

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100322\
 Data File : VY010774.D
 Acq On : 03 Oct 2022 18:20
 Operator : KP/MD
 Sample : N4892-01
 Misc : 3.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-STORMWATER-DENALI

Quant Time: Oct 04 07:34:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

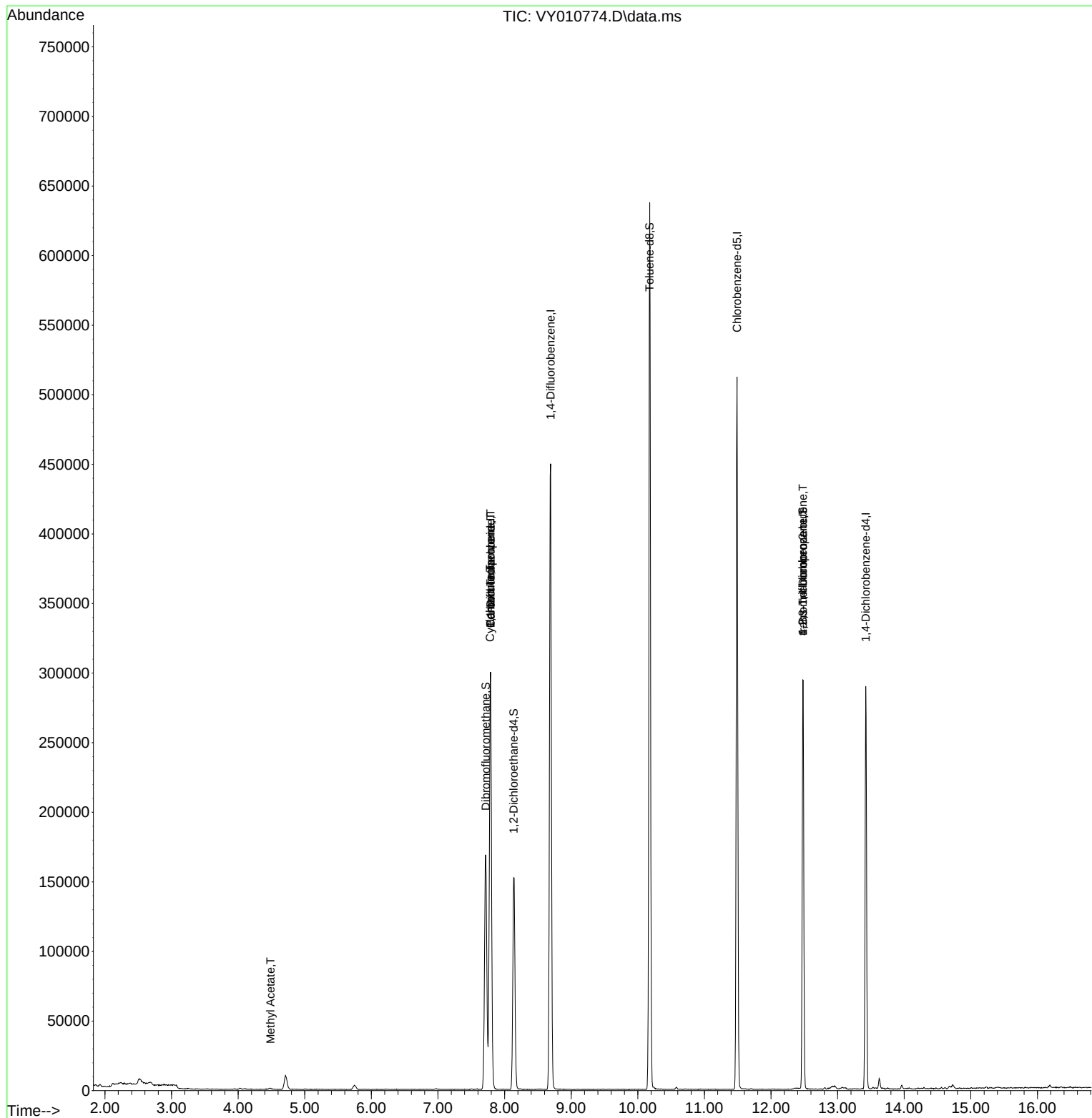
Internal Standards						
1) Pentafluorobenzene	7.789	168	238503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	397346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	280736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	76026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	122107	50.509	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.020%
35) Dibromofluoromethane	7.716	113	120399	45.647	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.300%
50) Toluene-d8	10.179	98	415184	46.028	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.060%
62) 4-Bromofluorobenzene	12.477	95	90868	23.861	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	47.720%
Target Compounds						
					Qvalue	
18) Methyl Acetate	4.485	43	1600	1.020	ug/l #	84
20) Methylene Chloride	4.716	84	7631	Below Cal	#	78
31) Cyclohexane	7.783	56	4590	1.061	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	17626	4.629	ug/l #	50
38) Carbon Tetrachloride	7.789	117	23408	5.902	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	46749	60.720	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	46749	126.839	ug/l #	7

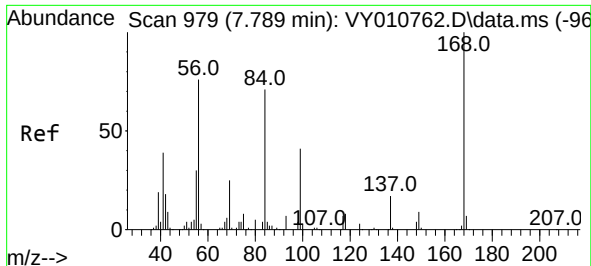
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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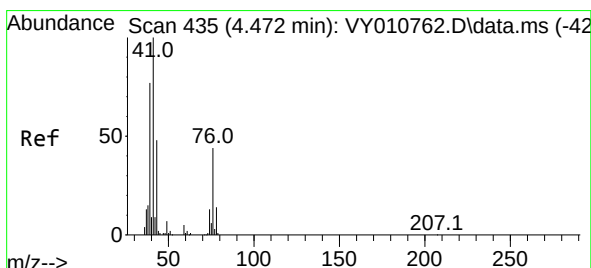
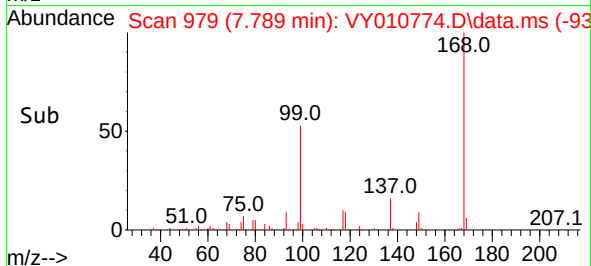
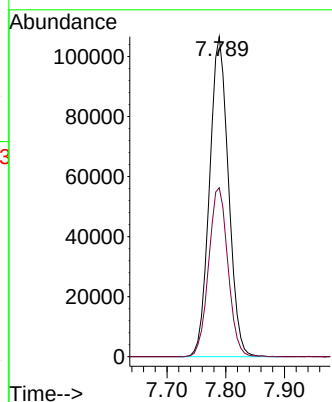
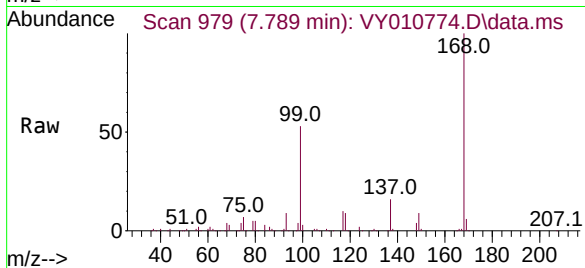




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010774.D
Acq: 03 Oct 2022 18:20

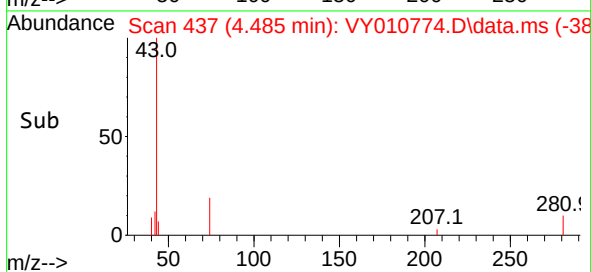
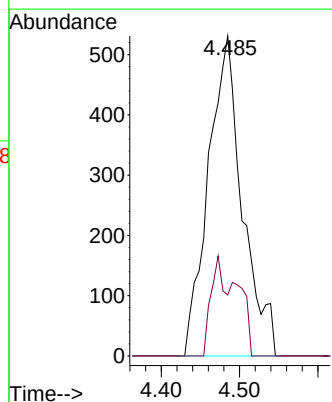
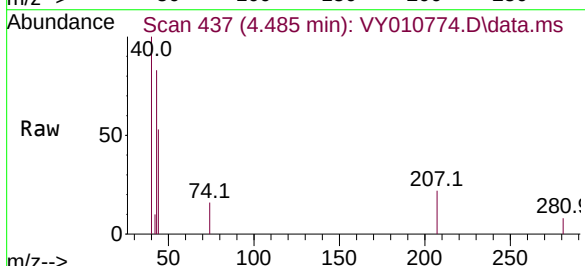
Instrument :
MSVOA_Y
ClientSampleId :
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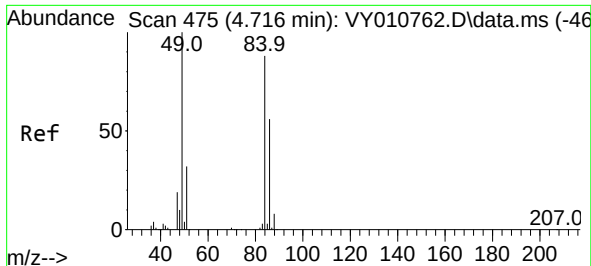
Tgt Ion:168 Resp: 238503
Ion Ratio Lower Upper
168 100
99 52.8 46.9 70.3



#18
Methyl Acetate
Concen: 1.020 ug/l
RT: 4.485 min Scan# 437
Delta R.T. 0.013 min
Lab File: VY010774.D
Acq: 03 Oct 2022 18:20

Tgt Ion: 43 Resp: 1600
Ion Ratio Lower Upper
43 100
74 13.3 16.6 24.8#

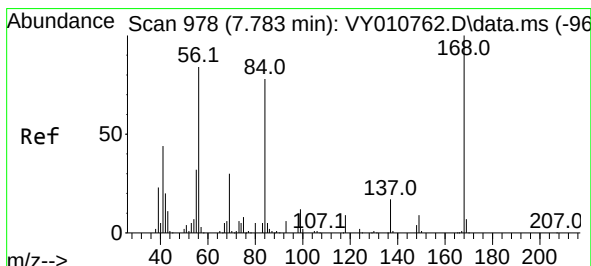
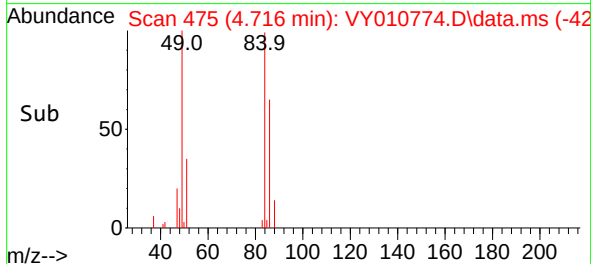
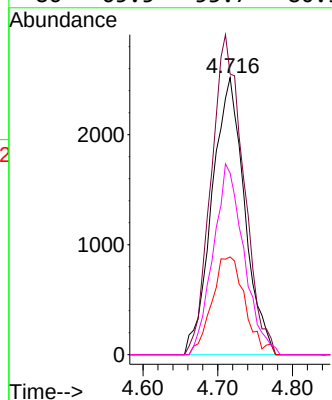
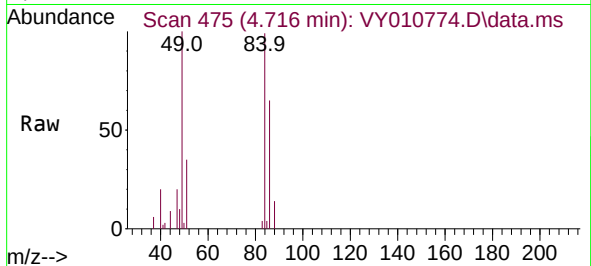




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010774.D
Acq: 03 Oct 2022 18:20

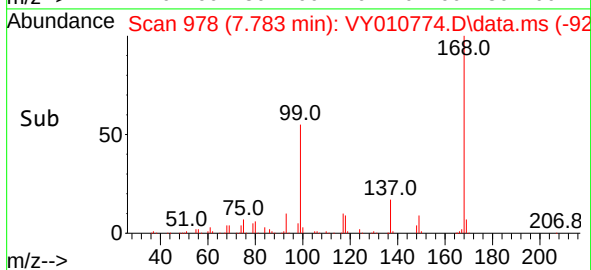
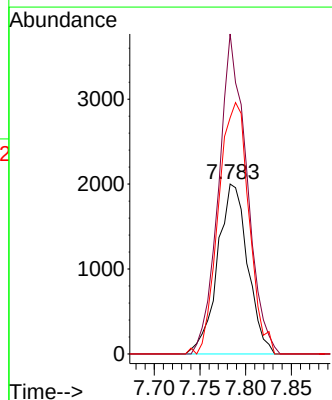
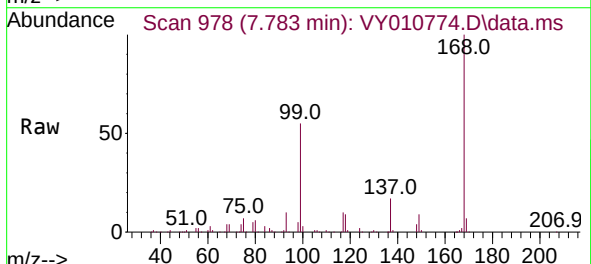
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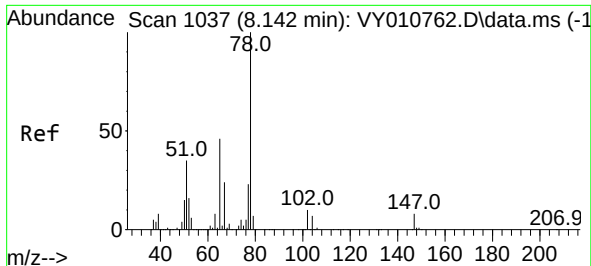
Tgt Ion: 84 Resp: 7631
Ion Ratio Lower Upper
84 100
49 101.3 114.4 171.6#
51 35.3 35.3 52.9
86 65.5 53.7 80.5



#31
Cyclohexane
Concen: 1.061 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY010774.D
Acq: 03 Oct 2022 18:20

Tgt Ion: 56 Resp: 4590
Ion Ratio Lower Upper
56 100
69 188.4 26.7 40.1#
84 139.0 67.2 100.8#

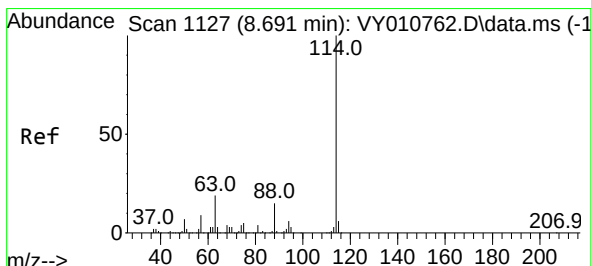
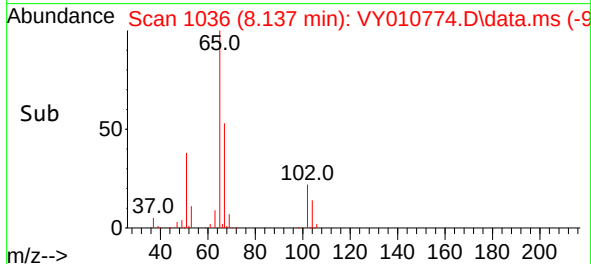
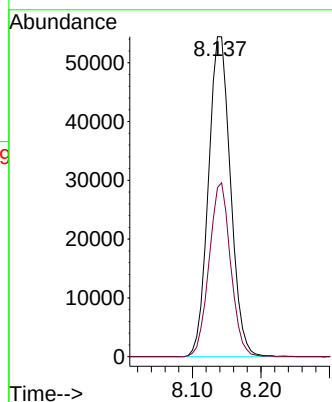
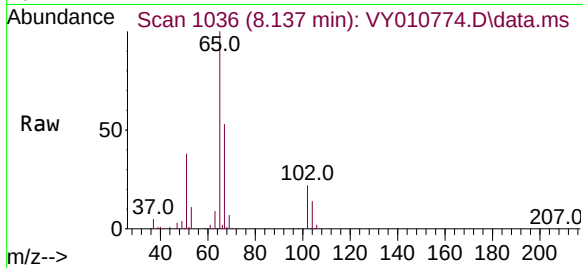




#33
 1,2-Dichloroethane-d4
 Concen: 50.509 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. -0.005 min
 Lab File: VY010774.D
 Acq: 03 Oct 2022 18:20

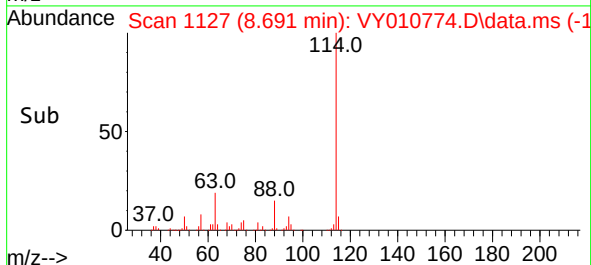
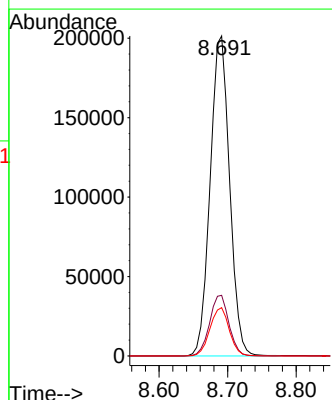
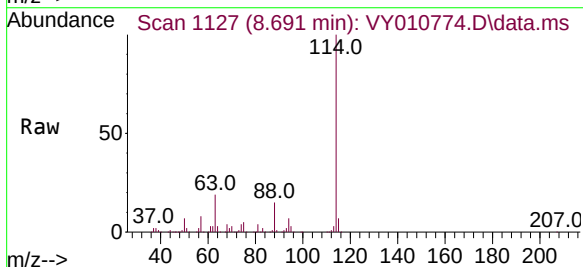
Instrument :
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 TOPSOIL-STORMWATER-DENALI

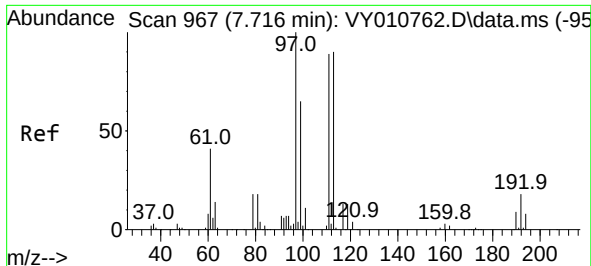
Tgt Ion: 65 Resp: 122107
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY010774.D
 Acq: 03 Oct 2022 18:20

Tgt Ion: 114 Resp: 397346
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 43.2
 88 15.1 0.0 31.8

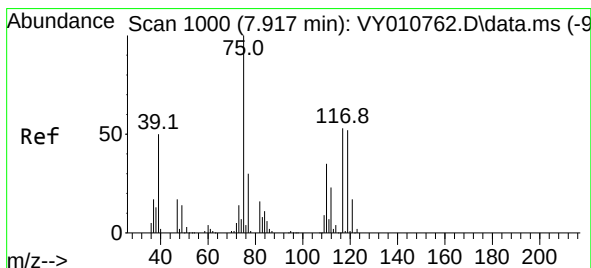
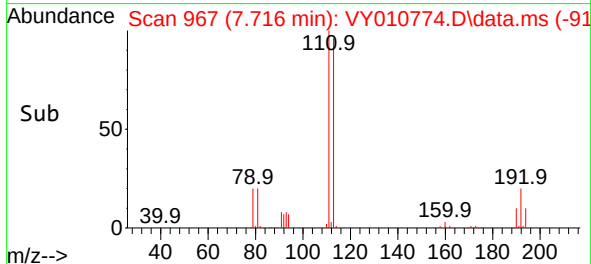
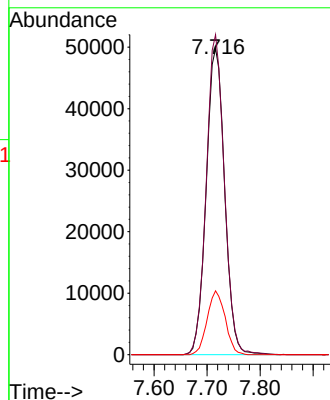
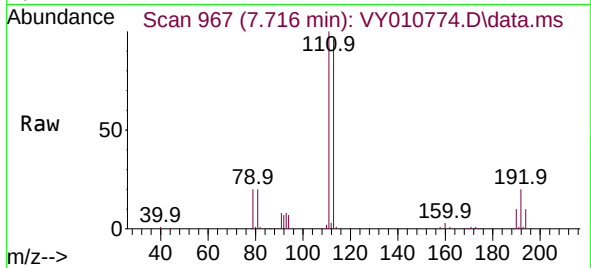




#35
Dibromofluoromethane
Concen: 45.647 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010774.D
Acq: 03 Oct 2022 18:20

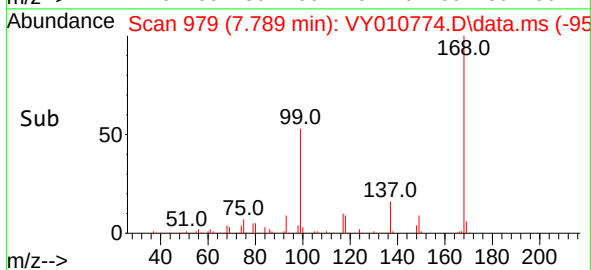
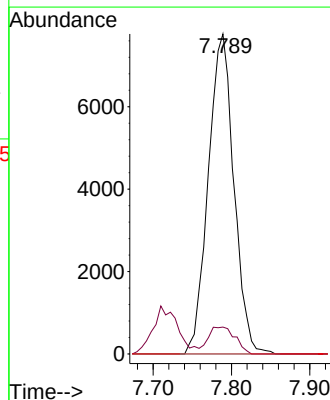
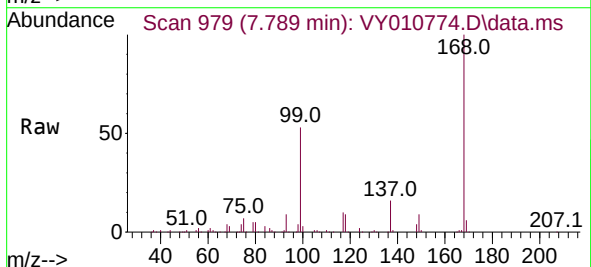
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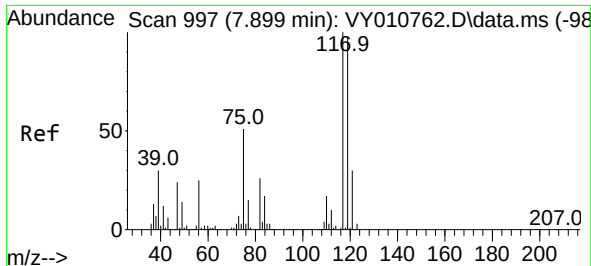
Tgt Ion:113 Resp: 120399
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 20.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.629 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY010774.D
Acq: 03 Oct 2022 18:20

Tgt Ion: 75 Resp: 17626
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#

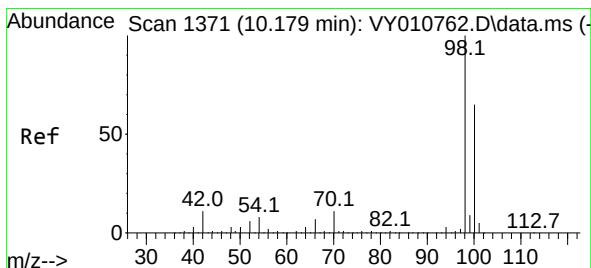
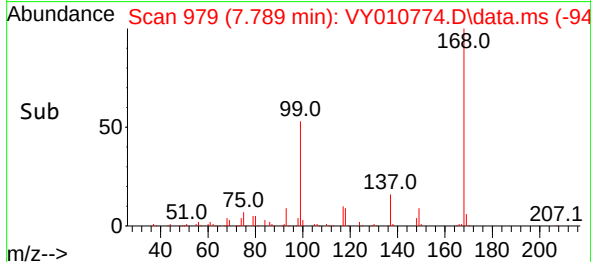
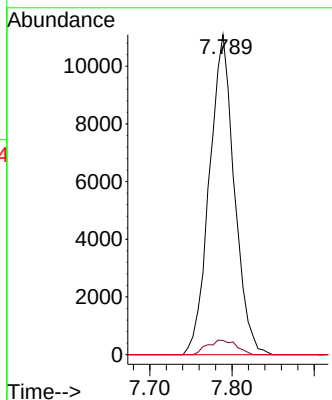
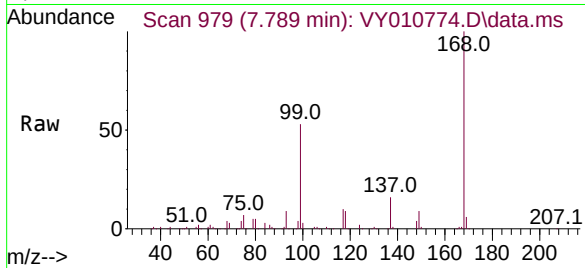




#38
Carbon Tetrachloride
Concen: 5.902 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010774.D
Acq: 03 Oct 2022 18:20

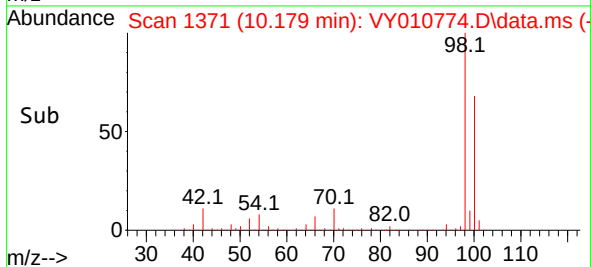
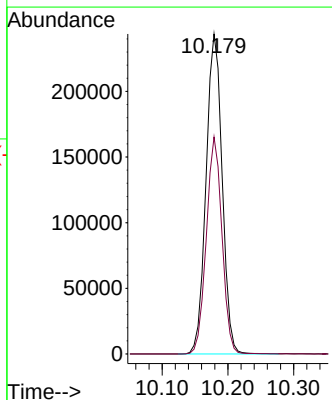
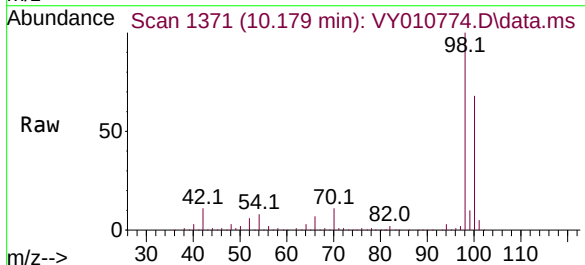
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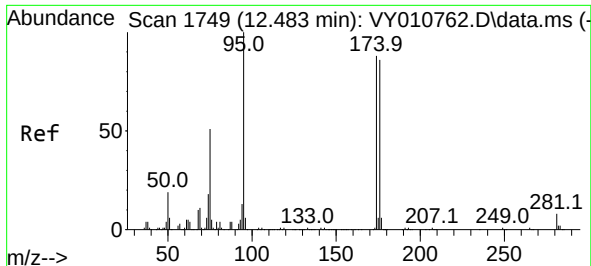
Tgt Ion:117 Resp: 23408
Ion Ratio Lower Upper
117 100
119 4.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.028 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010774.D
Acq: 03 Oct 2022 18:20

Tgt Ion: 98 Resp: 415184
Ion Ratio Lower Upper
98 100
100 66.0 50.2 75.2

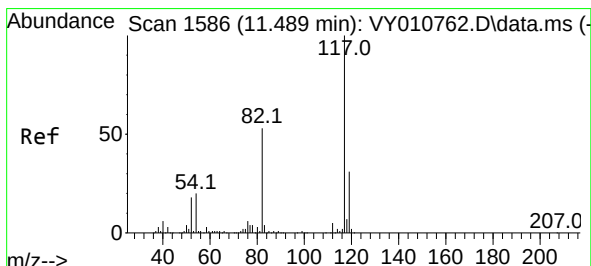
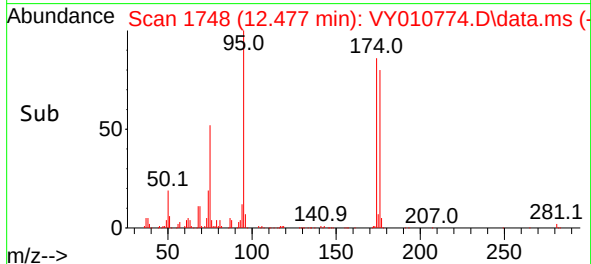
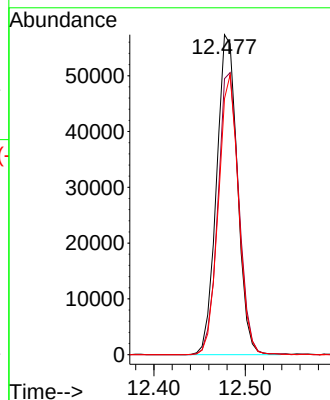
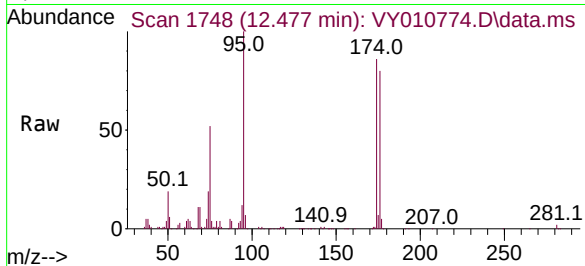




#62
4-Bromofluorobenzene
Concen: 23.861 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010774.D
Acq: 03 Oct 2022 18:20

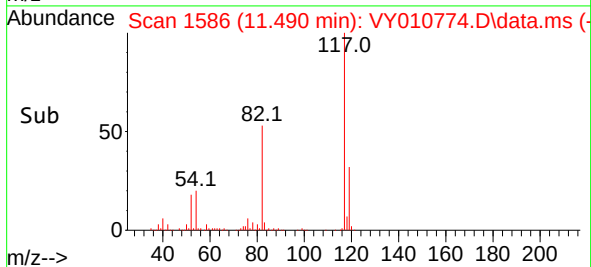
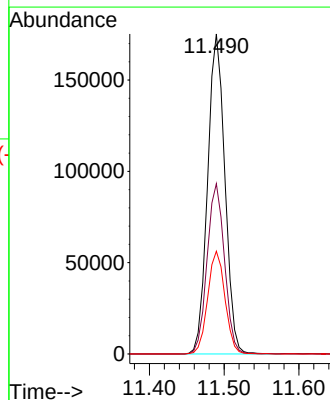
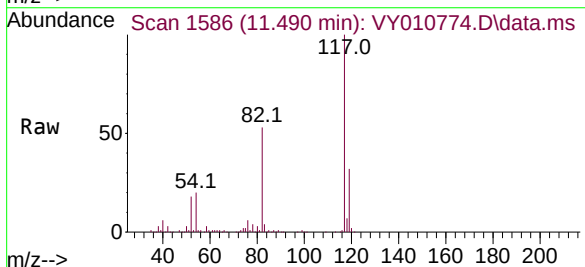
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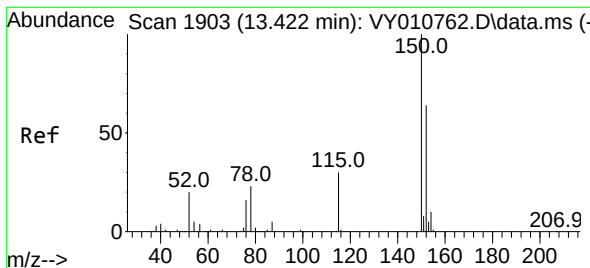
Tgt Ion: 95 Resp: 90868
Ion Ratio Lower Upper
95 100
174 88.7 0.0 177.0
176 84.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY010774.D
Acq: 03 Oct 2022 18:20

Tgt Ion: 117 Resp: 280736
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 32.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY010774.D

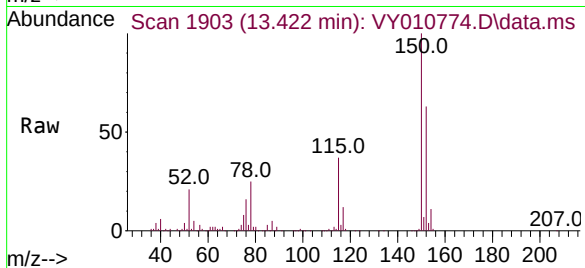
Acq: 03 Oct 2022 18:20

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-STORMWATER-DENALI



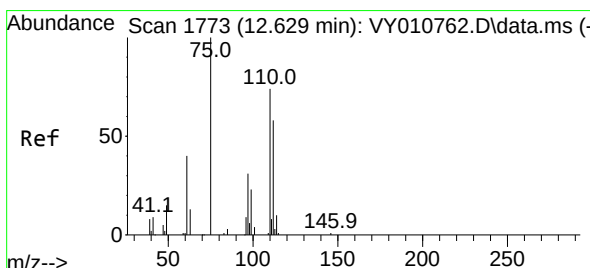
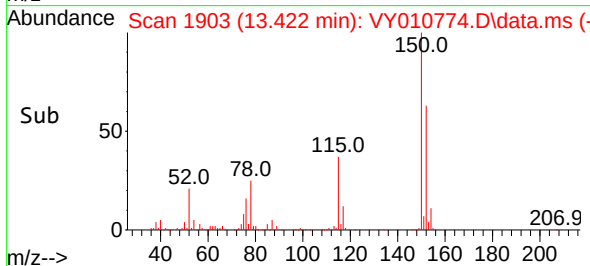
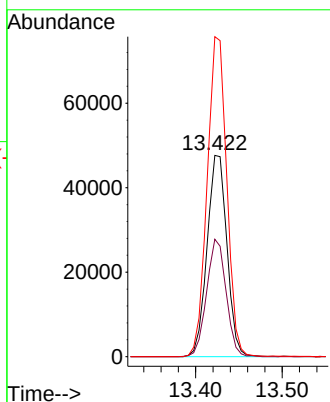
Tgt Ion:152 Resp: 76026

Ion Ratio Lower Upper

152 100

115 57.1 28.2 84.7

150 156.6 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 60.720 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY010774.D

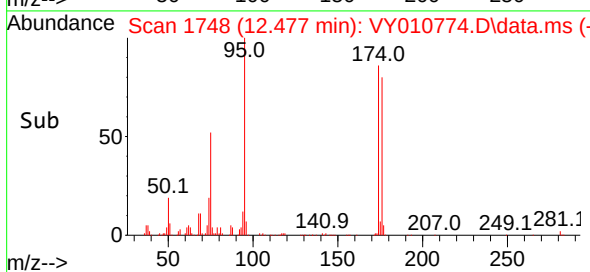
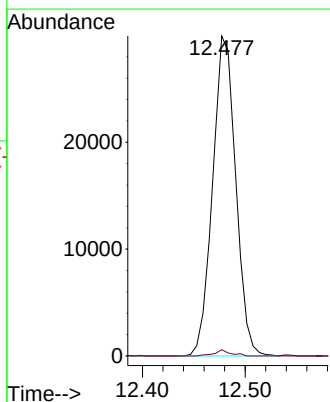
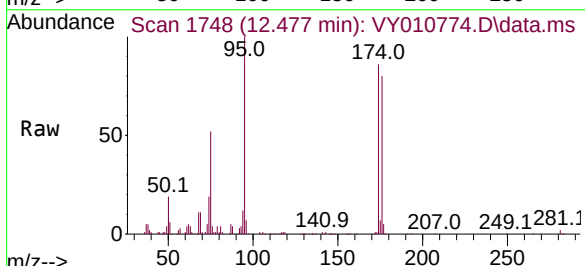
Acq: 03 Oct 2022 18:20

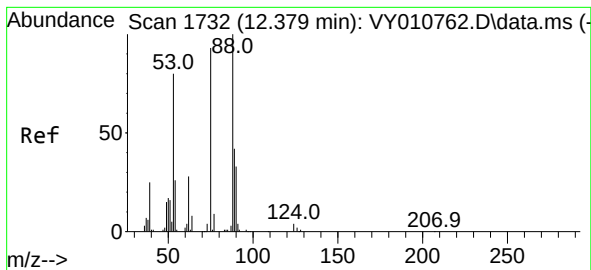
Tgt Ion: 75 Resp: 46749

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.839 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY010774.D
 Acq: 03 Oct 2022 18:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-STORMWATER-DENALI

Tgt Ion: 75 Resp: 46749
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

