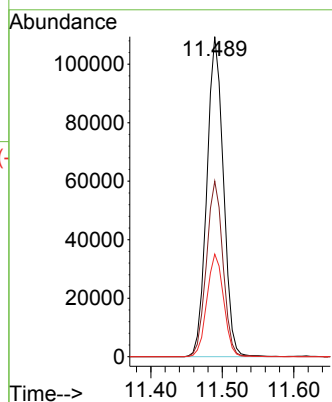
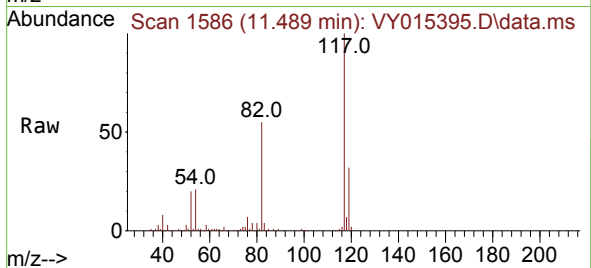
Tgt Ion:117 Resp: 175737

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.0

119 32.0 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: VY015395.D

Acq: 31 Aug 2023 11:54

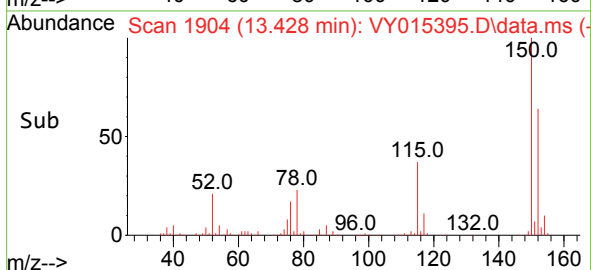
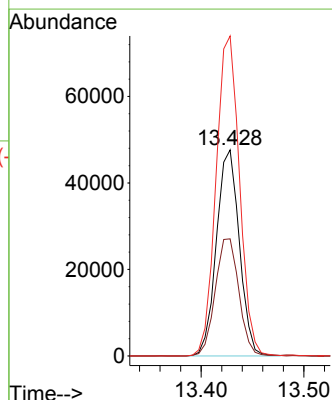
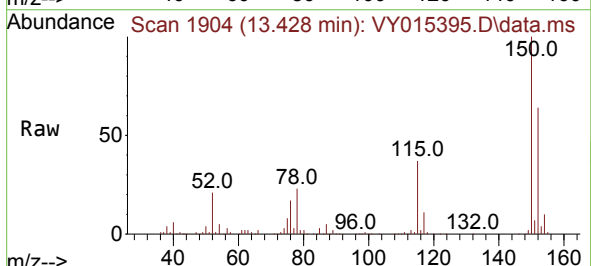
Tgt Ion:152 Resp: 73752

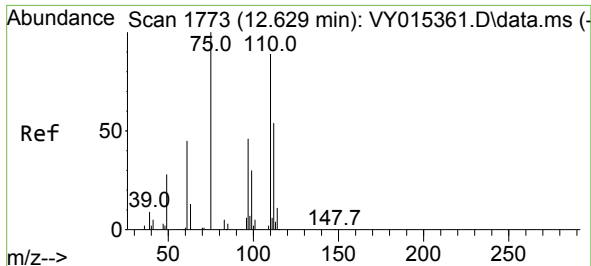
Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 158.8 0.0 348.8

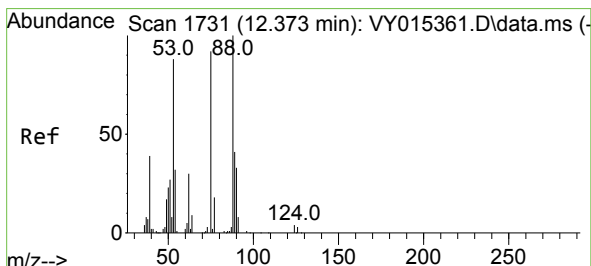
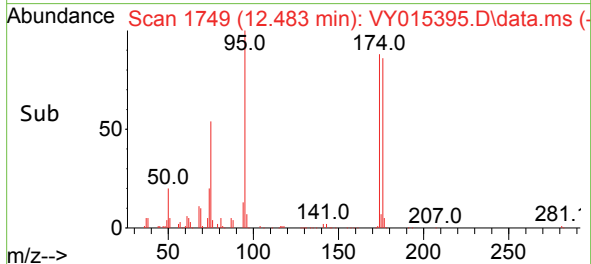
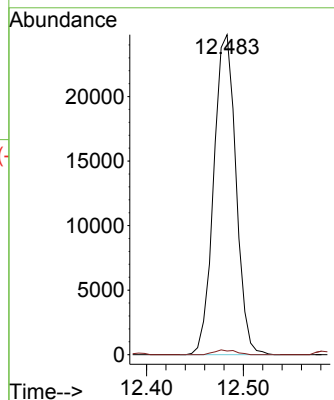
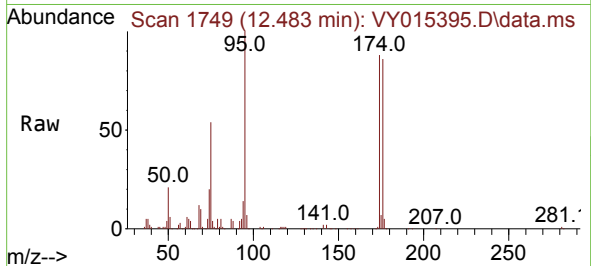




#76
1,2,3-Trichloropropane
Concen: 40.481 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-2

Tgt Ion: 75 Resp: 39592
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.298 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY015395.D
Acq: 31 Aug 2023 11:54

Tgt Ion: 75 Resp: 39592
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

