

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072823\
 Data File : VY014902.D
 Acq On : 28 Jul 2023 12:32
 Operator : SY/MD
 Sample : 03756-21
 Misc : 4.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 415/417-TP-1-(3-4)

Quant Time: Jul 29 03:03:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

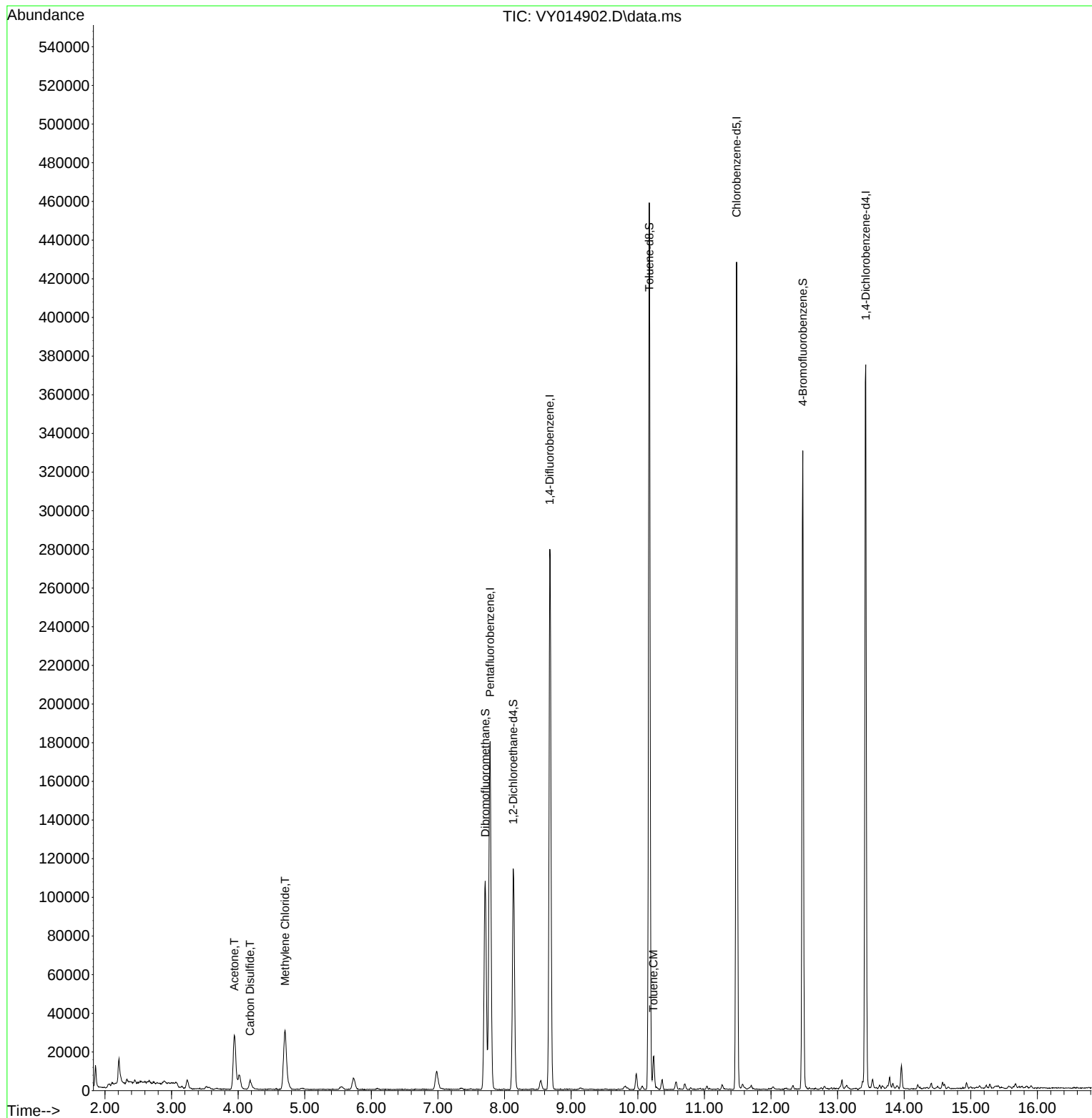
Internal Standards						
1) Pentafluorobenzene	7.783	168	138035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	246806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	226185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	96883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	88905	56.521	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.040%
35) Dibromofluoromethane	7.710	113	76631	48.775	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.560%
50) Toluene-d8	10.173	98	290617	50.173	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.340%
62) 4-Bromofluorobenzene	12.477	95	98222	44.224	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.440%
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	52681	105.689	ug/l	96
17) Carbon Disulfide	4.180	76	7982	2.051	ug/l	98
20) Methylene Chloride	4.704	84	23032	10.923	ug/l	89
52) Toluene	10.234	92	6861	1.605	ug/l	100

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

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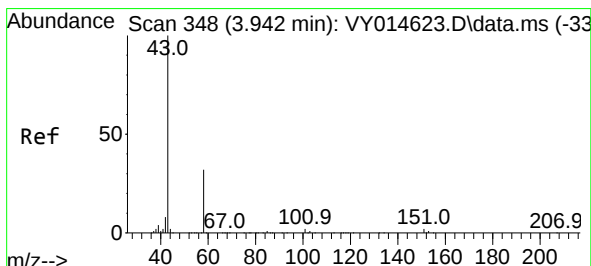
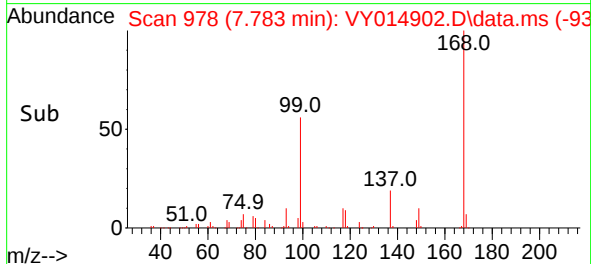
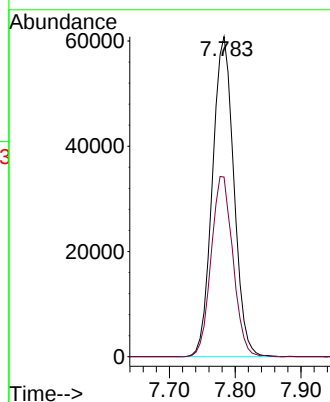
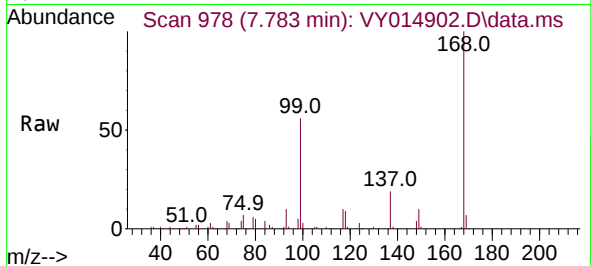




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

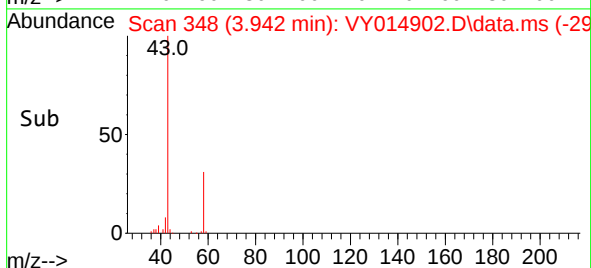
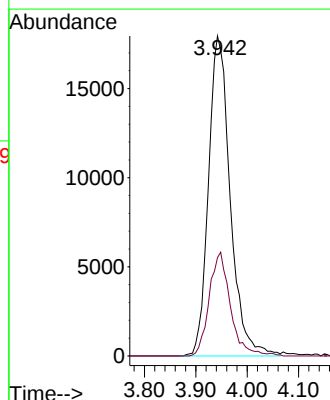
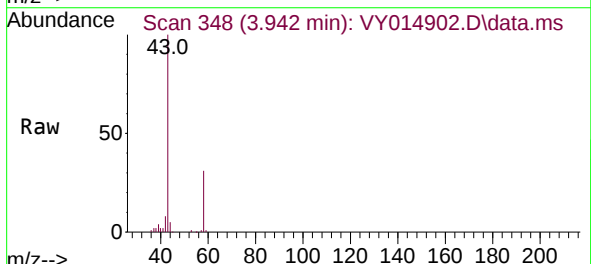
Instrument :
MSVOA_Y
ClientSampleId :
415/417-TP-1-(3-4)

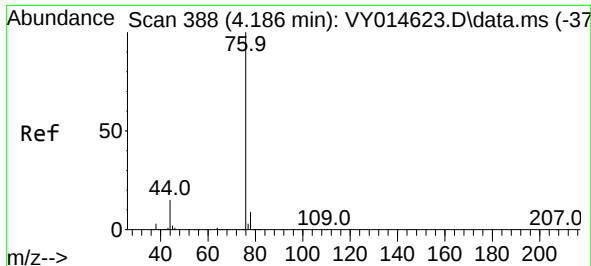
Tgt Ion:168 Resp: 138035
Ion Ratio Lower Upper
168 100
99 56.1 43.4 65.0



#16
Acetone
Concen: 105.689 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

Tgt Ion: 43 Resp: 52681
Ion Ratio Lower Upper
43 100
58 30.7 22.7 34.1

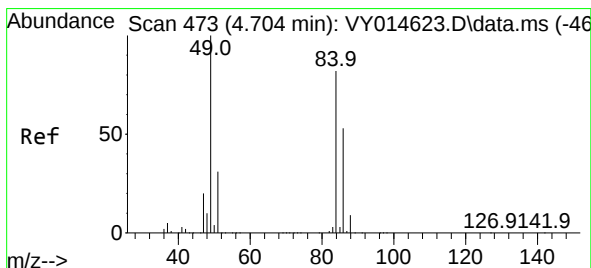
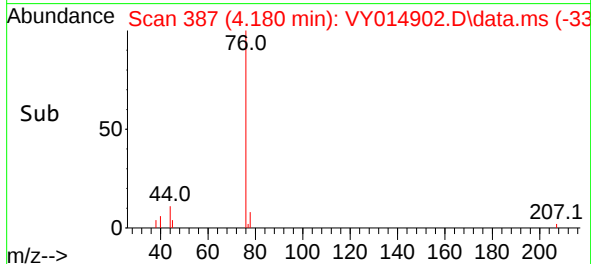
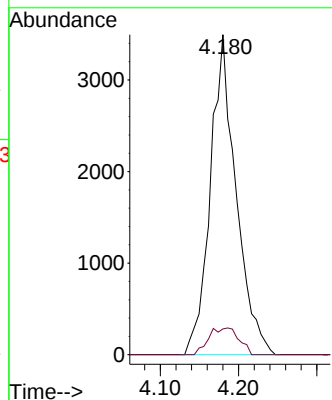
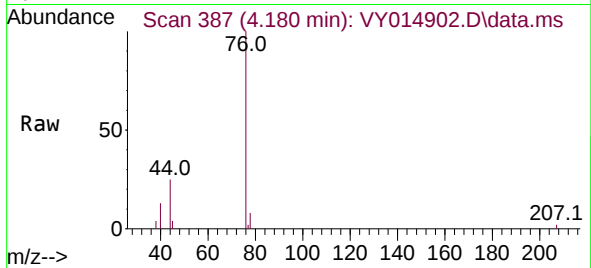




#17
Carbon Disulfide
Concen: 2.051 ug/l
RT: 4.180 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

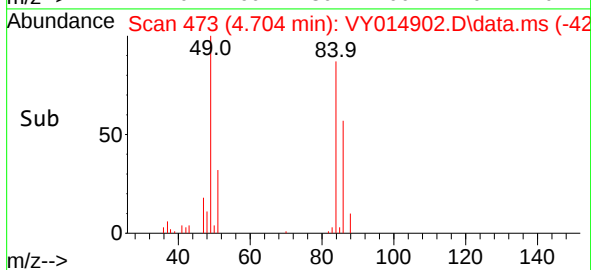
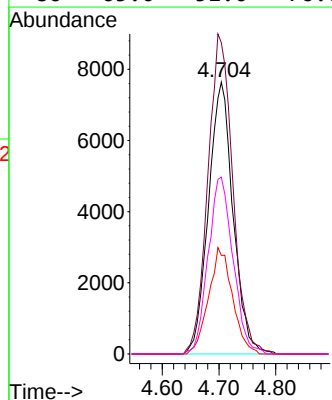
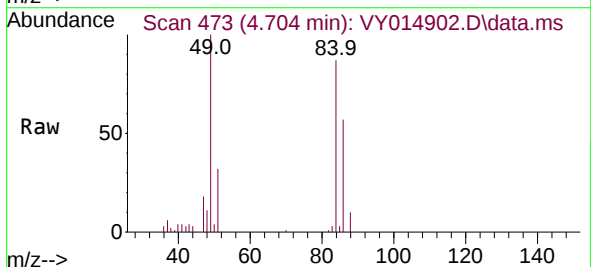
Instrument :
MSVOA_Y
ClientSampleId :
415/417-TP-1-(3-4)

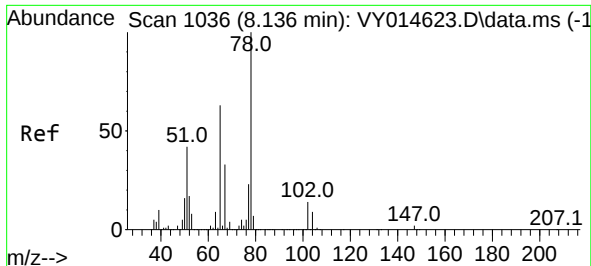
Tgt Ion: 76 Resp: 7982
Ion Ratio Lower Upper
76 100
78 8.0 7.0 10.4



#20
Methylene Chloride
Concen: 10.923 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

Tgt Ion: 84 Resp: 23032
Ion Ratio Lower Upper
84 100
49 114.5 106.9 160.3
51 36.2 33.2 49.8
86 65.0 51.0 76.6

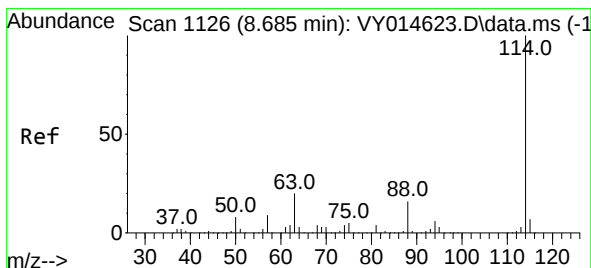
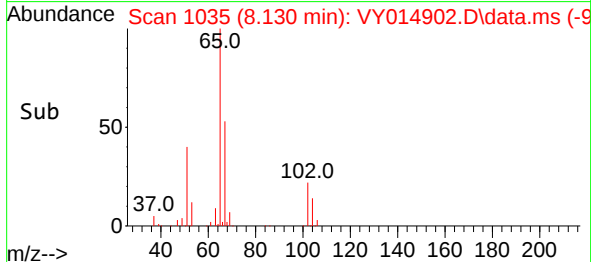
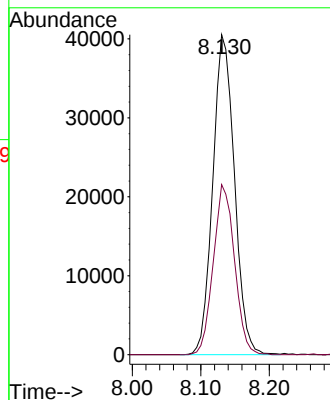
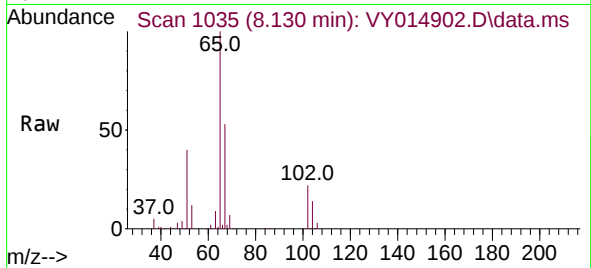




#33
 1,2-Dichloroethane-d4
 Concen: 56.521 ug/l
 RT: 8.130 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VY014902.D
 Acq: 28 Jul 2023 12:32

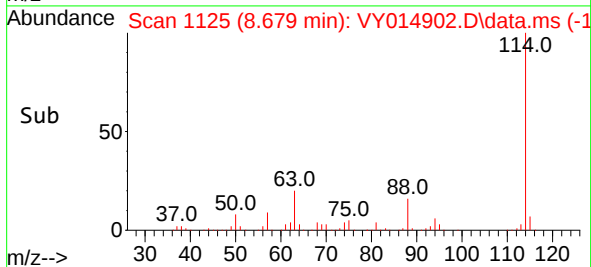
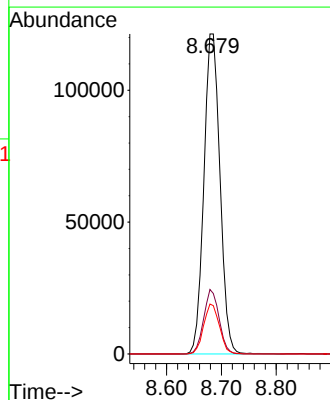
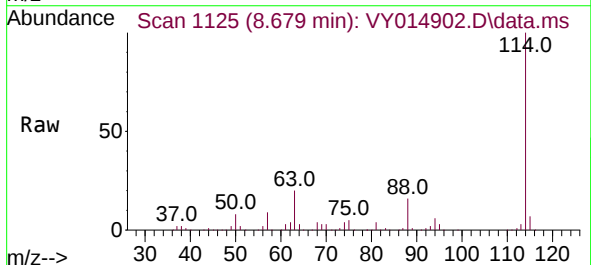
Instrument :
 MSVOA_Y
 ClientSampleId :
 415/417-TP-1-(3-4)

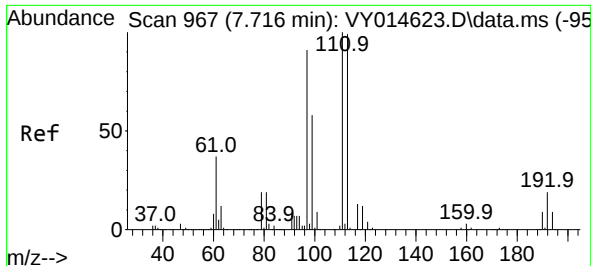
Tgt Ion: 65 Resp: 88905
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.679 min Scan# 1125
 Delta R.T. -0.006 min
 Lab File: VY014902.D
 Acq: 28 Jul 2023 12:32

Tgt Ion: 114 Resp: 246806
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.4
 88 15.6 0.0 30.6

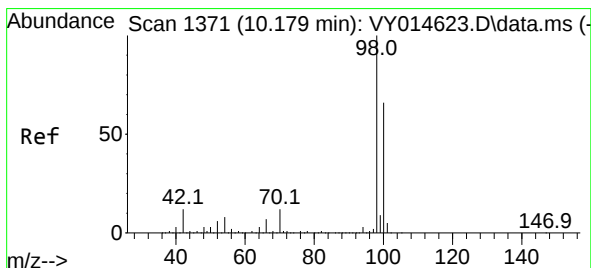
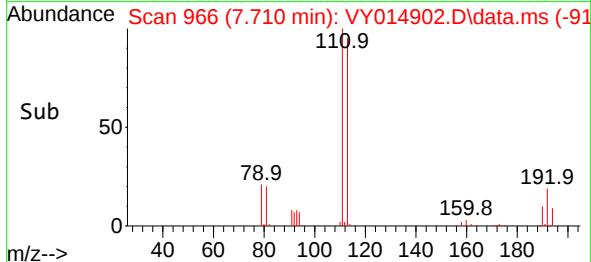
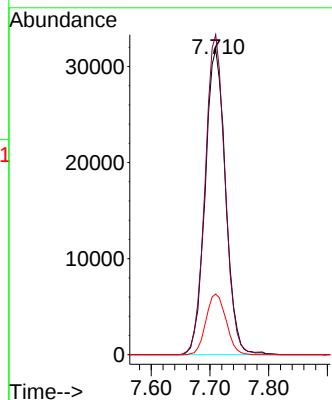
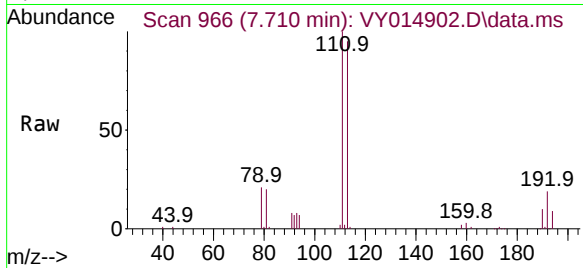




#35
Dibromofluoromethane
Concen: 48.775 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

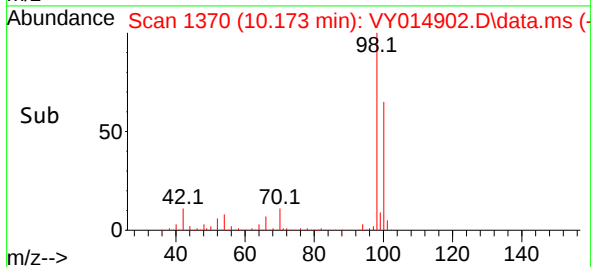
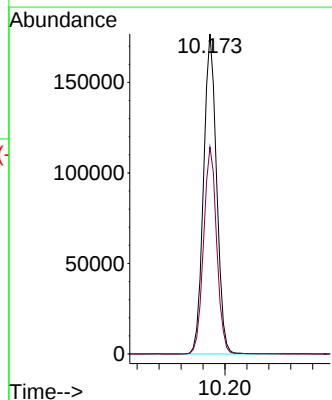
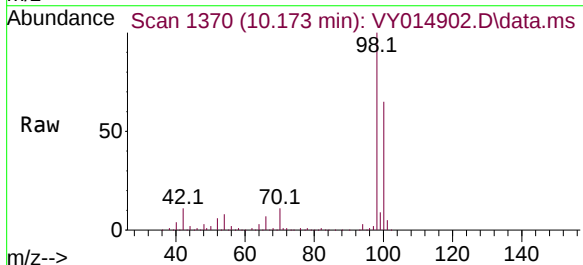
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415/417-TP-1-(3-4)

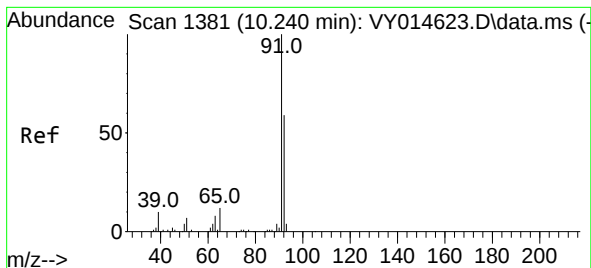
Tgt Ion:113 Resp: 76631
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 19.5 16.9 25.3



#50
Toluene-d8
Concen: 50.173 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

Tgt Ion: 98 Resp: 290617
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1





#52

Toluene

Concen: 1.605 ug/l

RT: 10.234 min Scan# 1380

Delta R.T. -0.006 min

Lab File: VY014902.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :

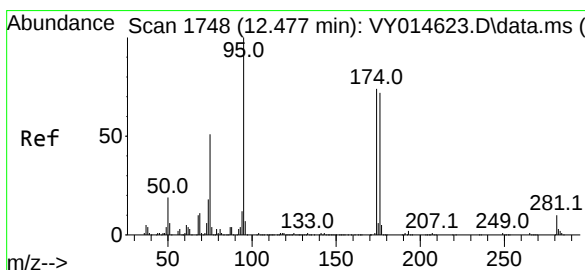
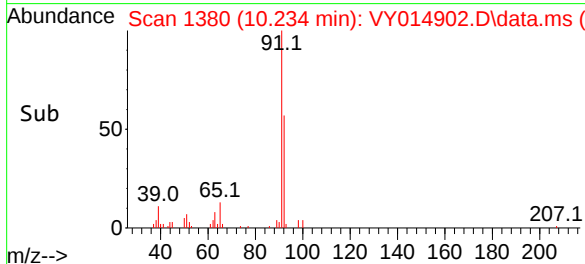
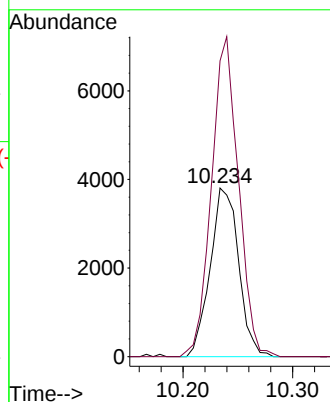
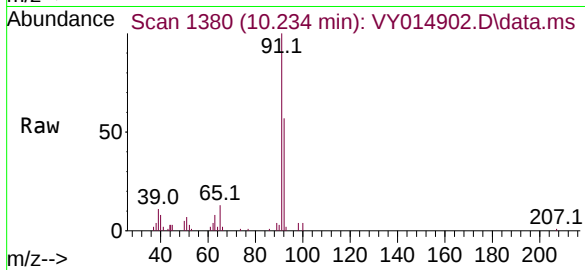
415/417-TP-1-(3-4)

Tgt Ion: 92 Resp: 6861

Ion Ratio Lower Upper

92 100

91 179.9 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 44.224 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014902.D

Acq: 28 Jul 2023 12:32

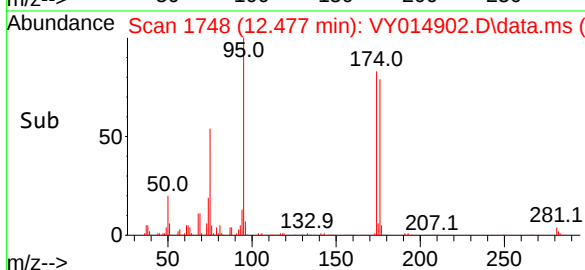
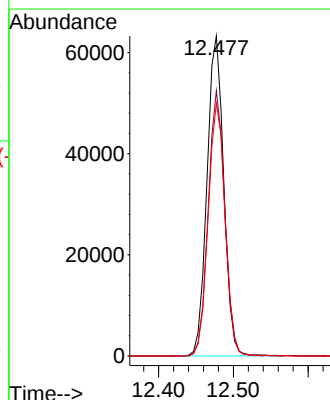
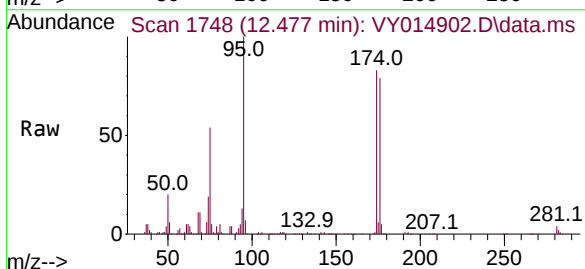
Tgt Ion: 95 Resp: 98222

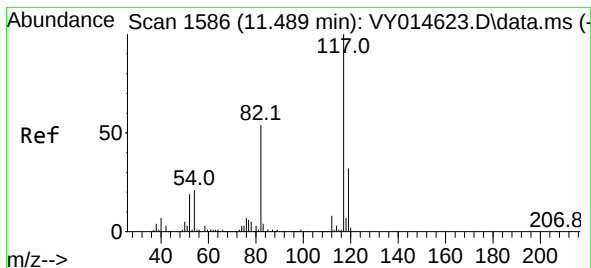
Ion Ratio Lower Upper

95 100

174 82.5 0.0 178.2

176 79.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014902.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :

415/417-TP-1-(3-4)

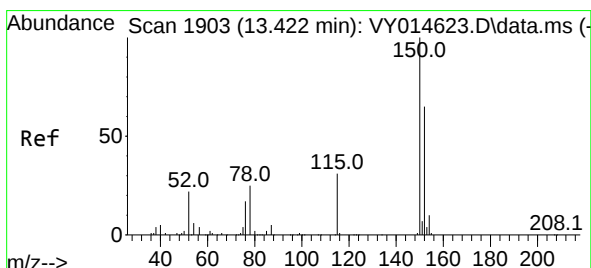
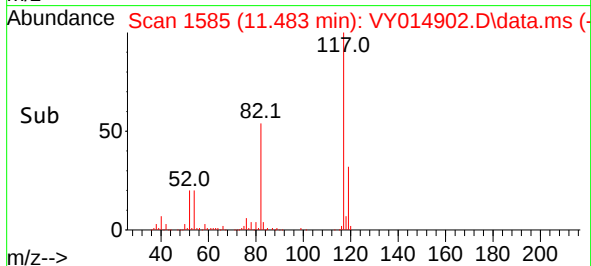
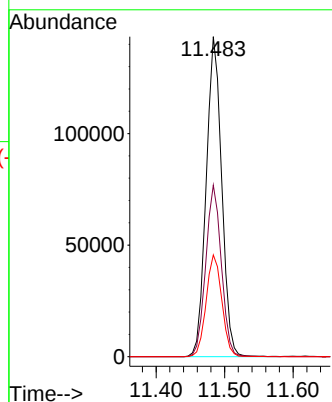
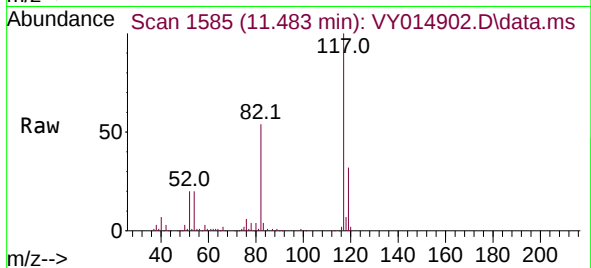
Tgt Ion:117 Resp: 226185

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 31.8 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: VY014902.D

Acq: 28 Jul 2023 12:32

Tgt Ion:152 Resp: 96883

Ion Ratio Lower Upper

152 100

115 59.2 28.8 86.5

150 154.4 0.0 348.8

