

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120523\
 Data File : VY016594.D
 Acq On : 05 Dec 2023 14:23
 Operator : SY/MD
 Sample : 05600-01
 Misc : 3.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-LKWD-DENALI-1

Quant Time: Dec 06 02:24:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 05 01:24:25 2023
 Response via : Initial Calibration

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

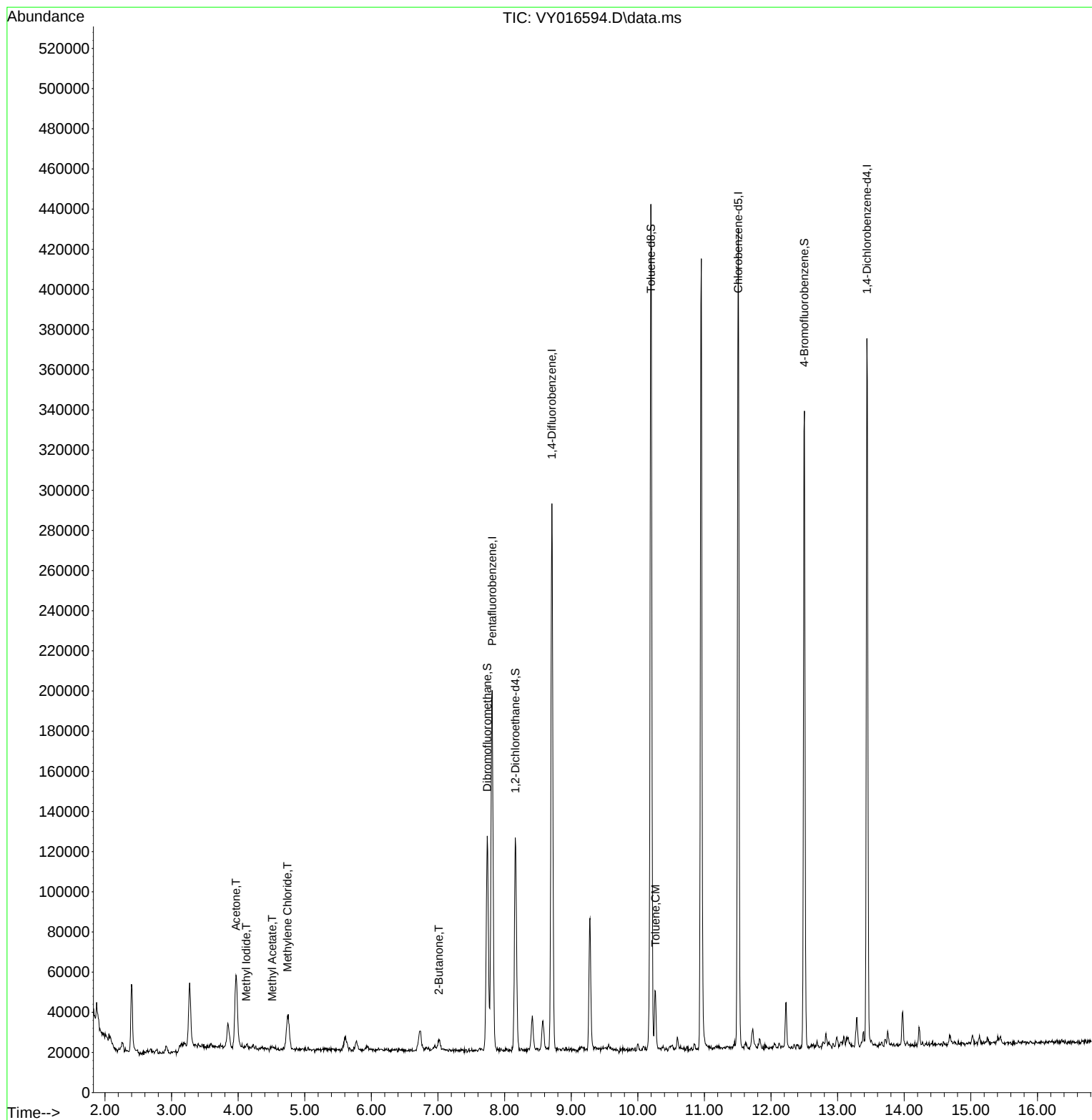
Internal Standards						
1) Pentafluorobenzene	7.813	168	145465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.709	114	237744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	224554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	97061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	86582	64.398	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 128.800%		
35) Dibromofluoromethane	7.740	113	73021	51.037	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 102.080%		
50) Toluene-d8	10.197	98	275116	50.836	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 101.680%		
62) 4-Bromofluorobenzene	12.501	95	94659	53.188	ug/l	0.01
Spiked Amount	50.000	Range 30 - 143	Recovery	= 106.380%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.119	142	2642	1.757	ug/l #	94
16) Acetone	3.966	43	65926	216.688	ug/l	94
18) Methyl Acetate	4.509	43	1456	1.207	ug/l #	85
20) Methylene Chloride	4.740	84	13292	7.014	ug/l #	80
25) 2-Butanone	7.014	43	7704	18.415	ug/l	90
52) Toluene	10.264	92	11691	3.043	ug/l	99

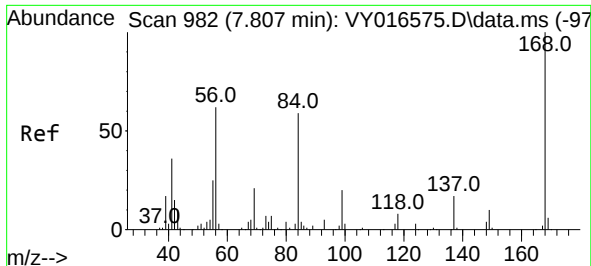
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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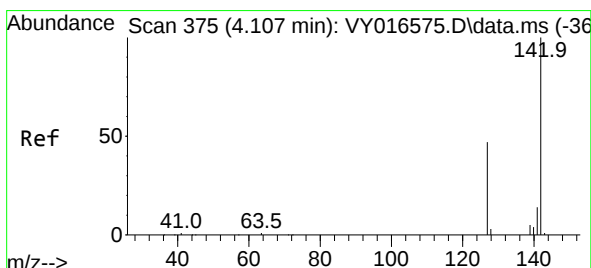
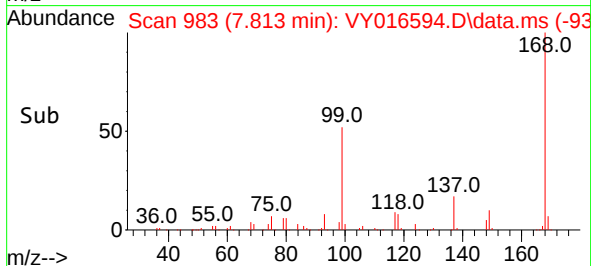
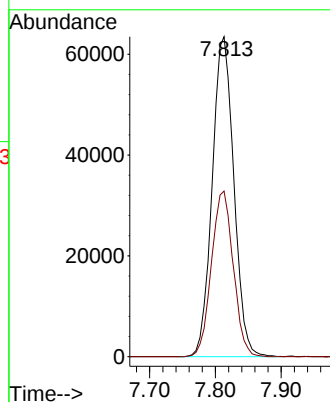
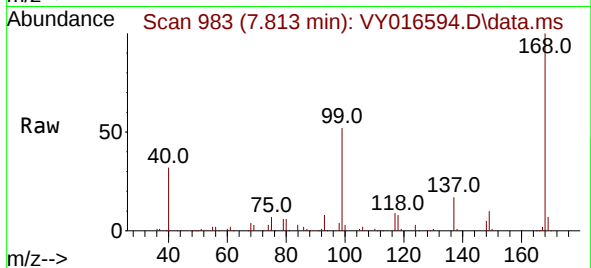




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016594.D
Acq: 05 Dec 2023 14:23

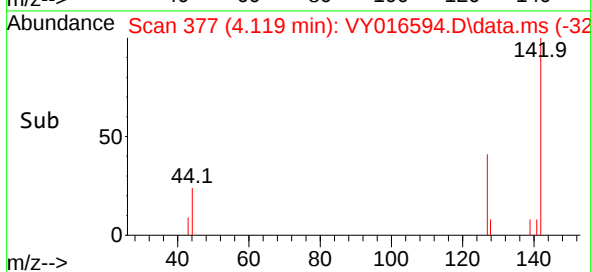
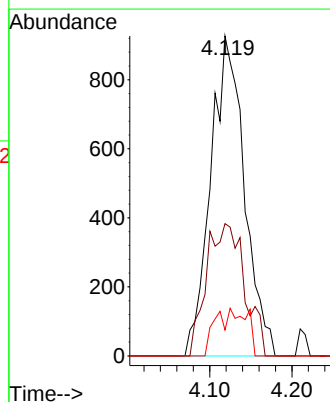
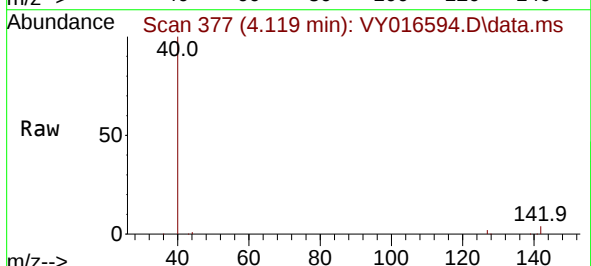
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-1

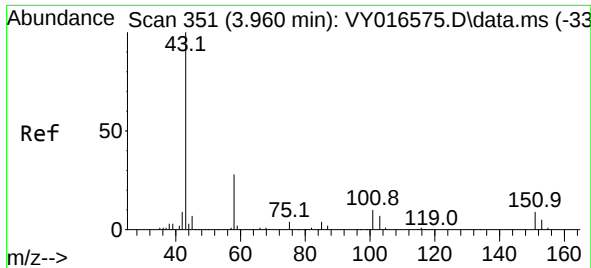
Tgt Ion:168 Resp: 145465
Ion Ratio Lower Upper
168 100
99 51.7 43.4 65.0



#10
Methyl Iodide
Concen: 1.757 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.012 min
Lab File: VY016594.D
Acq: 05 Dec 2023 14:23

Tgt Ion:142 Resp: 2642
Ion Ratio Lower Upper
142 100
127 46.6 37.6 56.4
141 5.5 11.8 17.8#

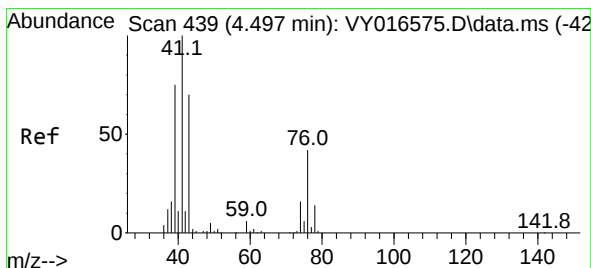
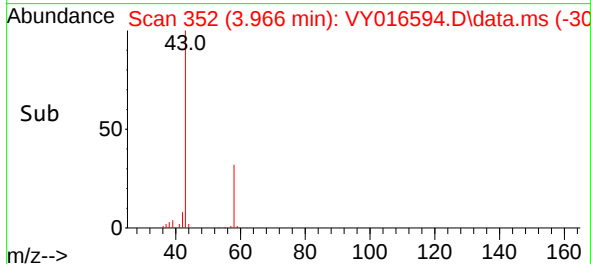
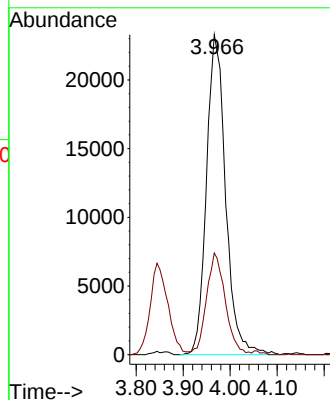
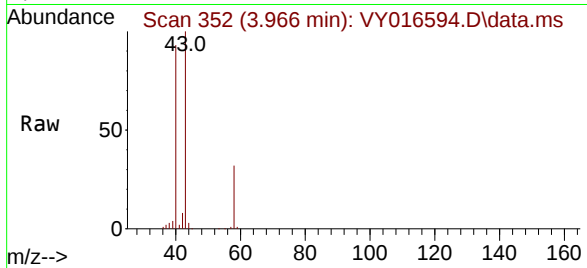




#16
Acetone
Concen: 216.688 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY016594.D
Acq: 05 Dec 2023 14:23

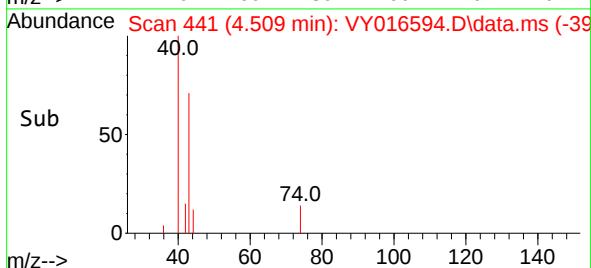
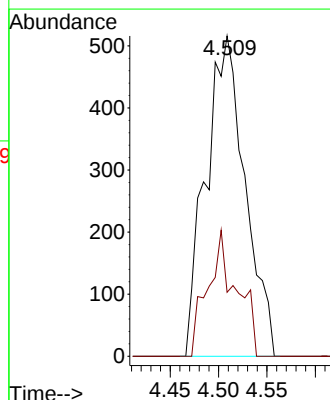
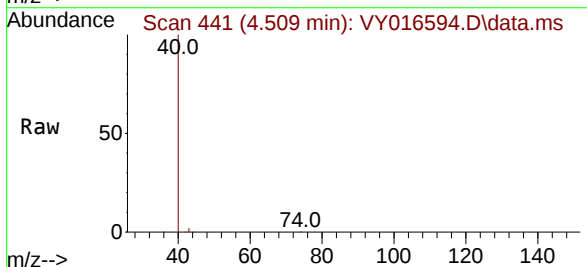
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-1

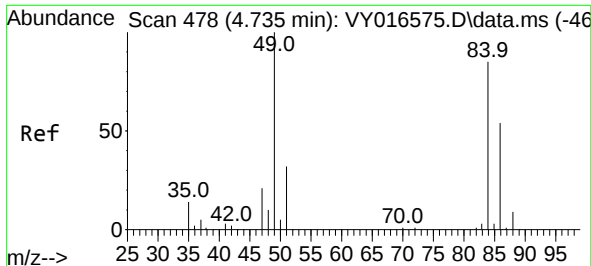
Tgt Ion: 43 Resp: 65926
Ion Ratio Lower Upper
43 100
58 31.8 22.7 34.1



#18
Methyl Acetate
Concen: 1.207 ug/l
RT: 4.509 min Scan# 441
Delta R.T. 0.012 min
Lab File: VY016594.D
Acq: 05 Dec 2023 14:23

Tgt Ion: 43 Resp: 1456
Ion Ratio Lower Upper
43 100
74 28.9 17.4 26.0#

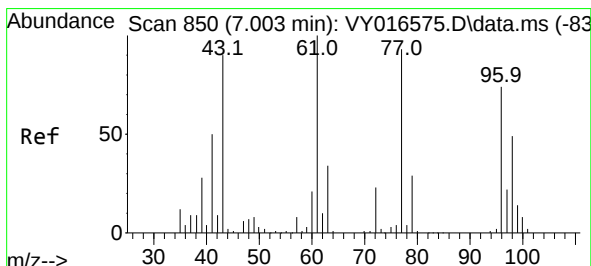
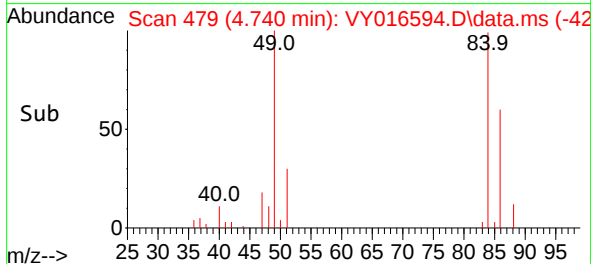
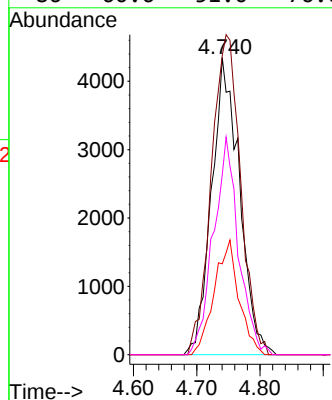
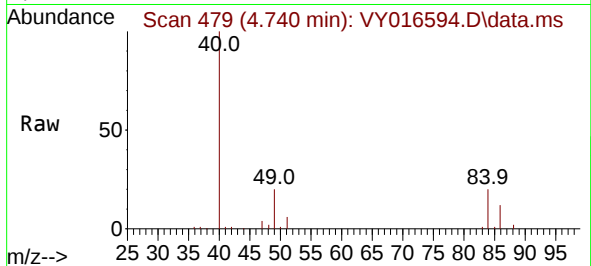




#20
Methylene Chloride
Concen: 7.014 ug/l
RT: 4.740 min Scan# 41
Delta R.T. 0.005 min
Lab File: VY016594.D
Acq: 05 Dec 2023 14:23

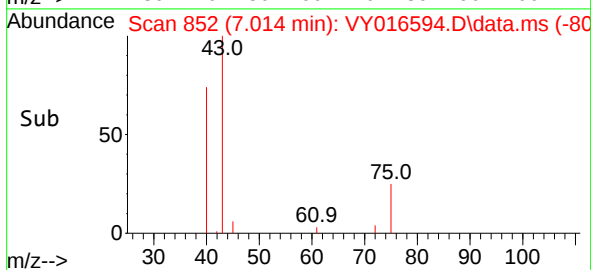
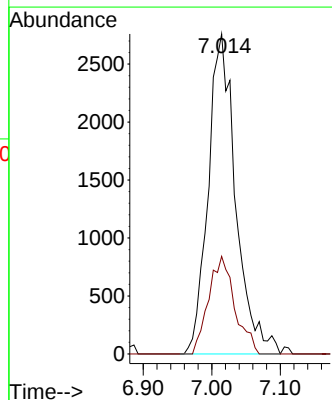
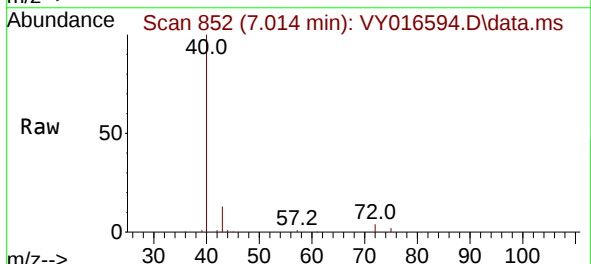
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-1

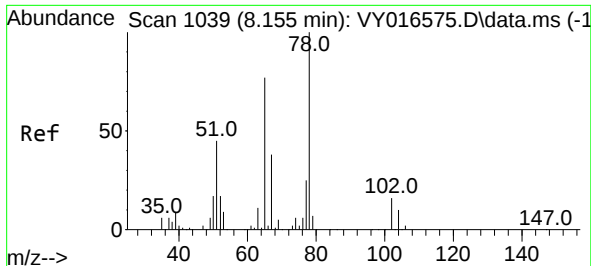
Tgt Ion: 84 Resp: 13292
Ion Ratio Lower Upper
84 100
49 100.8 106.9 160.3#
51 30.6 33.2 49.8#
86 60.6 51.0 76.6



#25
2-Butanone
Concen: 18.415 ug/l
RT: 7.014 min Scan# 852
Delta R.T. 0.012 min
Lab File: VY016594.D
Acq: 05 Dec 2023 14:23

Tgt Ion: 43 Resp: 7704
Ion Ratio Lower Upper
43 100
72 30.5 20.5 30.7





#33

1,2-Dichloroethane-d4

Concen: 64.398 ug/l

RT: 8.161 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016594.D

Acq: 05 Dec 2023 14:23

Instrument :

MSVOA_Y

ClientSampleId :

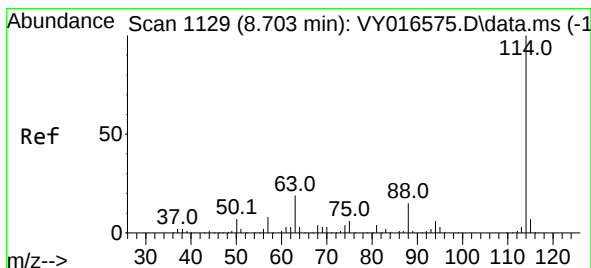
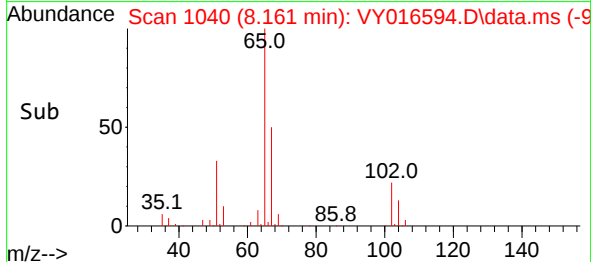
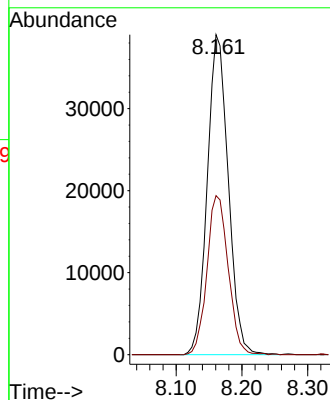
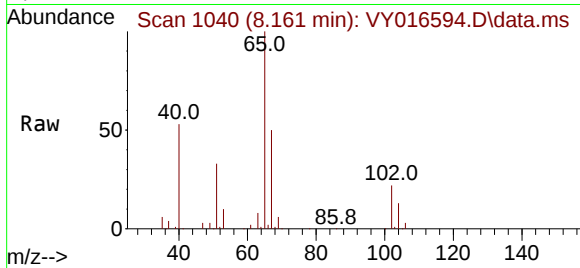
TOPSOIL-LKWD-DENALI-1

Tgt Ion: 65 Resp: 86582

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016594.D

Acq: 05 Dec 2023 14:23

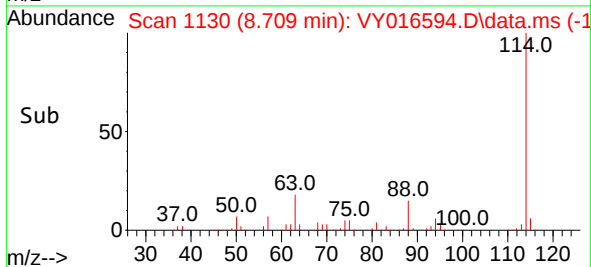
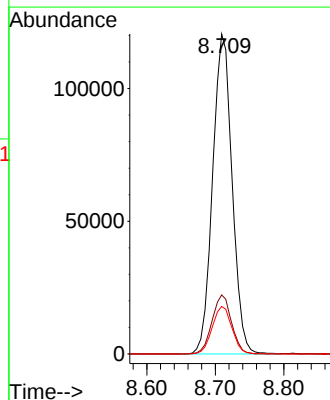
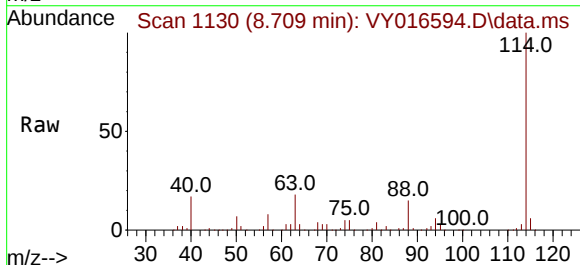
Tgt Ion: 114 Resp: 237744

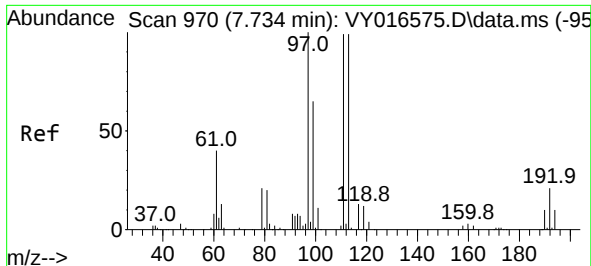
Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 14.8 0.0 30.6

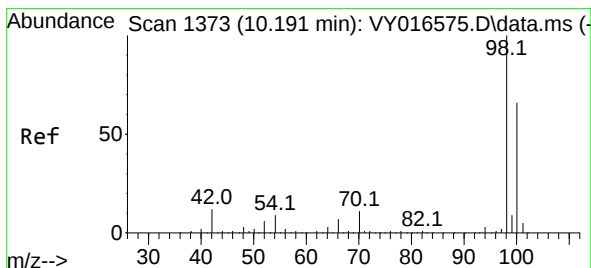
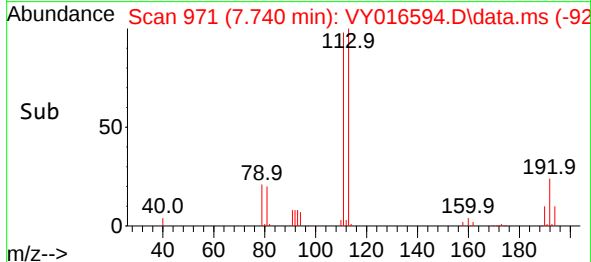
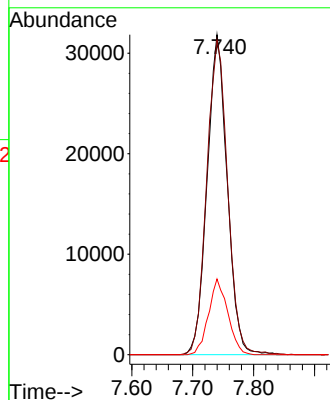
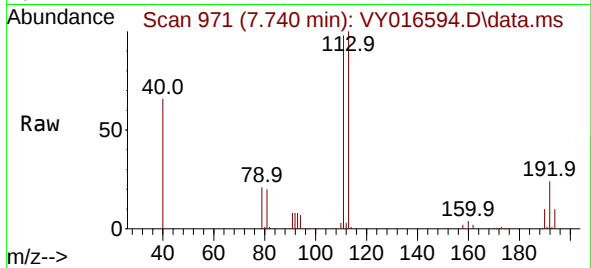




#35
Dibromofluoromethane
Concen: 51.037 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016594.D
Acq: 05 Dec 2023 14:23

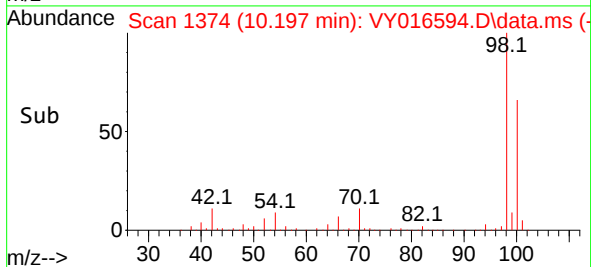
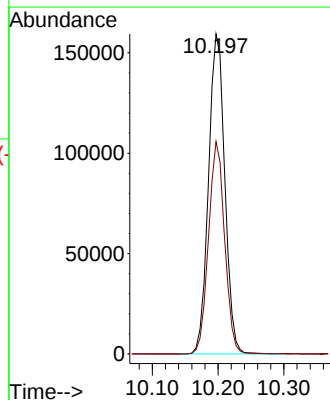
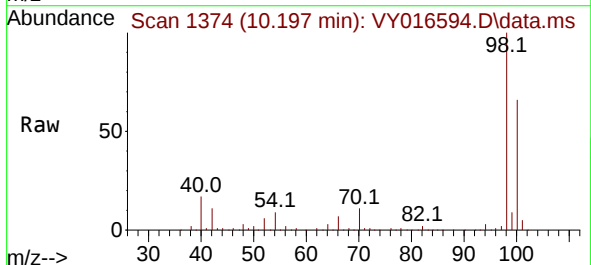
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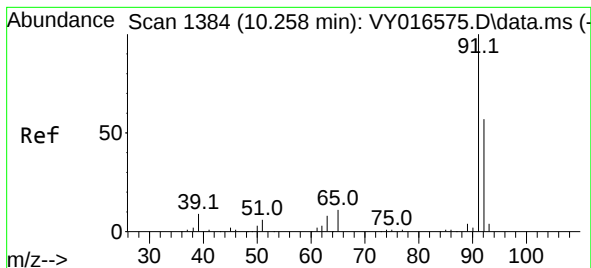
Tgt Ion:113 Resp: 73021
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 22.7 16.9 25.3



#50
Toluene-d8
Concen: 50.836 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.006 min
Lab File: VY016594.D
Acq: 05 Dec 2023 14:23

Tgt Ion: 98 Resp: 275116
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1





#52

Toluene

Concen: 3.043 ug/l

RT: 10.264 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016594.D

Acq: 05 Dec 2023 14:23

Instrument :

MSVOA_Y

ClientSampleId :

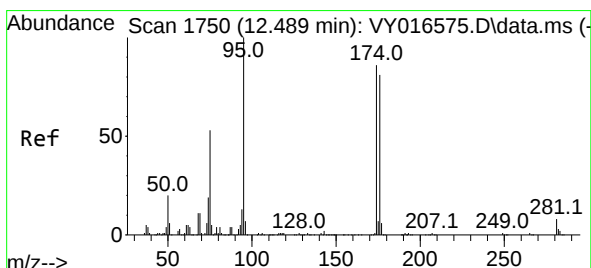
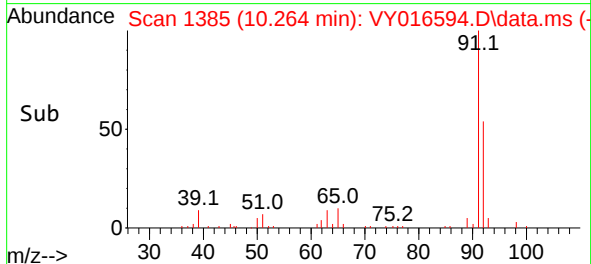
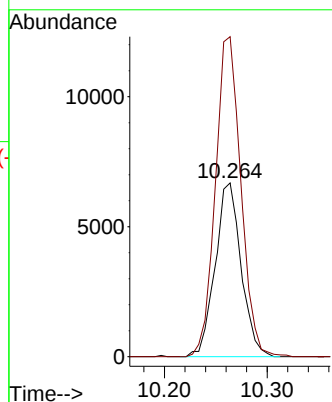
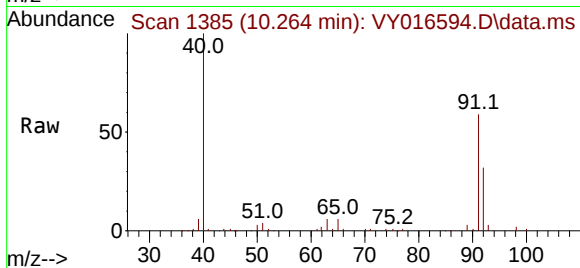
TOPSOIL-LKWD-DENALI-1

Tgt Ion: 92 Resp: 11691

Ion Ratio Lower Upper

92 100

91 181.1 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 53.188 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY016594.D

Acq: 05 Dec 2023 14:23

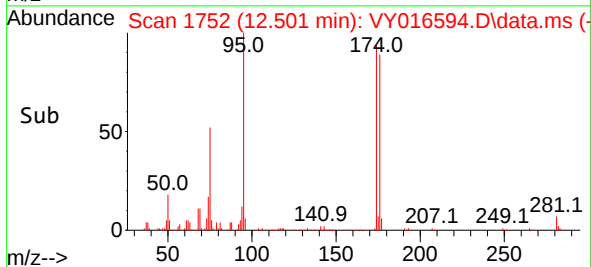
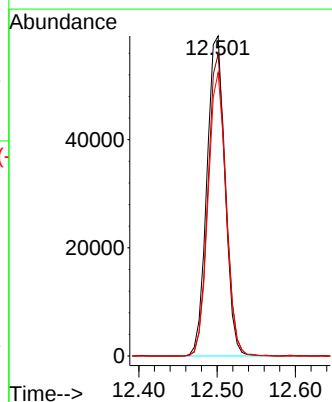
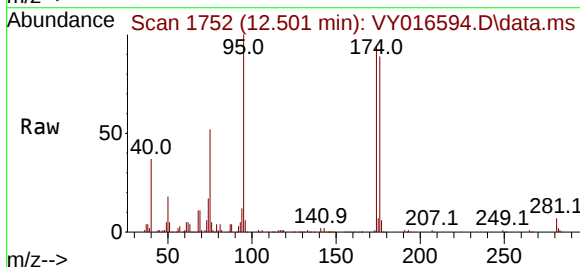
Tgt Ion: 95 Resp: 94659

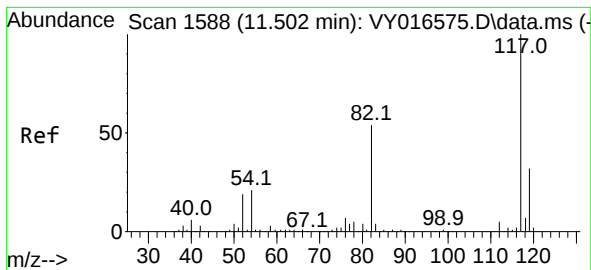
Ion Ratio Lower Upper

95 100

174 93.6 0.0 178.2

176 88.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016594.D

Acq: 05 Dec 2023 14:23

Instrument :

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ClientSampleId :

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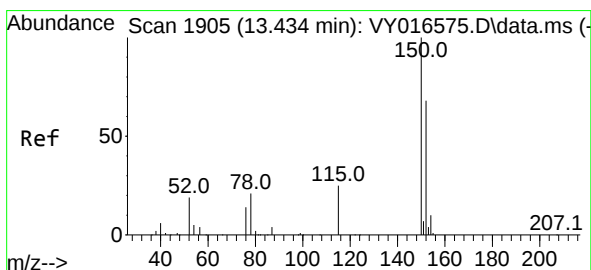
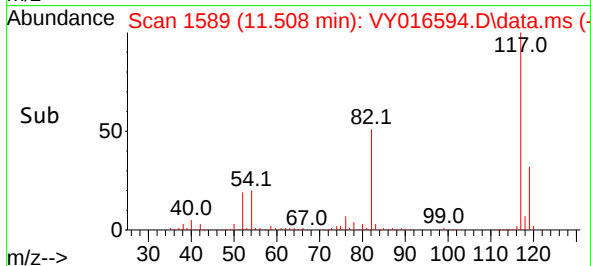
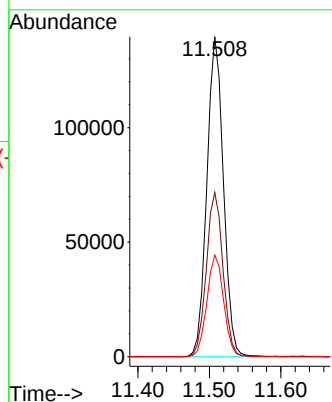
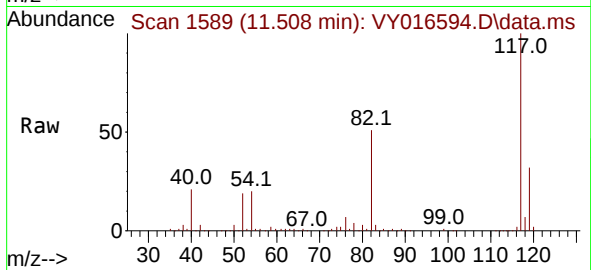
Tgt Ion:117 Resp: 224554

Ion Ratio Lower Upper

117 100

82 51.4 43.4 65.0

119 31.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY016594.D

Acq: 05 Dec 2023 14:23

Tgt Ion:152 Resp: 97061

Ion Ratio Lower Upper

152 100

115 54.6 28.8 86.5

150 156.8 0.0 348.8

