

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014280.D
 Acq On : 20 Jun 2023 13:58
 Operator : KP/MD
 Sample : 03279-01-
 Misc : 6.66g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jun 21 02:07:36 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)

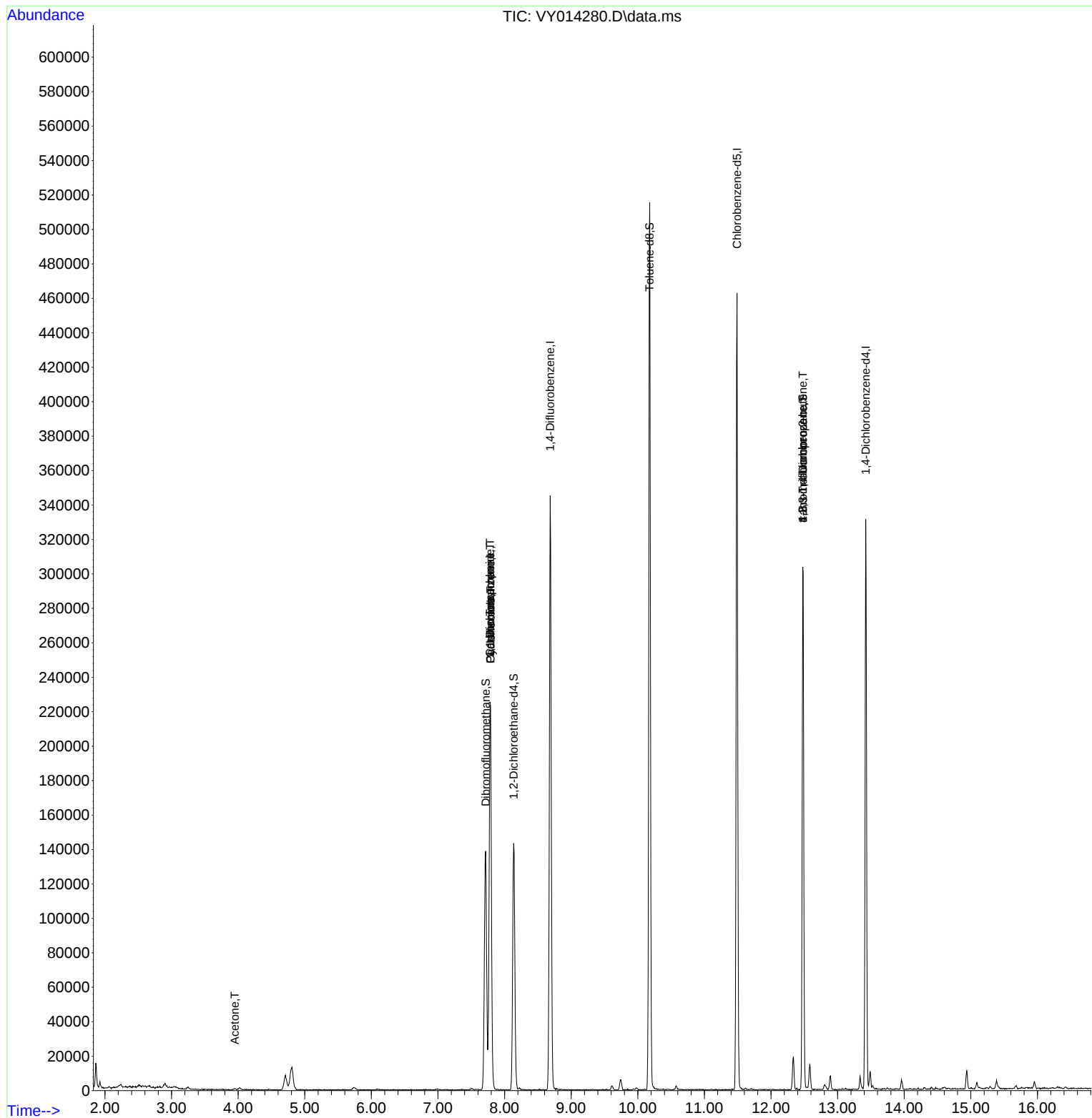
Internal Standards						
1) Pentafluorobenzene	7.789	168	175497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	281936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	240703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	84929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	122894	50.288	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.580%	
35) Dibromofluoromethane	7.716	113	92904	46.465	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.940%	
50) Toluene-d8	10.179	98	334227	44.712	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 89.420%	
62) 4-Bromofluorobenzene	12.477	95	86842	32.704	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 65.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	70	Below Cal	#	89
16) Acetone	3.948	43	871	1.182	ug/l #	85
20) Methylene Chloride	4.710	84	5541	Below Cal	#	89
31) Cyclohexane	7.789	56	4008	1.224	ug/l #	25
36) 1,1-Dichloropropene	7.783	75	13125	4.211	ug/l #	51
38) Carbon Tetrachloride	7.783	117	17786	4.945	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	47048	42.224	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	47048	91.272	ug/l #	11

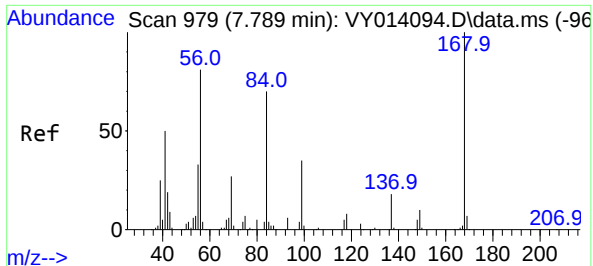
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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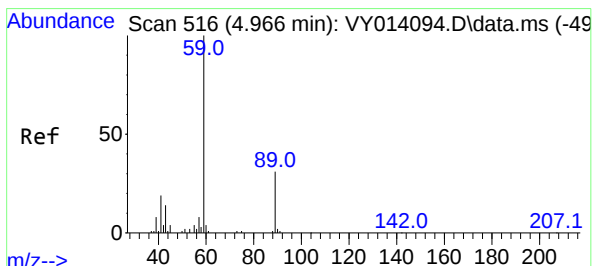
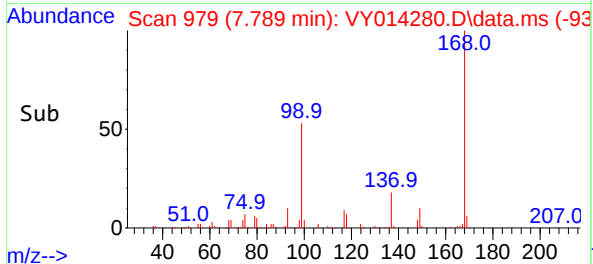
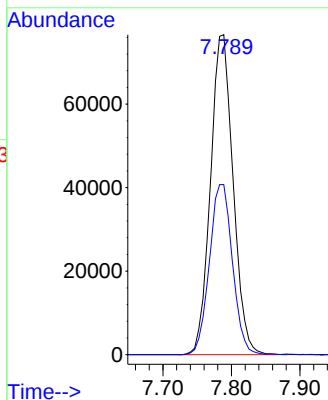
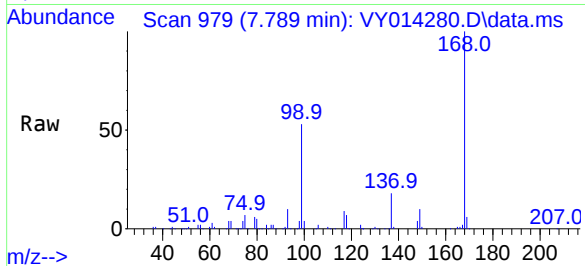




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014280.D
Acq: 20 Jun 2023 13:58

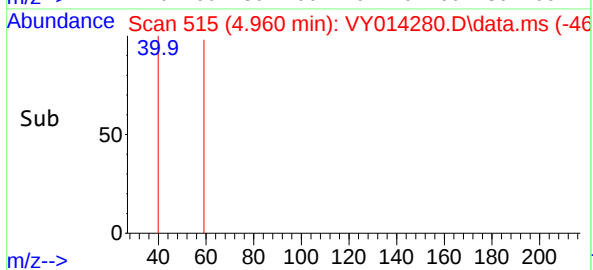
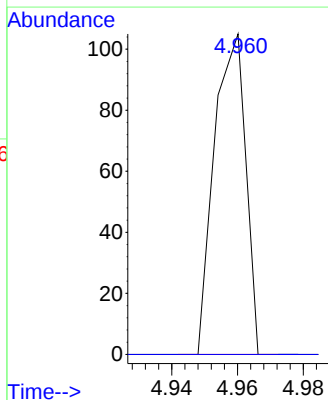
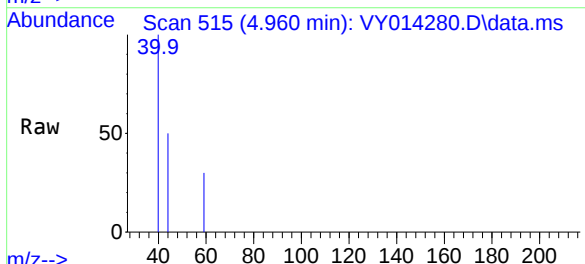
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-1RE

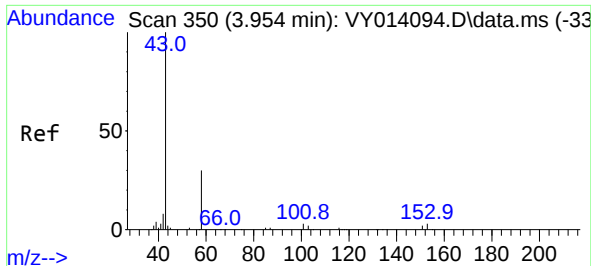
Tgt Ion:168 Resp: 175497
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014280.D
Acq: 20 Jun 2023 13:58

Tgt Ion: 59 Resp: 70
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

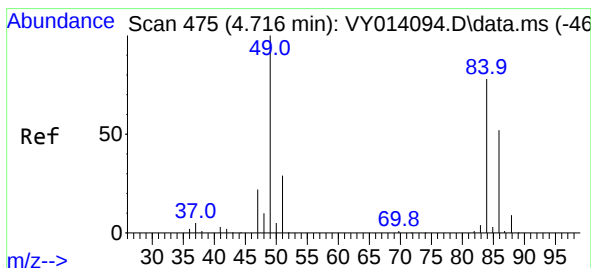
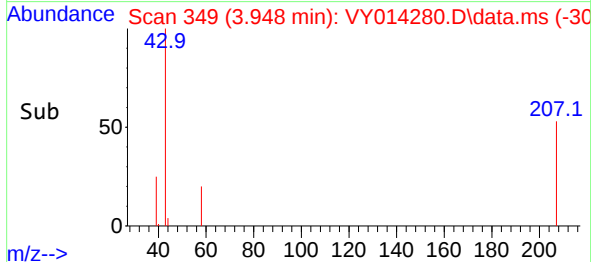
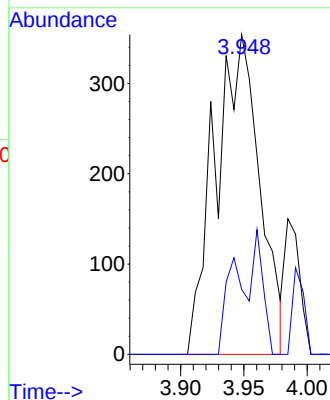
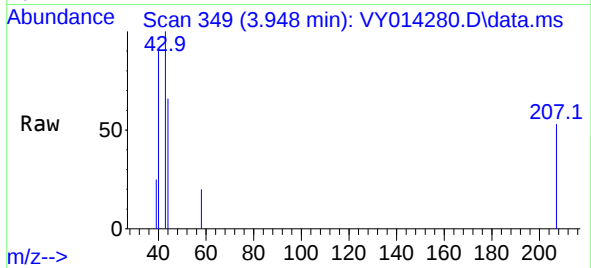




#16
Acetone
Concen: 1.182 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY014280.D
Acq: 20 Jun 2023 13:58

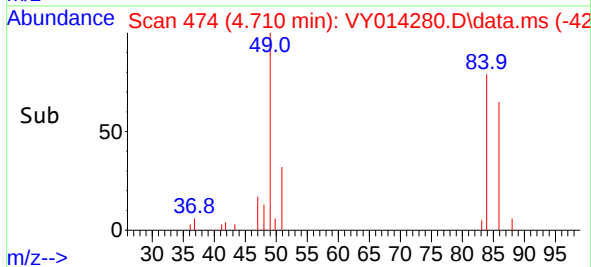
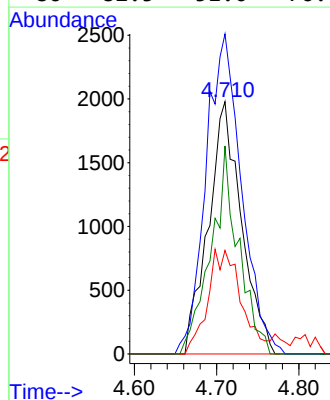
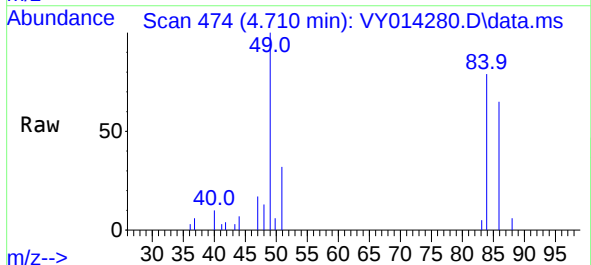
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-1RE

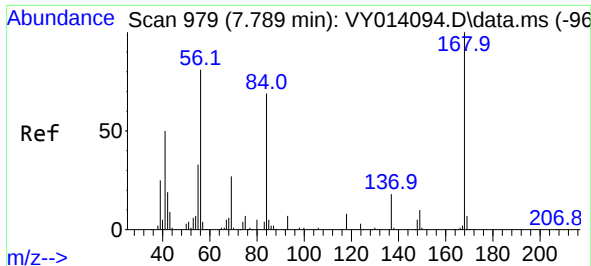
Tgt Ion: 43 Resp: 871
Ion Ratio Lower Upper
43 100
58 20.3 22.7 34.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014280.D
Acq: 20 Jun 2023 13:58

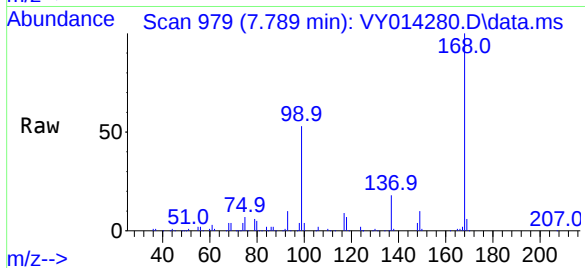
Tgt Ion: 84 Resp: 5541
Ion Ratio Lower Upper
84 100
49 124.2 106.9 160.3
51 41.0 33.2 49.8
86 82.5 51.0 76.6#



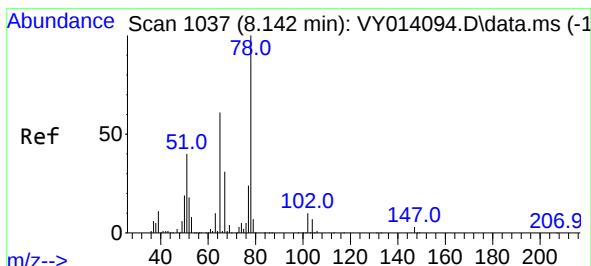
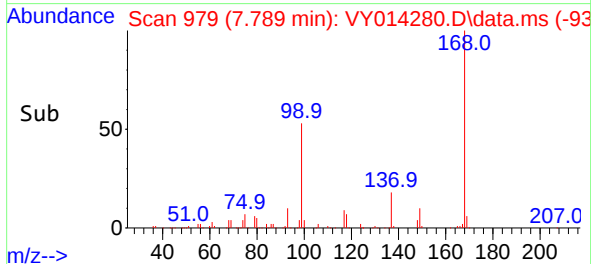
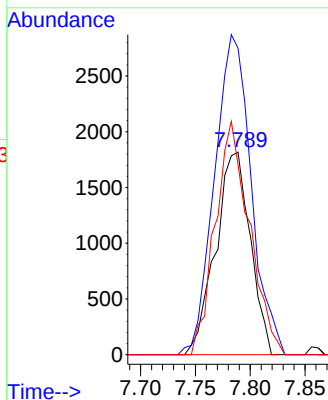


#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014280.D
Acq: 20 Jun 2023 13:58

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

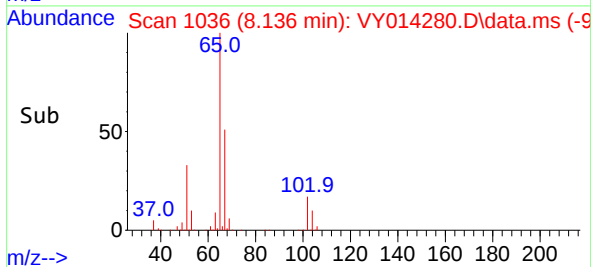
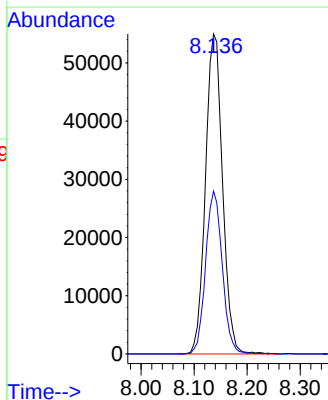
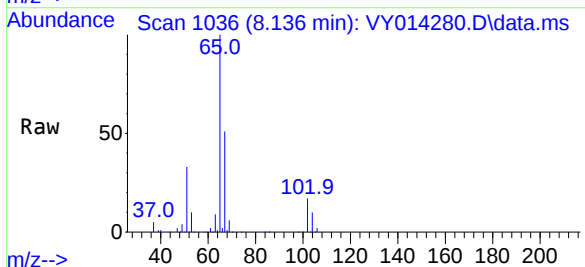


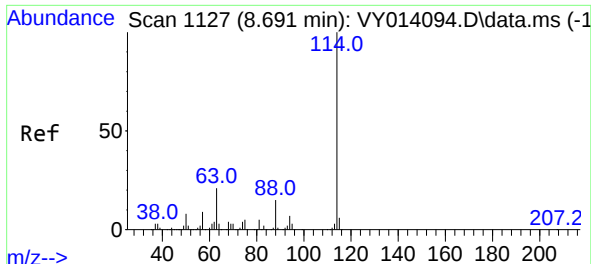
Tgt Ion: 56 Resp: 4008
Ion Ratio Lower Upper
56 100
69 151.2 27.8 41.6#
84 103.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.288 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014280.D
Acq: 20 Jun 2023 13:58

Tgt Ion: 65 Resp: 122894
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014280.D

Acq: 20 Jun 2023 13:58

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-OU3-DENALI-1RE

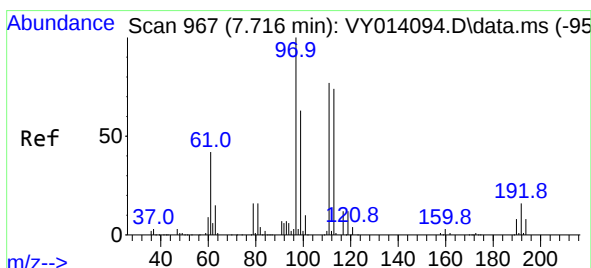
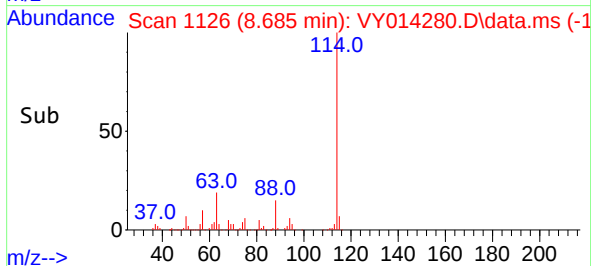
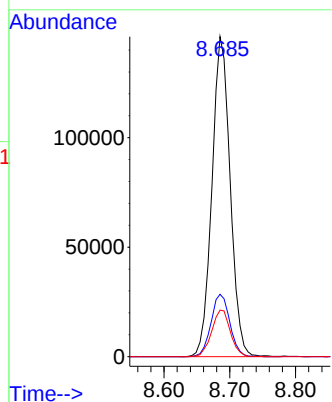
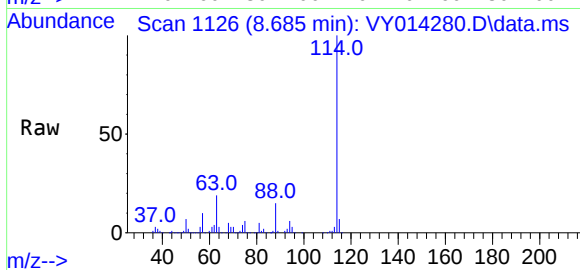
Tgt Ion:114 Resp: 281936

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.465 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014280.D

Acq: 20 Jun 2023 13:58

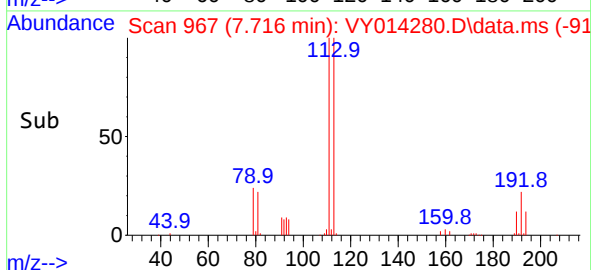
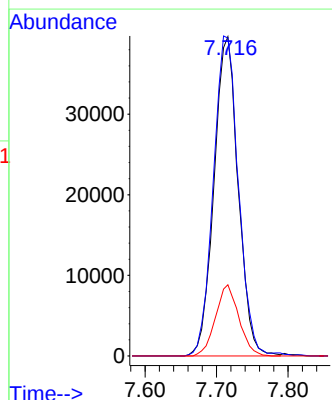
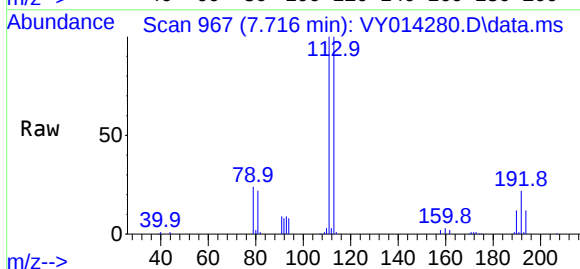
Tgt Ion:113 Resp: 92904

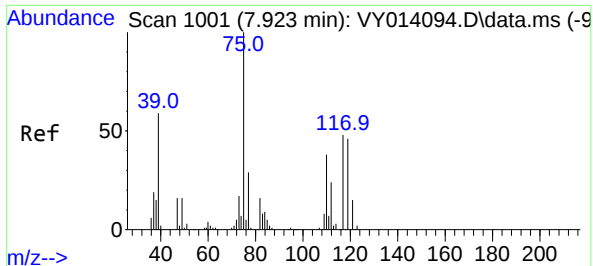
Ion Ratio Lower Upper

113 100

111 104.2 81.3 121.9

192 21.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.211 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY014280.D

Acq: 20 Jun 2023 13:58

Instrument :

MSVOA_Y

ClientSampleId :

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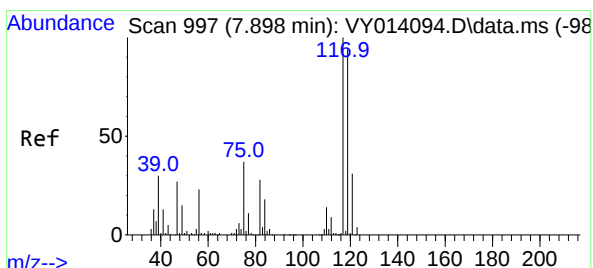
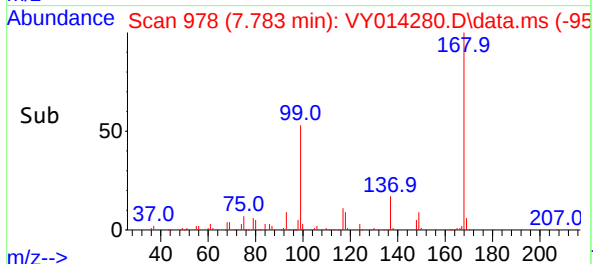
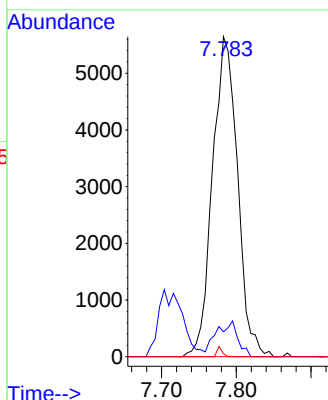
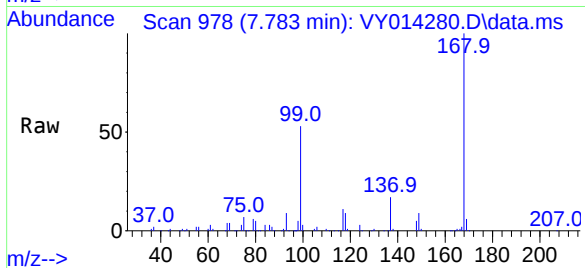
Tgt Ion: 75 Resp: 13125

Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.5#

77 0.7 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.945 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.115 min

Lab File: VY014280.D

Acq: 20 Jun 2023 13:58

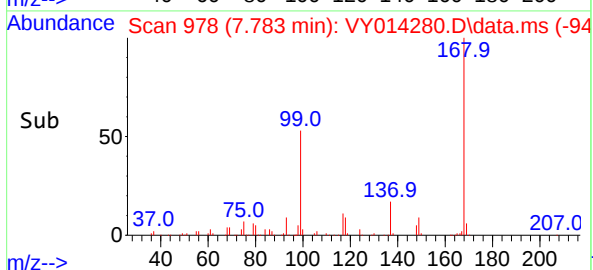
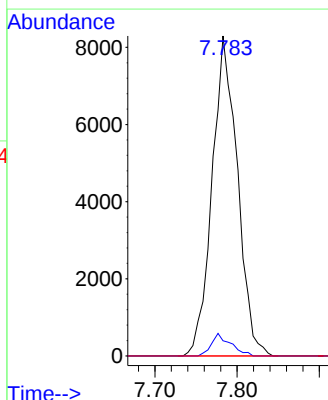
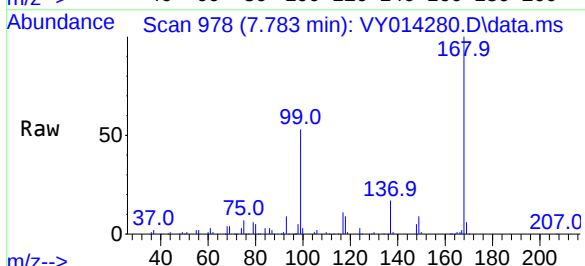
Tgt Ion: 117 Resp: 17786

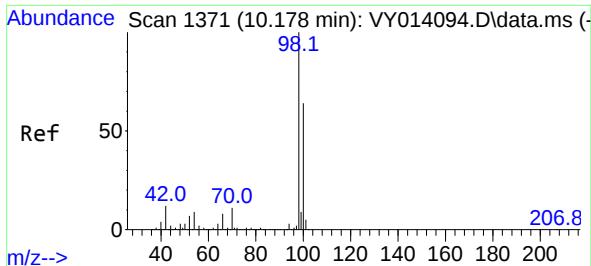
Ion Ratio Lower Upper

117 100

119 4.8 76.4 114.6#

121 0.0 25.8 38.6#

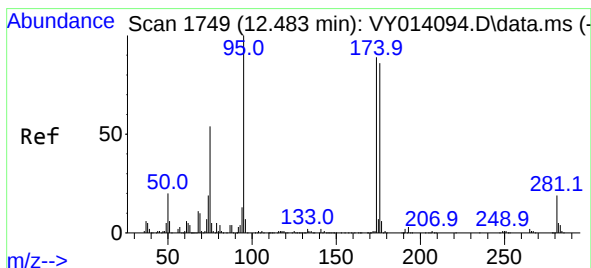
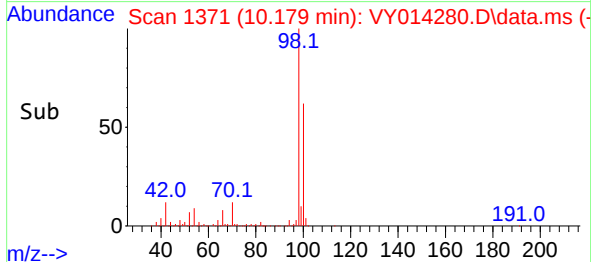
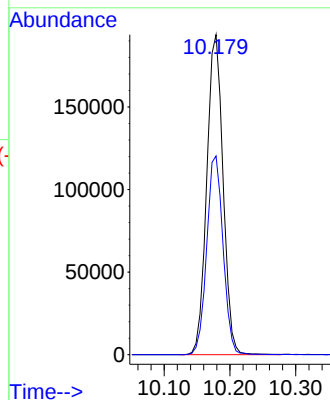
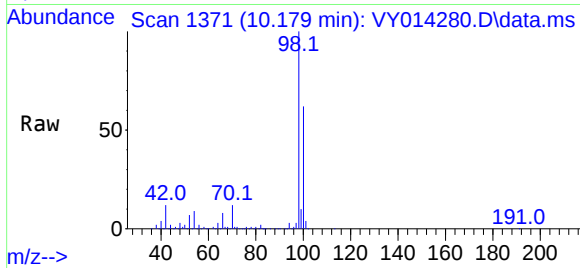




#50
Toluene-d8
Concen: 44.712 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014280.D
Acq: 20 Jun 2023 13:58

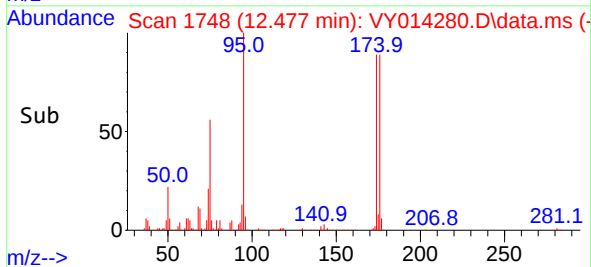
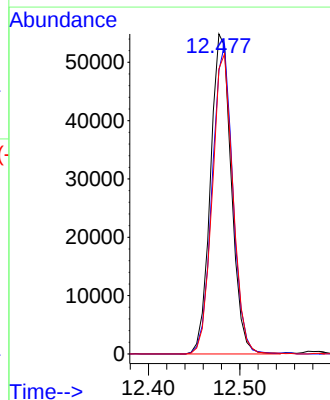
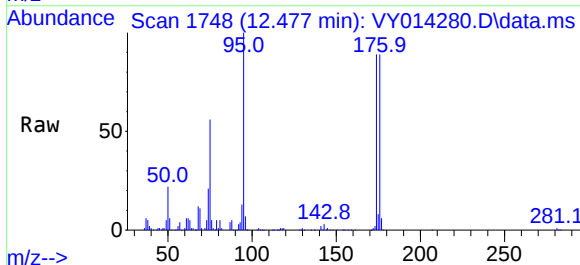
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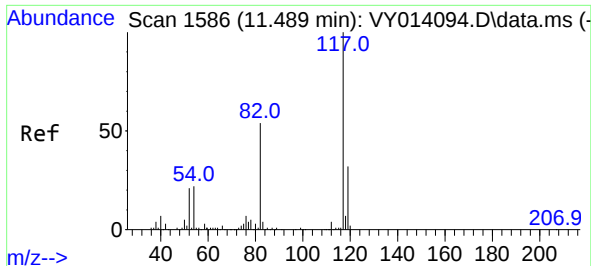
Tgt Ion: 98 Resp: 334227
Ion Ratio Lower Upper
98 100
100 62.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 32.704 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014280.D
Acq: 20 Jun 2023 13:58

Tgt Ion: 95 Resp: 86842
Ion Ratio Lower Upper
95 100
174 95.0 0.0 178.2
176 92.8 0.0 173.8

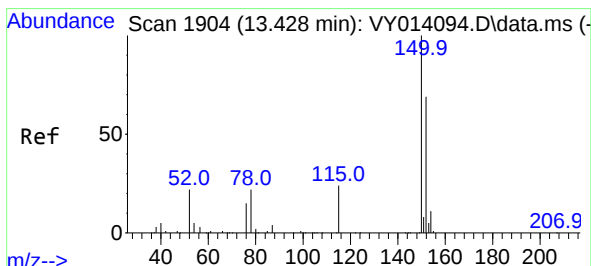
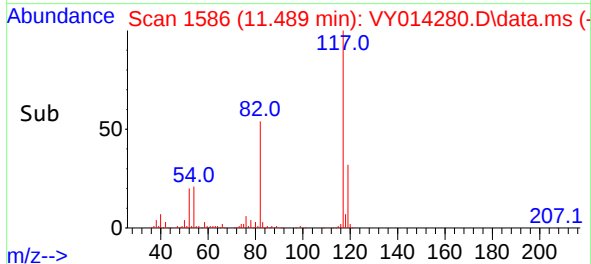
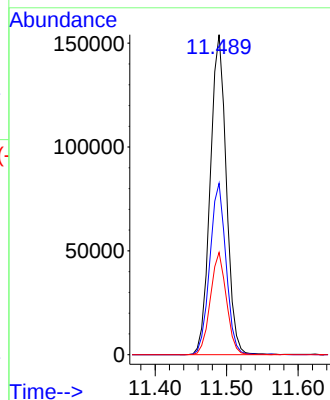
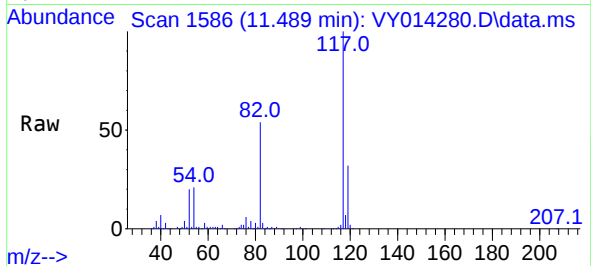




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014280.D
Acq: 20 Jun 2023 13:58

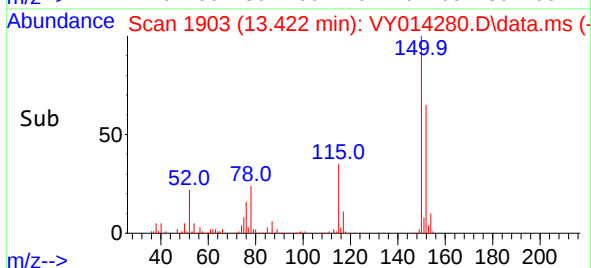
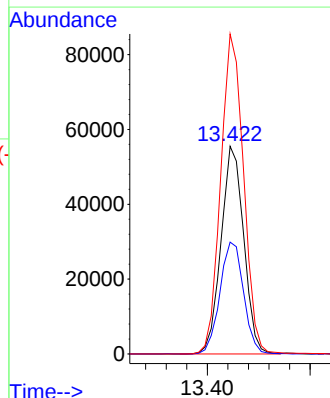
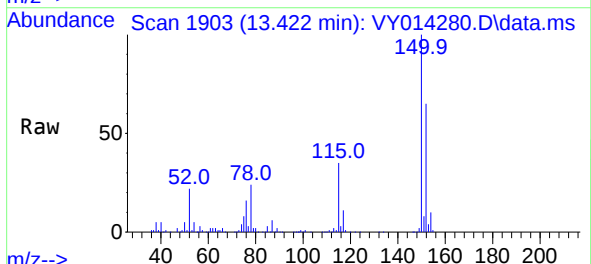
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-1RE

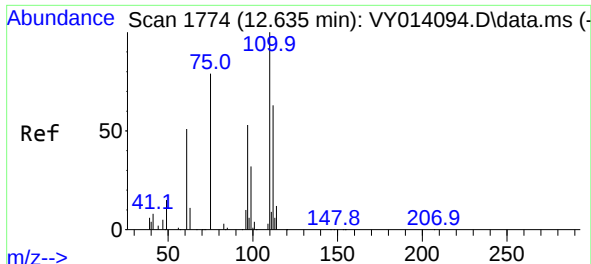
Tgt Ion:117 Resp: 240703
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.0
119 32.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014280.D
Acq: 20 Jun 2023 13:58

Tgt Ion:152 Resp: 84929
Ion Ratio Lower Upper
152 100
115 56.1 28.8 86.5
150 155.7 0.0 348.8

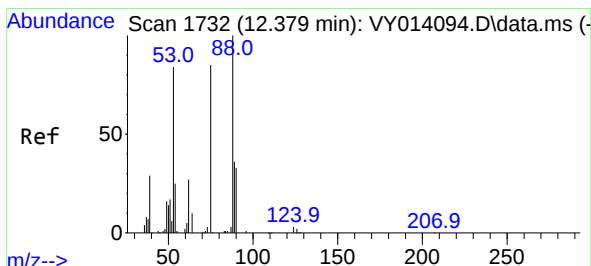
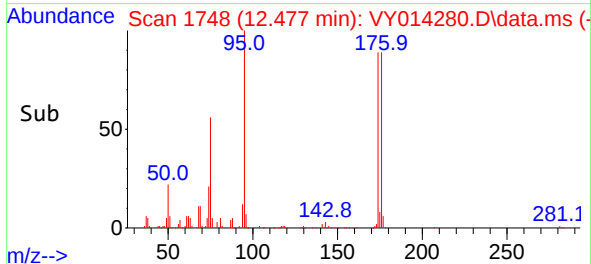
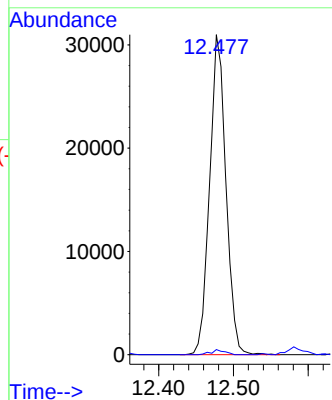
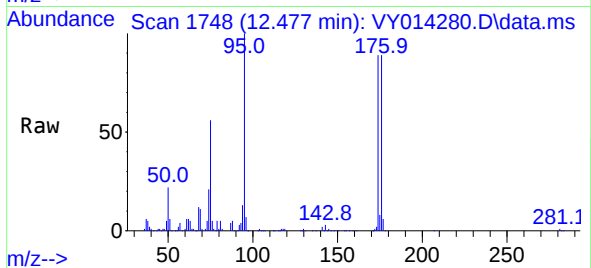




#76
1,2,3-Trichloropropane
Concen: 42.224 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014280.D
Acq: 20 Jun 2023 13:58

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

Tgt Ion: 75 Resp: 47048
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.272 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014280.D
Acq: 20 Jun 2023 13:58

Tgt Ion: 75 Resp: 47048
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

