

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120523\
 Data File : VY016595.D
 Acq On : 05 Dec 2023 14:46
 Operator : SY/MD
 Sample : 05600-03
 Misc : 2.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Dec 06 02:24:46 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)

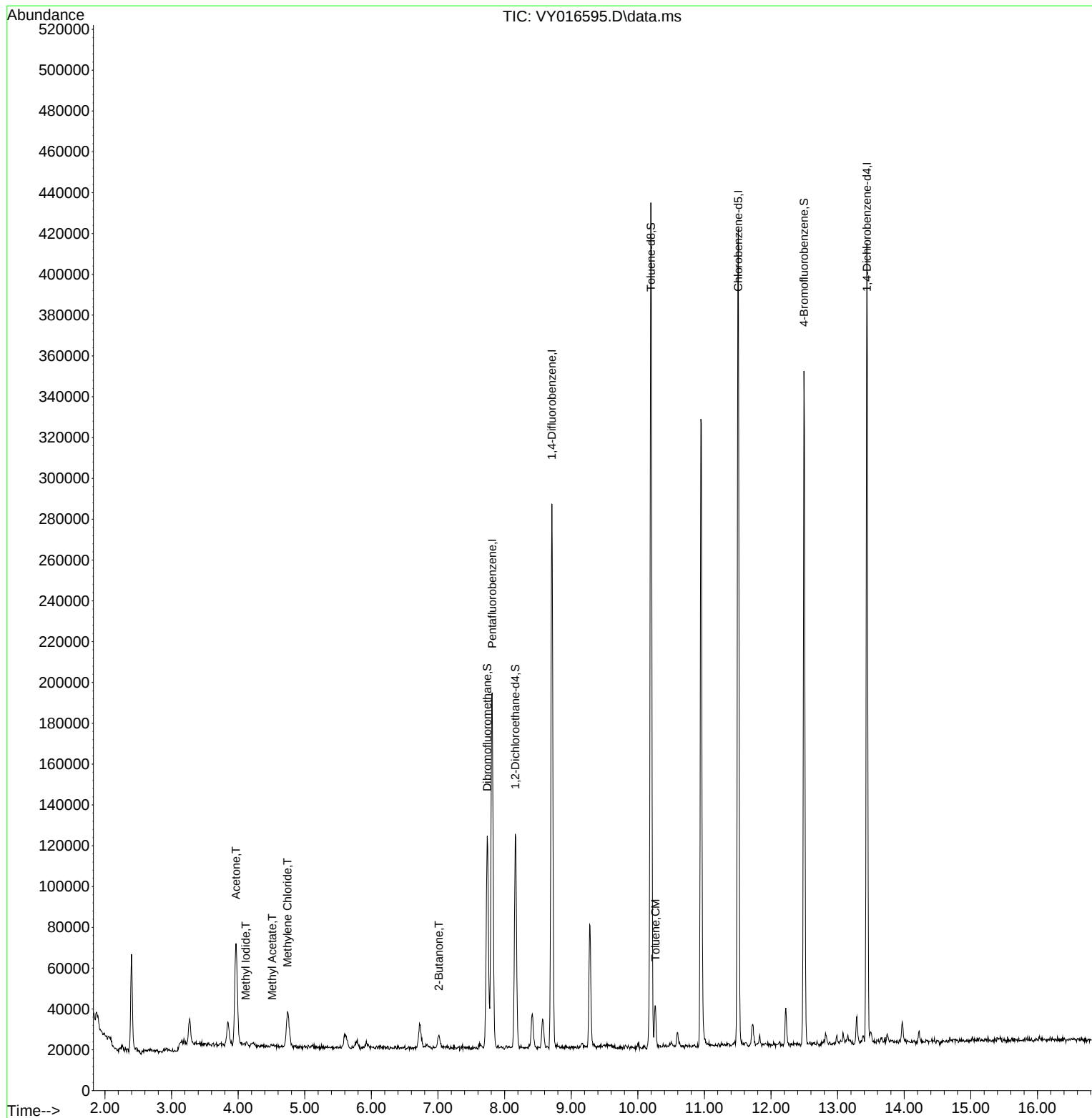
Internal Standards						
1) Pentafluorobenzene	7.813	168	142801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.709	114	234613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	222674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	103609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	86851	65.803	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.600%	
35) Dibromofluoromethane	7.740	113	71839	50.881	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.760%	
50) Toluene-d8	10.197	98	269401	50.444	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.880%	
62) 4-Bromofluorobenzene	12.495	95	96700	55.060	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.120%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.113	142	1963	1.330	ug/l #	91
16) Acetone	3.966	43	91187	305.309	ug/l	96
18) Methyl Acetate	4.509	43	2117	1.788	ug/l #	80
20) Methylene Chloride	4.741	84	13745	7.581	ug/l	87
25) 2-Butanone	7.015	43	9337	22.735	ug/l #	70
52) Toluene	10.264	92	8606	2.270	ug/l	93

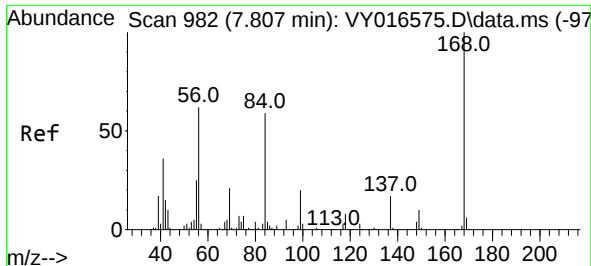
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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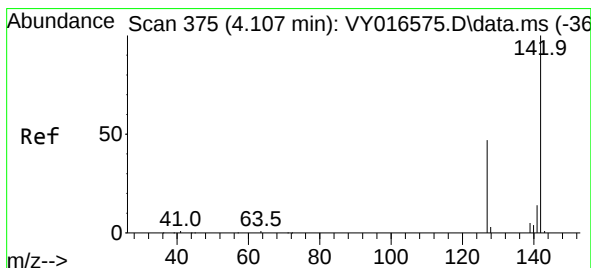
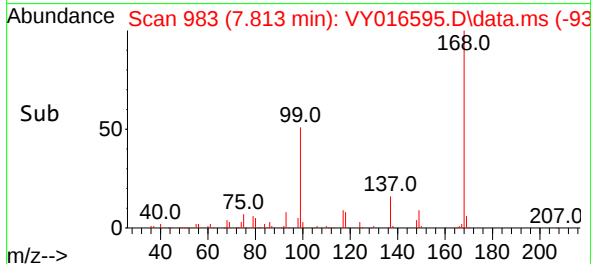
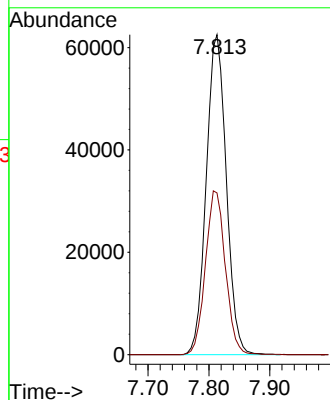
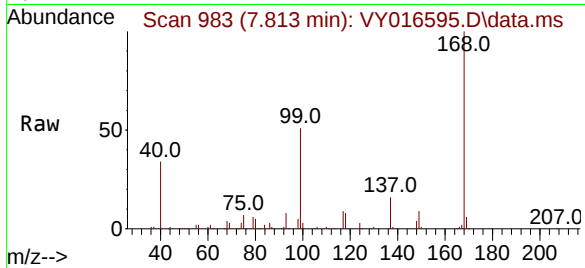




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016595.D
Acq: 05 Dec 2023 14:46

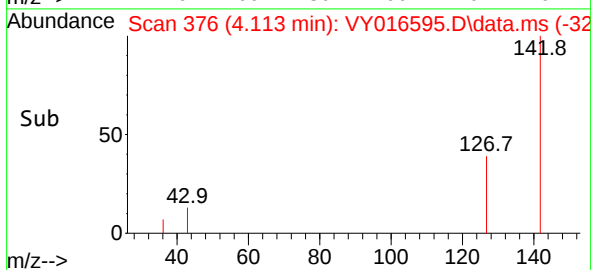
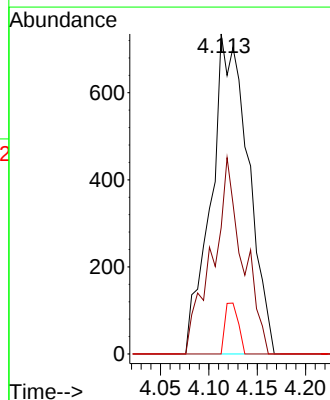
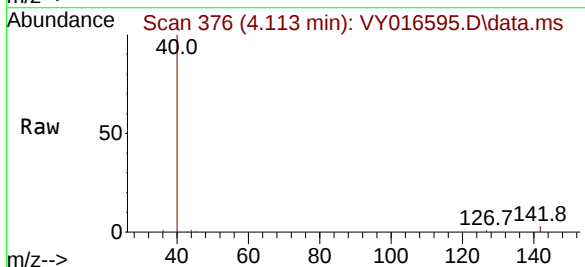
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-2

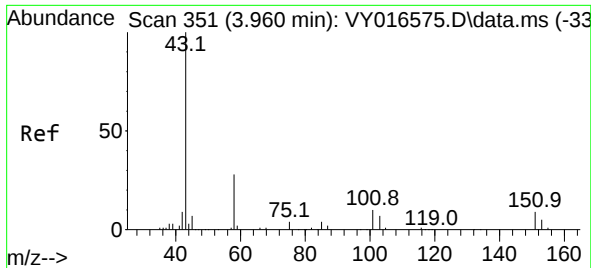
Tgt Ion:168 Resp: 142801
Ion Ratio Lower Upper
168 100
99 50.5 43.4 65.0



#10
Methyl Iodide
Concen: 1.330 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY016595.D
Acq: 05 Dec 2023 14:46

Tgt Ion:142 Resp: 1963
Ion Ratio Lower Upper
142 100
127 50.4 37.6 56.4
141 5.6 11.8 17.8#

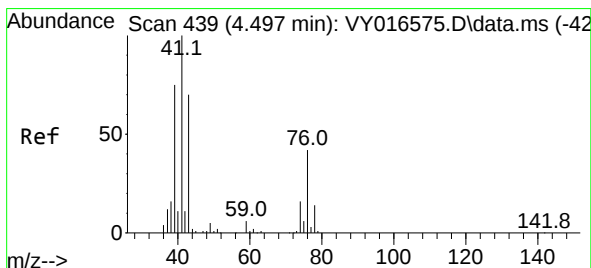
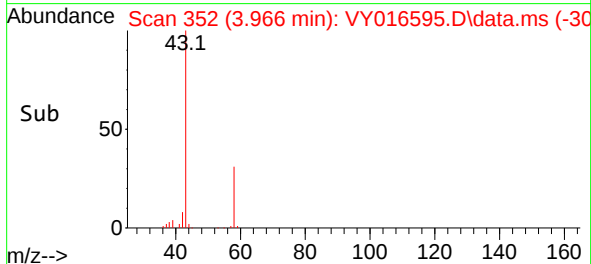
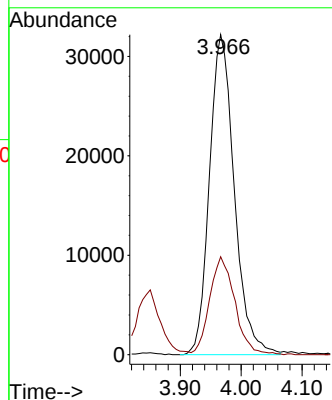
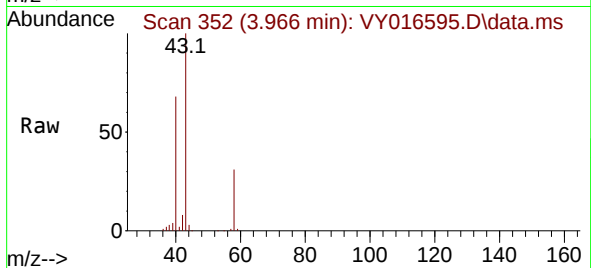




#16
Acetone
Concen: 305.309 ug/l
RT: 3.966 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY016595.D
Acq: 05 Dec 2023 14:46

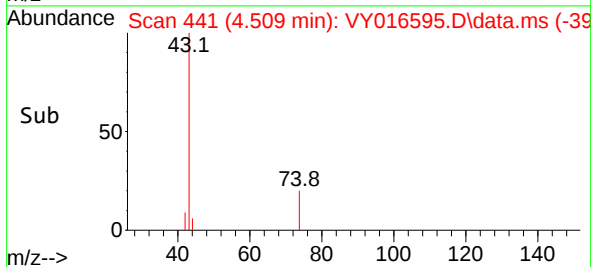
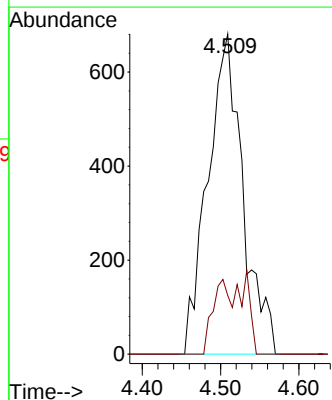
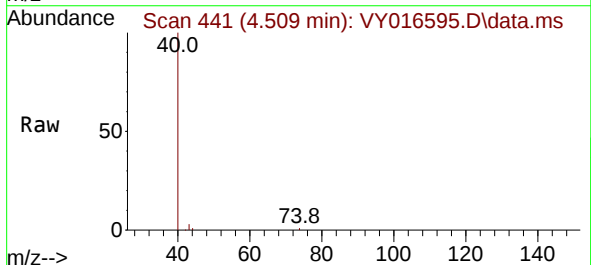
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-2

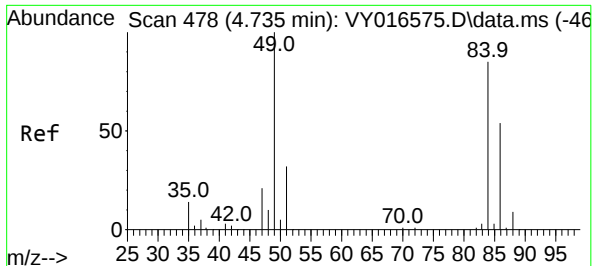
Tgt Ion: 43 Resp: 91187
Ion Ratio Lower Upper
43 100
58 30.3 22.7 34.1



#18
Methyl Acetate
Concen: 1.788 ug/l
RT: 4.509 min Scan# 441
Delta R.T. 0.012 min
Lab File: VY016595.D
Acq: 05 Dec 2023 14:46

Tgt Ion: 43 Resp: 2117
Ion Ratio Lower Upper
43 100
74 12.0 17.4 26.0#





#20

Methylene Chloride

Concen: 7.581 ug/l

RT: 4.741 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY016595.D

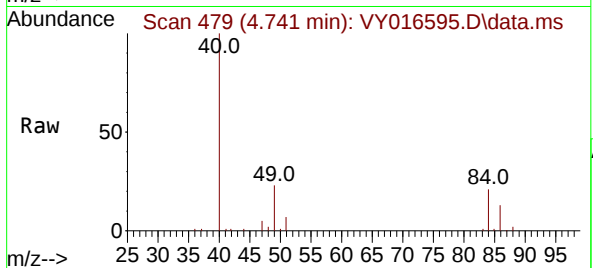
Acq: 05 Dec 2023 14:46

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-LKWD-DENALI-2



Tgt Ion: 84 Resp: 13745

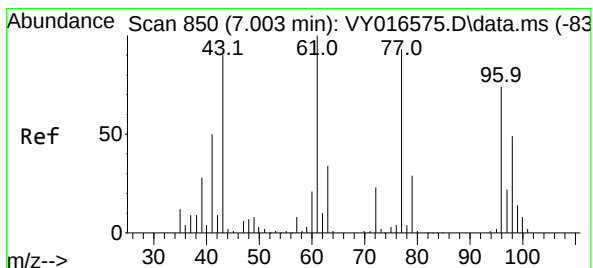
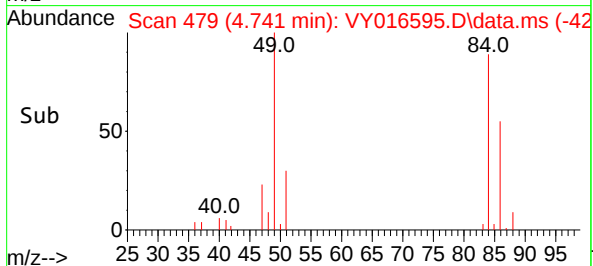
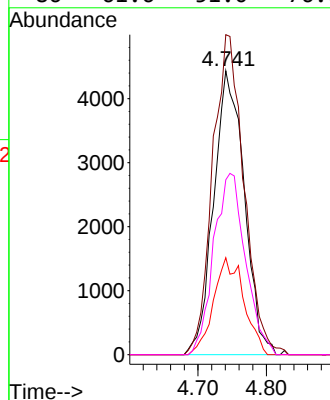
Ion Ratio Lower Upper

84 100

49 112.7 106.9 160.3

51 34.2 33.2 49.8

86 61.6 51.0 76.6



#25

2-Butanone

Concen: 22.735 ug/l

RT: 7.015 min Scan# 852

Delta R.T. 0.012 min

Lab File: VY016595.D

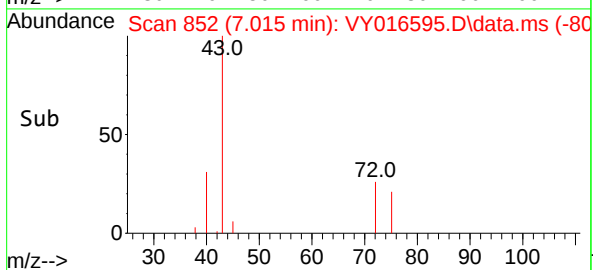
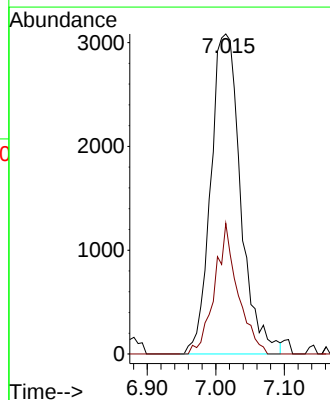
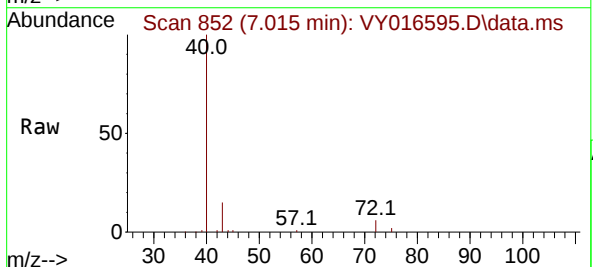
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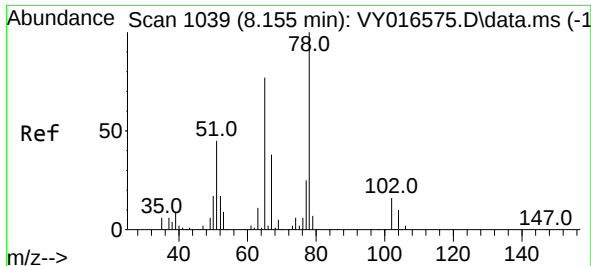
Tgt Ion: 43 Resp: 9337

Ion Ratio Lower Upper

43 100

72 40.8 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 65.803 ug/l

RT: 8.161 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016595.D

Acq: 05 Dec 2023 14:46

Instrument :

MSVOA_Y

ClientSampleId :

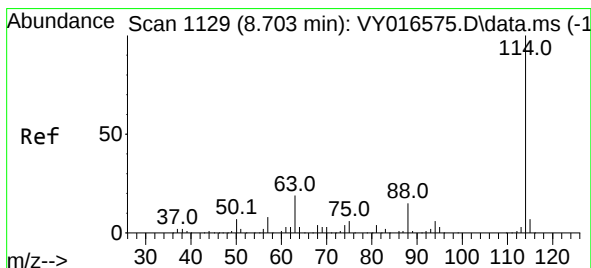
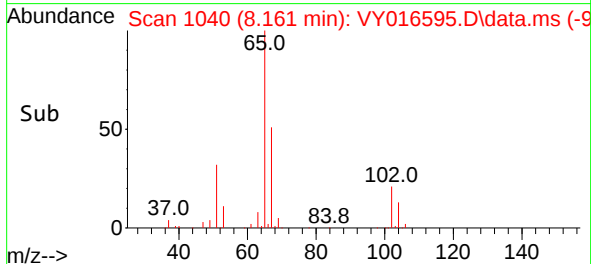
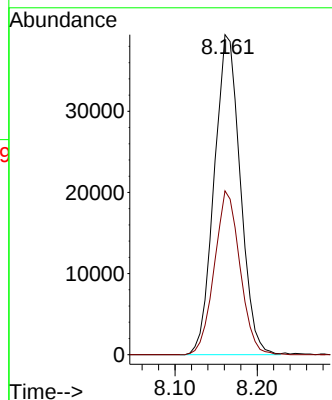
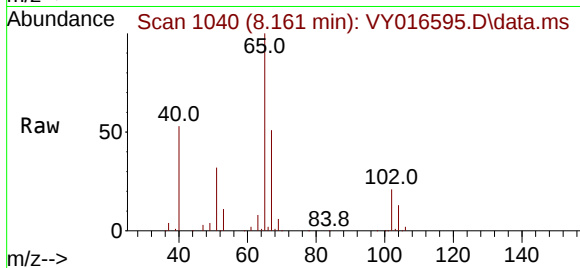
TOPSOIL-LKWD-DENALI-2

Tgt Ion: 65 Resp: 86851

Ion Ratio Lower Upper

65 100

67 50.4 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: VY016595.D

Acq: 05 Dec 2023 14:46

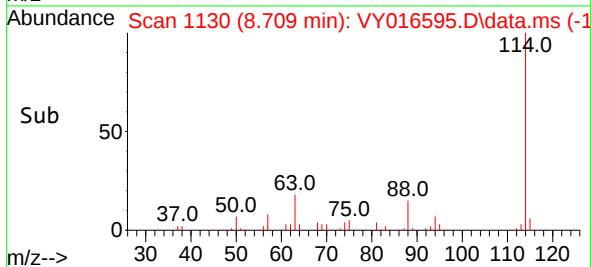
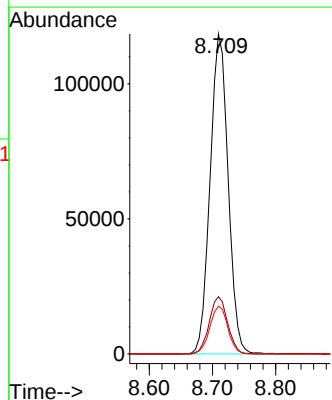
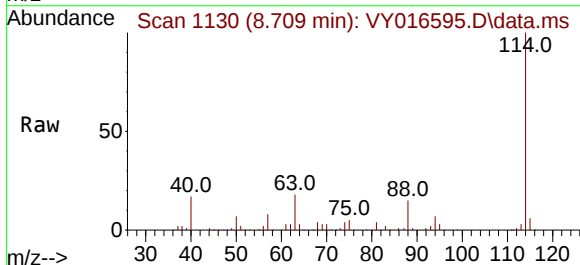
Tgt Ion: 114 Resp: 234613

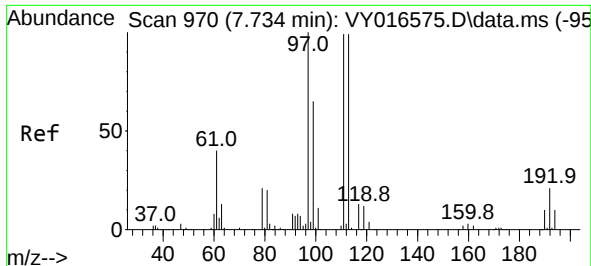
Ion Ratio Lower Upper

114 100

63 17.9 0.0 42.4

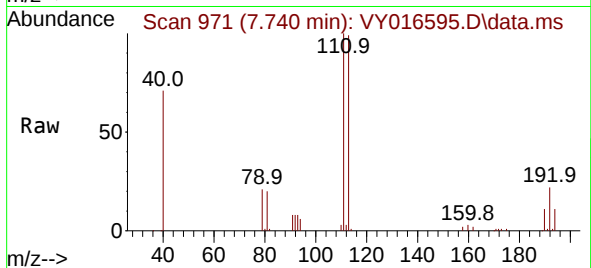
88 14.9 0.0 30.6



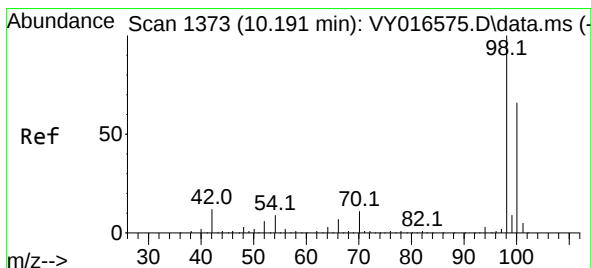
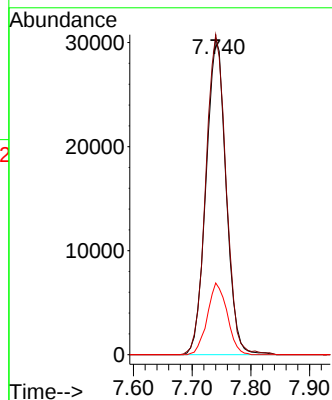
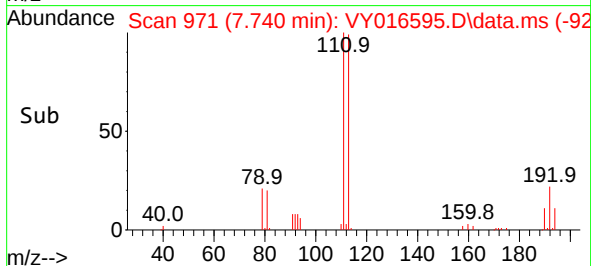


#35
Dibromofluoromethane
Concen: 50.881 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016595.D
Acq: 05 Dec 2023 14:46

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

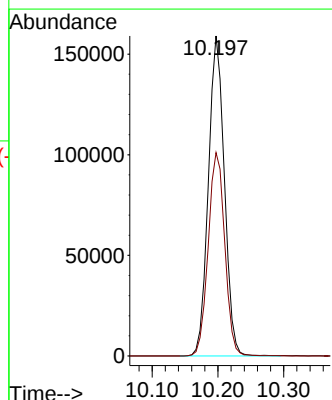
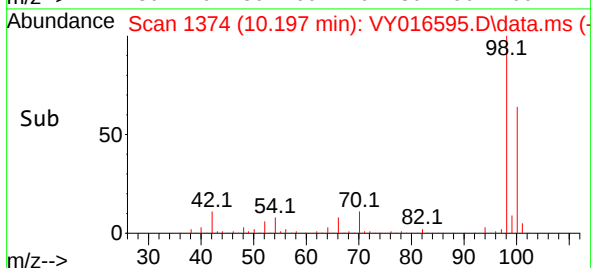
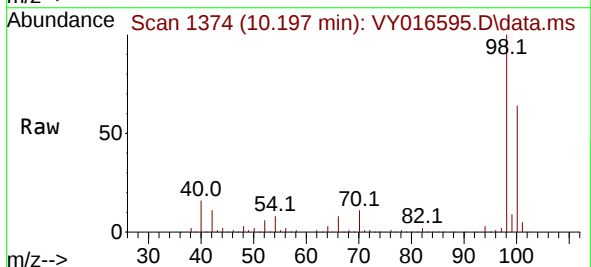


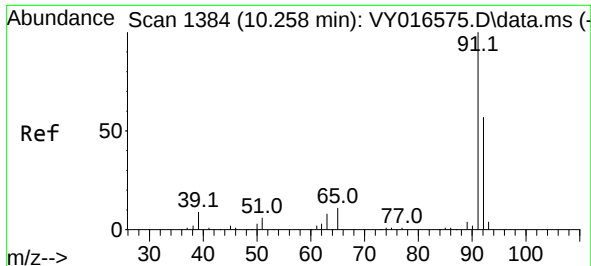
Tgt Ion:113 Resp: 71839
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 22.5 16.9 25.3



#50
Toluene-d8
Concen: 50.444 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.006 min
Lab File: VY016595.D
Acq: 05 Dec 2023 14:46

Tgt Ion: 98 Resp: 269401
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1

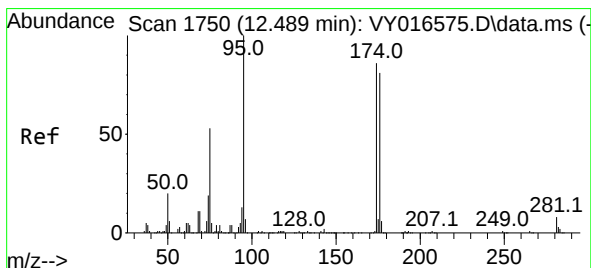
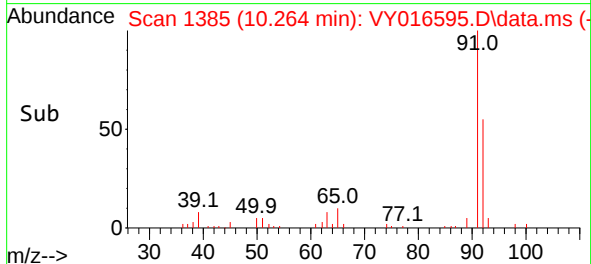
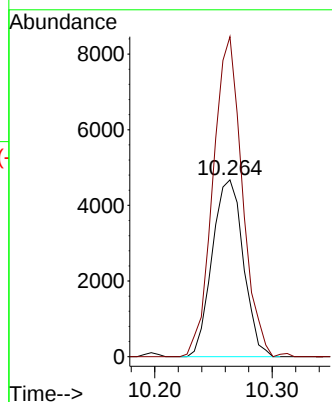
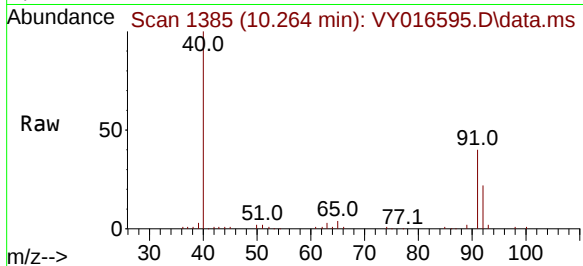




#52
Toluene
Concen: 2.270 ug/l
RT: 10.264 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016595.D
Acq: 05 Dec 2023 14:46

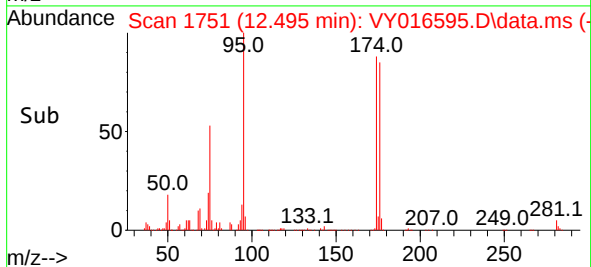
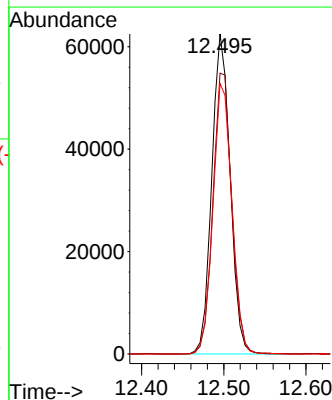
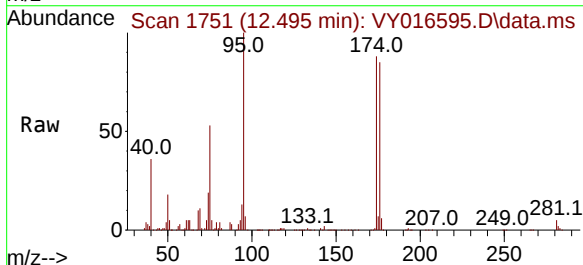
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TOPSOIL-LKWD-DENALI-2

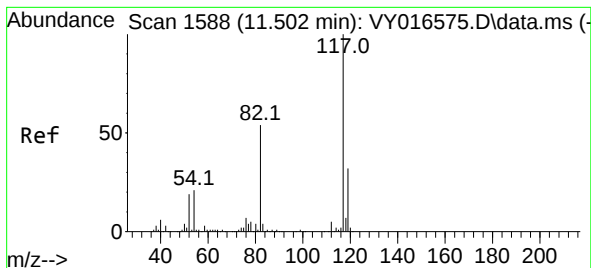
Tgt Ion: 92 Resp: 8606
Ion Ratio Lower Upper
92 100
91 170.4 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 55.060 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016595.D
Acq: 05 Dec 2023 14:46

Tgt Ion: 95 Resp: 96700
Ion Ratio Lower Upper
95 100
174 90.3 0.0 178.2
176 87.7 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: VY016595.D

Acq: 05 Dec 2023 14:46

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-LKWD-DENALI-2

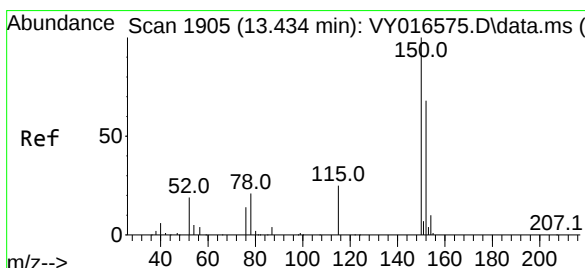
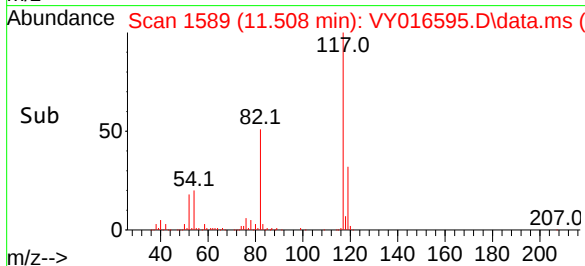
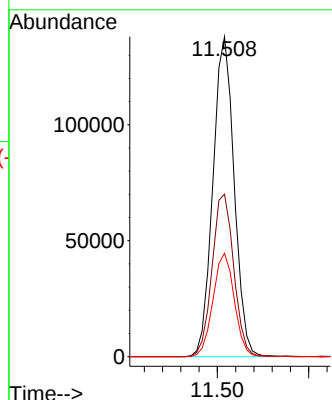
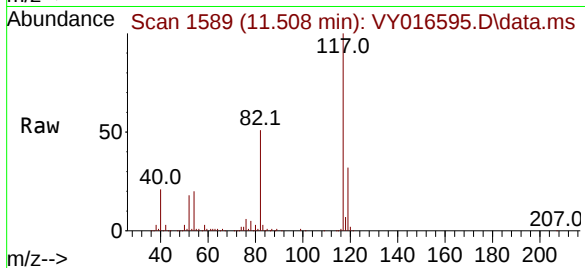
Tgt Ion:117 Resp: 222674

Ion Ratio Lower Upper

117 100

82 50.8 43.4 65.0

119 32.4 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: VY016595.D

Acq: 05 Dec 2023 14:46

Tgt Ion:152 Resp: 103609

Ion Ratio Lower Upper

152 100

115 54.9 28.8 86.5

150 156.0 0.0 348.8

