

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083023\
 Data File : VY015387.D
 Acq On : 30 Aug 2023 19:00
 Operator : SY/MD
 Sample : 04212-01
 Misc : 6.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-OU3-DENALI-2

Quant Time: Aug 31 01:03:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 29 22:47:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.782	168	210560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	359560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	315731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131768	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	136236	60.357	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.720%
35) Dibromofluoromethane	7.709	113	112031	54.095	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.200%
50) Toluene-d8	10.178	98	418527	55.805	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.600%
62) 4-Bromofluorobenzene	12.477	95	130854	46.999	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.000%

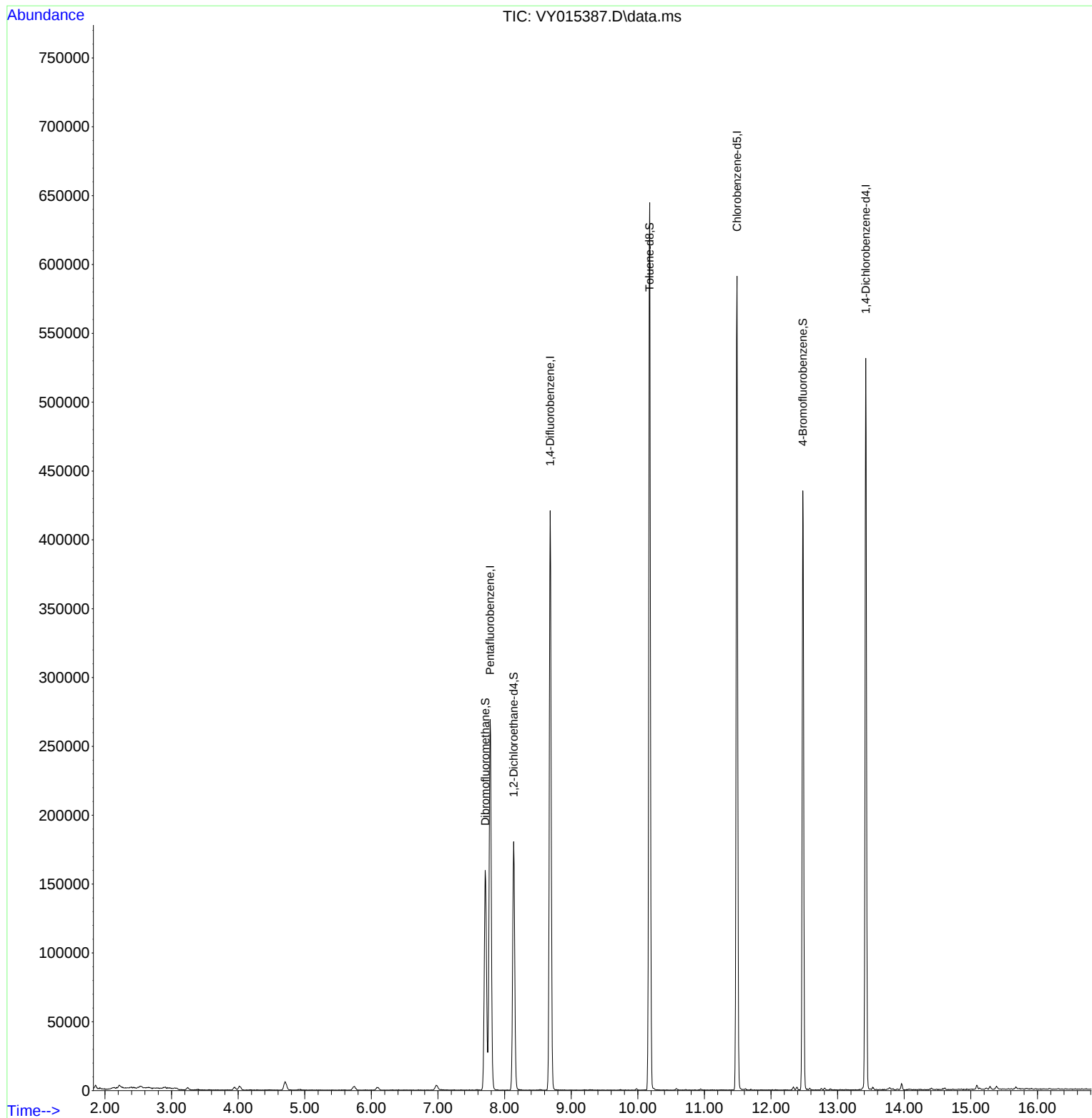
Target Compounds	Qvalue

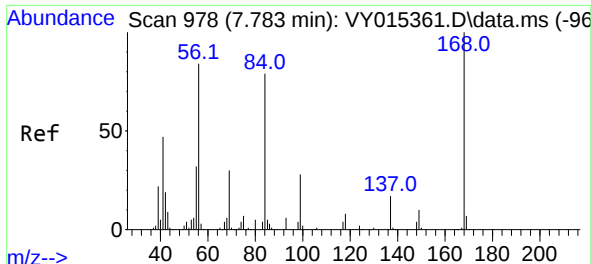
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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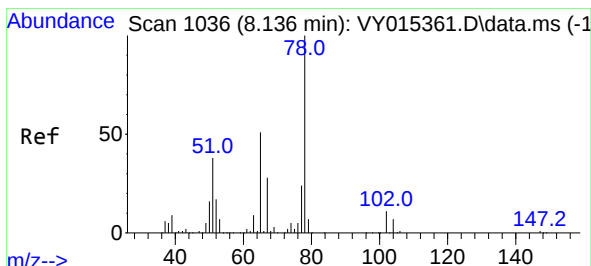
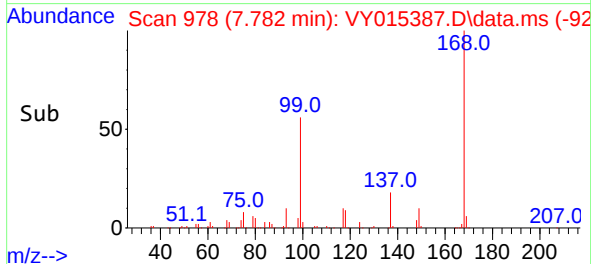
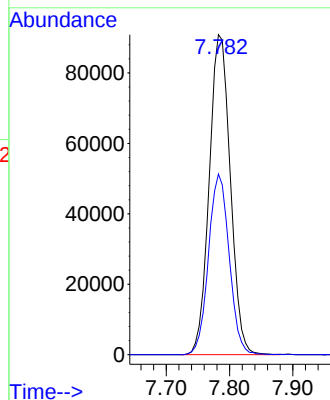
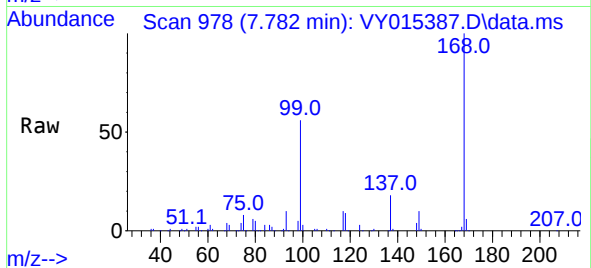




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY015387.D
Acq: 30 Aug 2023 19:00

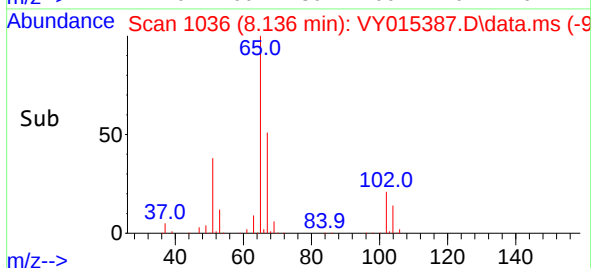
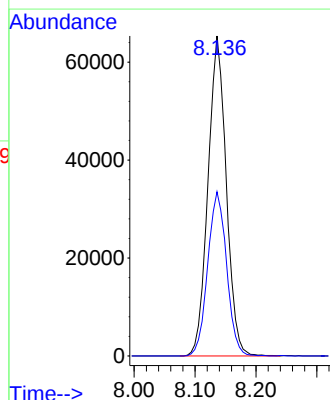
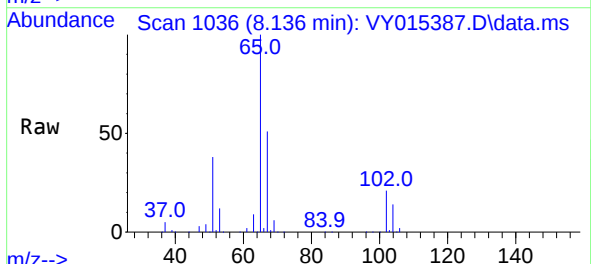
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-2

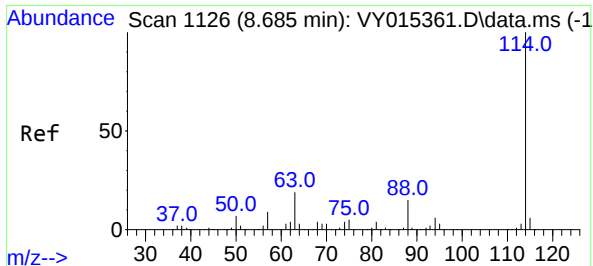
Tgt Ion:168 Resp: 210560
Ion Ratio Lower Upper
168 100
99 56.4 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 60.357 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY015387.D
Acq: 30 Aug 2023 19:00

Tgt Ion: 65 Resp: 136236
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015387.D

Acq: 30 Aug 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-OU3-DENALI-2

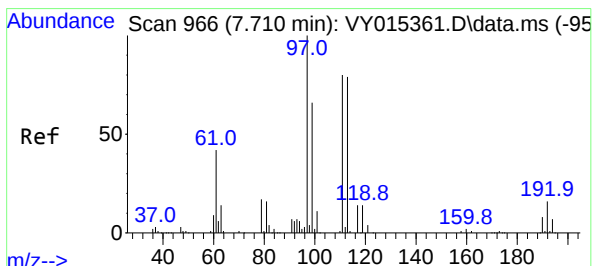
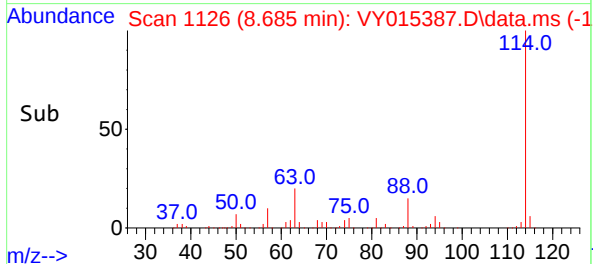
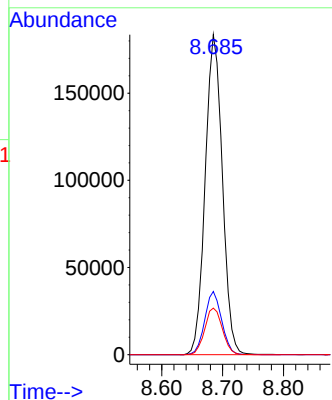
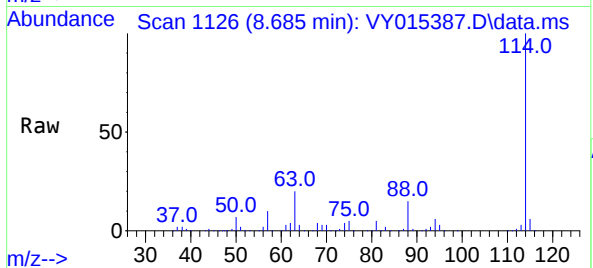
Tgt Ion:114 Resp: 359560

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.095 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015387.D

Acq: 30 Aug 2023 19:00

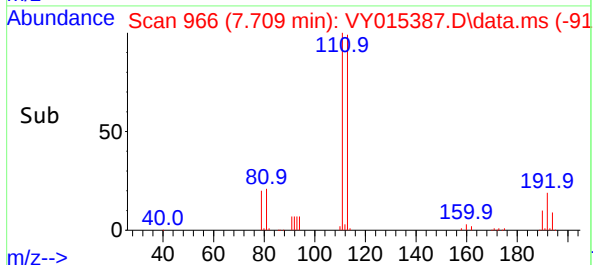
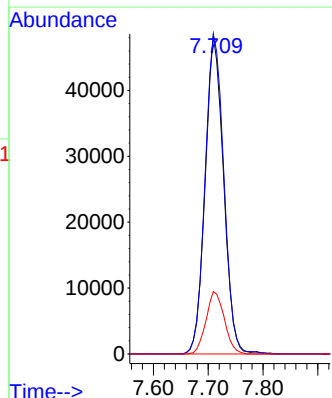
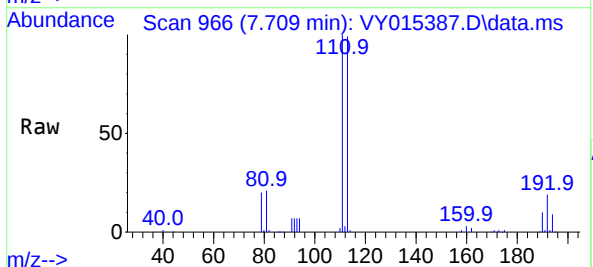
Tgt Ion:113 Resp: 112031

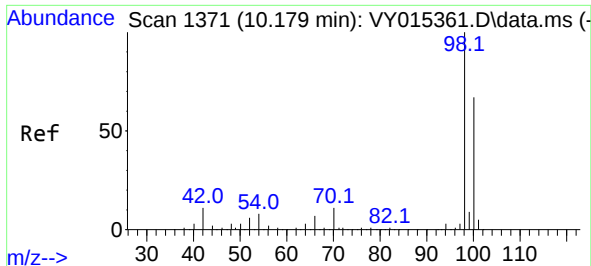
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 19.6 16.9 25.3

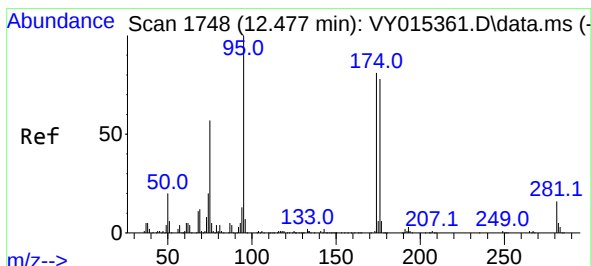
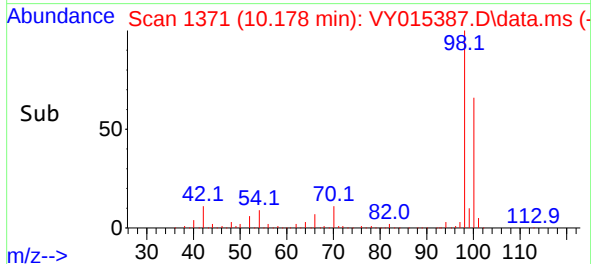
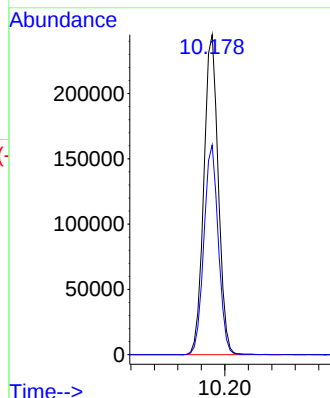
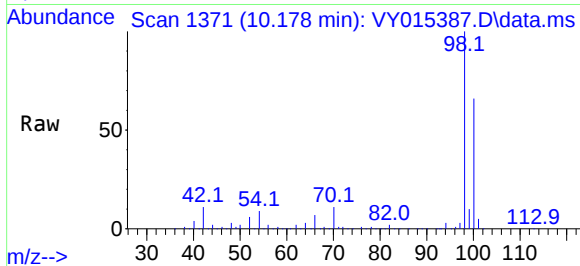




#50
Toluene-d8
Concen: 55.805 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015387.D
Acq: 30 Aug 2023 19:00

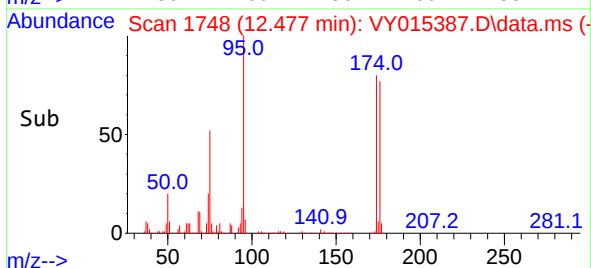
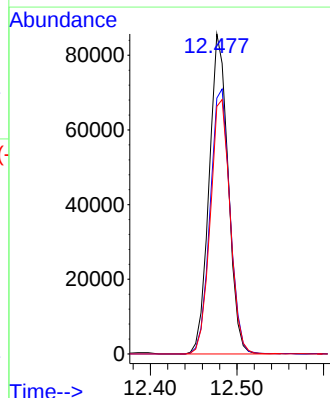
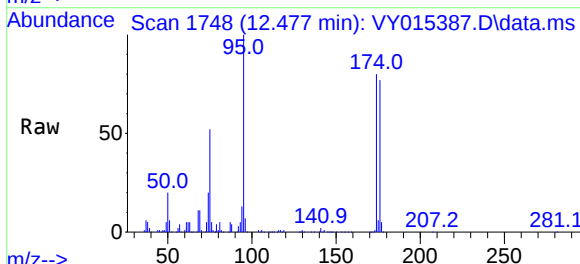
Instrument :
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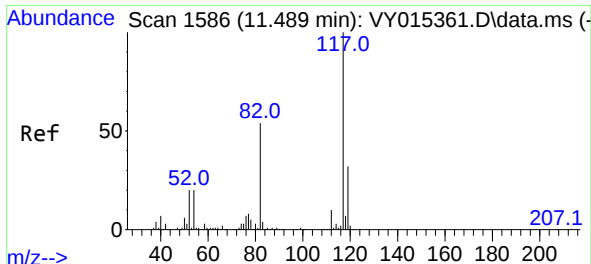
Tgt Ion: 98 Resp: 418527
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 46.999 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015387.D
Acq: 30 Aug 2023 19:00

Tgt Ion: 95 Resp: 130854
Ion Ratio Lower Upper
95 100
174 86.2 0.0 178.2
176 82.6 0.0 173.8

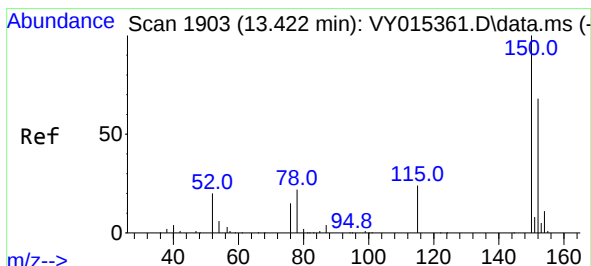
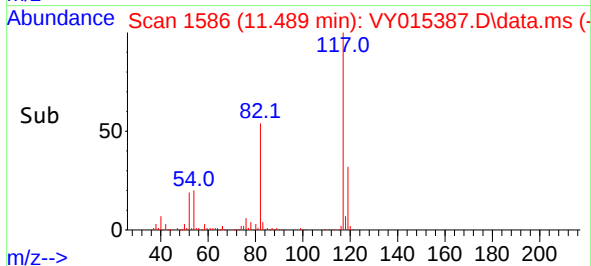
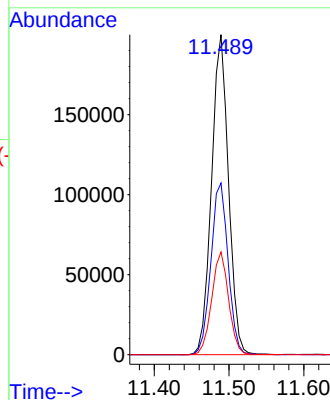
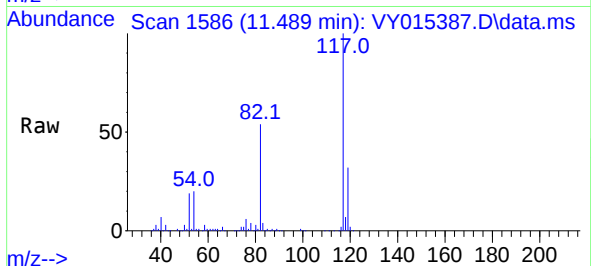




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015387.D
Acq: 30 Aug 2023 19:00

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-2

Tgt Ion:117 Resp: 315731
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 32.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015387.D
Acq: 30 Aug 2023 19:00

Tgt Ion:152 Resp: 131768
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 158.4 0.0 348.8

