

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120523\
 Data File : VY016596.D
 Acq On : 05 Dec 2023 15:09
 Operator : SY/MD
 Sample : 05600-05
 Misc : 2.73g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-LKWD-DENALI-3

Quant Time: Dec 06 02:25:15 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)

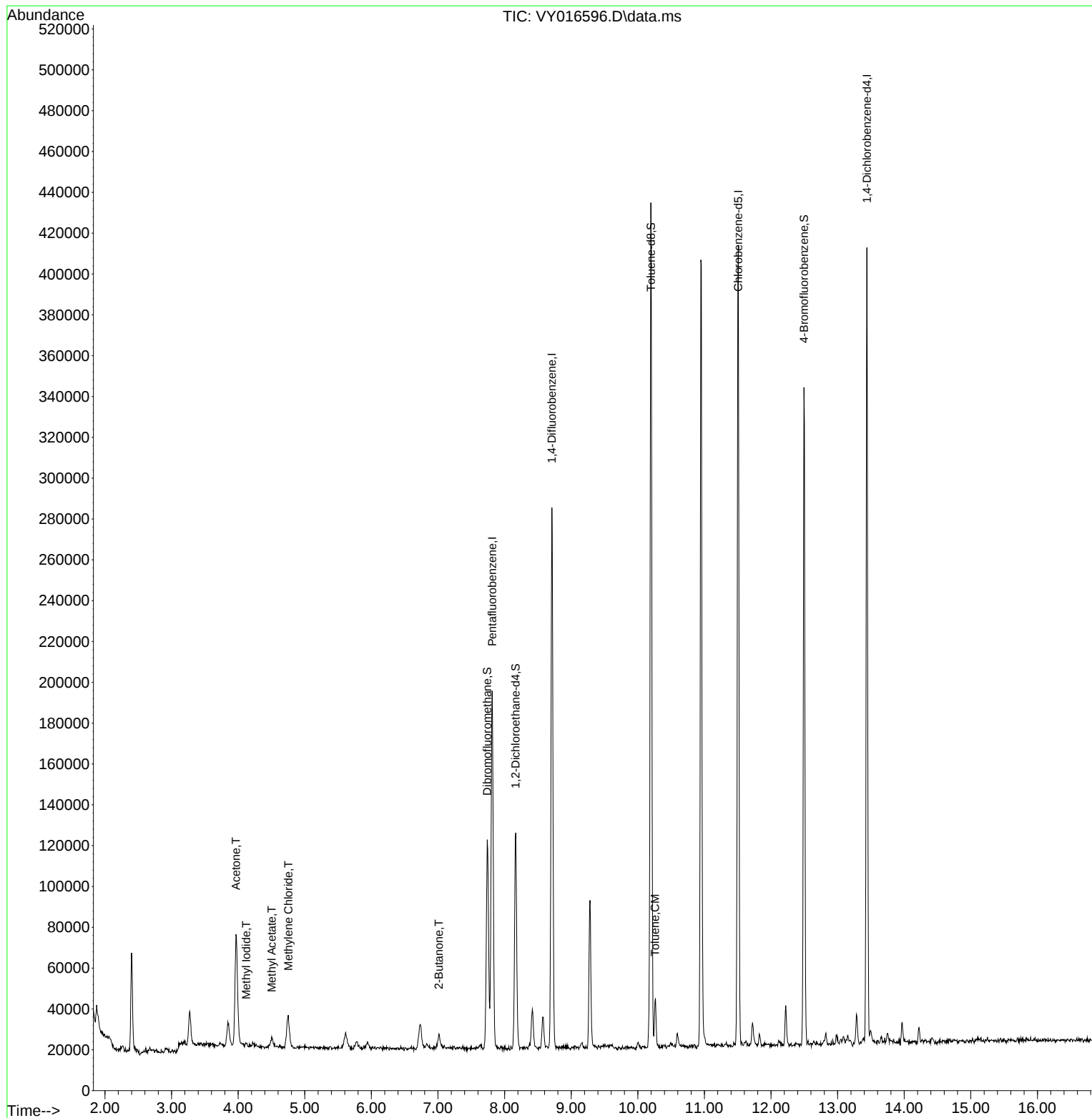
Internal Standards						
1) Pentafluorobenzene	7.813	168	140821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.709	114	232080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	223000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	101259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	86650	66.574	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.140%	
35) Dibromofluoromethane	7.740	113	72236	51.720	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.440%	
50) Toluene-d8	10.197	98	266749	50.492	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.980%	
62) 4-Bromofluorobenzene	12.495	95	94678	54.497	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.000%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.119	142	2210	1.518	ug/l	90
16) Acetone	3.966	43	94981	322.483	ug/l	92
18) Methyl Acetate	4.503	43	8805	7.542	ug/l	94
20) Methylene Chloride	4.753	84	11475	5.864	ug/l #	82
25) 2-Butanone	7.015	43	10346	25.546	ug/l #	89
52) Toluene	10.258	92	9955	2.654	ug/l	93

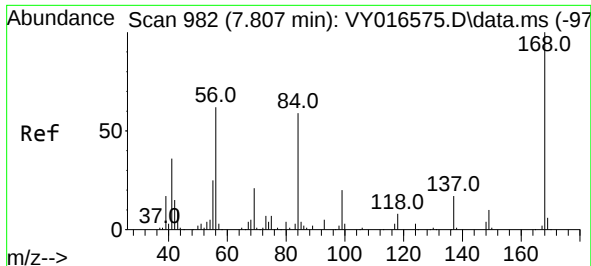
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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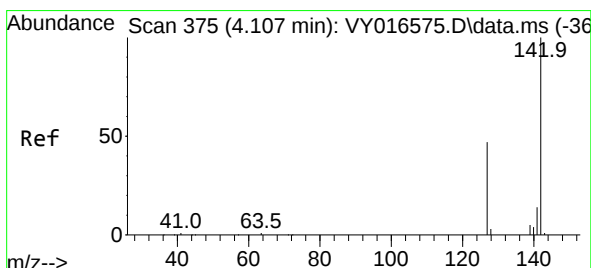
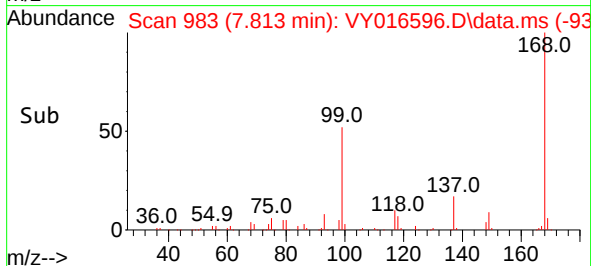
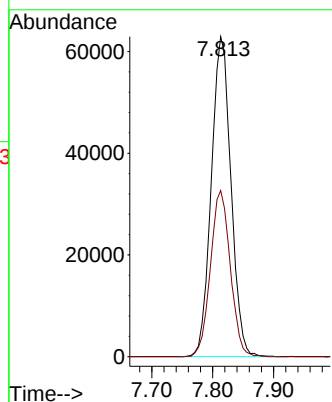
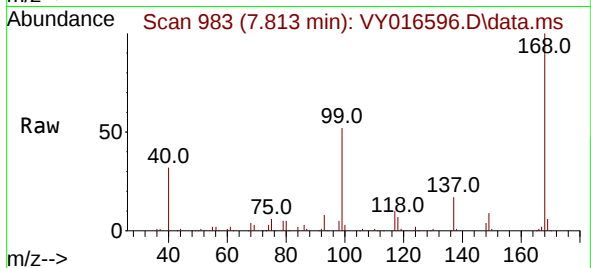




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016596.D
Acq: 05 Dec 2023 15:09

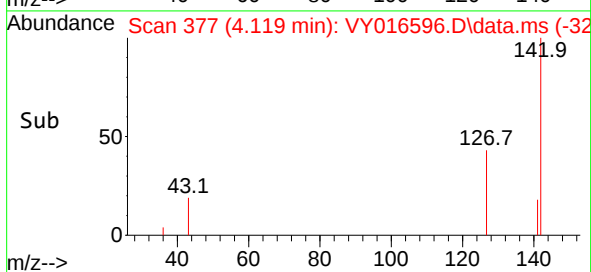
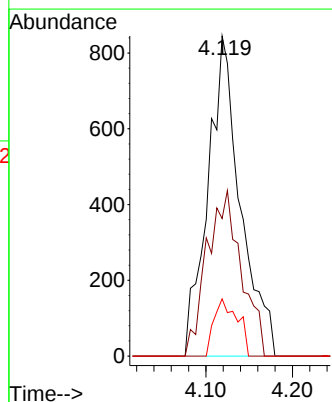
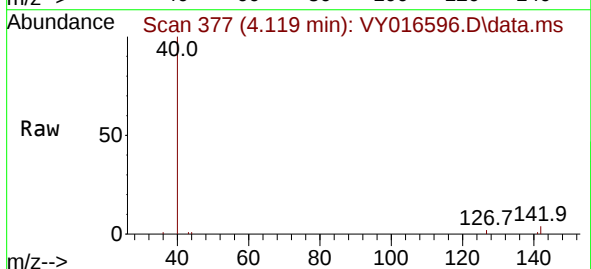
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-3

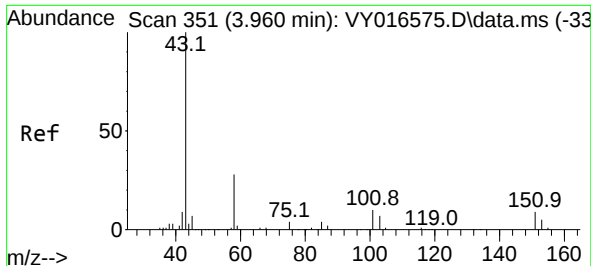
Tgt Ion:168 Resp: 140821
Ion Ratio Lower Upper
168 100
99 51.9 43.4 65.0



#10
Methyl Iodide
Concen: 1.518 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.012 min
Lab File: VY016596.D
Acq: 05 Dec 2023 15:09

Tgt Ion:142 Resp: 2210
Ion Ratio Lower Upper
142 100
127 54.4 37.6 56.4
141 12.8 11.8 17.8

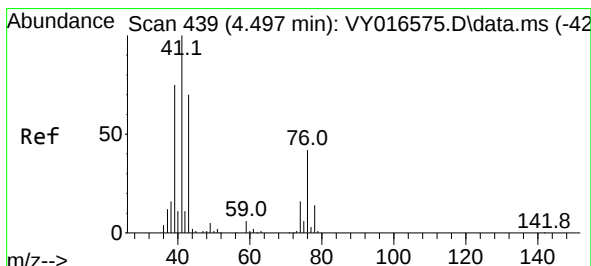
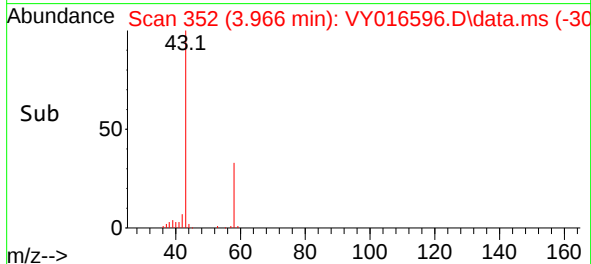
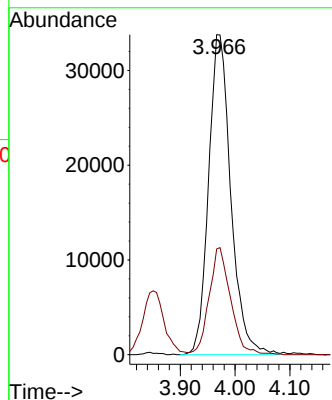
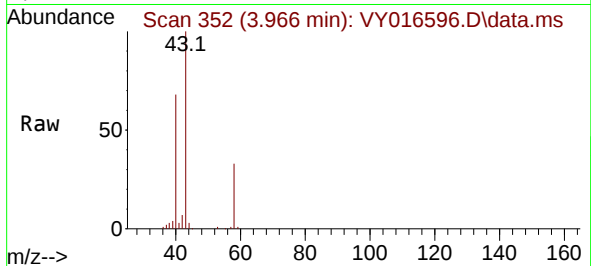




#16
Acetone
Concen: 322.483 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY016596.D
Acq: 05 Dec 2023 15:09

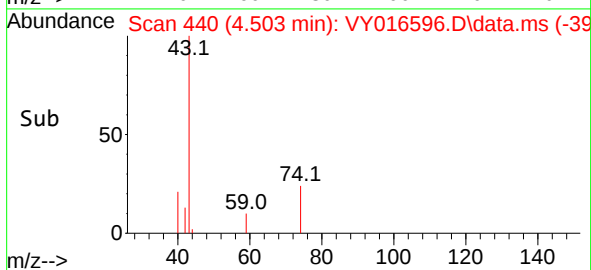
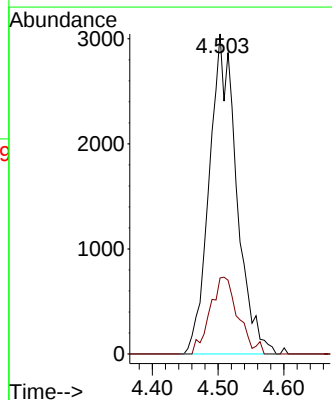
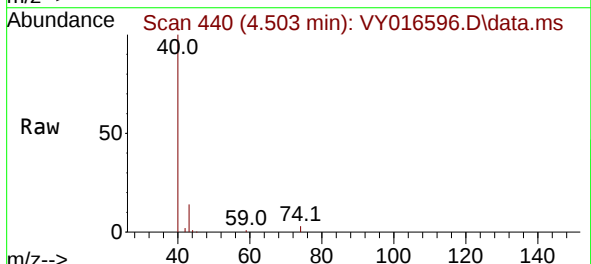
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-3

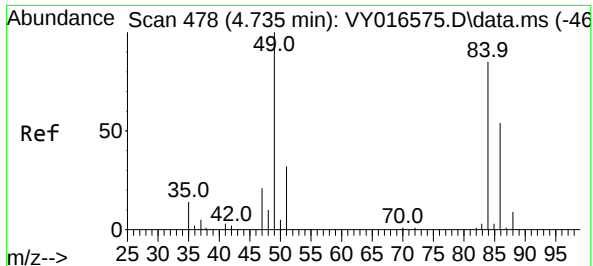
Tgt Ion: 43 Resp: 94981
Ion Ratio Lower Upper
43 100
58 32.8 22.7 34.1



#18
Methyl Acetate
Concen: 7.542 ug/l
RT: 4.503 min Scan# 440
Delta R.T. 0.006 min
Lab File: VY016596.D
Acq: 05 Dec 2023 15:09

Tgt Ion: 43 Resp: 8805
Ion Ratio Lower Upper
43 100
74 24.7 17.4 26.0

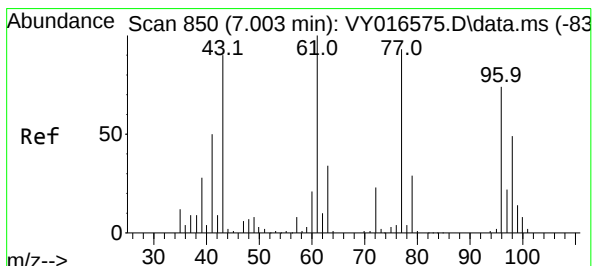
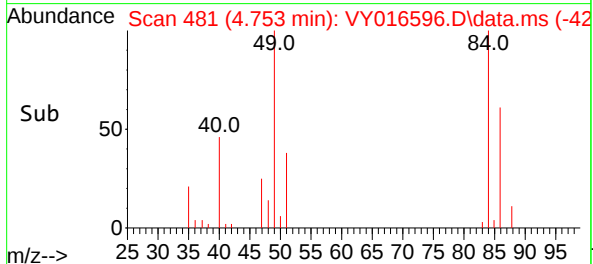
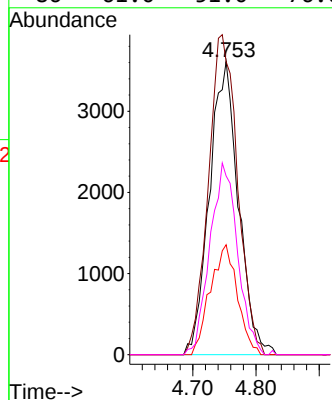
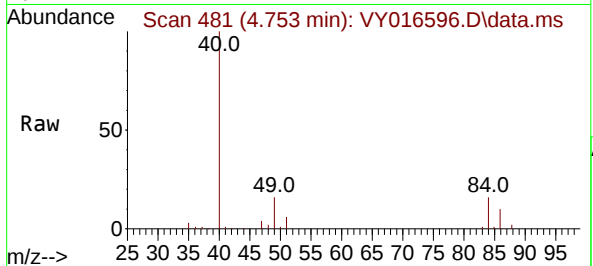




#20
Methylene Chloride
Concen: 5.864 ug/l
RT: 4.753 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY016596.D
Acq: 05 Dec 2023 15:09

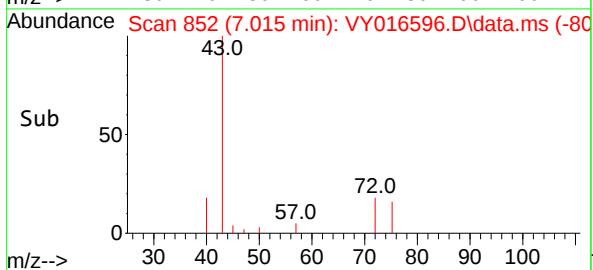
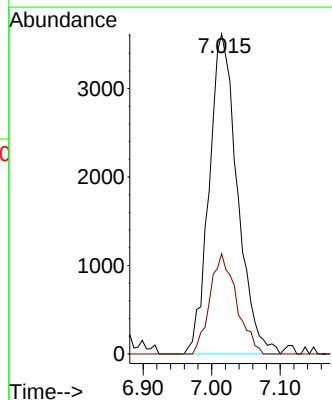
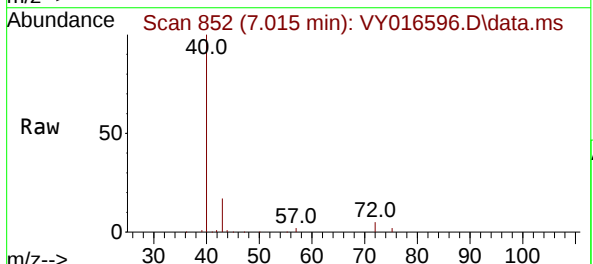
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-3

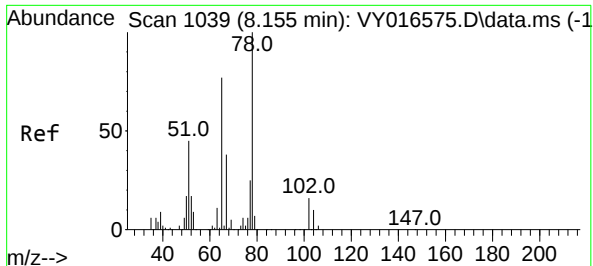
Tgt Ion:	84	Resp:	11475
Ion	Ratio	Lower	Upper
84	100		
49	99.9	106.9	160.3#
51	37.5	33.2	49.8
86	61.0	51.0	76.6



#25
2-Butanone
Concen: 25.546 ug/l
RT: 7.015 min Scan# 852
Delta R.T. 0.012 min
Lab File: VY016596.D
Acq: 05 Dec 2023 15:09

Tgt Ion:	43	Resp:	10346
Ion	Ratio	Lower	Upper
43	100		
72	31.3	20.5	30.7#





#33

1,2-Dichloroethane-d4

Concen: 66.574 ug/l

RT: 8.167 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY016596.D

Acq: 05 Dec 2023 15:09

Instrument :

MSVOA_Y

ClientSampleId :

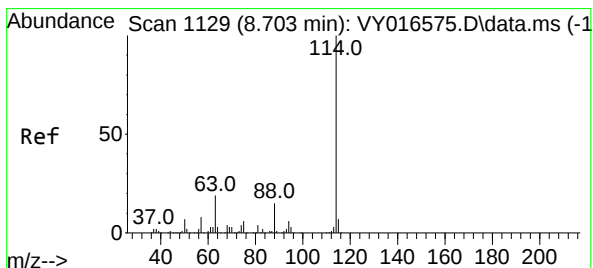
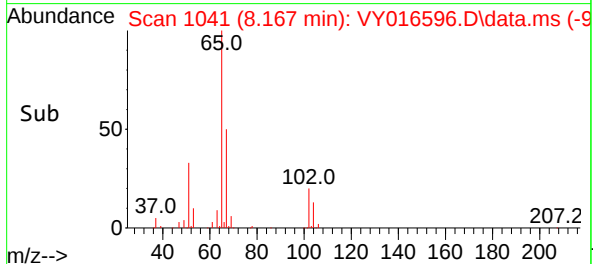
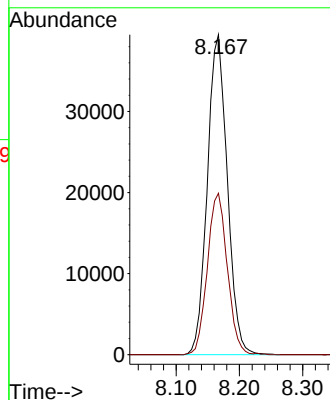
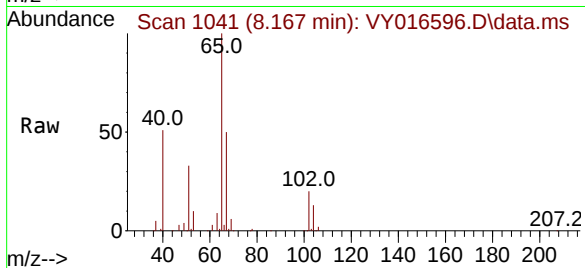
TOPSOIL-LKWD-DENALI-3

Tgt Ion: 65 Resp: 86650

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: VY016596.D

Acq: 05 Dec 2023 15:09

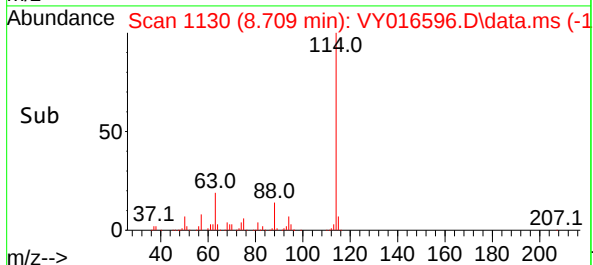
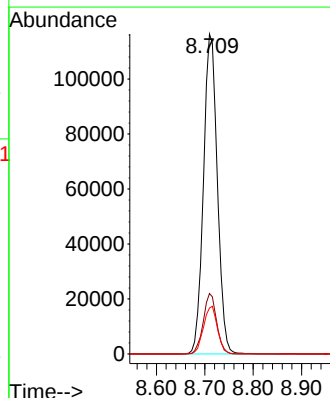
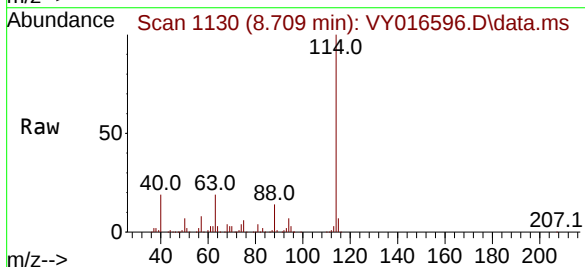
Tgt Ion: 114 Resp: 232080

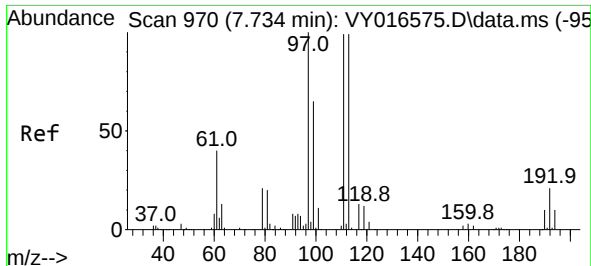
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

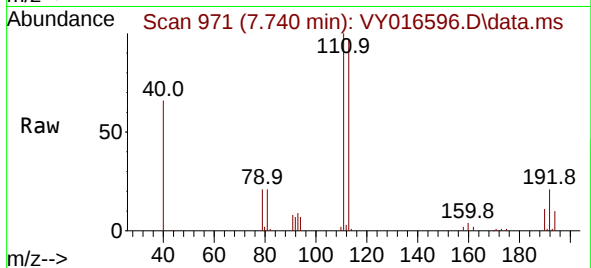
88 14.3 0.0 30.6



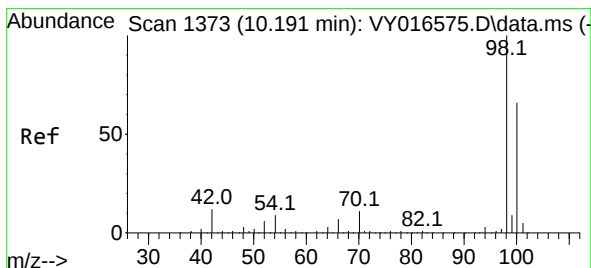
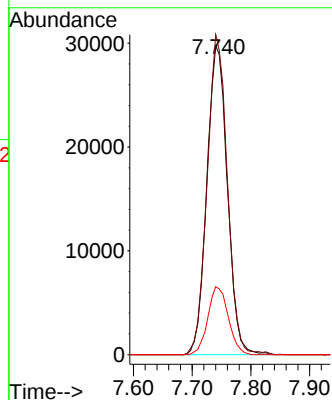
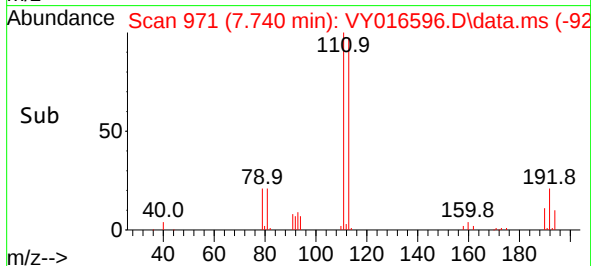


#35
Dibromofluoromethane
Concen: 51.720 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016596.D
Acq: 05 Dec 2023 15:09

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-3

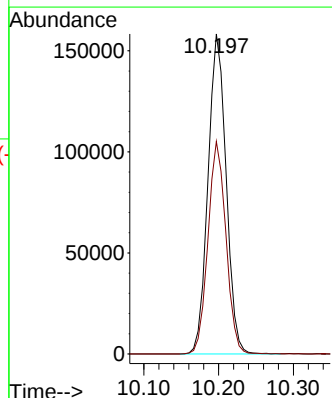
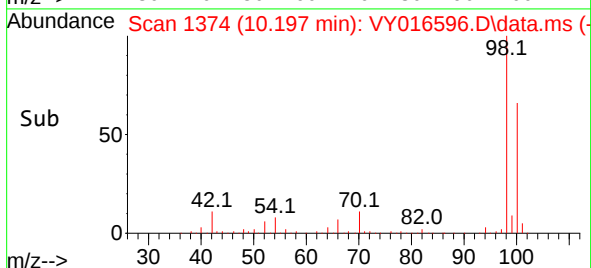
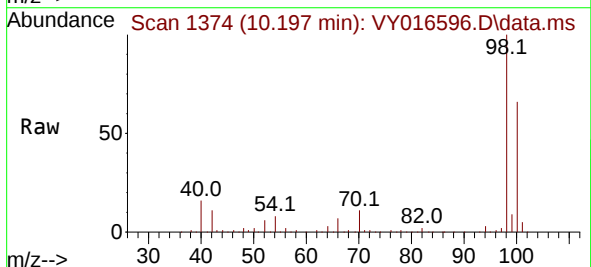


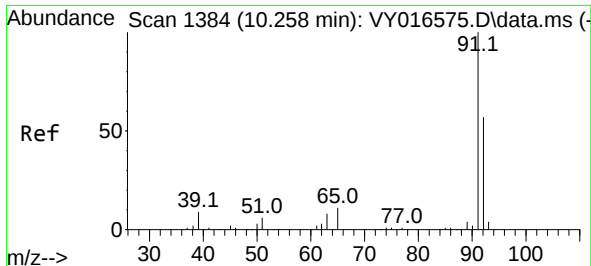
Tgt Ion:113 Resp: 72236
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 21.9 16.9 25.3



#50
Toluene-d8
Concen: 50.492 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.006 min
Lab File: VY016596.D
Acq: 05 Dec 2023 15:09

Tgt Ion: 98 Resp: 266749
Ion Ratio Lower Upper
98 100
100 66.0 50.1 75.1

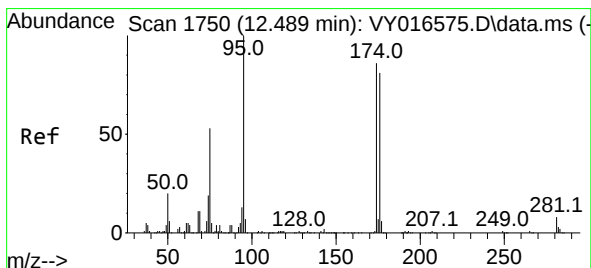
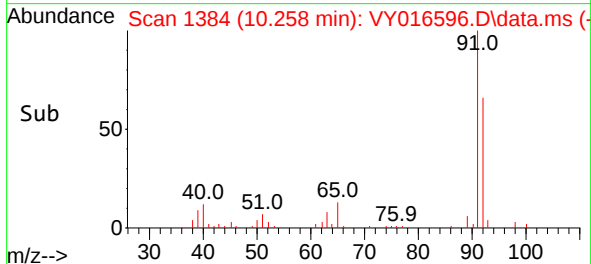
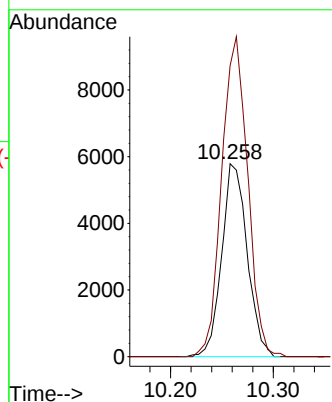
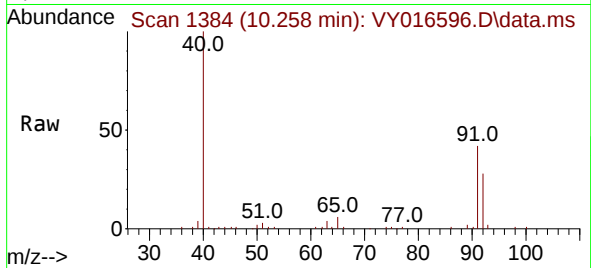




#52
Toluene
Concen: 2.654 ug/l
RT: 10.258 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VY016596.D
Acq: 05 Dec 2023 15:09

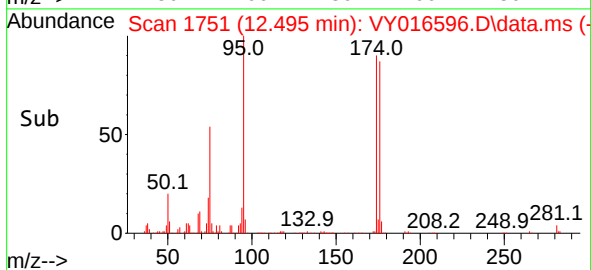
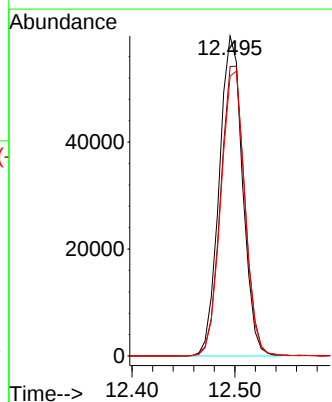
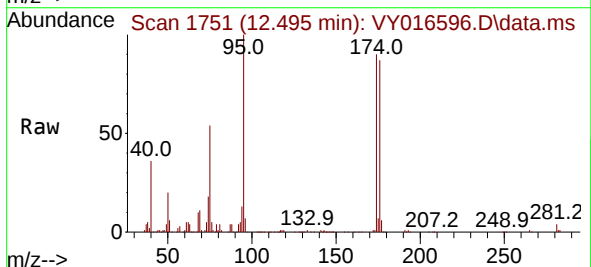
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TOPSOIL-LKWD-DENALI-3

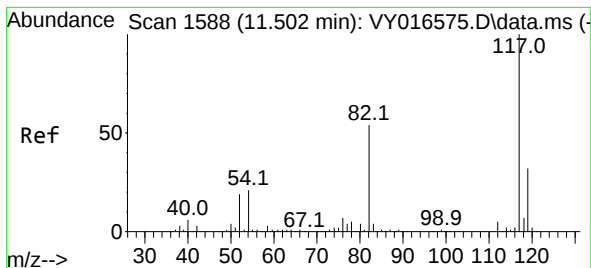
Tgt Ion: 92 Resp: 9955
Ion Ratio Lower Upper
92 100
91 169.2 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 54.497 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016596.D
Acq: 05 Dec 2023 15:09

Tgt Ion: 95 Resp: 94678
Ion Ratio Lower Upper
95 100
174 93.3 0.0 178.2
176 91.0 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: VY016596.D

Acq: 05 Dec 2023 15:09

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-LKWD-DENALI-3

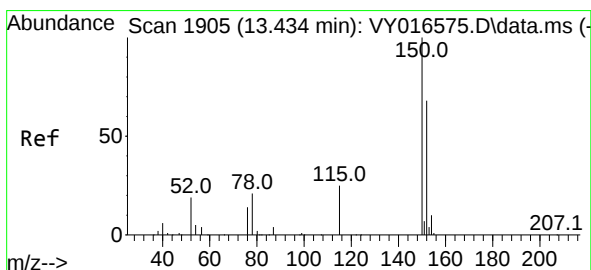
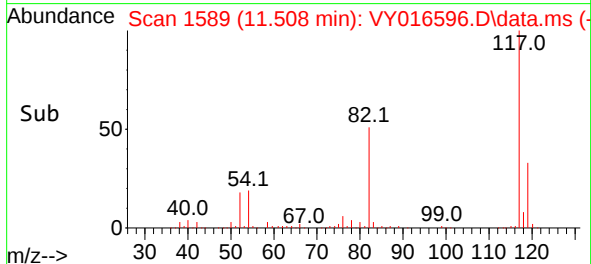
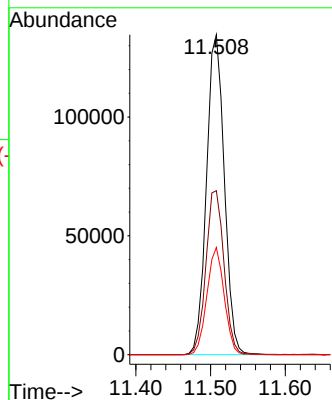
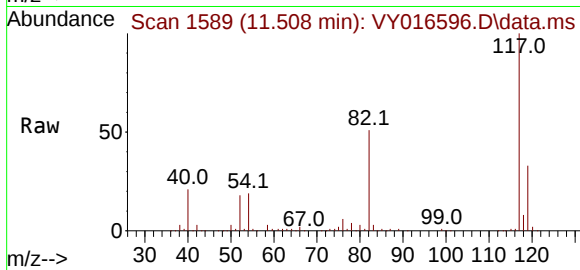
Tgt Ion:117 Resp: 223000

Ion Ratio Lower Upper

117 100

82 51.2 43.4 65.0

119 33.5 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: VY016596.D

Acq: 05 Dec 2023 15:09

Tgt Ion:152 Resp: 101259

Ion Ratio Lower Upper

152 100

115 57.0 28.8 86.5

150 156.1 0.0 348.8

