

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041924\
 Data File : VY017997.D
 Acq On : 19 Apr 2024 14:34
 Operator : SY/MD
 Sample : P2178-05
 Misc : 4.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Apr 19 23:25:07 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)

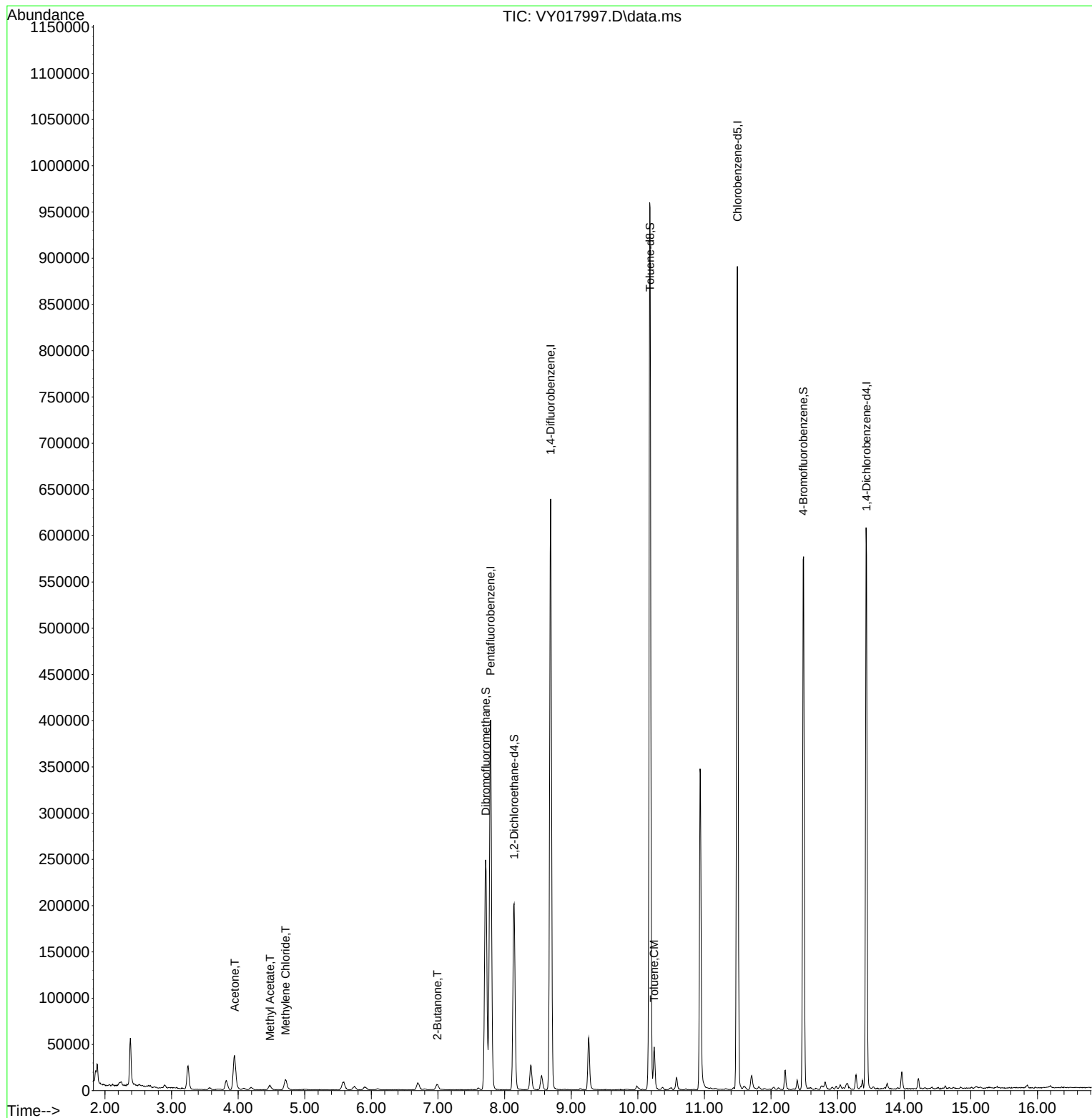
Internal Standards						
1) Pentafluorobenzene	7.789	168	338441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	589325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	524340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	171900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	154409	52.721	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.440%			
35) Dibromofluoromethane	7.716	113	183812	50.556	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.120%			
50) Toluene-d8	10.185	98	669677	48.542	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.080%			
62) 4-Bromofluorobenzene	12.483	95	176909	41.405	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.800%			
Target Compounds					Qvalue	
16) Acetone	3.948	43	64373	111.239	ug/l	91
18) Methyl Acetate	4.478	43	8712	5.723	ug/l	98
20) Methylene Chloride	4.710	84	8803	2.245	ug/l	93
25) 2-Butanone	6.990	43	8270	9.722	ug/l #	86
52) Toluene	10.246	92	19488	1.918	ug/l	99

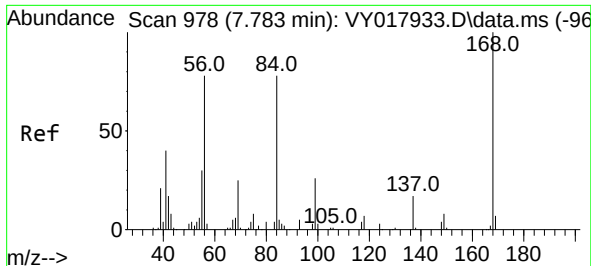
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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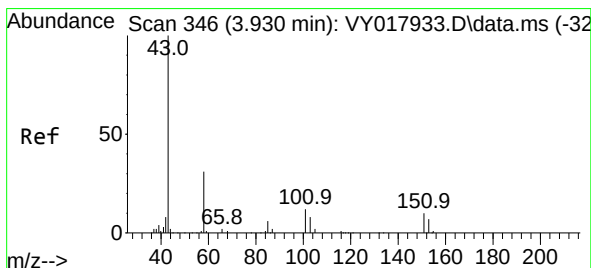
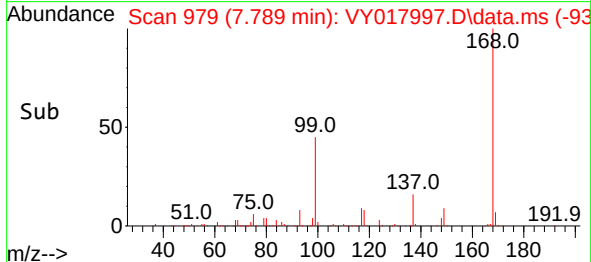
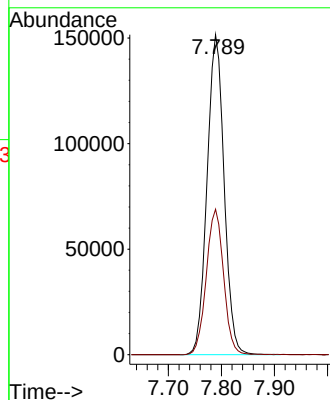
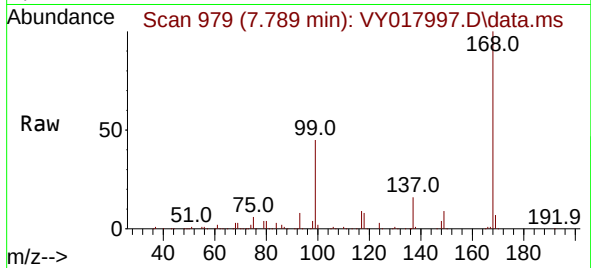




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017997.D
Acq: 19 Apr 2024 14:34

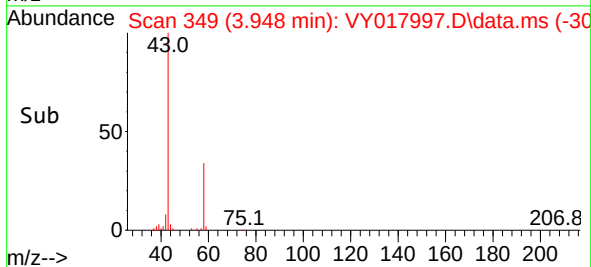
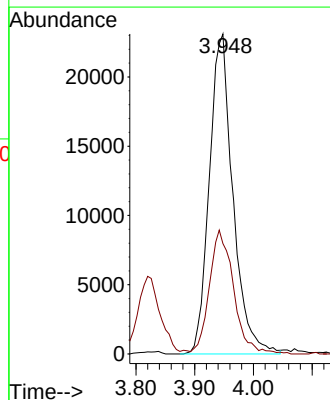
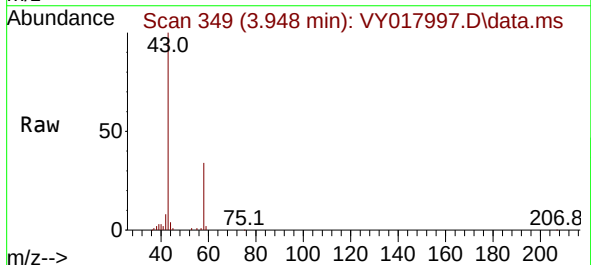
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-6

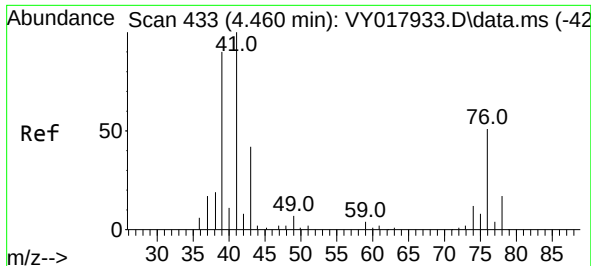
Tgt Ion:168 Resp: 338441
Ion Ratio Lower Upper
168 100
99 45.5 39.1 58.7



#16
Acetone
Concen: 111.239 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY017997.D
Acq: 19 Apr 2024 14:34

Tgt Ion: 43 Resp: 64373
Ion Ratio Lower Upper
43 100
58 33.9 31.7 47.5

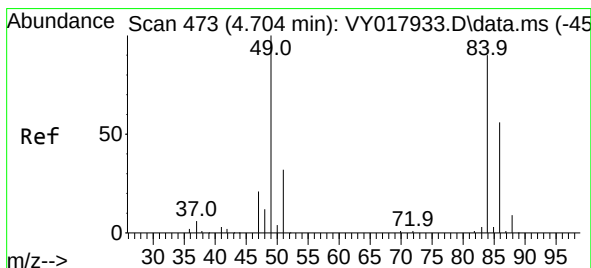
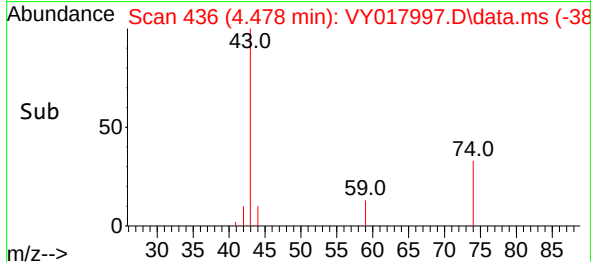
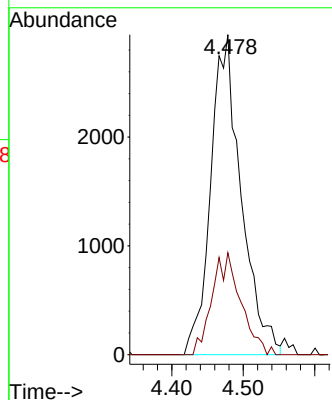
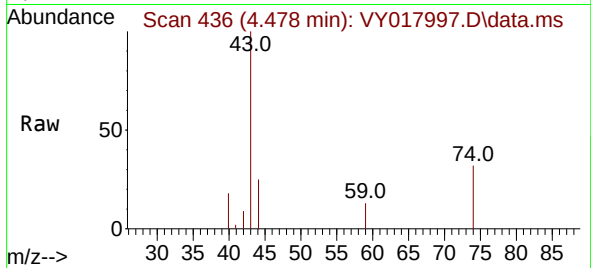




#18
Methyl Acetate
Concen: 5.723 ug/l
RT: 4.478 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY017997.D
Acq: 19 Apr 2024 14:34

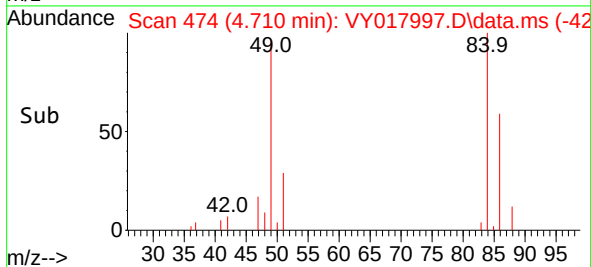
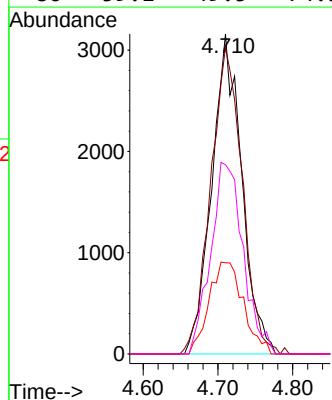
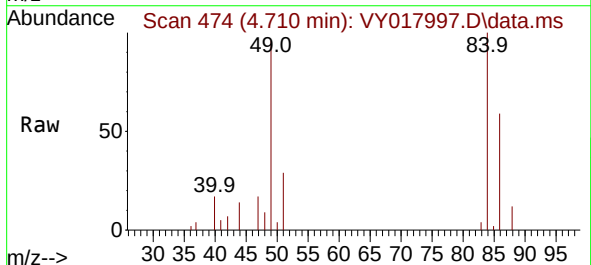
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-6

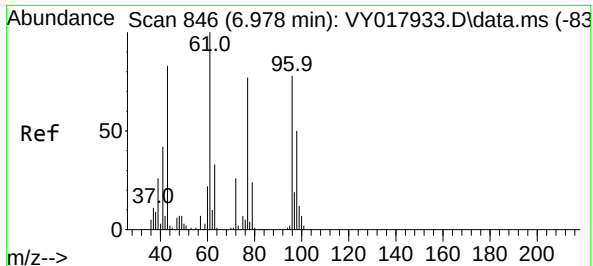
Tgt Ion: 43 Resp: 8712
Ion Ratio Lower Upper
43 100
74 30.1 23.3 34.9



#20
Methylene Chloride
Concen: 2.245 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY017997.D
Acq: 19 Apr 2024 14:34

Tgt Ion: 84 Resp: 8803
Ion Ratio Lower Upper
84 100
49 95.8 84.4 126.6
51 28.5 26.0 39.0
86 59.1 49.5 74.3

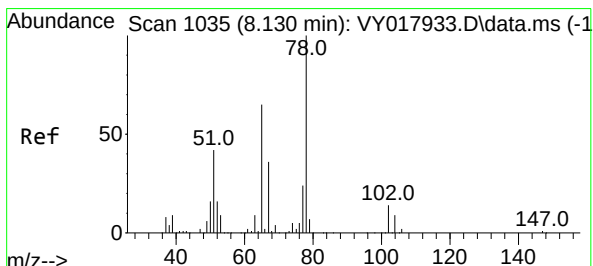
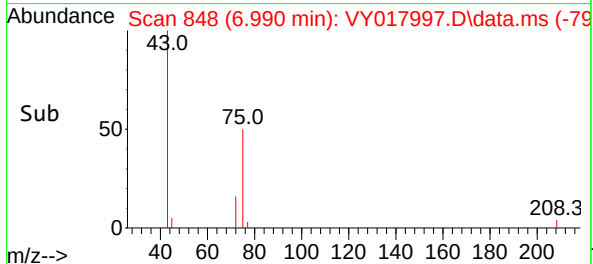
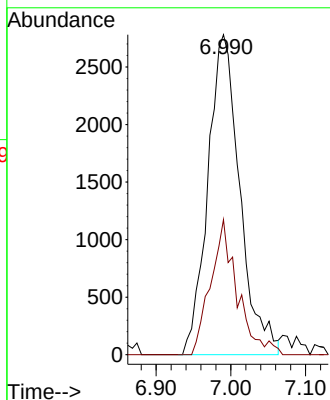
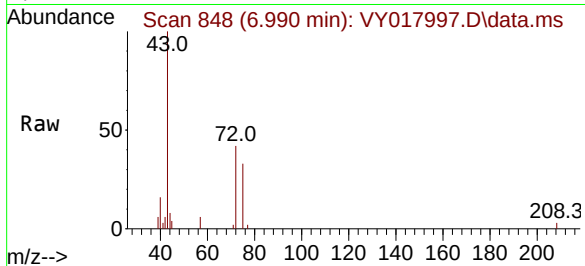




#25
2-Butanone
Concen: 9.722 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY017997.D
Acq: 19 Apr 2024 14:34

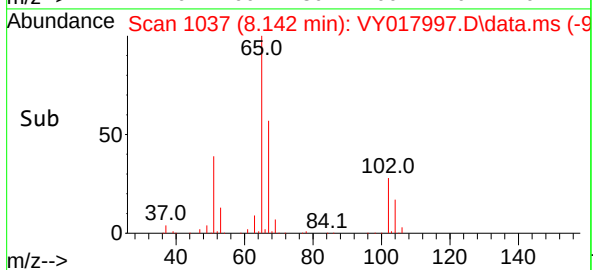
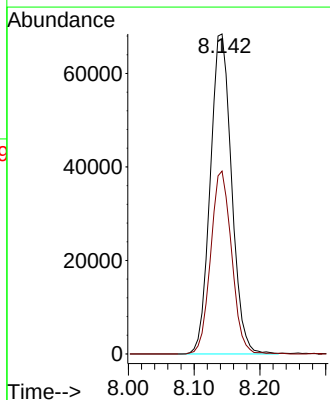
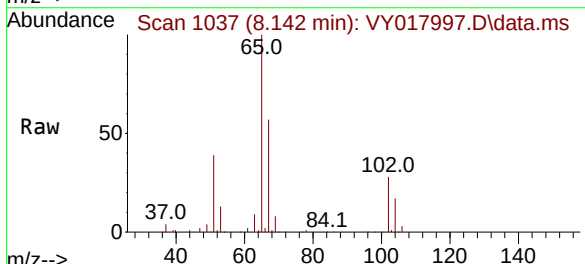
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-6

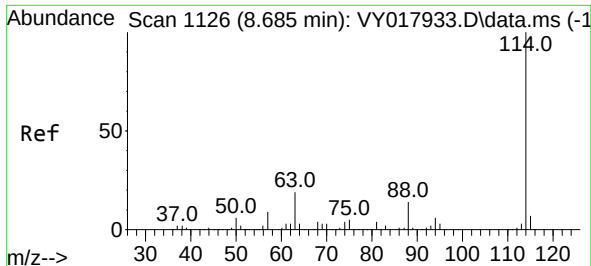
Tgt Ion: 43 Resp: 8270
Ion Ratio Lower Upper
43 100
72 42.2 27.3 40.9#



#33
1,2-Dichloroethane-d4
Concen: 52.721 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY017997.D
Acq: 19 Apr 2024 14:34

Tgt Ion: 65 Resp: 154409
Ion Ratio Lower Upper
65 100
67 56.2 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: VY017997.D

Acq: 19 Apr 2024 14:34

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-LKWD-DENALI-6

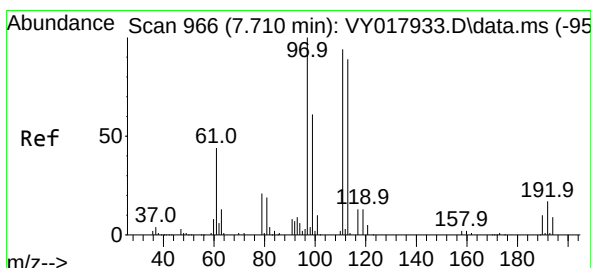
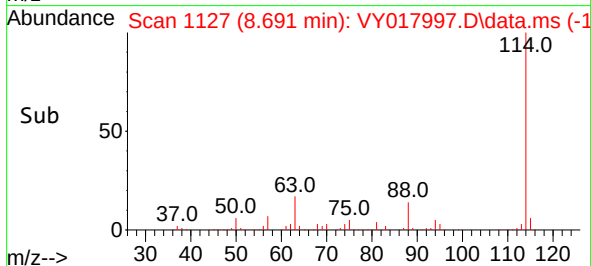
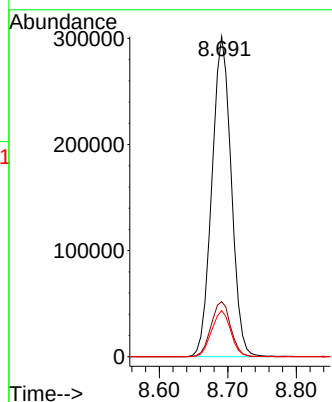
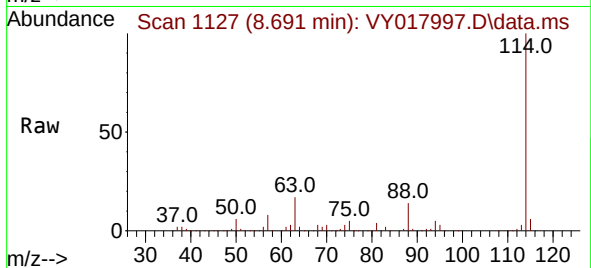
Tgt Ion:114 Resp: 589325

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

88 14.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.556 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY017997.D

Acq: 19 Apr 2024 14:34

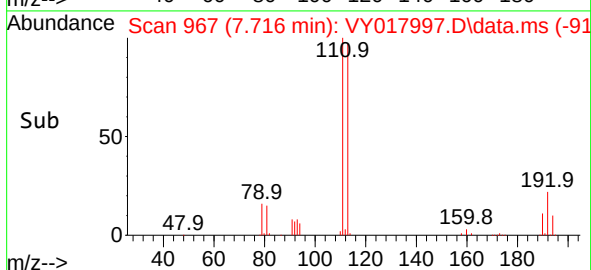
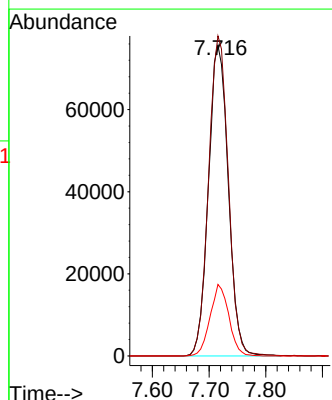
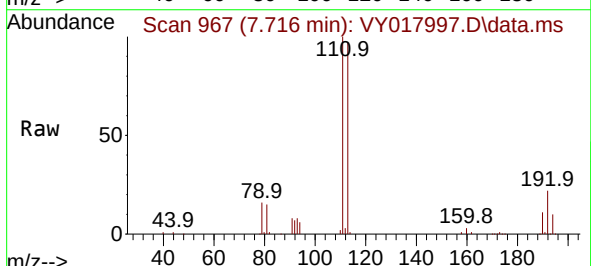
Tgt Ion:113 Resp: 183812

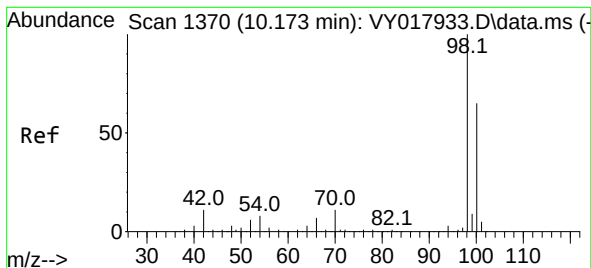
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 21.8 15.9 23.9





#50

Toluene-d8

Concen: 48.542 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017997.D

Acq: 19 Apr 2024 14:34

Instrument :

MSVOA_Y

ClientSampleId :

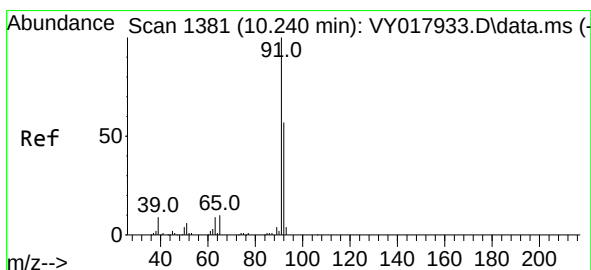
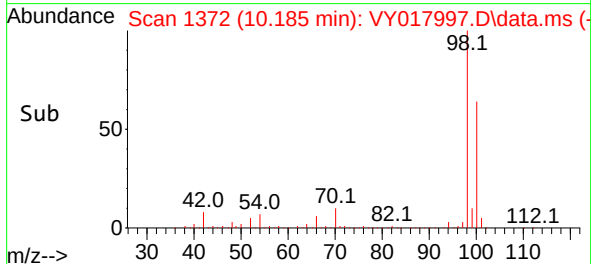
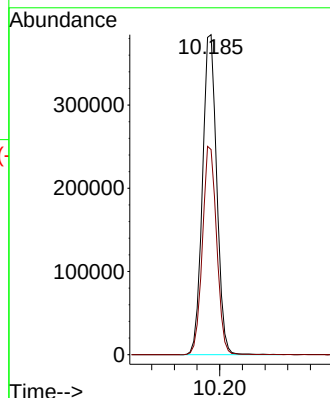
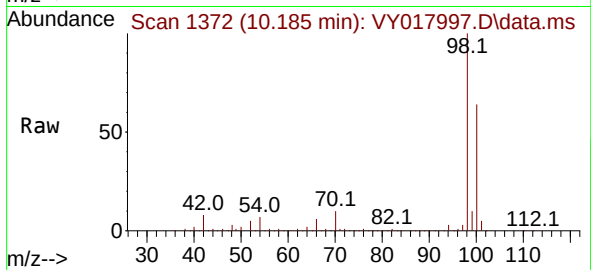
TOPSOIL-LKWD-DENALI-6

Tgt Ion: 98 Resp: 669677

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



#52

Toluene

Concen: 1.918 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY017997.D

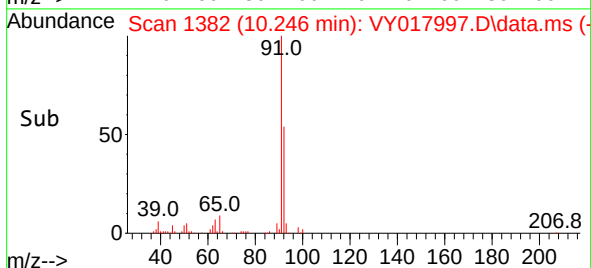
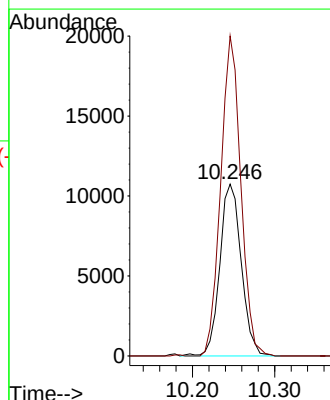
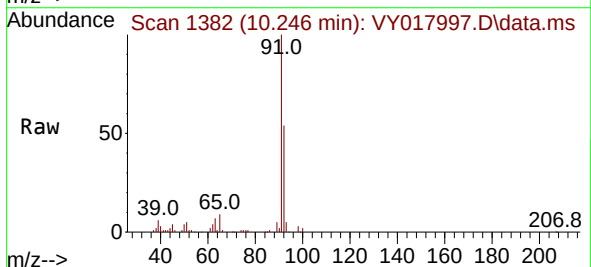
Acq: 19 Apr 2024 14:34

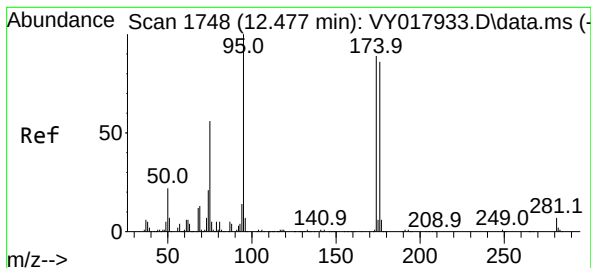
Tgt Ion: 92 Resp: 19488

Ion Ratio Lower Upper

92 100

91 174.5 139.0 208.6

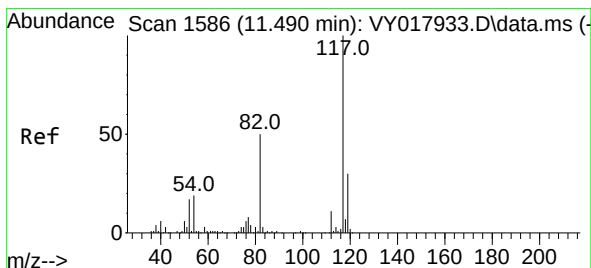
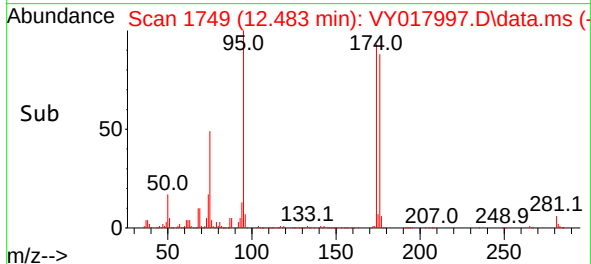
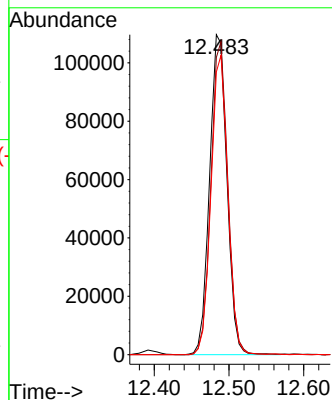
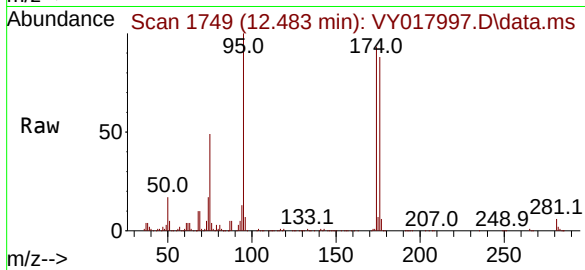




#62
4-Bromofluorobenzene
Concen: 41.405 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY017997.D
Acq: 19 Apr 2024 14:34

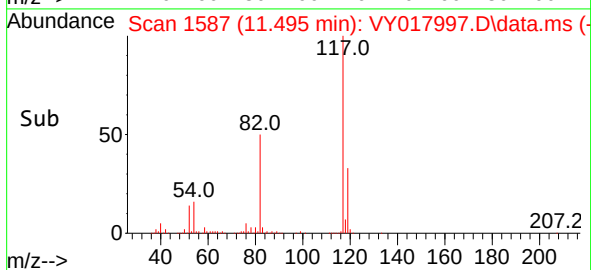
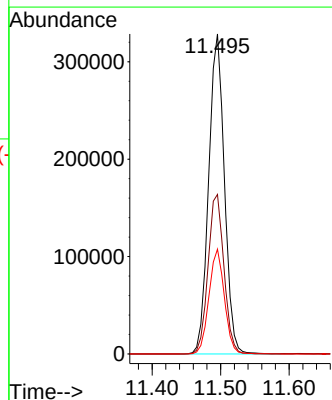
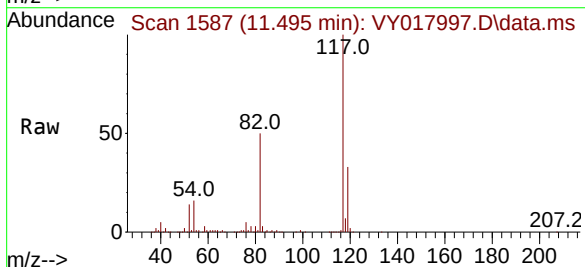
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TOPSOIL-LKWD-DENALI-6

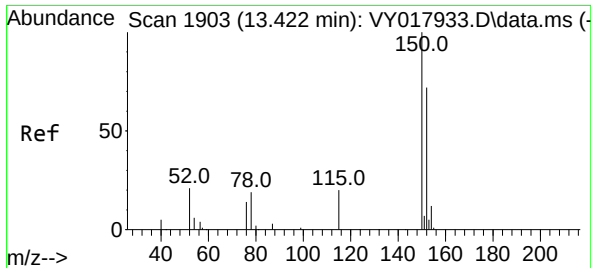
Tgt Ion: 95 Resp: 176909
Ion Ratio Lower Upper
95 100
174 95.2 0.0 175.6
176 90.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY017997.D
Acq: 19 Apr 2024 14:34

Tgt Ion: 117 Resp: 524340
Ion Ratio Lower Upper
117 100
82 49.8 42.4 63.6
119 32.8 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: VY017997.D

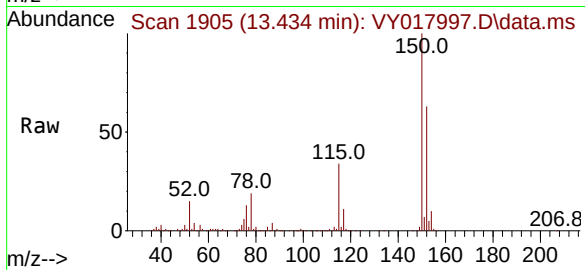
Acq: 19 Apr 2024 14:34

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-LKWD-DENALI-6



Tgt Ion:152 Resp: 171900

Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.7

150 158.0 0.0 345.6

