

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041924\
 Data File : VY017996.D
 Acq On : 19 Apr 2024 14:10
 Operator : SY/MD
 Sample : P2178-03
 Misc : 3.85g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-LKWD-DENALI-5

Quant Time: Apr 19 23:24:50 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)

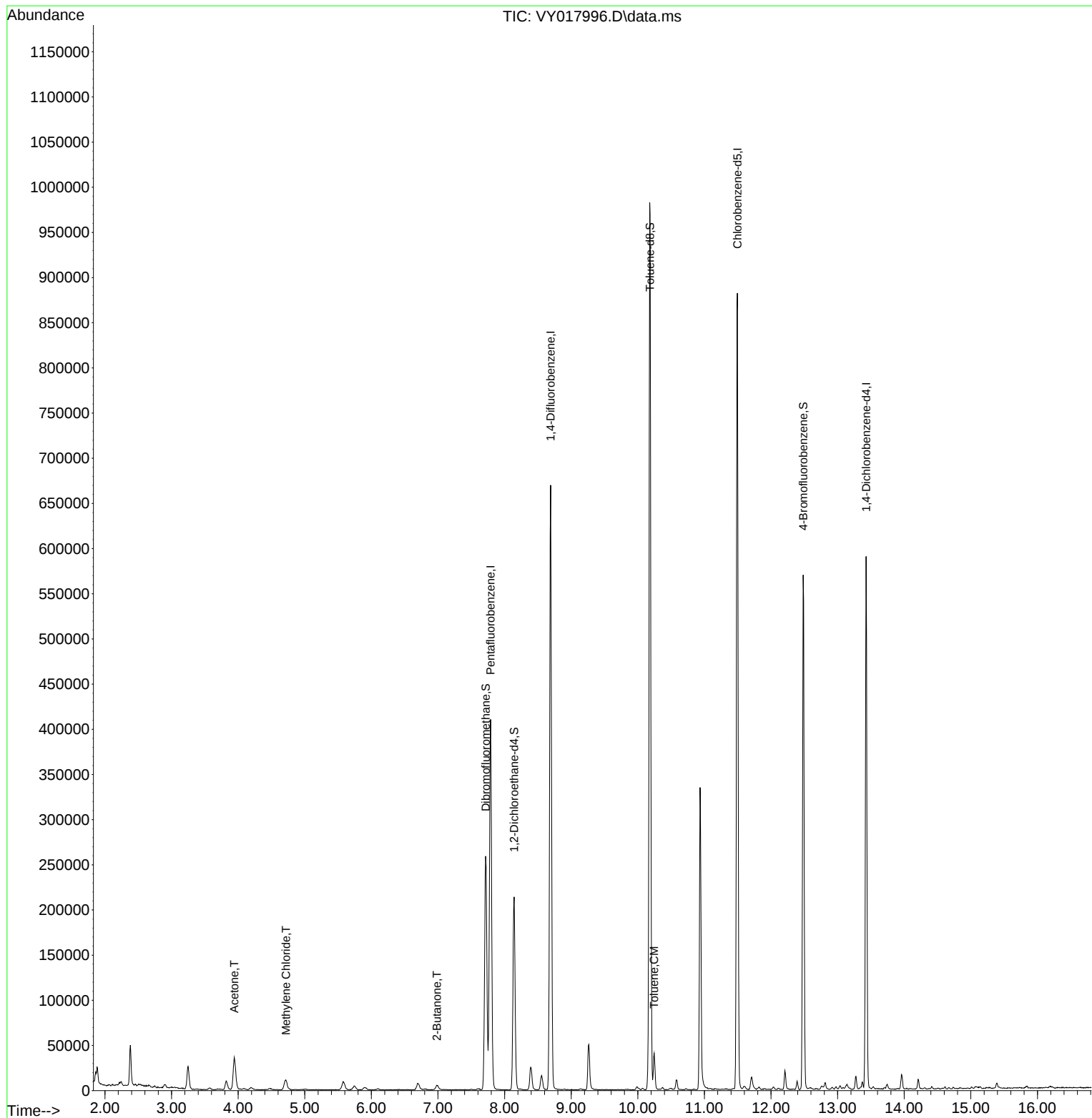
Internal Standards						
1) Pentafluorobenzene	7.789	168	352260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	609783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	527193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	164090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	160559	52.671	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.340%	
35) Dibromofluoromethane	7.716	113	189931	50.487	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.980%	
50) Toluene-d8	10.185	98	692064	48.481	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.960%	
62) 4-Bromofluorobenzene	12.483	95	175256	39.642	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.280%	
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	60015	99.639	ug/l	96
20) Methylene Chloride	4.716	84	9562	2.343	ug/l	92
25) 2-Butanone	6.984	43	7450	8.415	ug/l #	80
52) Toluene	10.246	92	16326	1.553	ug/l	96

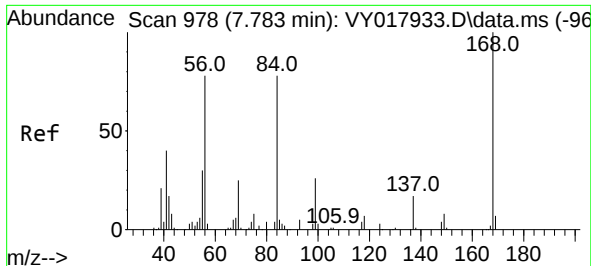
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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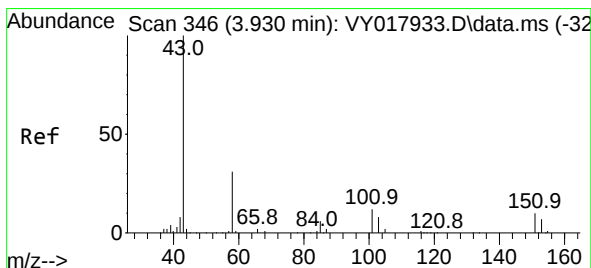
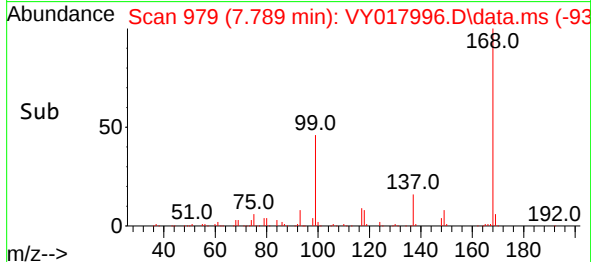
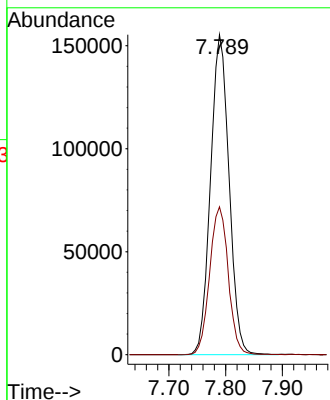
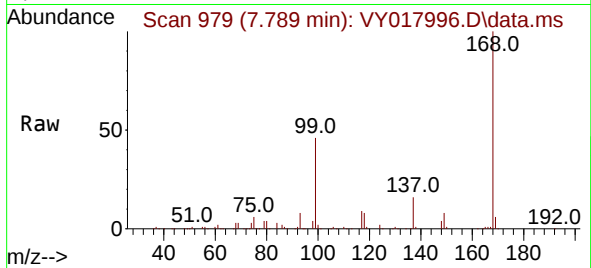




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017996.D
Acq: 19 Apr 2024 14:10

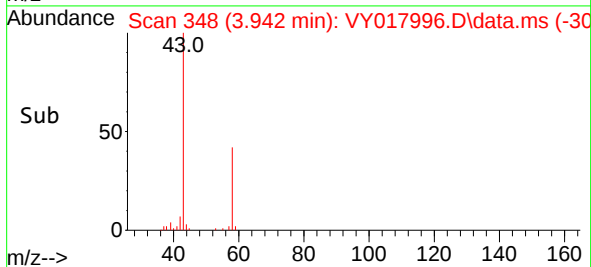
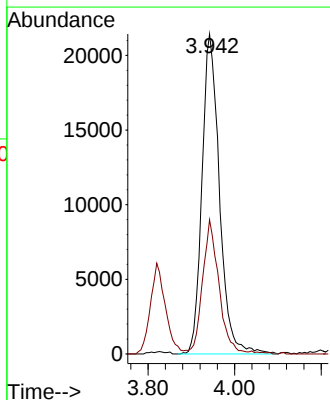
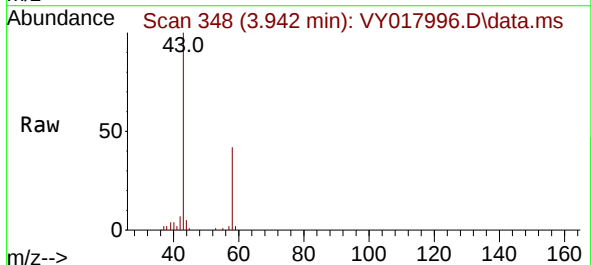
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-5

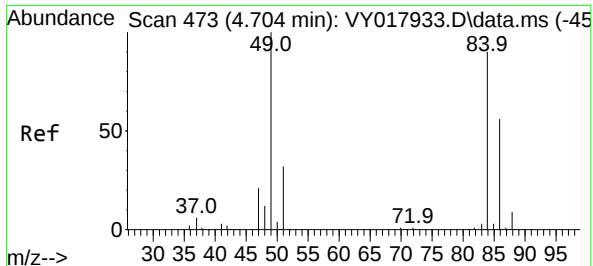
Tgt Ion:168 Resp: 352260
Ion Ratio Lower Upper
168 100
99 46.2 39.1 58.7



#16
Acetone
Concen: 99.639 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY017996.D
Acq: 19 Apr 2024 14:10

Tgt Ion: 43 Resp: 60015
Ion Ratio Lower Upper
43 100
58 42.0 31.7 47.5





#20

Methylene Chloride

Concen: 2.343 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY017996.D

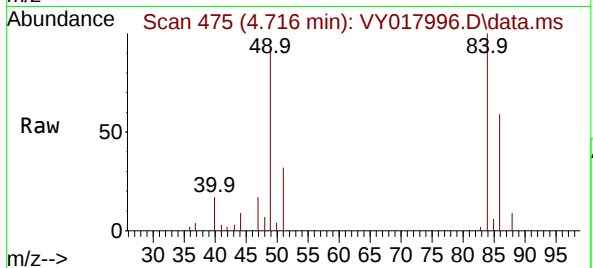
Acq: 19 Apr 2024 14:10

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-LKWD-DENALI-5



Tgt Ion: 84 Resp: 9562

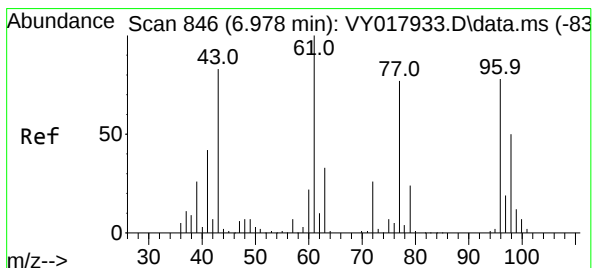
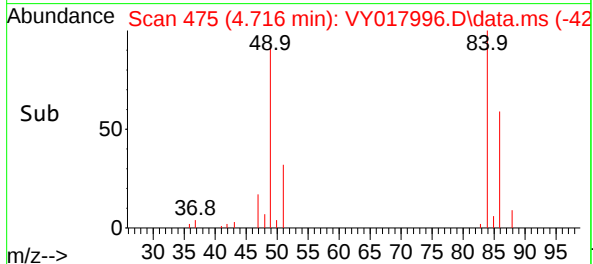
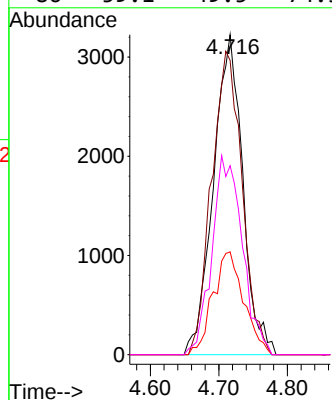
Ion Ratio Lower Upper

84 100

49 91.9 84.4 126.6

51 32.2 26.0 39.0

86 59.1 49.5 74.3



#25

2-Butanone

Concen: 8.415 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY017996.D

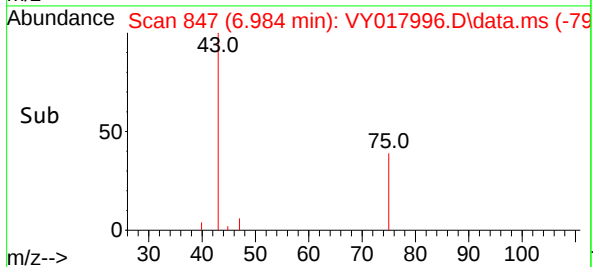
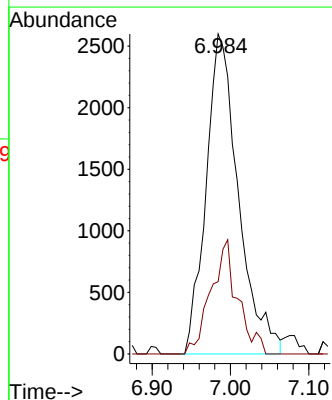
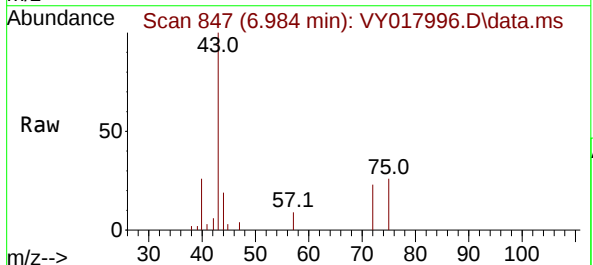
Acq: 19 Apr 2024 14:10

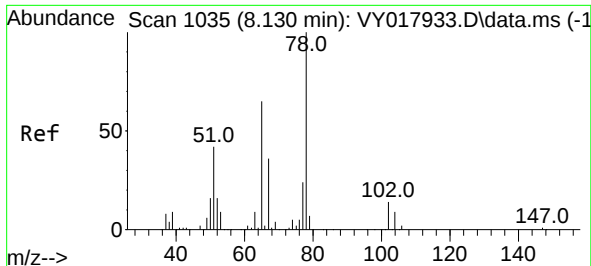
Tgt Ion: 43 Resp: 7450

Ion Ratio Lower Upper

43 100

72 22.6 27.3 40.9#





#33

1,2-Dichloroethane-d4

Concen: 52.671 ug/l

RT: 8.143 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VY017996.D

Acq: 19 Apr 2024 14:10

Instrument :

MSVOA_Y

ClientSampleId :

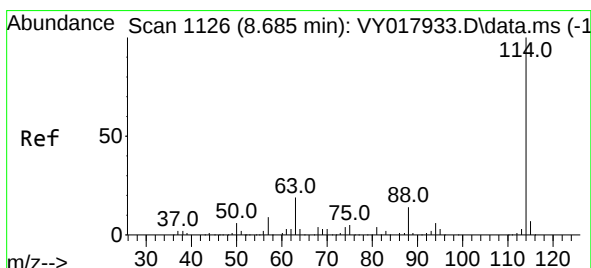
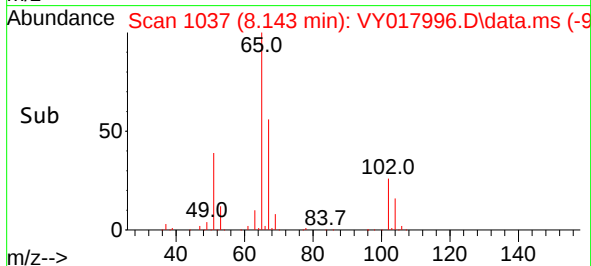
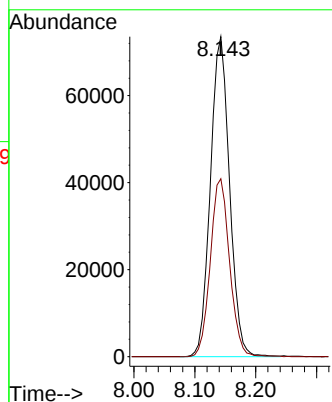
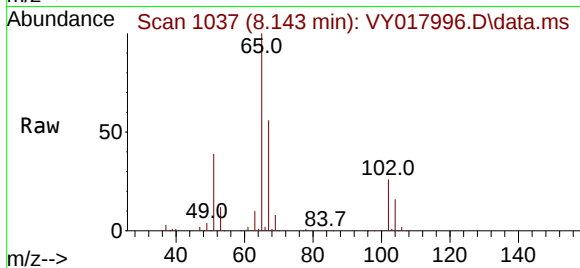
TOPSOIL-LKWD-DENALI-5

Tgt Ion: 65 Resp: 160559

Ion Ratio Lower Upper

65 100

67 55.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017996.D

Acq: 19 Apr 2024 14:10

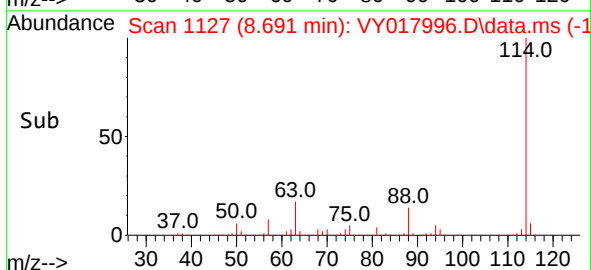
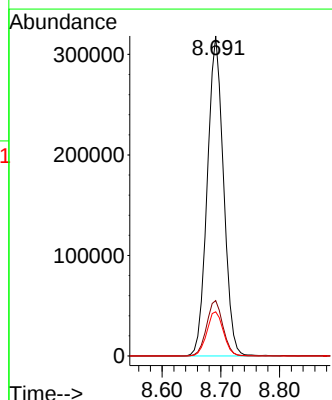
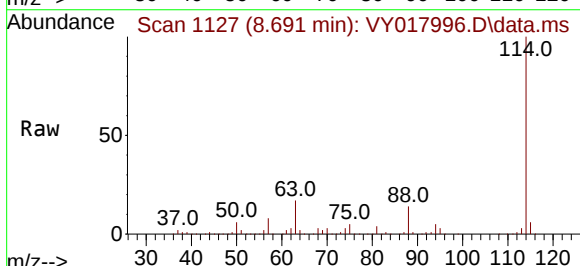
Tgt Ion: 114 Resp: 609783

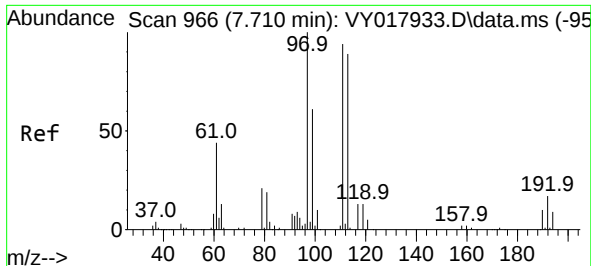
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 13.8 0.0 27.2

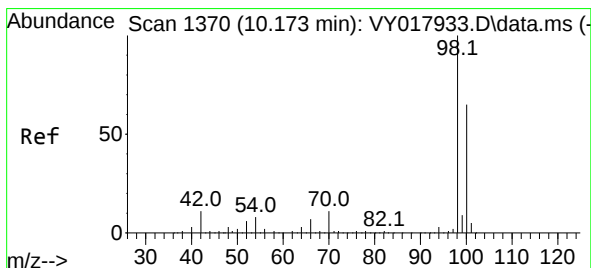
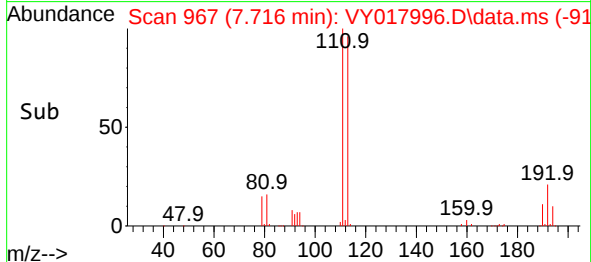
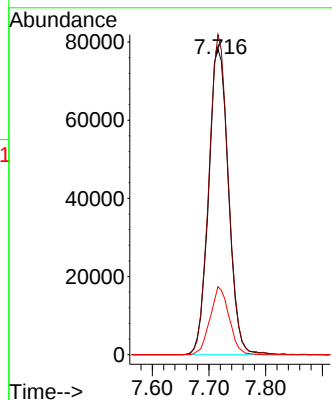
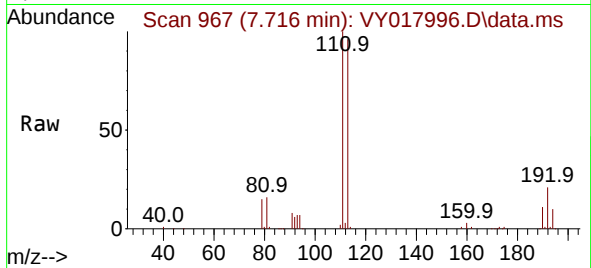




#35
Dibromofluoromethane
Concen: 50.487 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017996.D
Acq: 19 Apr 2024 14:10

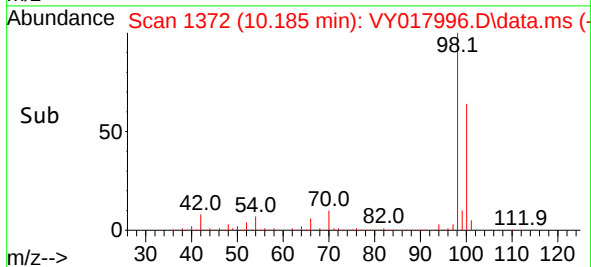
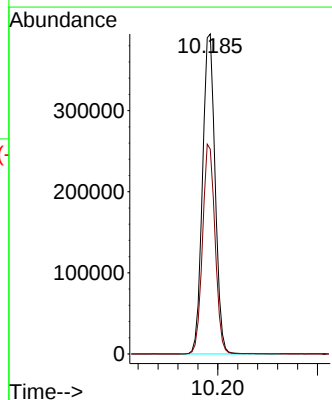
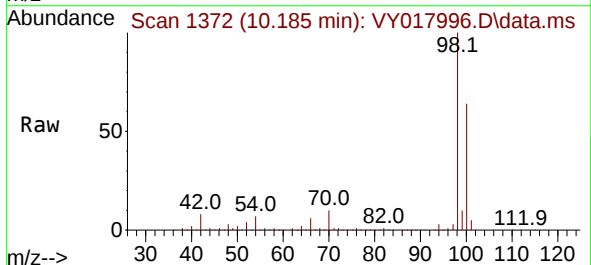
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-5

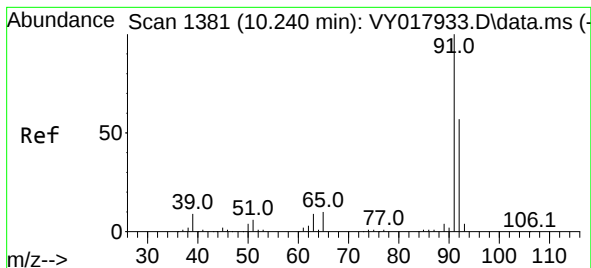
Tgt Ion:113 Resp: 189931
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 21.3 15.9 23.9



#50
Toluene-d8
Concen: 48.481 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY017996.D
Acq: 19 Apr 2024 14:10

Tgt Ion: 98 Resp: 692064
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0





#52

Toluene

Concen: 1.553 ug/l

RT: 10.246 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017996.D

Acq: 19 Apr 2024 14:10

Instrument :

MSVOA_Y

ClientSampleId :

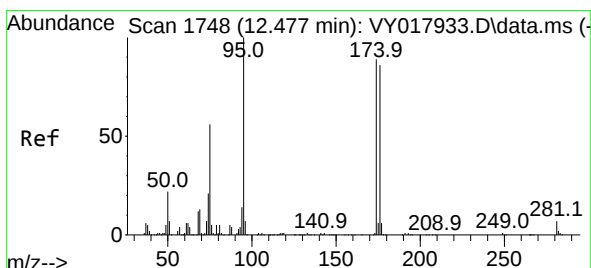
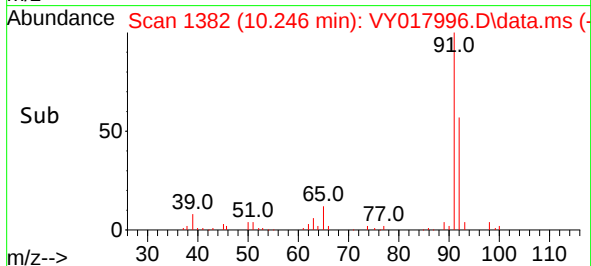
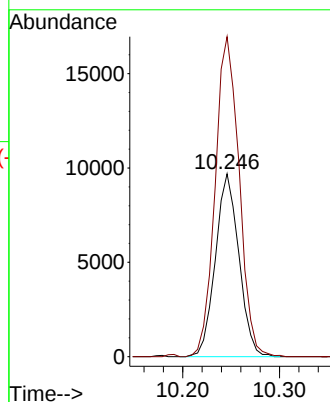
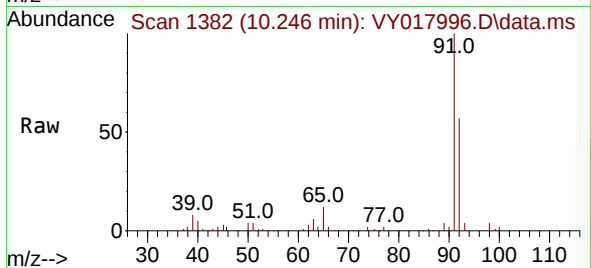
TOPSOIL-LKWD-DENALI-5

Tgt Ion: 92 Resp: 16326

Ion Ratio Lower Upper

92 100

91 178.8 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 39.642 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY017996.D

Acq: 19 Apr 2024 14:10

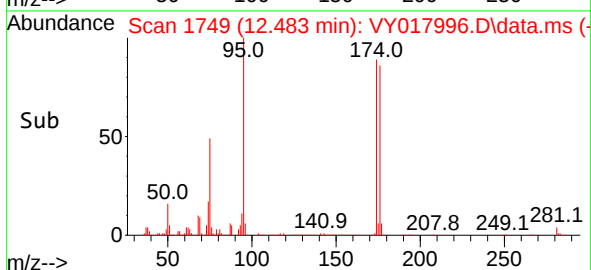
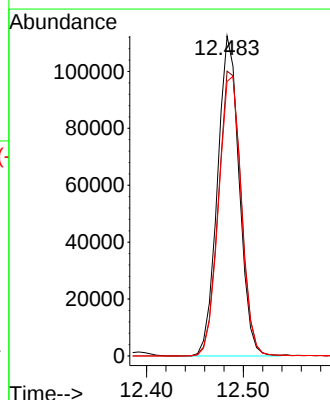
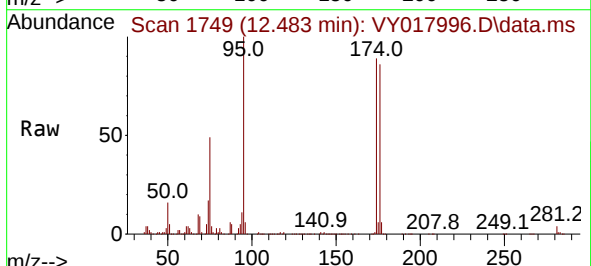
Tgt Ion: 95 Resp: 175256

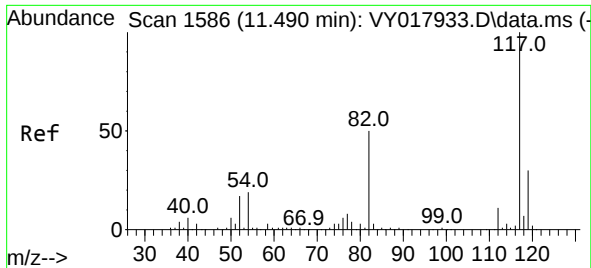
Ion Ratio Lower Upper

95 100

174 93.5 0.0 175.6

176 91.1 0.0 171.4

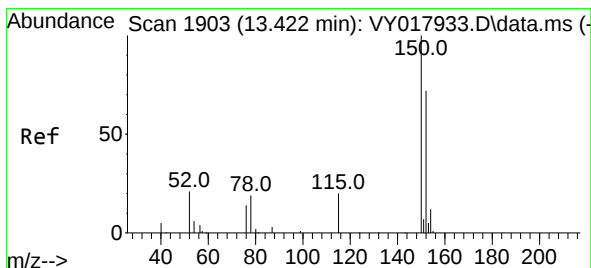
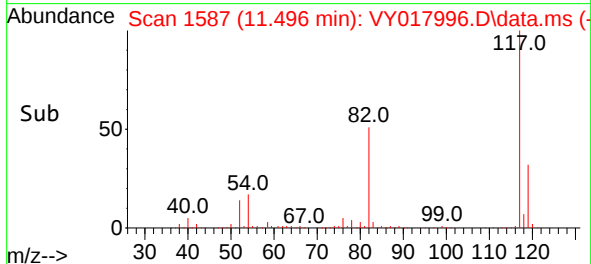
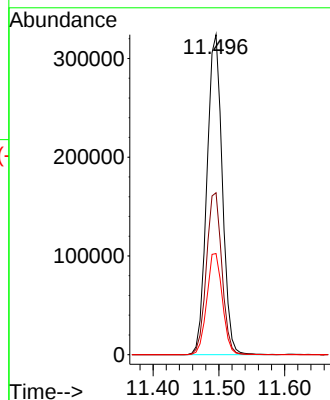
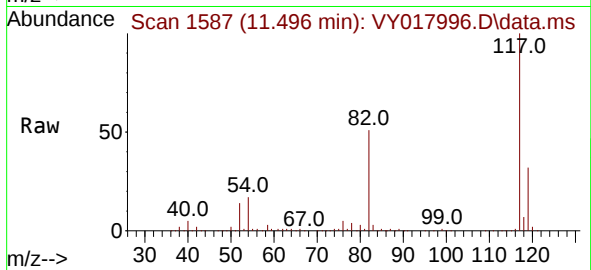




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017996.D
Acq: 19 Apr 2024 14:10

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Tgt Ion:117 Resp: 527193
Ion Ratio Lower Upper
117 100
82 50.6 42.4 63.6
119 31.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY017996.D
Acq: 19 Apr 2024 14:10

Tgt Ion:152 Resp: 164090
Ion Ratio Lower Upper
152 100
115 53.5 28.2 84.7
150 157.5 0.0 345.6

