

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017984.D
 Acq On : 18 Apr 2024 18:25
 Operator : SY/MD
 Sample : P2178-05
 Misc : 3.76g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-LKWD-DENALI-6

Quant Time: Apr 19 02:04:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

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

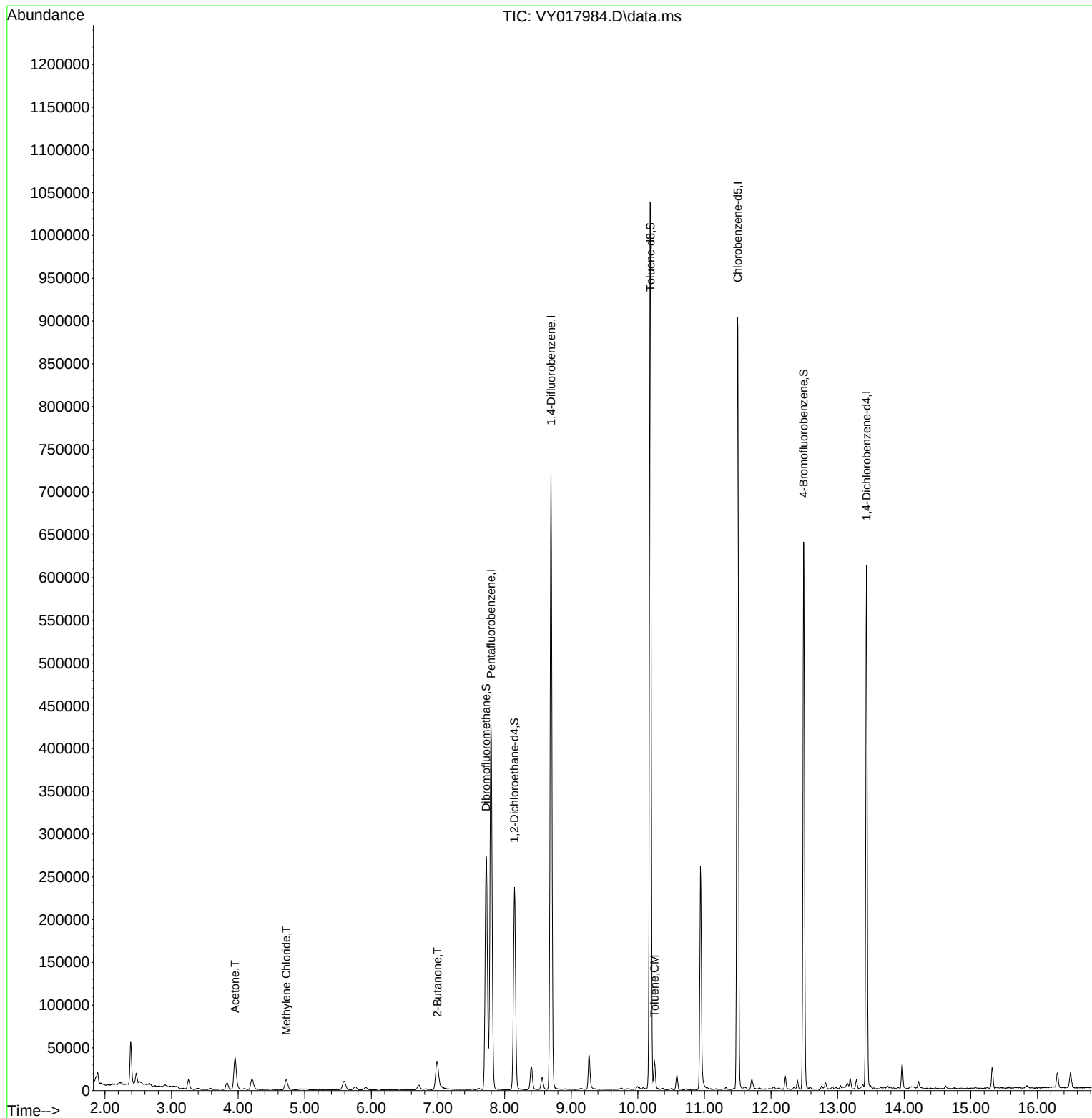
Internal Standards						
1) Pentafluorobenzene	7.795	168	357786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	643837	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	541001	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	165289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	178578	57.677	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.360%
35) Dibromofluoromethane	7.722	113	203919	51.338	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.680%
50) Toluene-d8	10.191	98	725688	48.148	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.300%
62) 4-Bromofluorobenzene	12.489	95	182790	39.159	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.320%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	65095	106.404	ug/l	91
20) Methylene Chloride	4.722	84	9416	2.272	ug/l	91
25) 2-Butanone	6.990	43	9049	10.063	ug/l #	86
52) Toluene	10.252	92	13101	1.180	ug/l	99

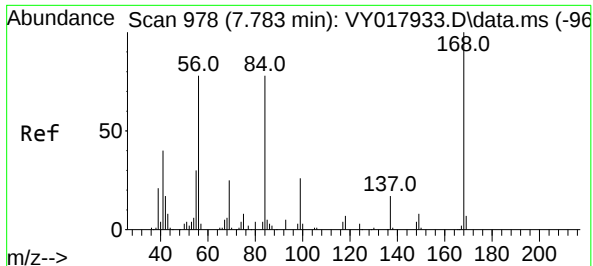
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
Data File : VY017984.D
Acq On : 18 Apr 2024 18:25
Operator : SY/MD
Sample : P2178-05
Misc : 3.76g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-6

Quant Time: Apr 19 02:04:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:24:42 2024
Response via : Initial Calibration

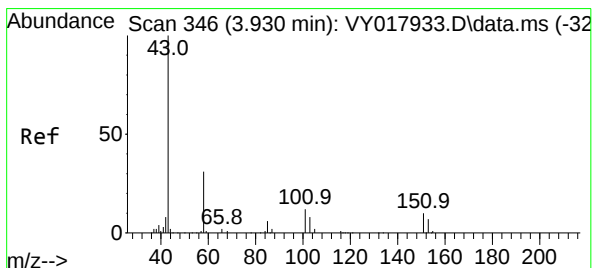
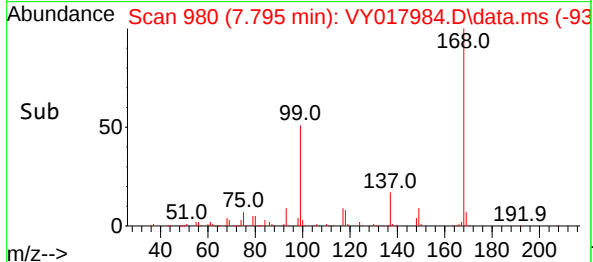
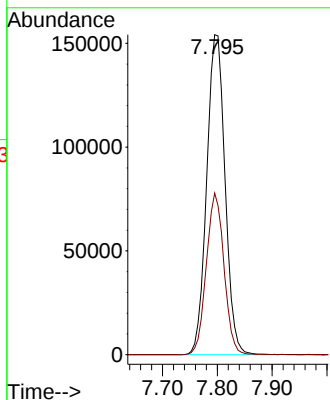
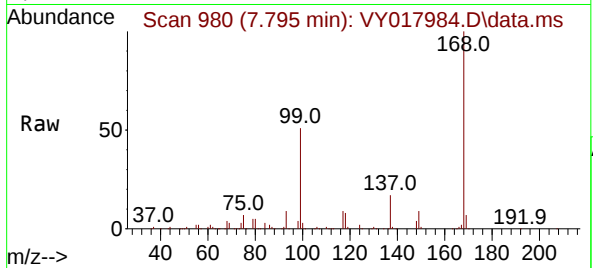




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017984.D
Acq: 18 Apr 2024 18:25

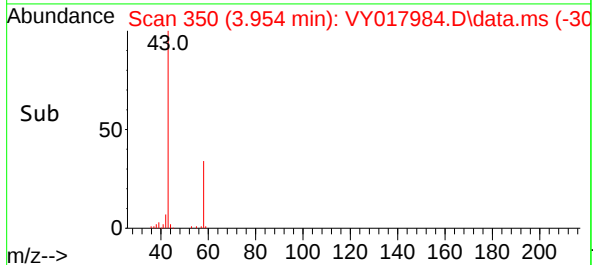
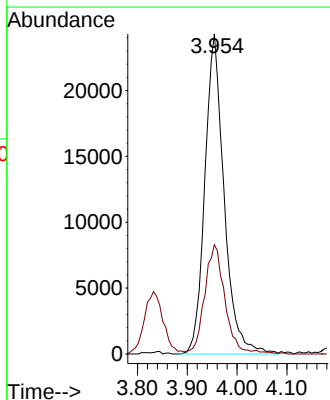
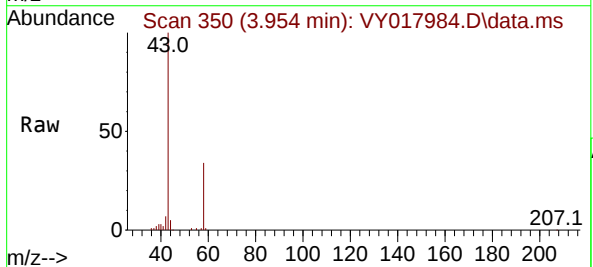
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-6

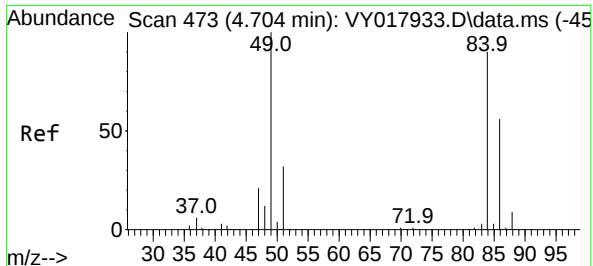
Tgt Ion:168 Resp: 357786
Ion Ratio Lower Upper
168 100
99 50.5 39.1 58.7



#16
Acetone
Concen: 106.404 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY017984.D
Acq: 18 Apr 2024 18:25

Tgt Ion: 43 Resp: 65095
Ion Ratio Lower Upper
43 100
58 33.9 31.7 47.5





#20

Methylene Chloride

Concen: 2.272 ug/l

RT: 4.722 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY017984.D

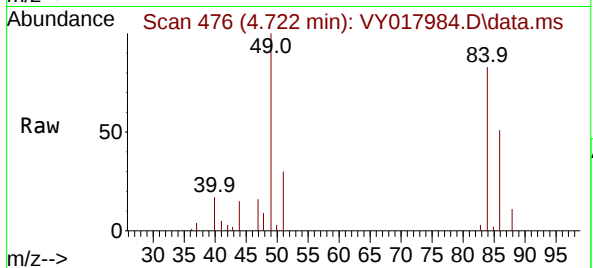
Acq: 18 Apr 2024 18:25

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-LKWD-DENALI-6



Tgt Ion: 84 Resp: 9416

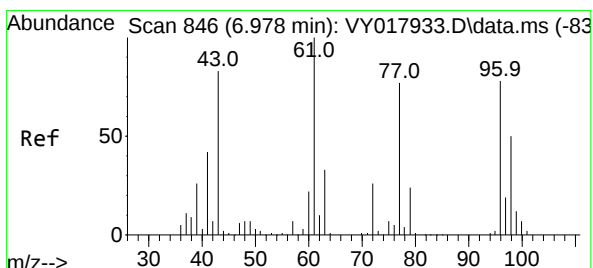
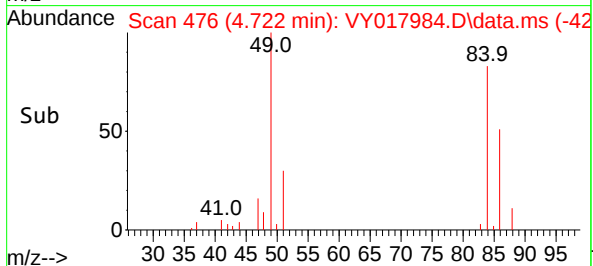
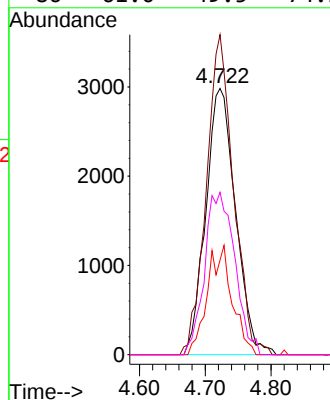
Ion Ratio Lower Upper

84 100

49 120.2 84.4 126.6

51 35.5 26.0 39.0

86 61.0 49.5 74.3



#25

2-Butanone

Concen: 10.063 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY017984.D

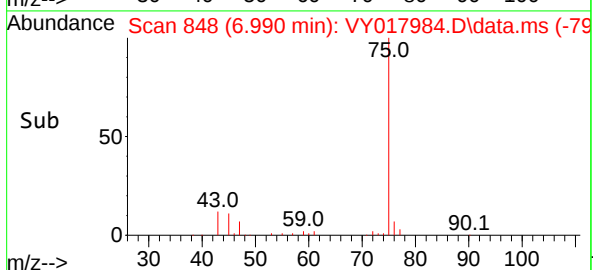
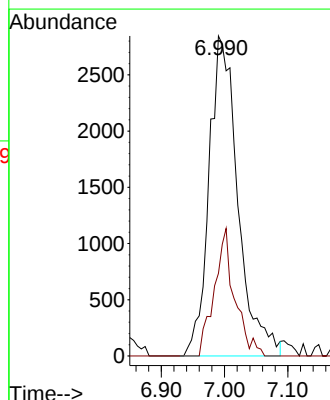
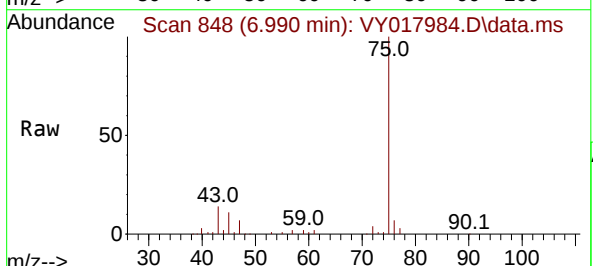
Acq: 18 Apr 2024 18:25

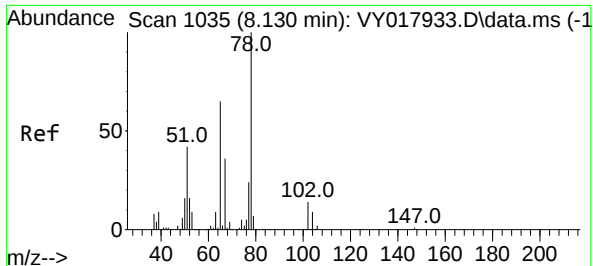
Tgt Ion: 43 Resp: 9049

Ion Ratio Lower Upper

43 100

72 25.8 27.3 40.9#





#33

1,2-Dichloroethane-d4

Concen: 57.677 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY017984.D

Acq: 18 Apr 2024 18:25

Instrument :

MSVOA_Y

ClientSampleId :

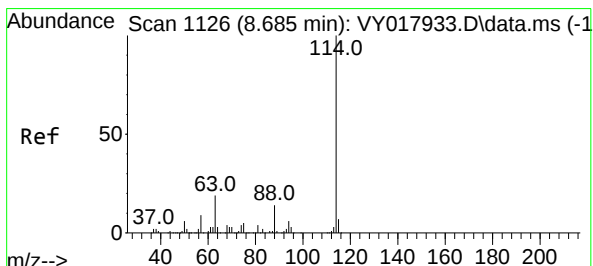
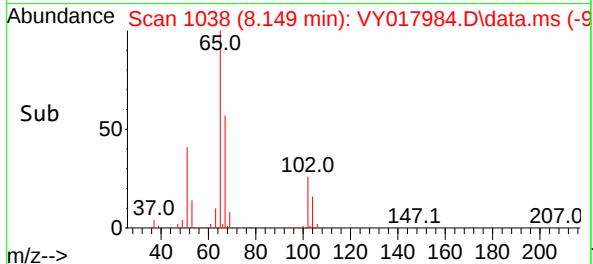
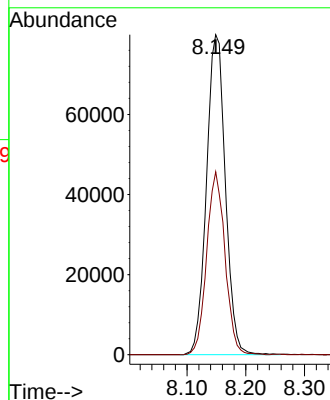
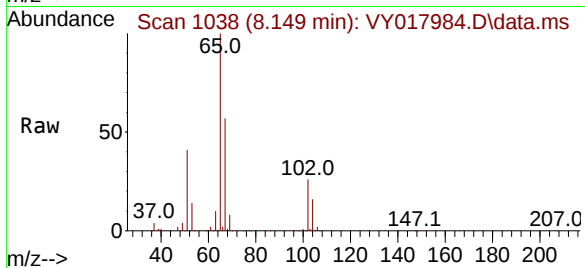
TOPSOIL-LKWD-DENALI-6

Tgt Ion: 65 Resp: 178578

Ion Ratio Lower Upper

65 100

67 55.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017984.D

Acq: 18 Apr 2024 18:25

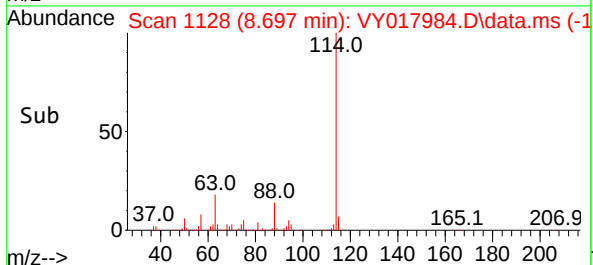
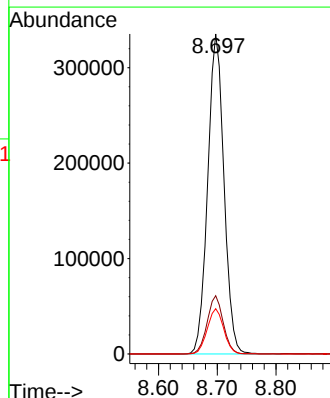
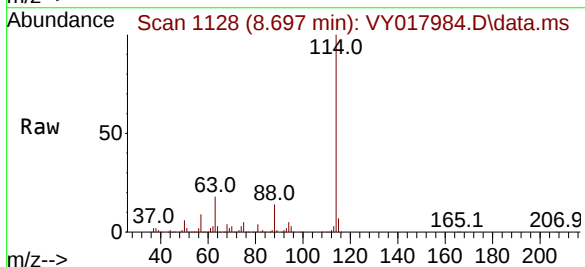
Tgt Ion: 114 Resp: 643837

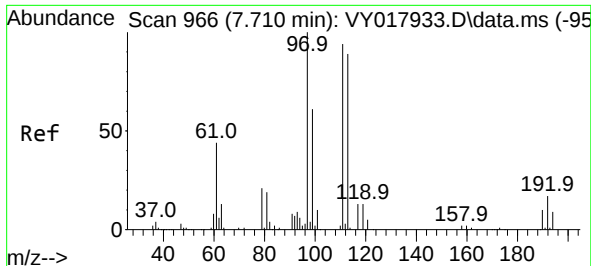
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 14.1 0.0 27.2

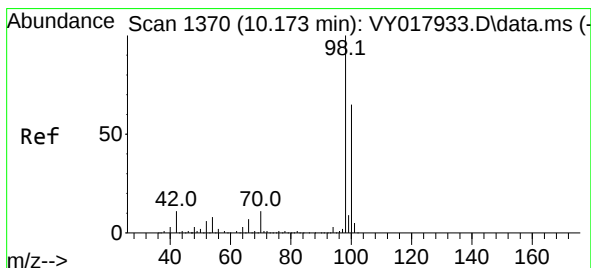
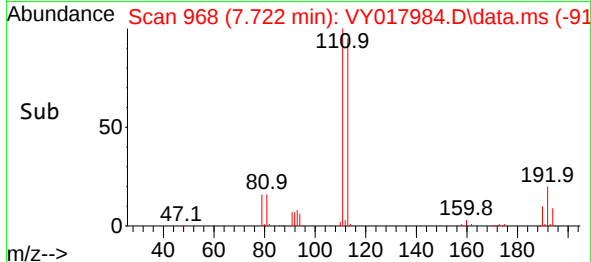
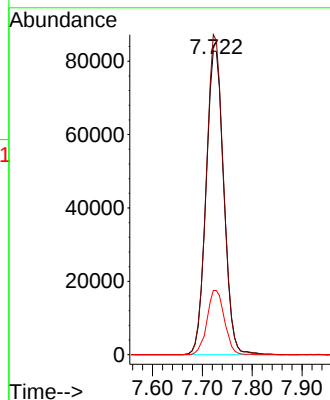
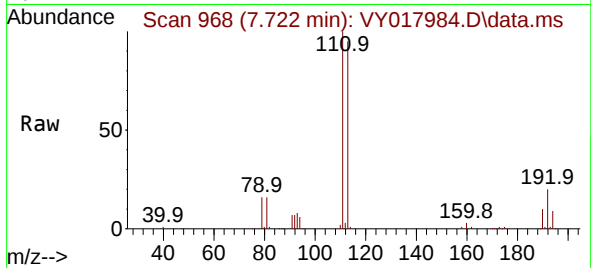




#35
Dibromofluoromethane
Concen: 51.338 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017984.D
Acq: 18 Apr 2024 18:25

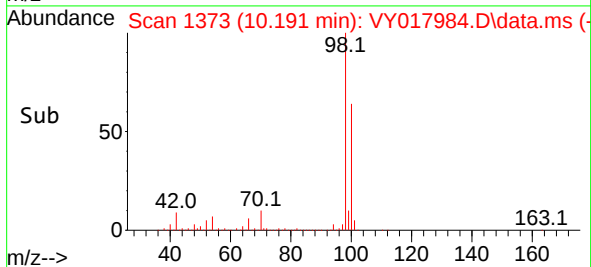
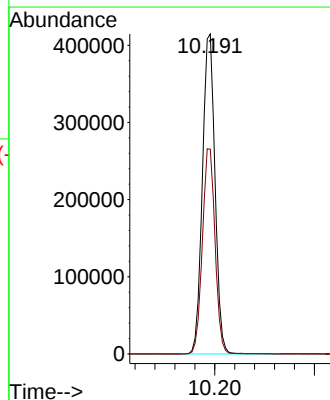
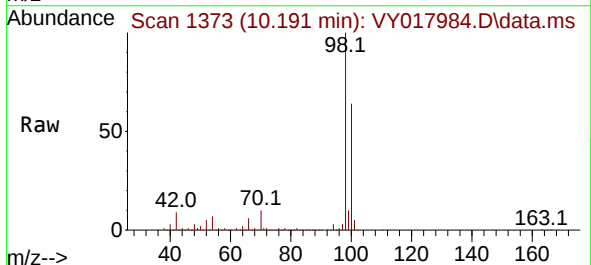
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-6

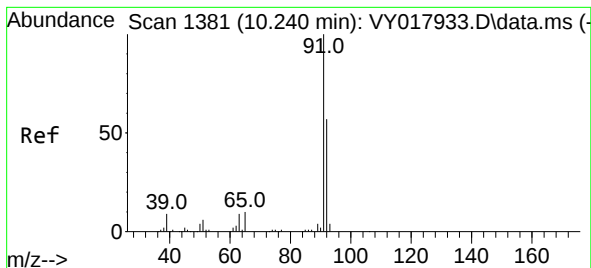
Tgt Ion:113 Resp: 203919
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 20.8 15.9 23.9



#50
Toluene-d8
Concen: 48.148 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.012 min
Lab File: VY017984.D
Acq: 18 Apr 2024 18:25

Tgt Ion: 98 Resp: 725688
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0





#52

Toluene

Concen: 1.180 ug/l

RT: 10.252 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017984.D

Acq: 18 Apr 2024 18:25

Instrument :

MSVOA_Y

ClientSampleId :

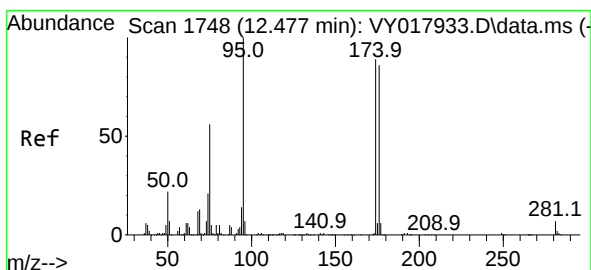
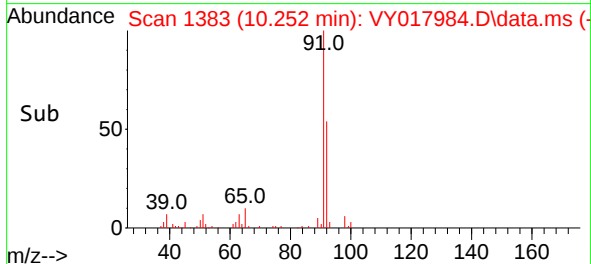
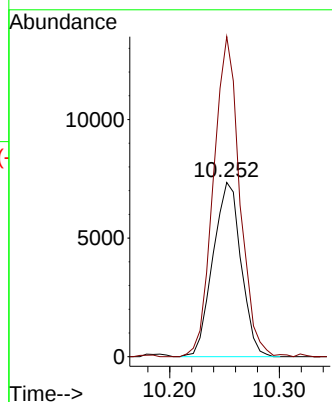
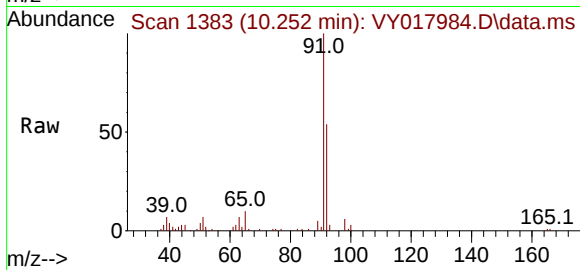
TOPSOIL-LKWD-DENALI-6

Tgt Ion: 92 Resp: 13101

Ion Ratio Lower Upper

92 100

91 172.2 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 39.159 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY017984.D

Acq: 18 Apr 2024 18:25

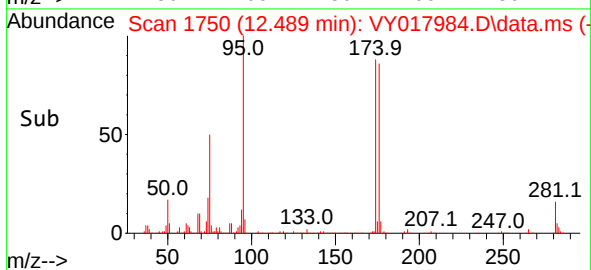
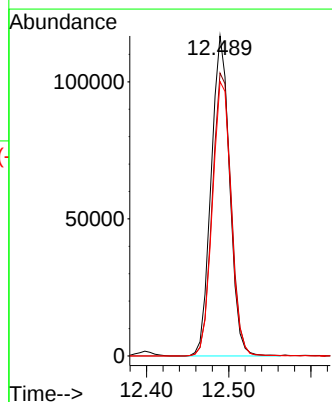
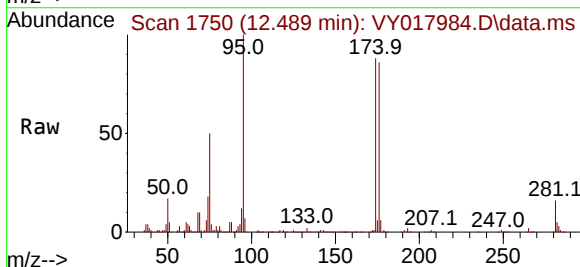
Tgt Ion: 95 Resp: 182790

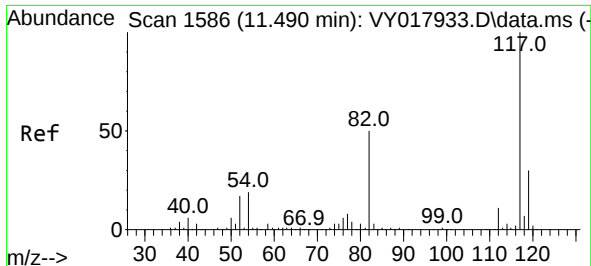
Ion Ratio Lower Upper

95 100

174 90.2 0.0 175.6

176 86.9 0.0 171.4

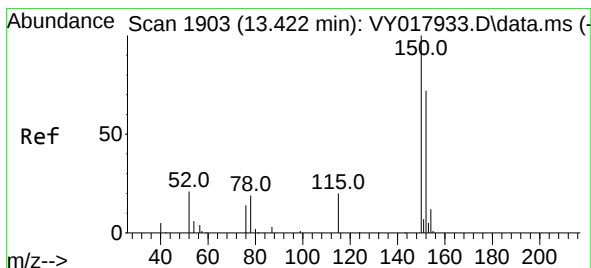
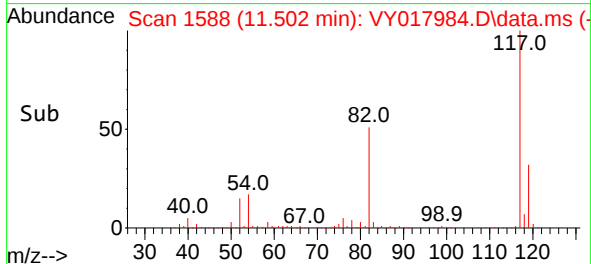
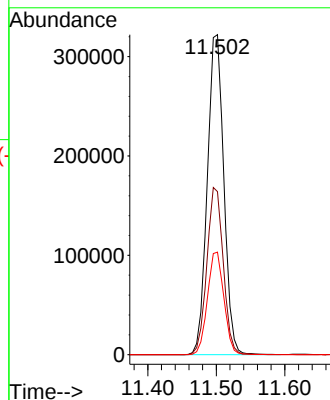
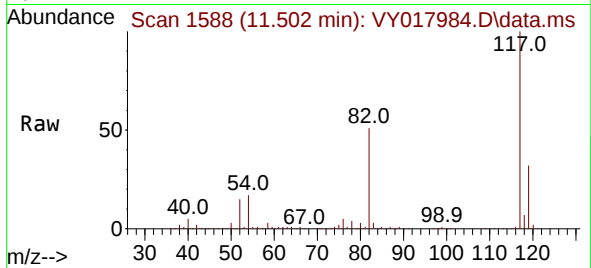




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY017984.D
Acq: 18 Apr 2024 18:25

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-6

Tgt Ion:117 Resp: 541001
Ion Ratio Lower Upper
117 100
82 51.0 42.4 63.6
119 32.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY017984.D
Acq: 18 Apr 2024 18:25

Tgt Ion:152 Resp: 165289
Ion Ratio Lower Upper
152 100
115 54.2 28.2 84.7
150 157.1 0.0 345.6

