

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017983.D
 Acq On : 18 Apr 2024 18:02
 Operator : SY/MD
 Sample : P2178-03
 Misc : 3.66g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Apr 19 02:04:04 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	18949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	23047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	10206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	1011	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	3841	23.424	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	46.840%#
35) Dibromofluoromethane	7.716	113	6387	44.920	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.840%
50) Toluene-d8	10.191	98	22119	40.997	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.000%
62) 4-Bromofluorobenzene	12.489	95	1845	11.042	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	22.080%#

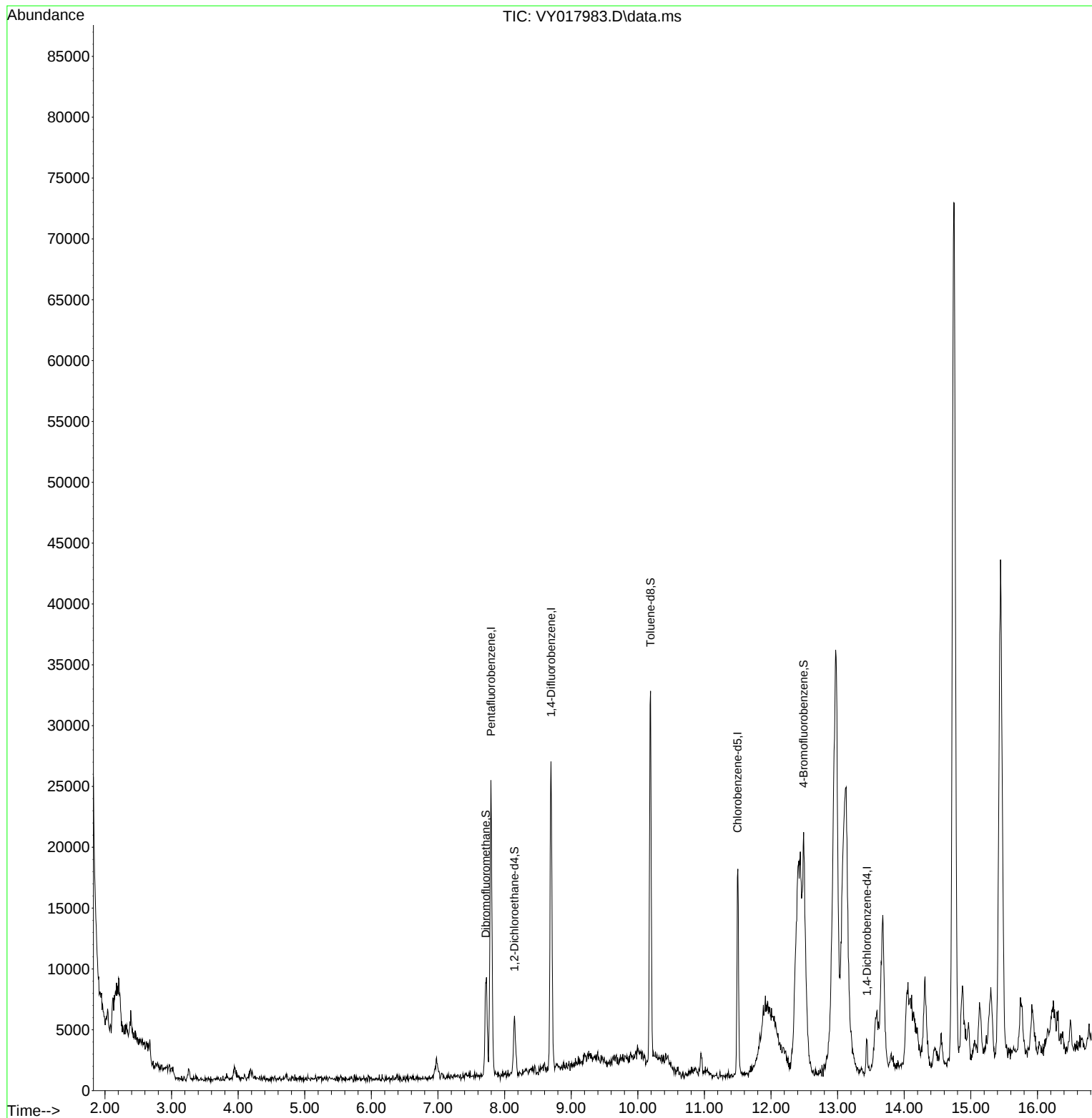
Target Compounds	Qvalue

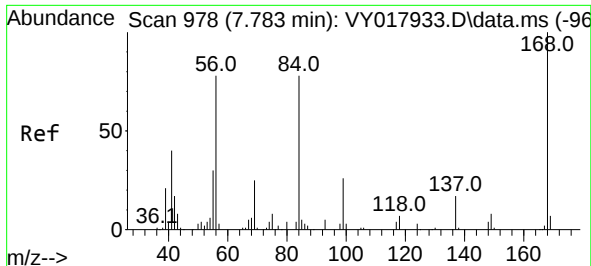
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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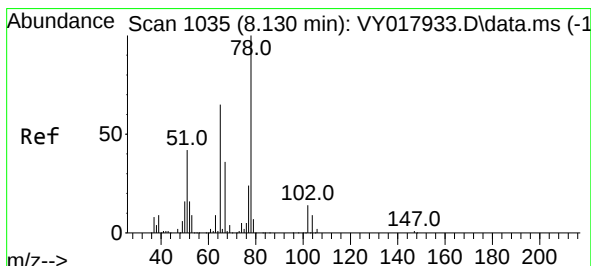
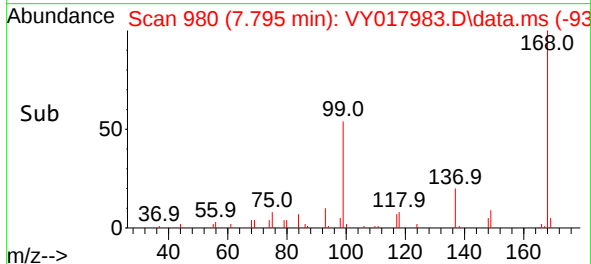
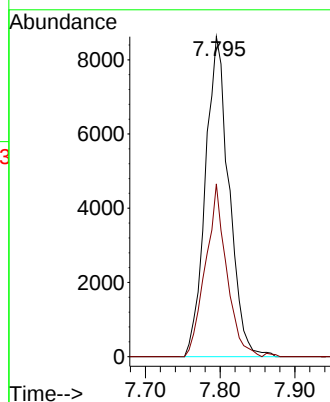
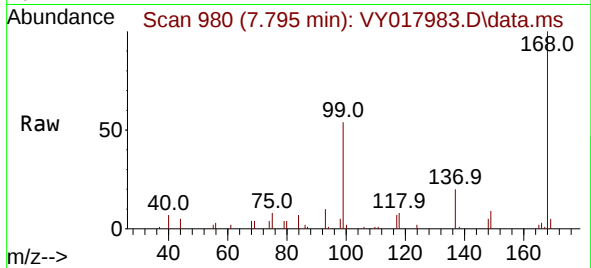




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

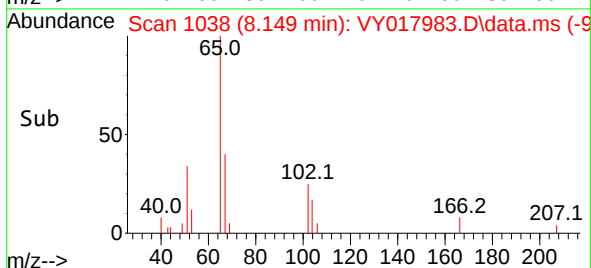
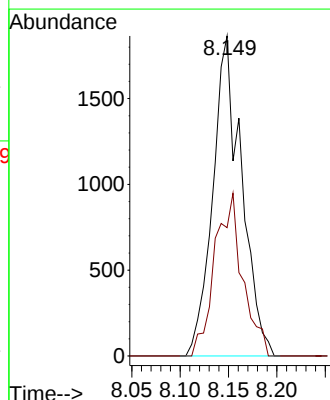
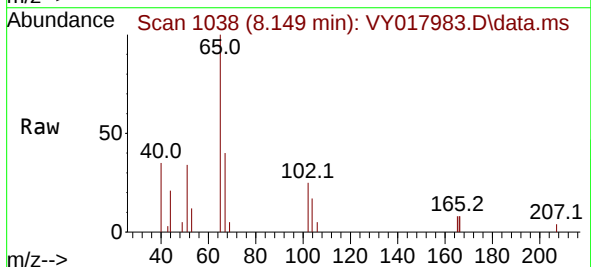
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-5

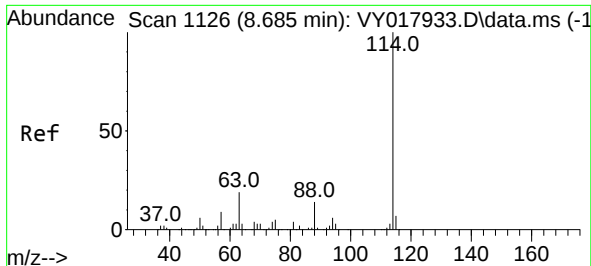
Tgt Ion:168 Resp: 18949
Ion Ratio Lower Upper
168 100
99 54.0 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 23.424 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

Tgt Ion: 65 Resp: 3841
Ion Ratio Lower Upper
65 100
67 49.2 0.0 109.6

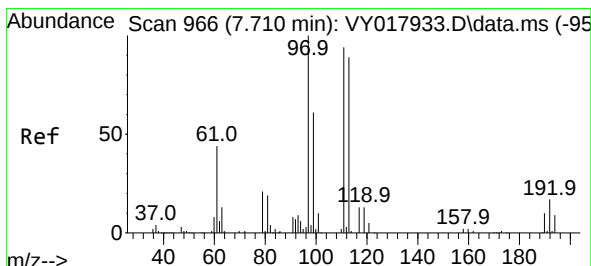
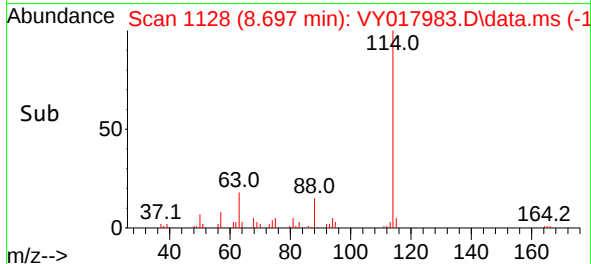
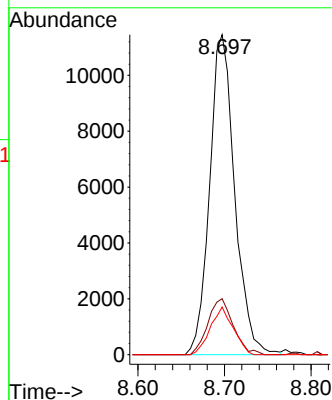
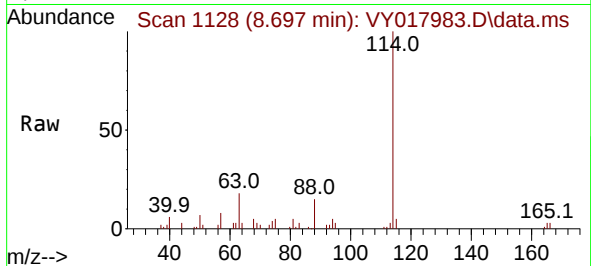




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

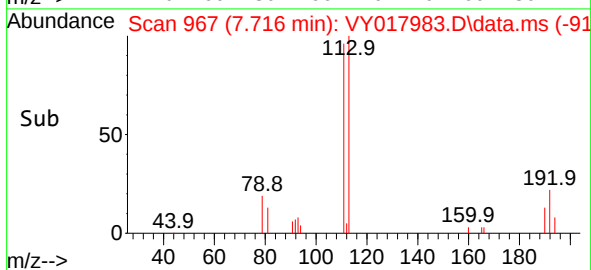
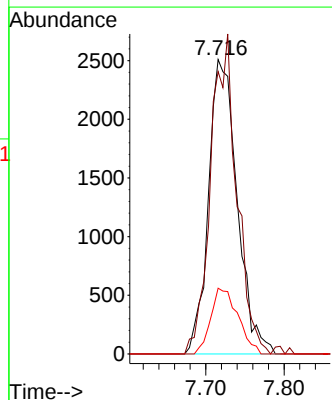
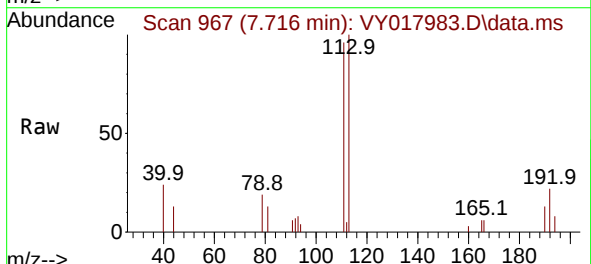
Instrument :
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ClientSampleId :
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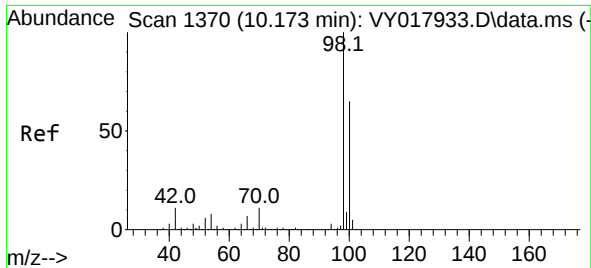
Tgt Ion:	114	Resp:	23047
Ion Ratio	Lower	Upper	
114	100		
63	17.5	0.0	35.0
88	14.9	0.0	27.2



#35
Dibromofluoromethane
Concen: 44.920 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

Tgt Ion:	113	Resp:	6387
Ion Ratio	Lower	Upper	
113	100		
111	98.6	82.2	123.4
192	21.2	15.9	23.9

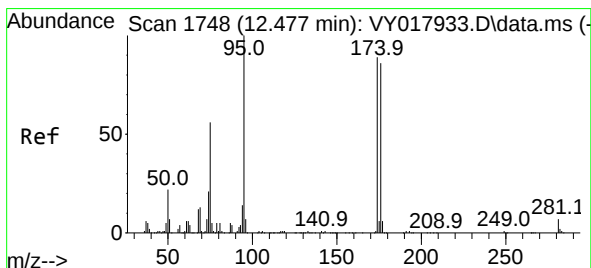
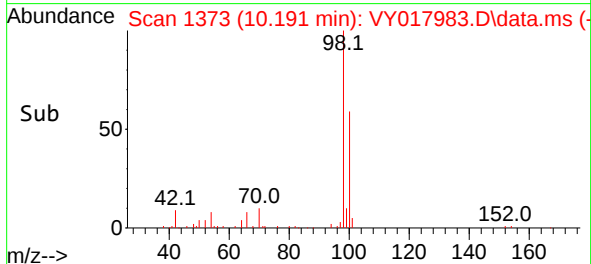
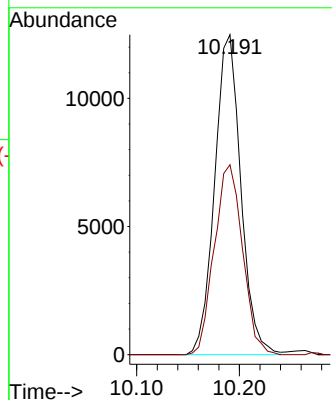
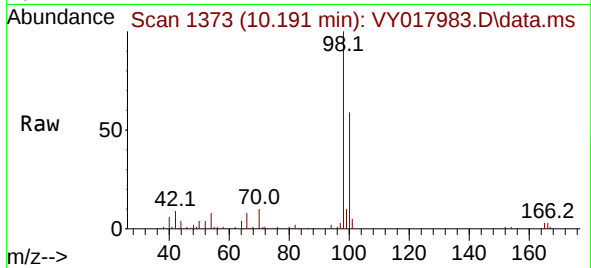




#50
Toluene-d8
Concen: 40.997 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

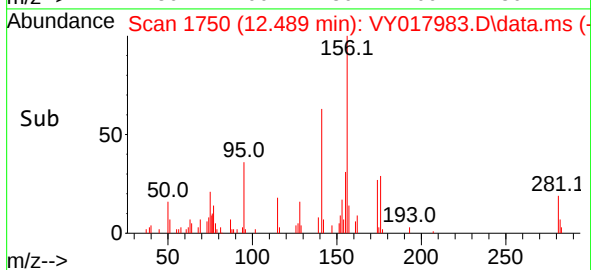
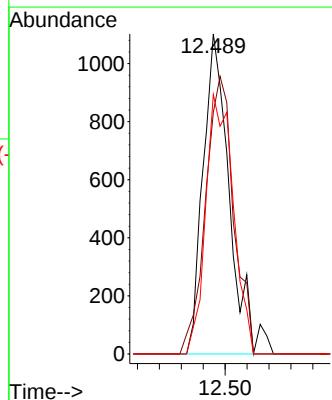
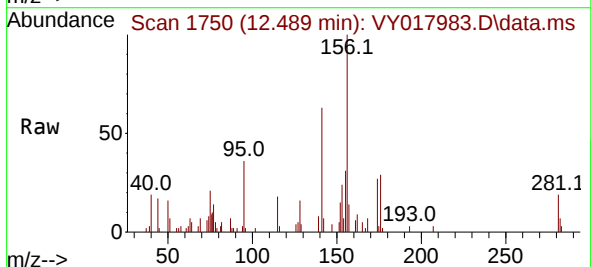
Instrument :
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ClientSampleId :
TOPSOIL-LKWD-DENALI-5

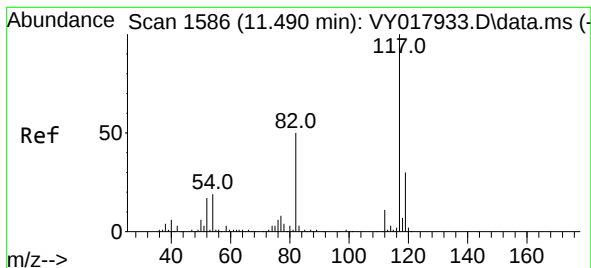
Tgt Ion: 98 Resp: 22119
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 11.042 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017983.D
Acq: 18 Apr 2024 18:02

Tgt Ion: 95 Resp: 1845
Ion Ratio Lower Upper
95 100
174 92.6 0.0 175.6
176 84.6 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: VY017983.D

Acq: 18 Apr 2024 18:02

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-LKWD-DENALI-5

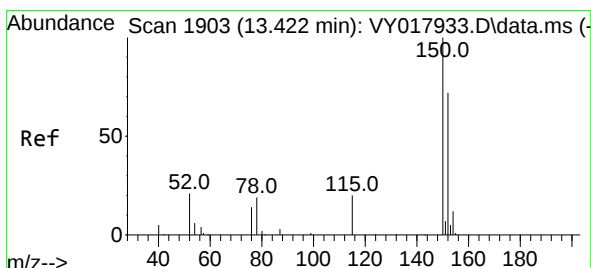
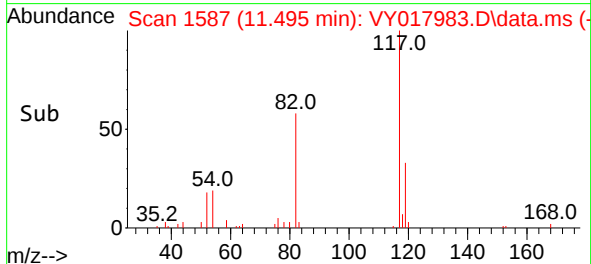
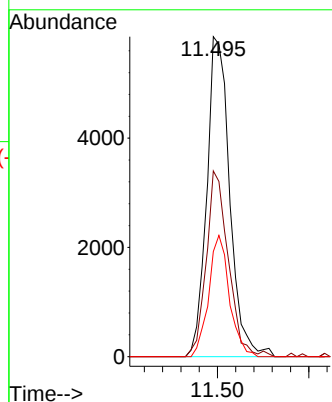
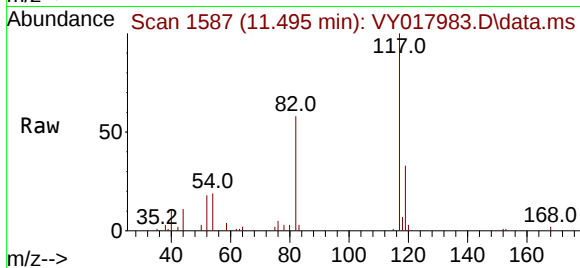
Tgt Ion:117 Resp: 10206

Ion Ratio Lower Upper

117 100

82 58.1 42.4 63.6

119 32.9 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.012 min

Lab File: VY017983.D

Acq: 18 Apr 2024 18:02

Tgt Ion:152 Resp: 1011

Ion Ratio Lower Upper

152 100

115 45.8 28.2 84.7

150 132.5 0.0 345.6

