

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017982.D
 Acq On : 18 Apr 2024 17:38
 Operator : SY/MD
 Sample : P2178-01
 Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-LKWD-DENALI-4

Quant Time: Apr 19 02:03:44 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)

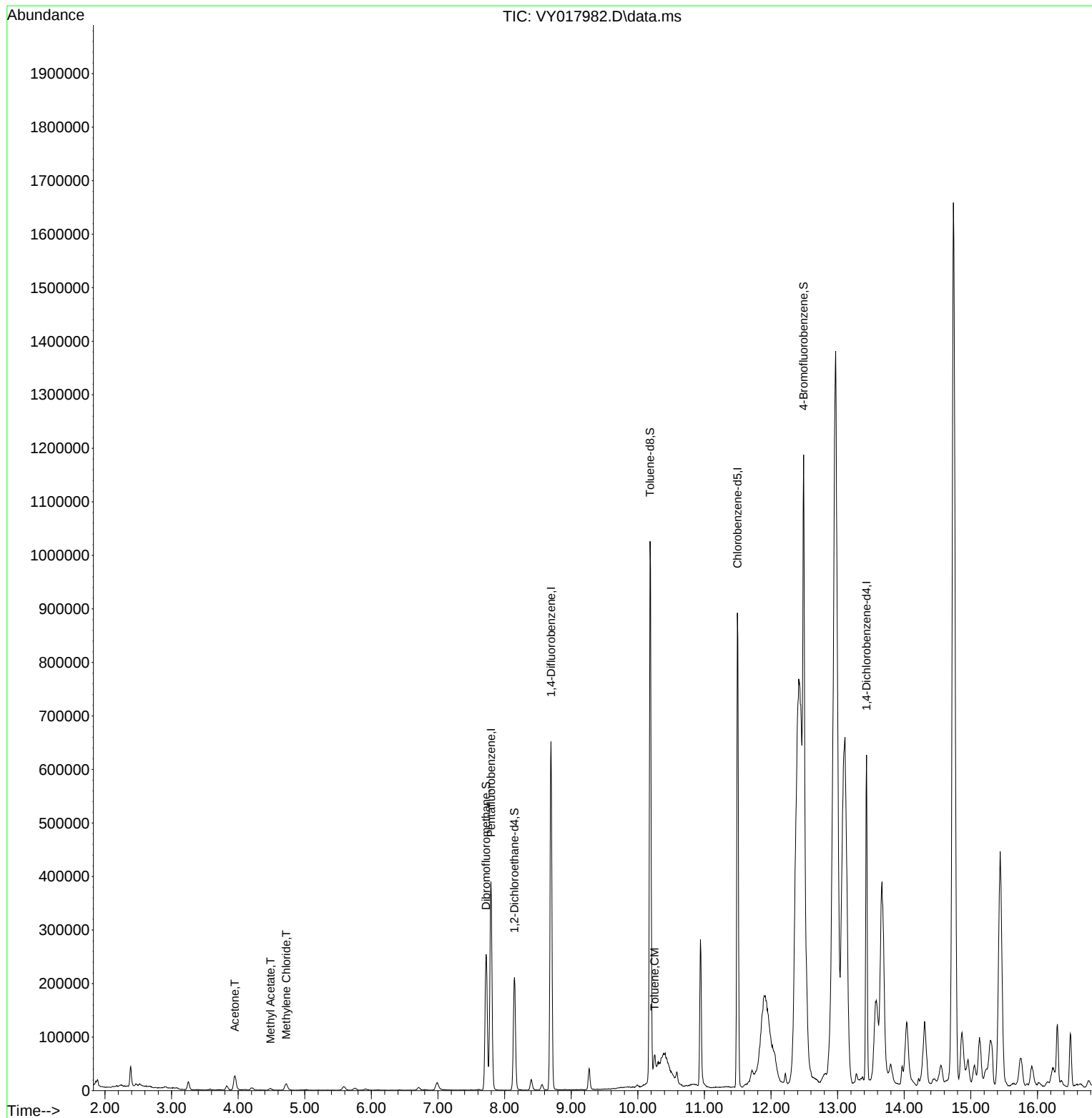
Internal Standards						
1) Pentafluorobenzene	7.795	168	328147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	596084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	523361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	166683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	160797	56.625	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.240%
35) Dibromofluoromethane	7.722	113	188332	51.212	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.420%
50) Toluene-d8	10.185	98	689418	49.406	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.820%
62) 4-Bromofluorobenzene	12.489	95	192340	44.506	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.020%
Target Compounds						
						Qvalue
16) Acetone	3.948	43	47346	84.382	ug/l	89
18) Methyl Acetate	4.484	43	5910	4.004	ug/l	98
20) Methylene Chloride	4.722	84	9507	2.501	ug/l #	90
52) Toluene	10.252	92	12993	1.264	ug/l	94

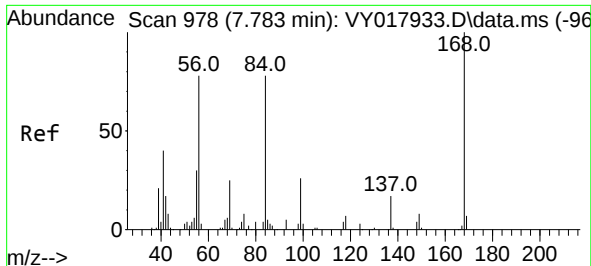
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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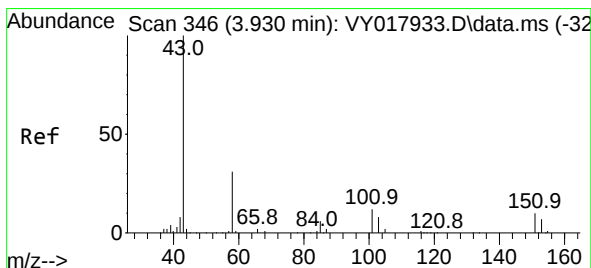
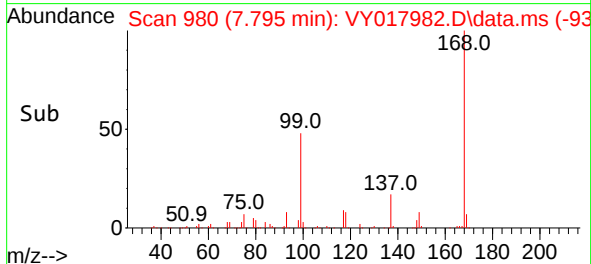
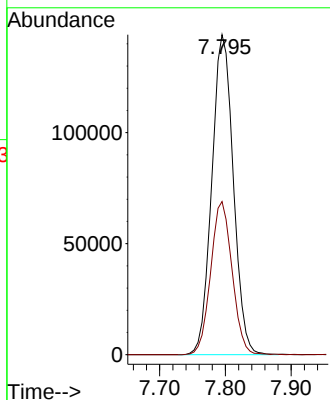
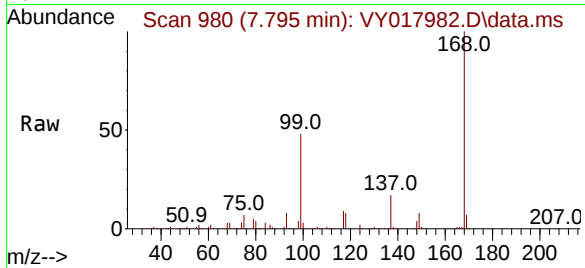




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017982.D
Acq: 18 Apr 2024 17:38

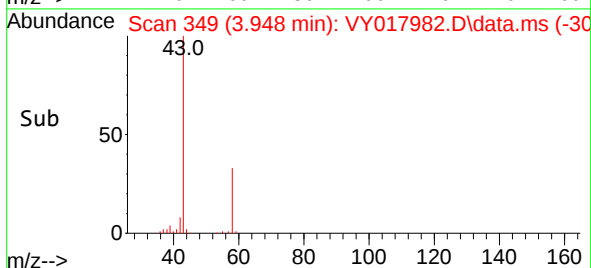
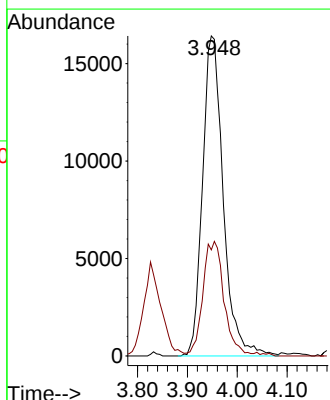
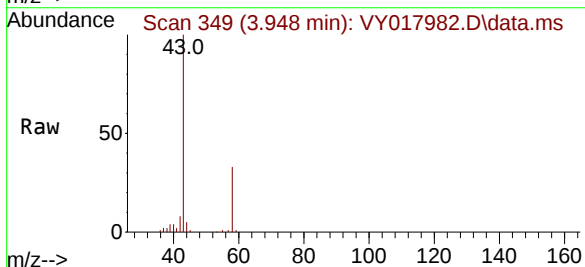
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-4

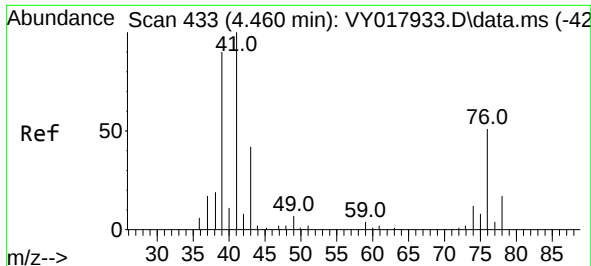
Tgt Ion:168 Resp: 328147
Ion Ratio Lower Upper
168 100
99 47.9 39.1 58.7



#16
Acetone
Concen: 84.382 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY017982.D
Acq: 18 Apr 2024 17:38

Tgt Ion: 43 Resp: 47346
Ion Ratio Lower Upper
43 100
58 33.1 31.7 47.5

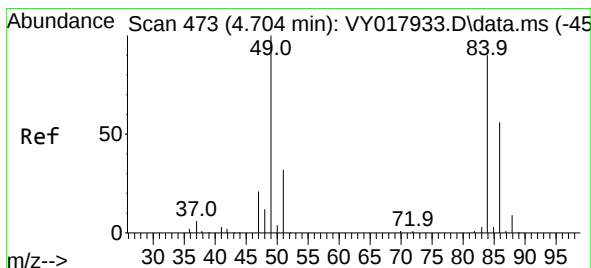
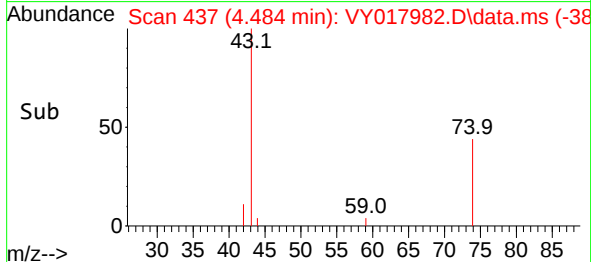
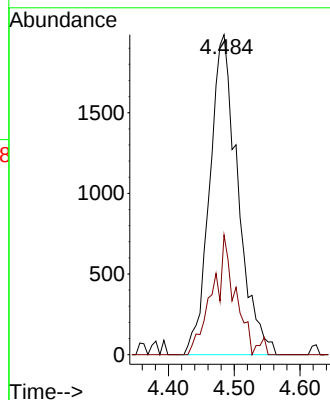
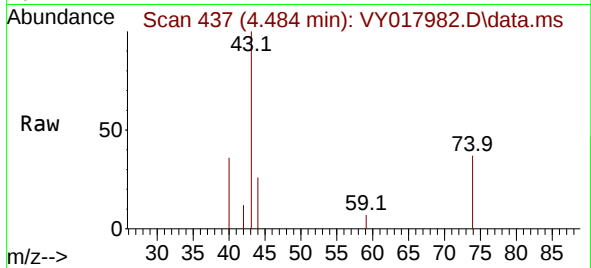




#18
Methyl Acetate
Concen: 4.004 ug/l
RT: 4.484 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY017982.D
Acq: 18 Apr 2024 17:38

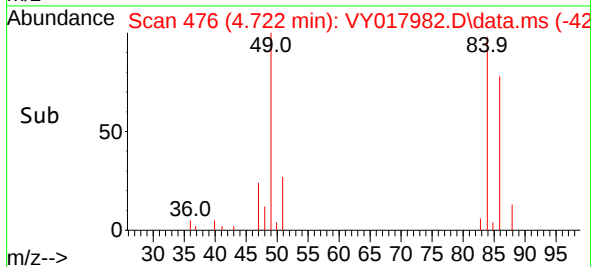
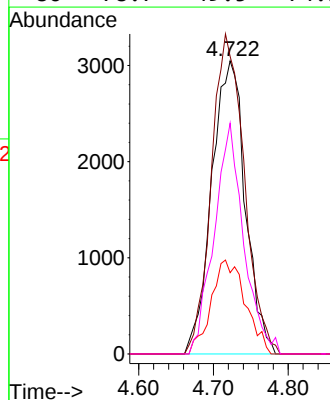
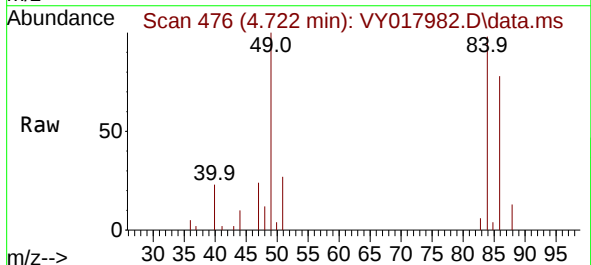
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-4

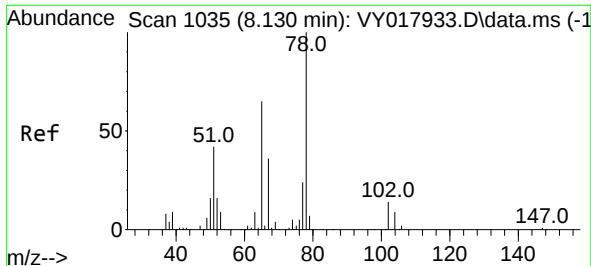
Tgt Ion: 43 Resp: 5910
Ion Ratio Lower Upper
43 100
74 30.2 23.3 34.9



#20
Methylene Chloride
Concen: 2.501 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY017982.D
Acq: 18 Apr 2024 17:38

Tgt Ion: 84 Resp: 9507
Ion Ratio Lower Upper
84 100
49 101.5 84.4 126.6
51 27.8 26.0 39.0
86 78.7 49.5 74.3#





#33

1,2-Dichloroethane-d4

Concen: 56.625 ug/l

RT: 8.148 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VY017982.D

Acq: 18 Apr 2024 17:38

Instrument :

MSVOA_Y

ClientSampleId :

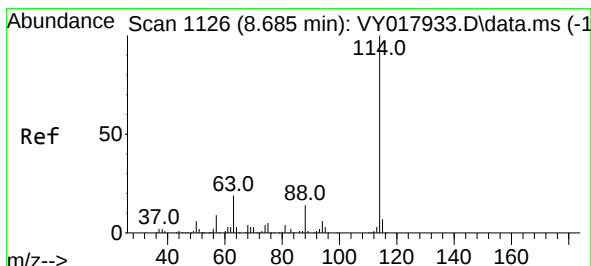
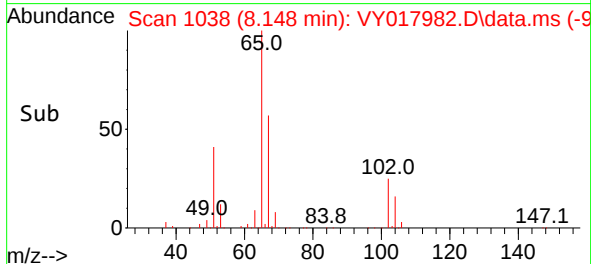
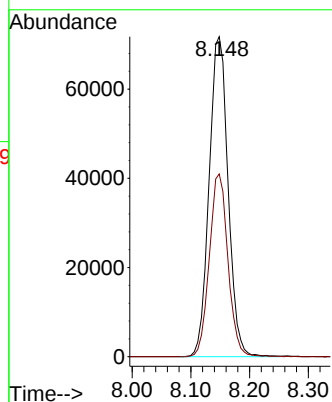
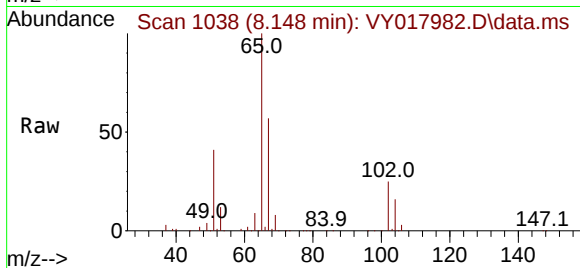
TOPSOIL-LKWD-DENALI-4

Tgt Ion: 65 Resp: 160797

Ion Ratio Lower Upper

65 100

67 56.0 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: VY017982.D

Acq: 18 Apr 2024 17:38

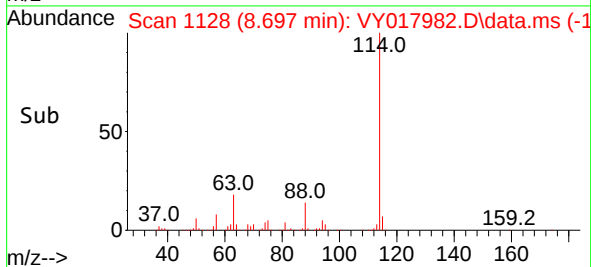
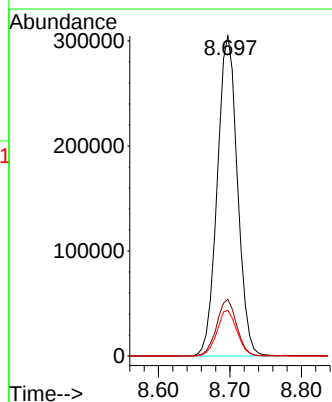
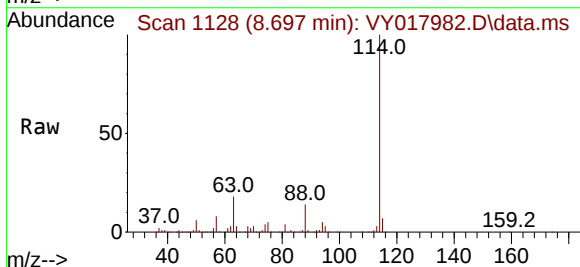
Tgt Ion: 114 Resp: 596084

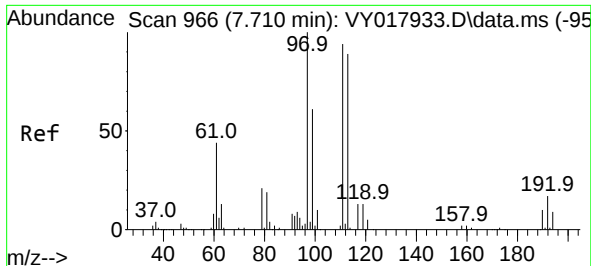
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

88 14.3 0.0 27.2

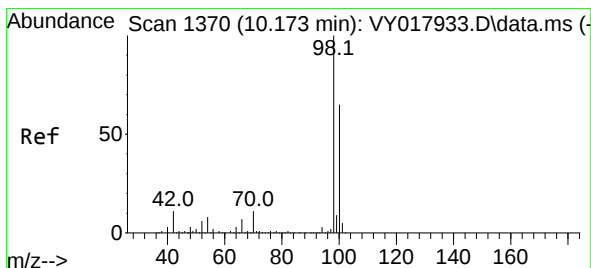
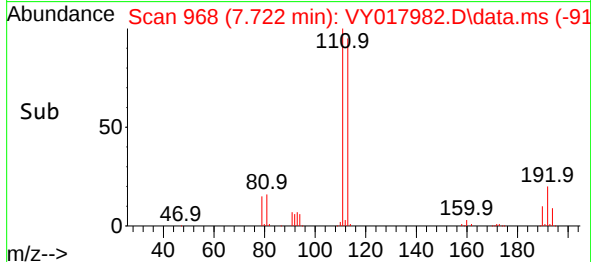
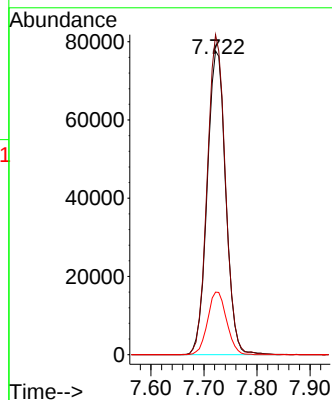
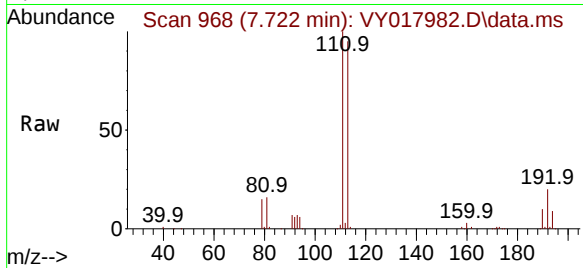




#35
Dibromofluoromethane
Concen: 51.212 ug/l
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017982.D
Acq: 18 Apr 2024 17:38

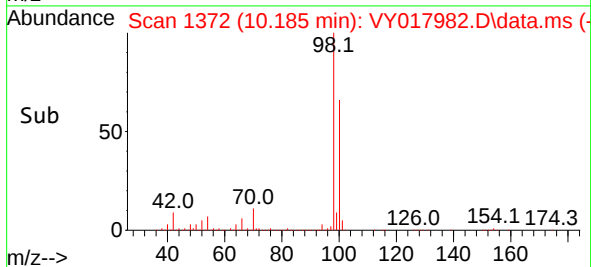
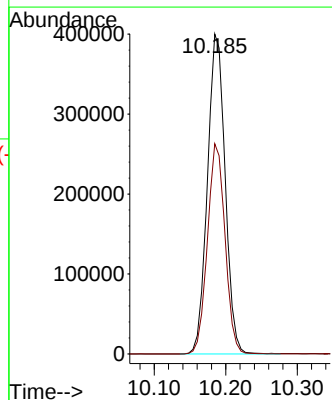
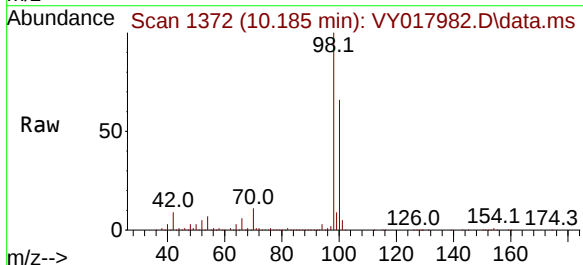
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-4

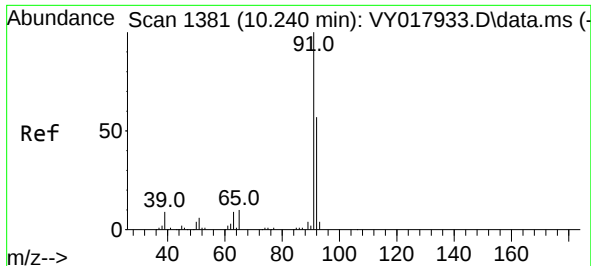
Tgt Ion:113 Resp: 188332
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 21.1 15.9 23.9



#50
Toluene-d8
Concen: 49.406 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY017982.D
Acq: 18 Apr 2024 17:38

Tgt Ion: 98 Resp: 689418
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0

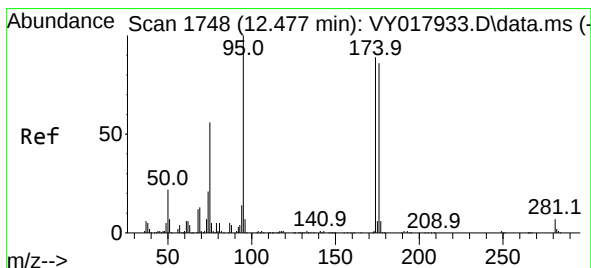
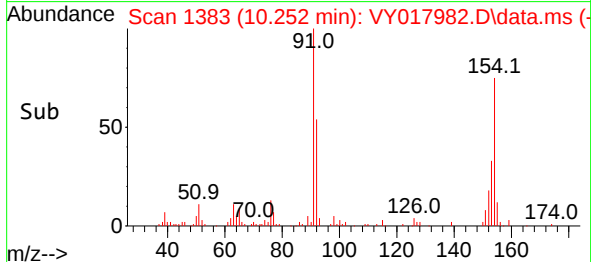
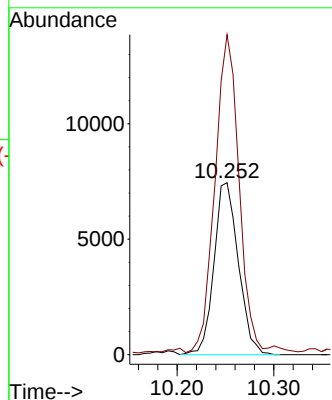
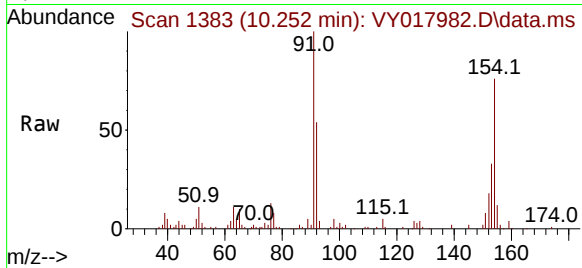




#52
Toluene
Concen: 1.264 ug/l
RT: 10.252 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017982.D
Acq: 18 Apr 2024 17:38

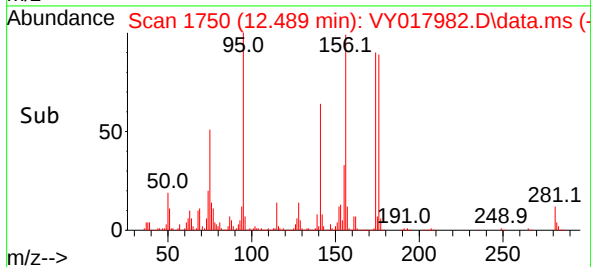
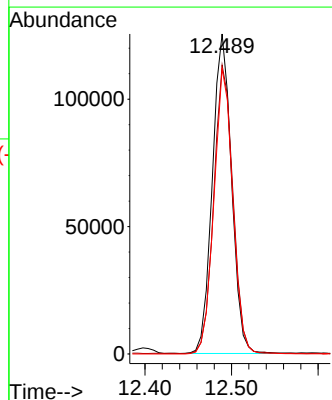
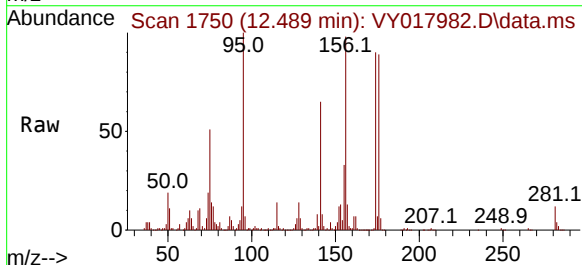
Instrument :
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ClientSampleId :
TOPSOIL-LKWD-DENALI-4

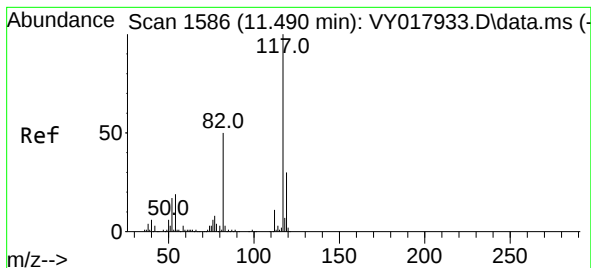
Tgt Ion: 92 Resp: 12993
Ion Ratio Lower Upper
92 100
91 181.9 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 44.506 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017982.D
Acq: 18 Apr 2024 17:38

Tgt Ion: 95 Resp: 192340
Ion Ratio Lower Upper
95 100
174 90.5 0.0 175.6
176 88.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017982.D

Acq: 18 Apr 2024 17:38

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-LKWD-DENALI-4

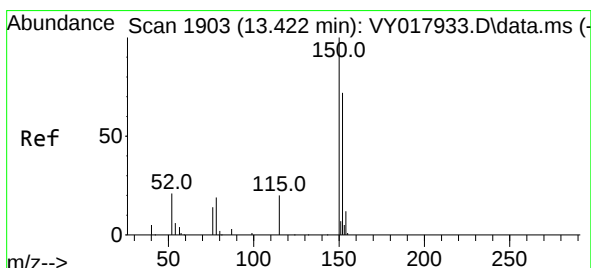
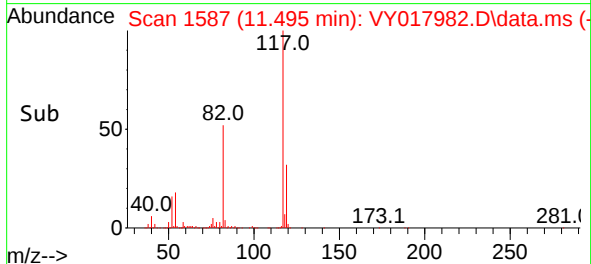
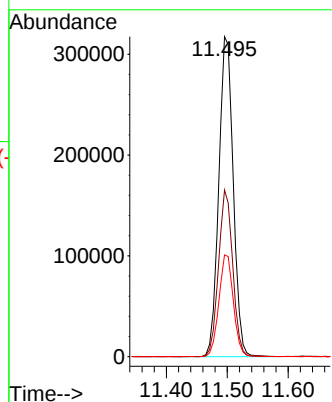
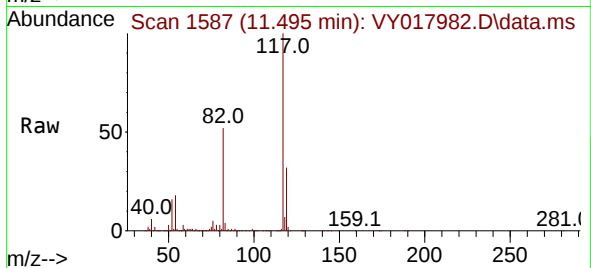
Tgt Ion:117 Resp: 523361

Ion Ratio Lower Upper

117 100

82 52.1 42.4 63.6

119 31.8 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: VY017982.D

Acq: 18 Apr 2024 17:38

Tgt Ion:152 Resp: 166683

Ion Ratio Lower Upper

152 100

115 54.9 28.2 84.7

150 158.0 0.0 345.6

