

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011323\
 Data File : VY012190.D
 Acq On : 13 Jan 2023 14:14
 Operator : KP/MD
 Sample : 01152-01
 Misc : 5.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jan 16 08:18:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

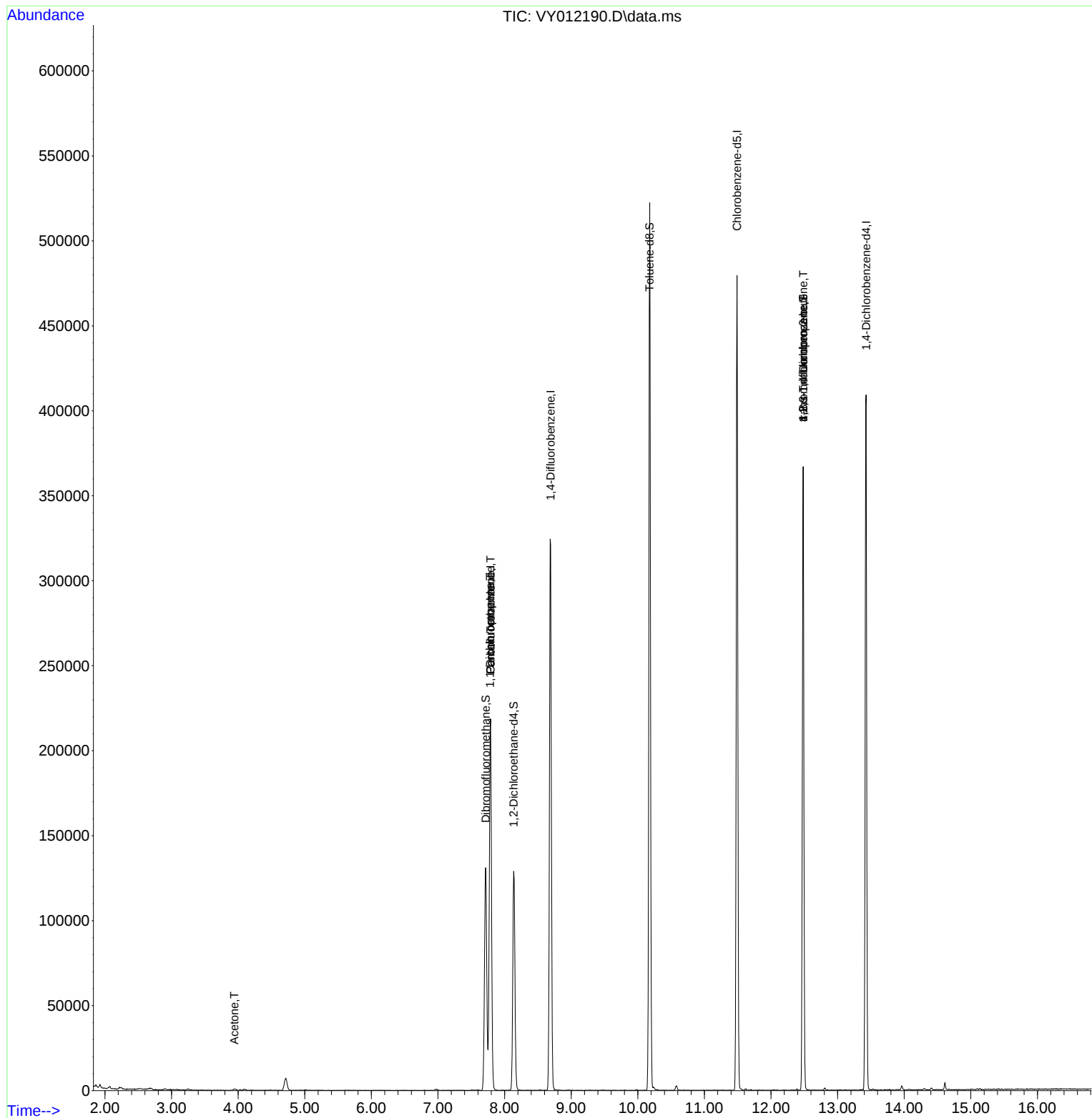
Internal Standards						
1) Pentafluorobenzene	7.789	168	175279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	291308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	270099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	109051	55.369	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.740%	
35) Dibromofluoromethane	7.716	113	89281	46.629	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.260%	
50) Toluene-d8	10.179	98	344956	45.645	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.280%	
62) 4-Bromofluorobenzene	12.483	95	105503	39.938	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.880%	
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	20	Below Cal	#	41
3) Chloromethane	2.125	50	231	Below Cal	#	41
5) Bromomethane	2.662	94	330	Below Cal		93
11) Tert butyl alcohol	4.942	59	232	Below Cal	#	74
16) Acetone	3.942	43	1473	3.179	ug/l #	85
20) Methylene Chloride	4.716	84	6012	Below Cal	#	80
31) Cyclohexane	7.789	56	3041	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	11714	4.032	ug/l #	51
38) Carbon Tetrachloride	7.789	117	17137	4.648	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	57504	44.858	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57504	99.623	ug/l #	13

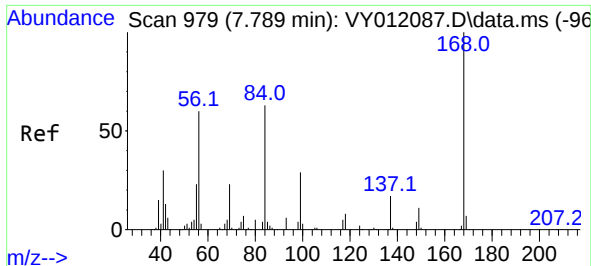
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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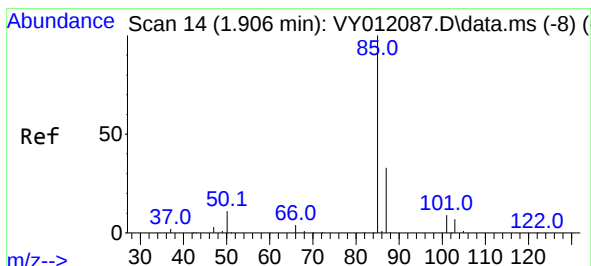
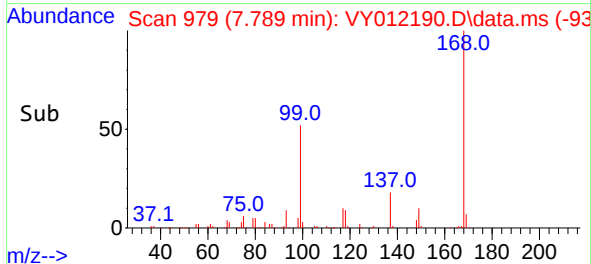
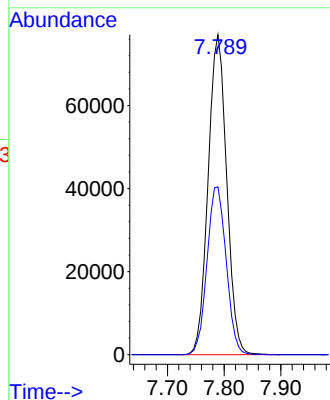
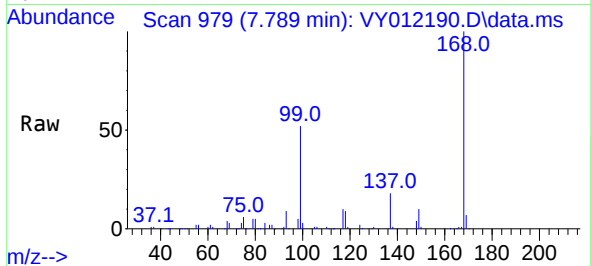




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

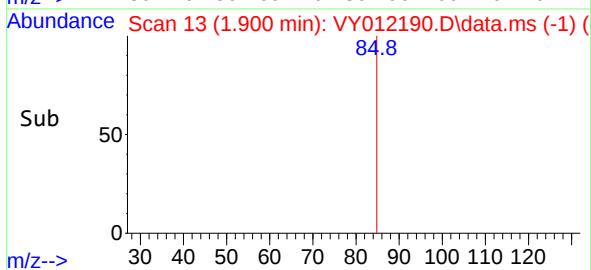
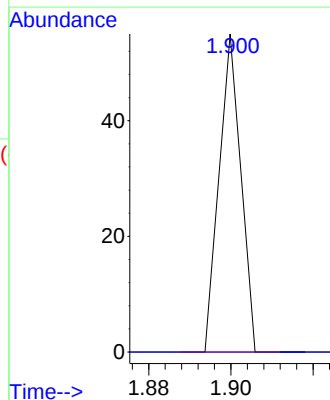
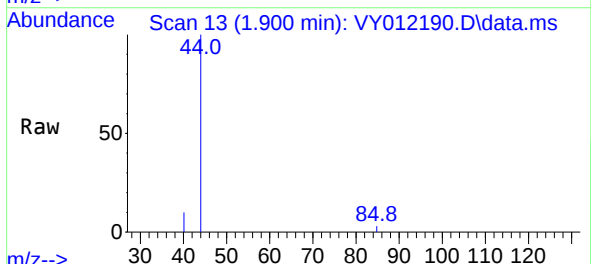
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

Tgt Ion:168 Resp: 175279
Ion Ratio Lower Upper
168 100
99 52.5 44.0 66.0

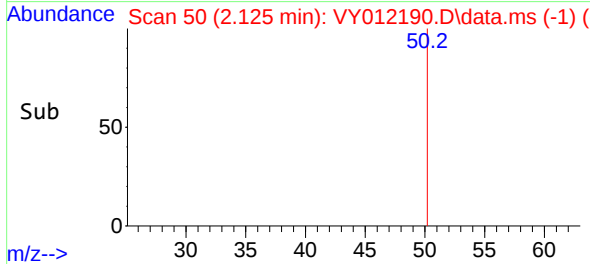
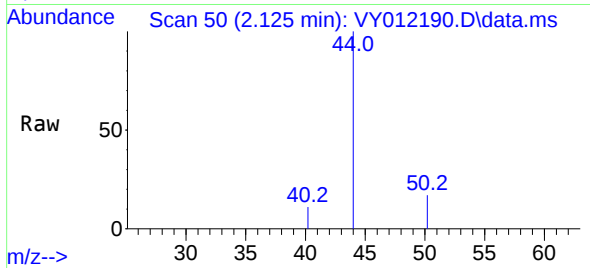
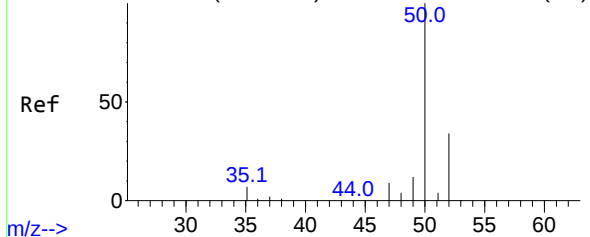


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



#3

Chloromethane

Concen: Below Cal

RT: 2.125 min Scan# 50

Delta R.T. 0.012 min

Lab File: VY012190.D

Acq: 13 Jan 2023 14:14

Instrument :

MSVOA_Y

ClientSampleId :

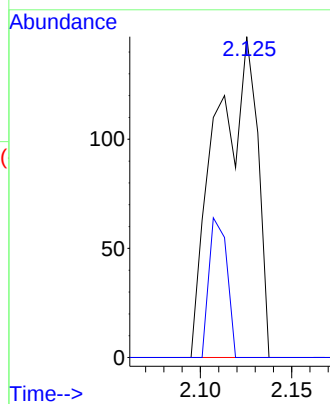
TOPSOIL-STMWTR-DENALI-2

Tgt Ion: 50 Resp: 231

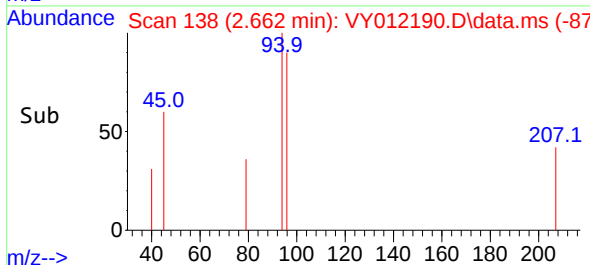
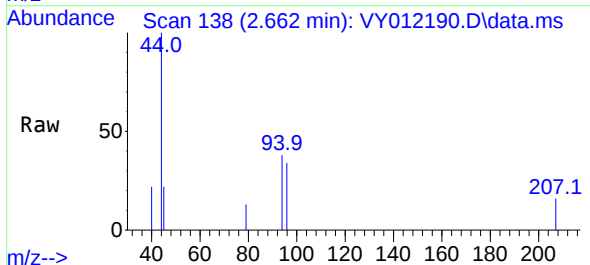
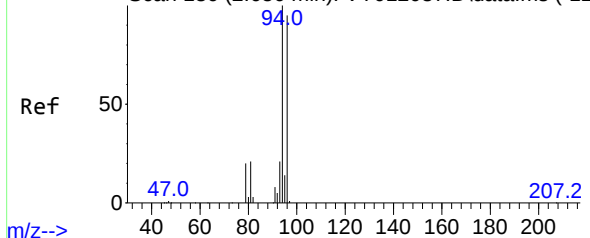
Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



Abundance Scan 136 (2.650 min): VY012087.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.012 min

Lab File: VY012190.D

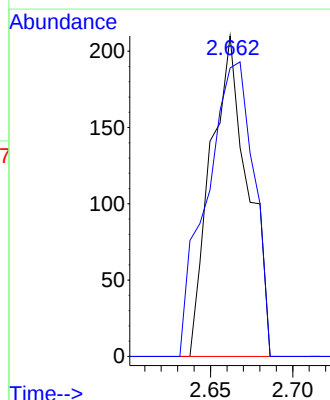
Acq: 13 Jan 2023 14:14

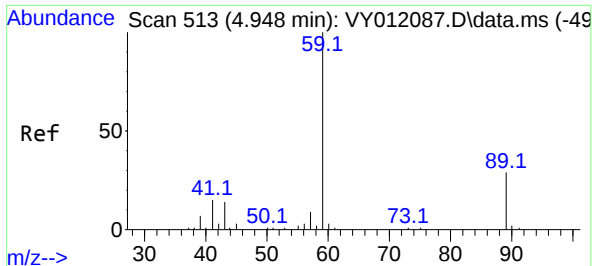
Tgt Ion: 94 Resp: 330

Ion Ratio Lower Upper

94 100

96 90.0 77.4 116.2

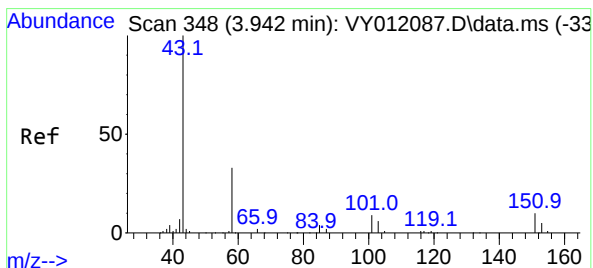
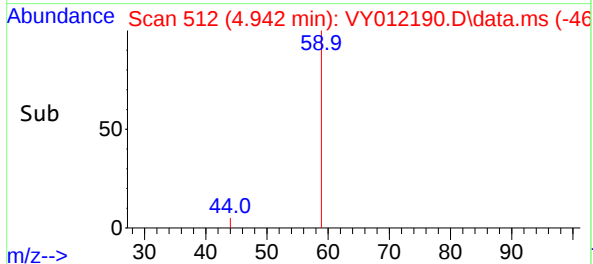
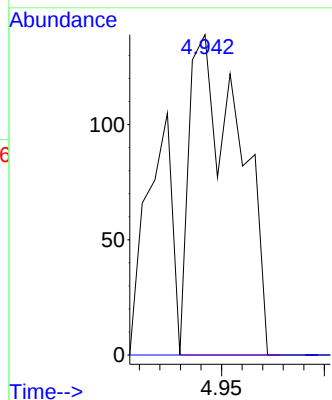
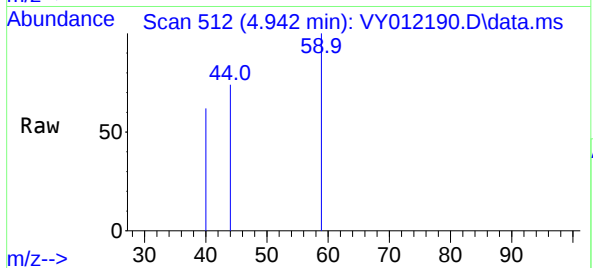




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

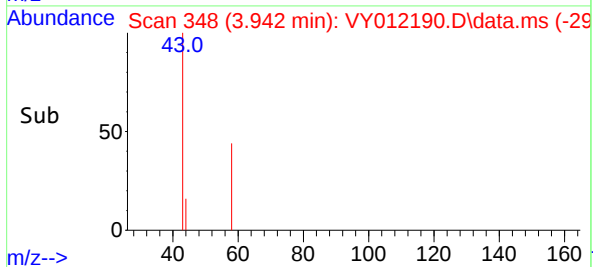
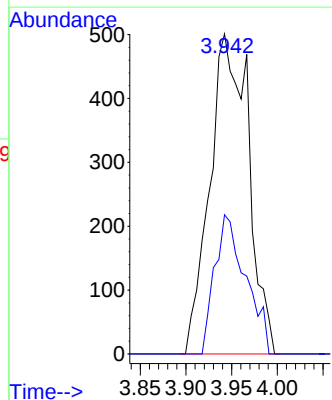
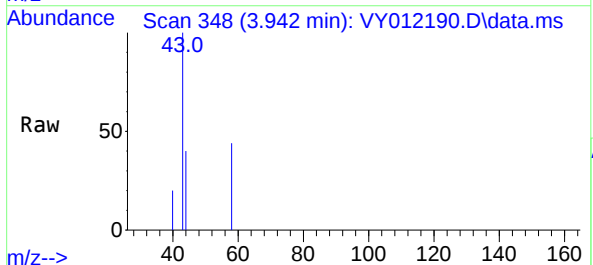
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

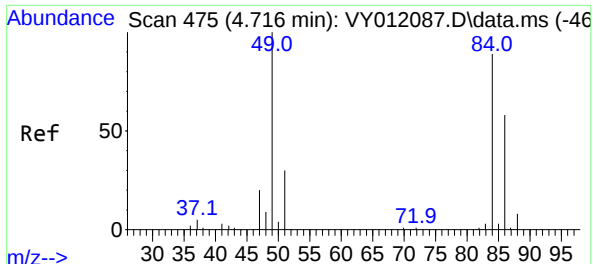
Tgt Ion: 59 Resp: 232
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 3.179 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

Tgt Ion: 43 Resp: 1473
Ion Ratio Lower Upper
43 100
58 43.5 27.9 41.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY012190.D

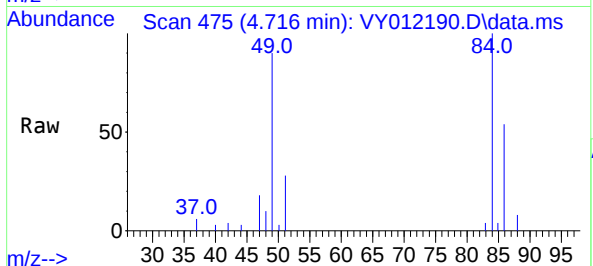
Acq: 13 Jan 2023 14:14

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-STMWTR-DENALI-2



Tgt Ion: 84 Resp: 6012

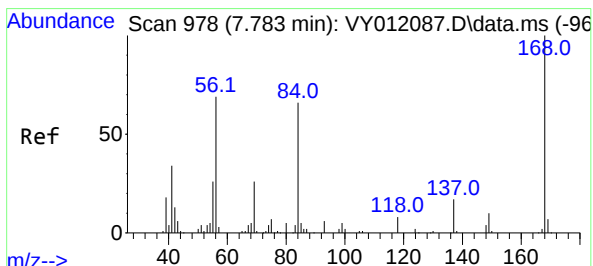
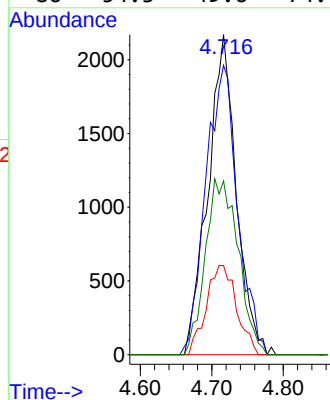
Ion Ratio Lower Upper

84 100

49 90.4 95.4 143.2#

51 27.8 29.9 44.9#

86 54.3 49.6 74.4



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012190.D

Acq: 13 Jan 2023 14:14

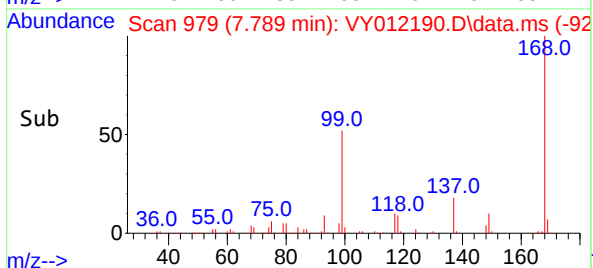
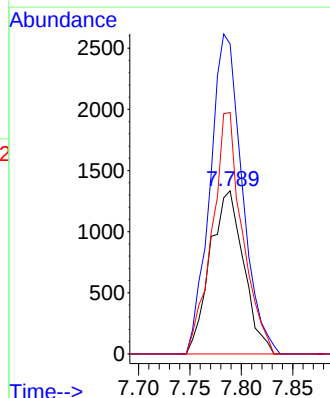
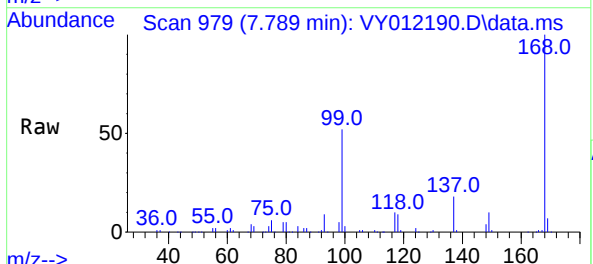
Tgt Ion: 56 Resp: 3041

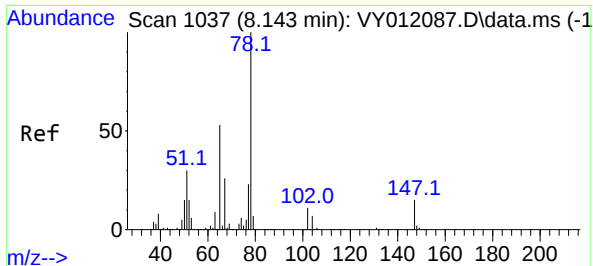
Ion Ratio Lower Upper

56 100

69 189.9 29.2 43.8#

84 147.9 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 55.369 ug/l

RT: 8.136 min Scan# 1037

Delta R.T. -0.007 min

Lab File: VY012190.D

Acq: 13 Jan 2023 14:14

Instrument :

MSVOA_Y

ClientSampleId :

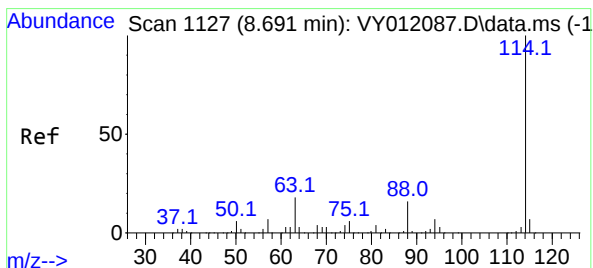
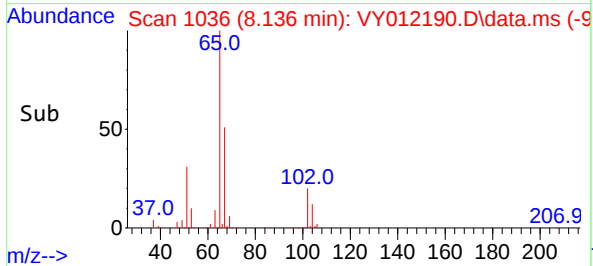
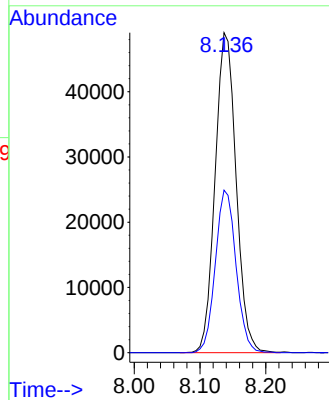
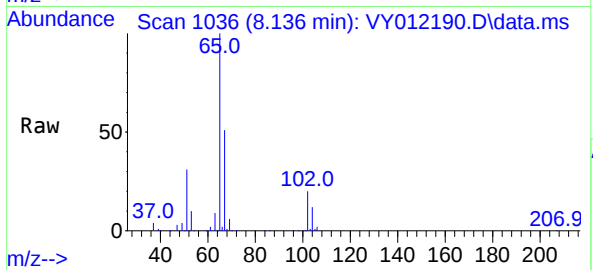
TOPSOIL-STMWTR-DENALI-2

Tgt Ion: 65 Resp: 109051

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012190.D

Acq: 13 Jan 2023 14:14

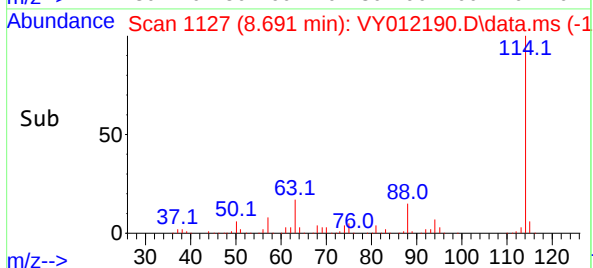
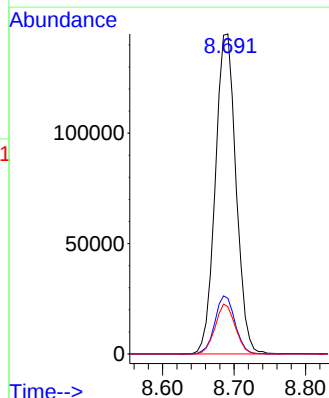
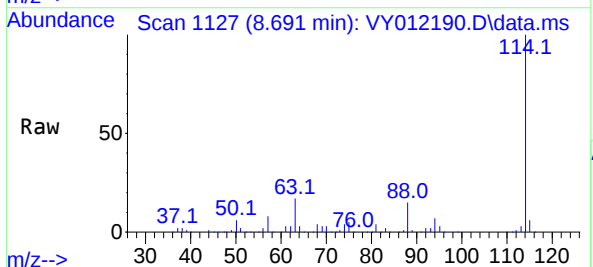
Tgt Ion: 114 Resp: 291308

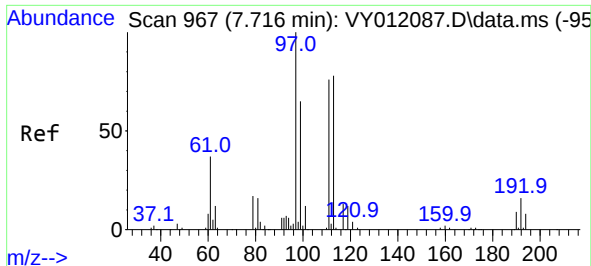
Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.6

88 14.7 0.0 32.2

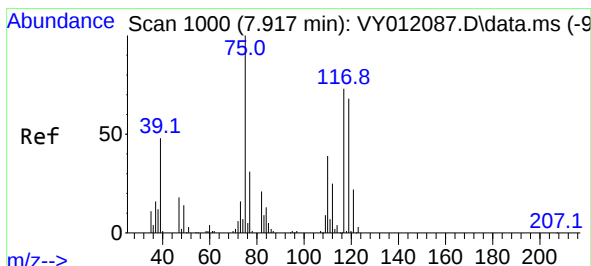
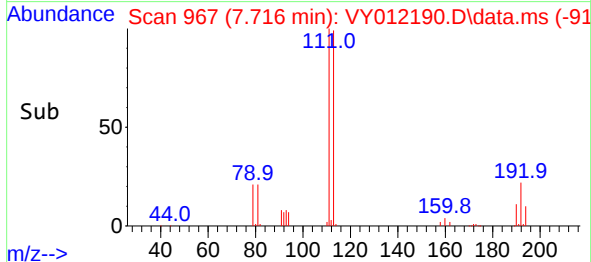
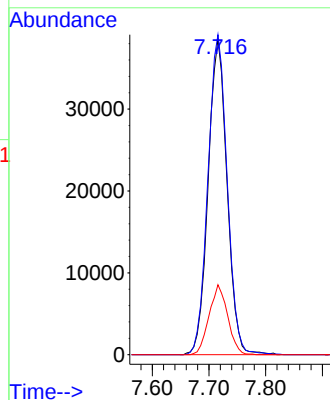
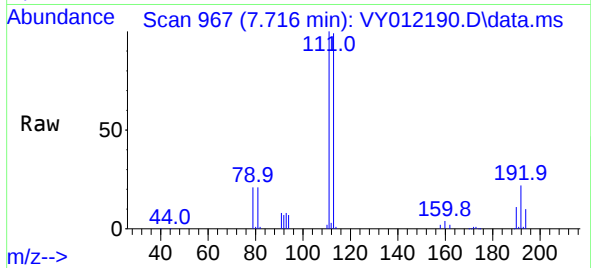




#35
Dibromofluoromethane
Concen: 46.629 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

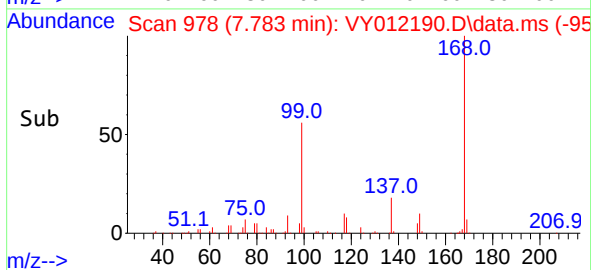
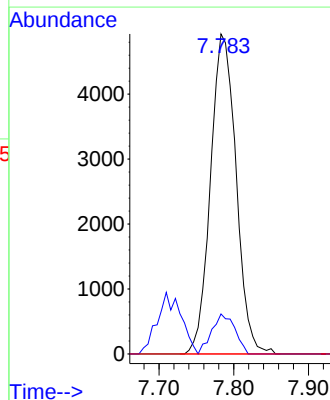
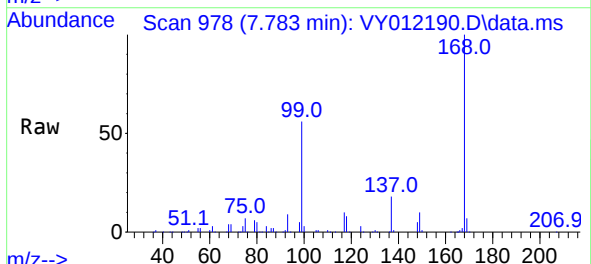
Instrument :
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TOPSOIL-STMWTR-DENALI-2

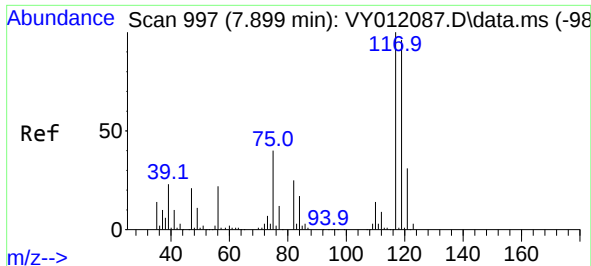
Tgt Ion:113 Resp: 89281
Ion Ratio Lower Upper
113 100
111 103.6 83.0 124.4
192 21.7 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.032 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

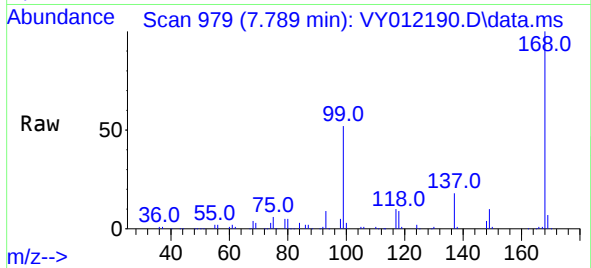
Tgt Ion: 75 Resp: 11714
Ion Ratio Lower Upper
75 100
110 11.3 18.1 54.1#
77 0.0 25.1 37.7#



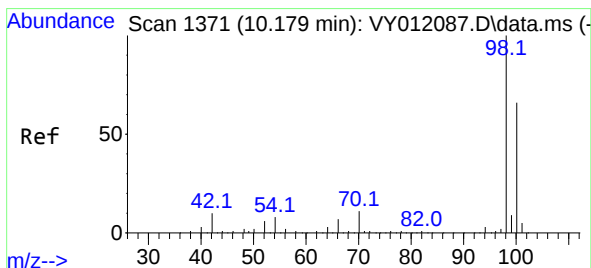
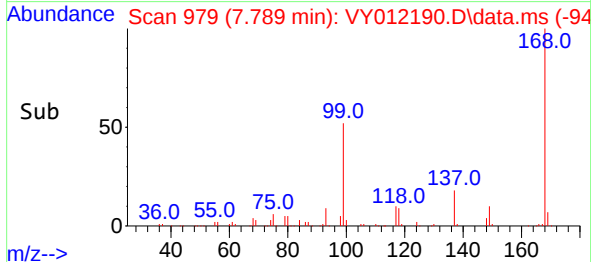
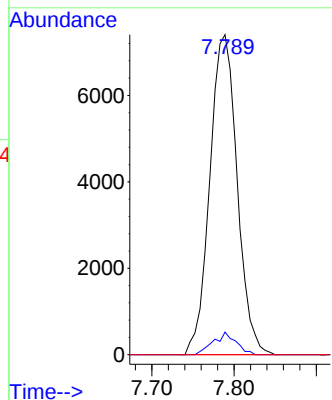


#38
Carbon Tetrachloride
Concen: 4.648 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

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

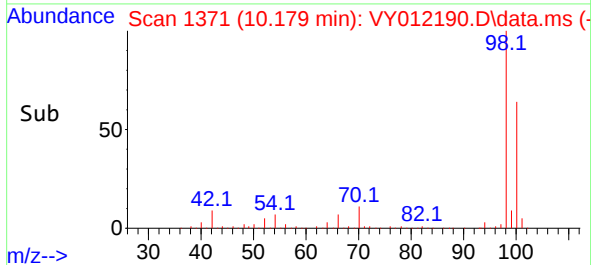
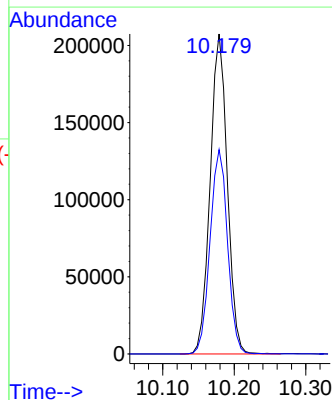
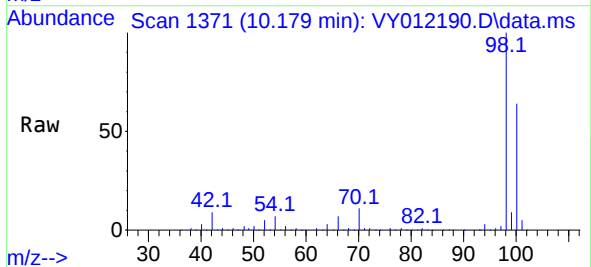


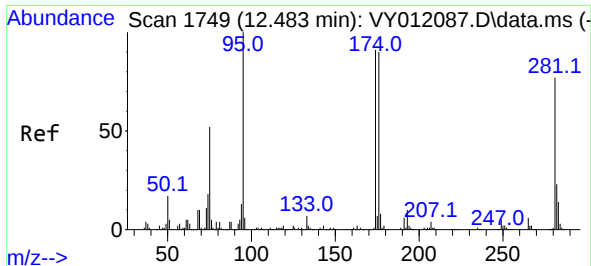
Tgt Ion:117 Resp: 17137
Ion Ratio Lower Upper
117 100
119 7.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 45.645 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

Tgt Ion: 98 Resp: 344956
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

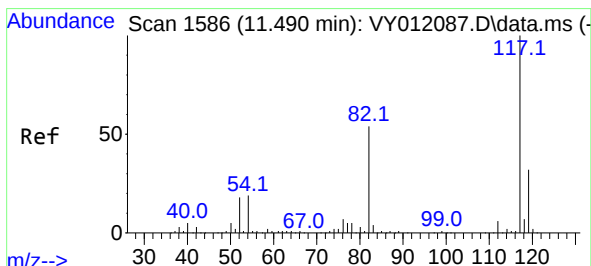
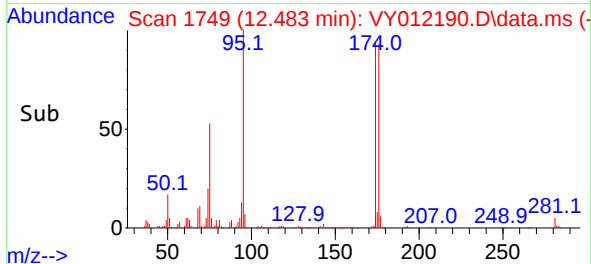
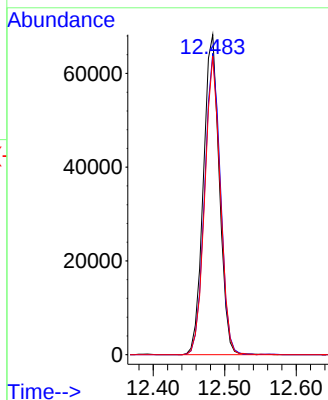
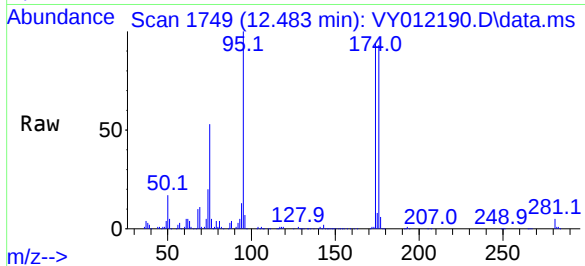




#62
4-Bromofluorobenzene
Concen: 39.938 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

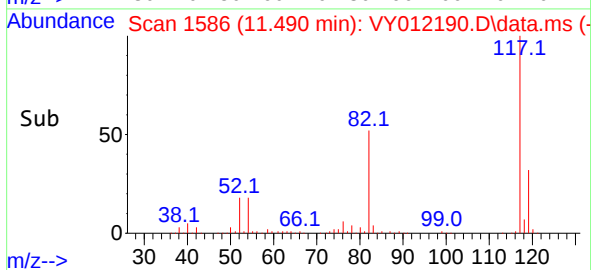
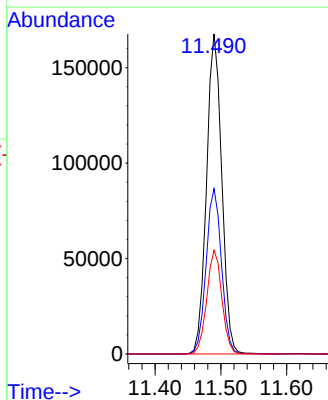
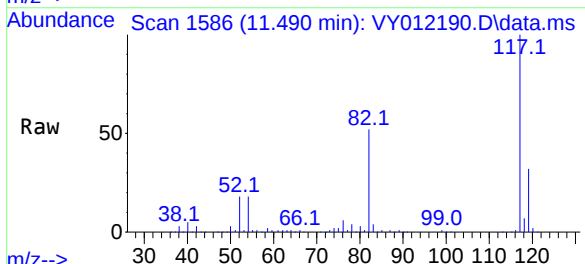
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

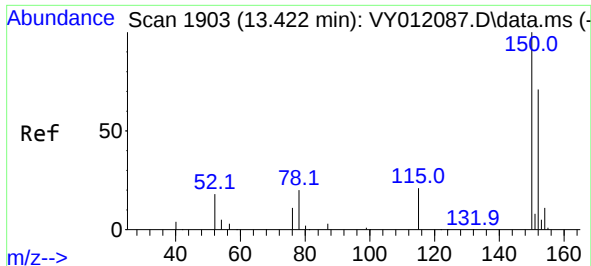
Tgt Ion: 95 Resp: 105503
Ion Ratio Lower Upper
95 100
174 93.5 0.0 172.0
176 90.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

Tgt Ion: 117 Resp: 270099
Ion Ratio Lower Upper
117 100
82 51.6 44.8 67.2
119 32.4 25.4 38.2

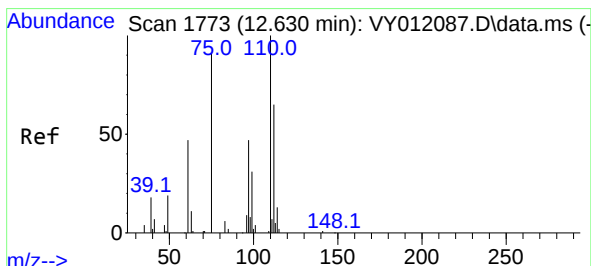
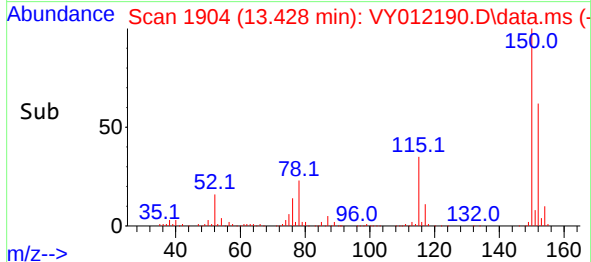
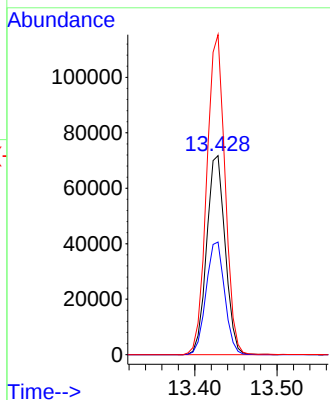
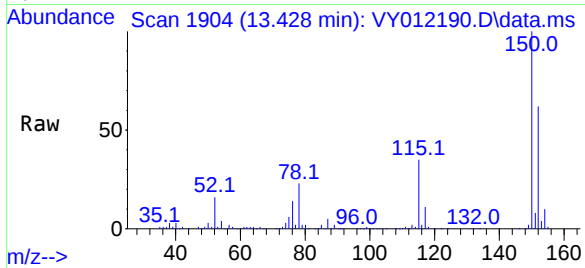




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

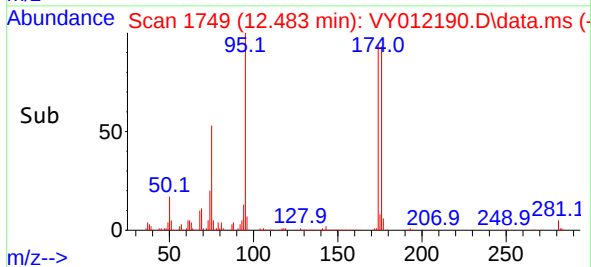
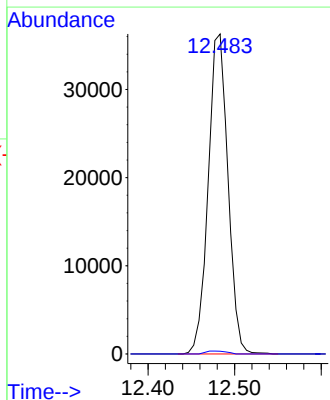
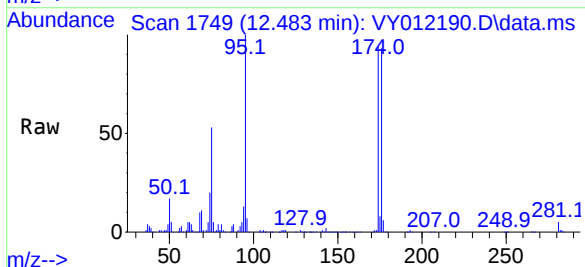
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

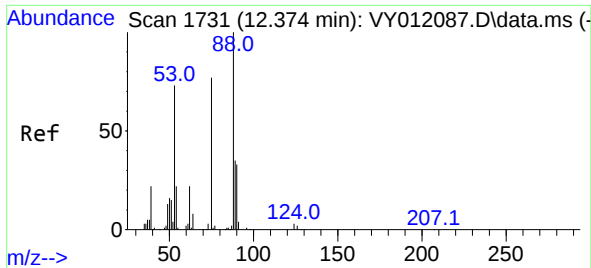
Tgt Ion:152 Resp: 112271
Ion Ratio Lower Upper
152 100
115 56.9 29.1 87.3
150 159.0 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 44.858 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

Tgt Ion: 75 Resp: 57504
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.623 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012190.D
 Acq: 13 Jan 2023 14:14

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

Tgt Ion: 75 Resp: 57504
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

