

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072823\
 Data File : VY014903.D
 Acq On : 28 Jul 2023 12:56
 Operator : SY/MD
 Sample : 03756-22
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 415/417-TP-2-(7-8)

Quant Time: Jul 29 03:03:39 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)

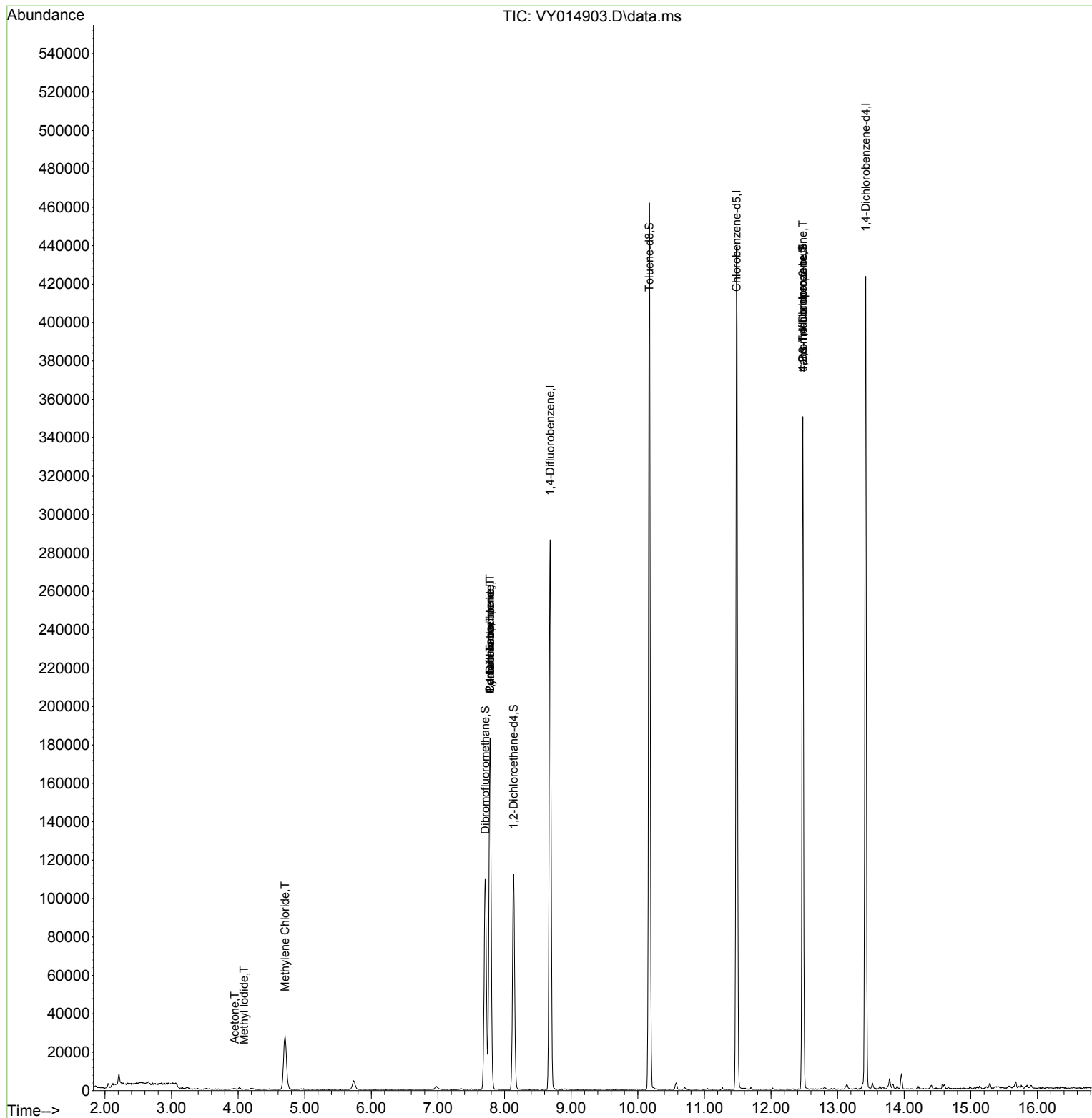
Internal Standards						
1) Pentafluorobenzene	7.783	168	142981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	249591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	235629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	110362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	88747	54.469	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	108.940%	
35) Dibromofluoromethane	7.710	113	79029	49.740	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	99.480%	
50) Toluene-d8	10.173	98	297346	50.762	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	101.520%	
62) 4-Bromofluorobenzene	12.477	95	105939	47.166	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	94.340%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.089	142	20	2.381	ug/l #	38
11) Tert butyl alcohol	4.948	59	337	Below Cal	#	89
16) Acetone	3.948	43	787	1.524	ug/l	96
20) Methylene Chloride	4.704	84	21506	9.392	ug/l	87
31) Cyclohexane	7.783	56	2945	1.089	ug/l #	2
36) 1,1-Dichloropropene	7.783	75	11212	4.719	ug/l #	50
38) Carbon Tetrachloride	7.783	117	14407	5.736	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	56858	40.792	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56858	78.981	ug/l #	11

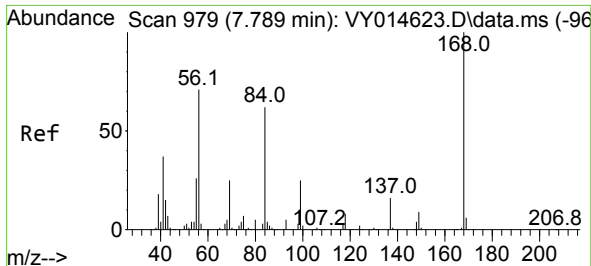
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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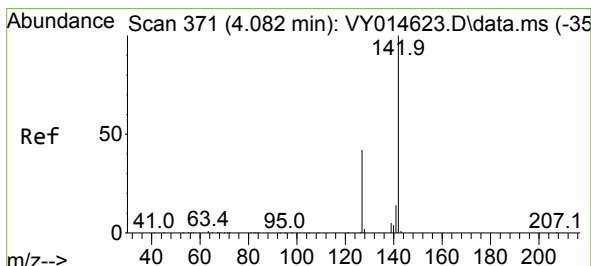
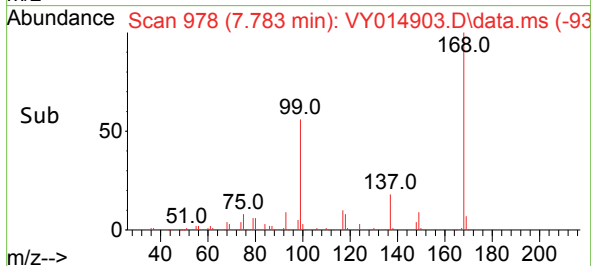
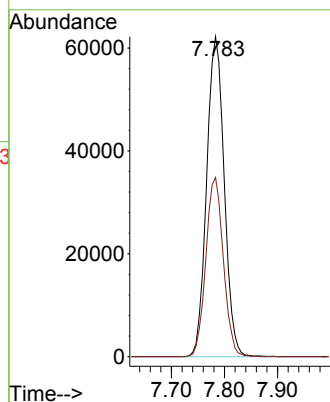
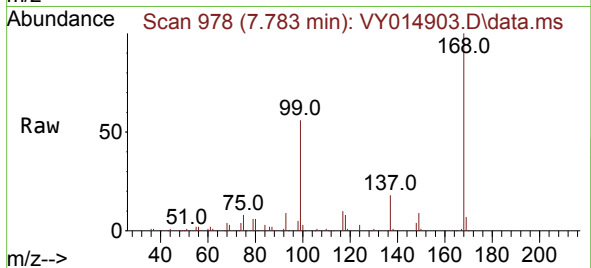




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014903.D
Acq: 28 Jul 2023 12:56

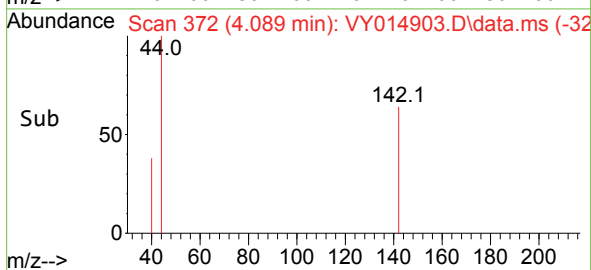
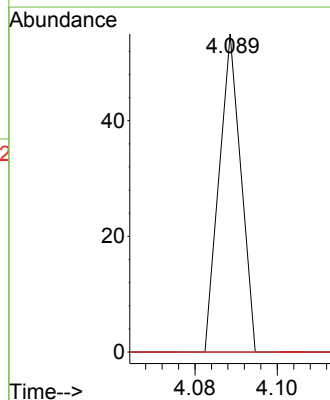
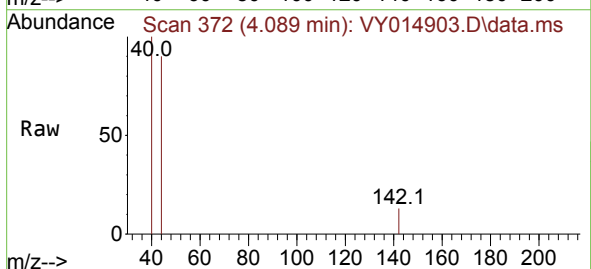
Instrument :
MSVOA_Y
ClientSampleId :
415/417-TP-2-(7-8)

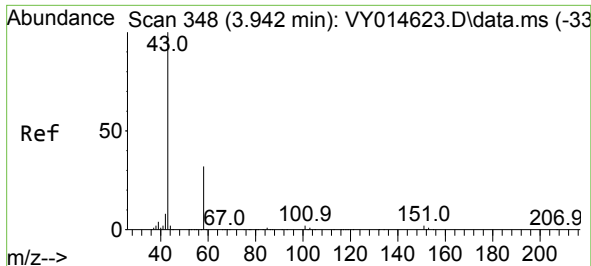
Tgt Ion:168 Resp: 142981
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#10
Methyl Iodide
Concen: 2.381 ug/l
RT: 4.089 min Scan# 372
Delta R.T. 0.007 min
Lab File: VY014903.D
Acq: 28 Jul 2023 12:56

Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 1.524 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY014903.D

Acq: 28 Jul 2023 12:56

Instrument :

MSVOA_Y

ClientSampleId :

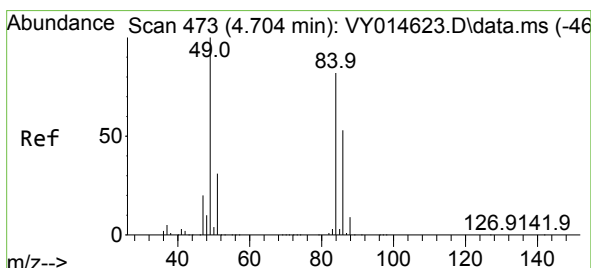
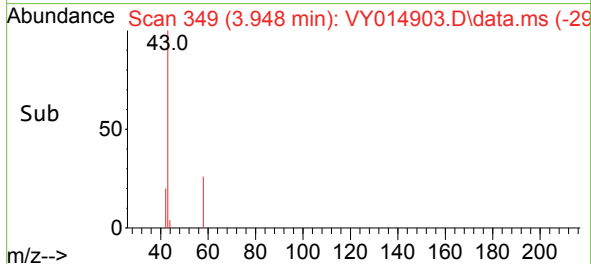
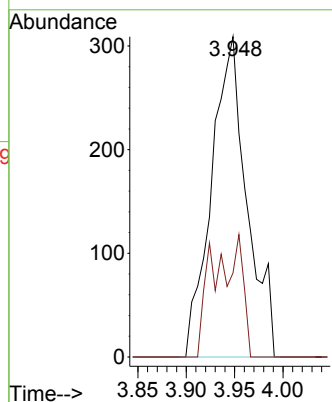
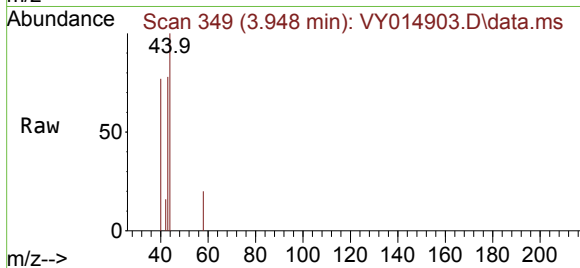
415/417-TP-2-(7-8)

Tgt Ion: 43 Resp: 787

Ion Ratio Lower Upper

43 100

58 26.2 22.7 34.1



#20

Methylene Chloride

Concen: 9.392 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY014903.D

Acq: 28 Jul 2023 12:56

Tgt Ion: 84 Resp: 21506

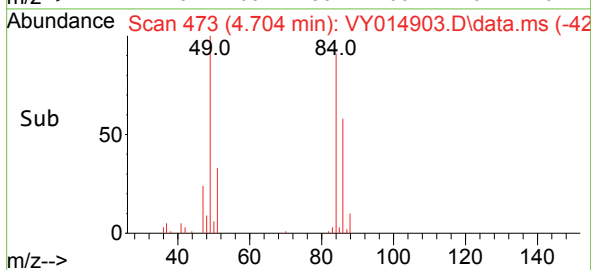
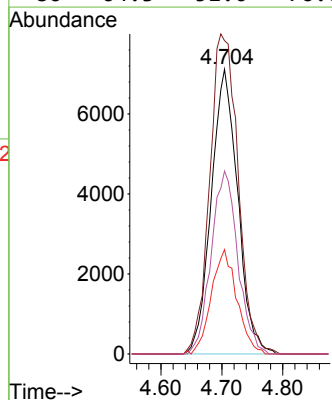
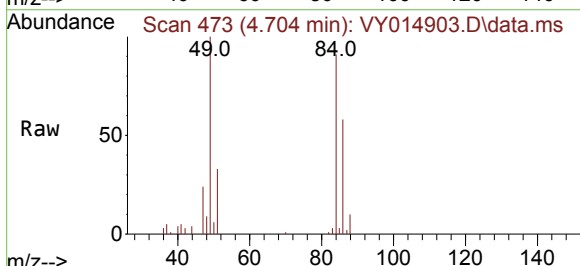
Ion Ratio Lower Upper

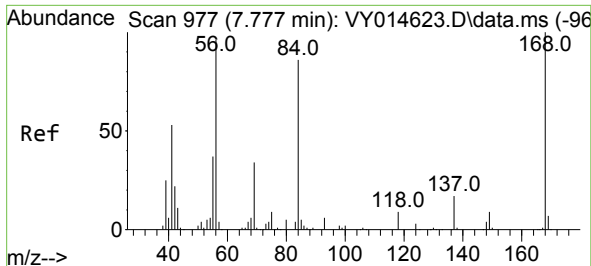
84 100

49 110.1 106.9 160.3

51 36.7 33.2 49.8

86 64.3 51.0 76.6

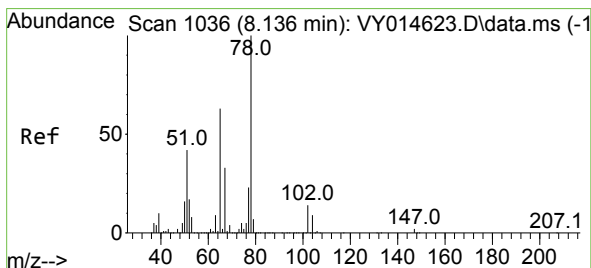
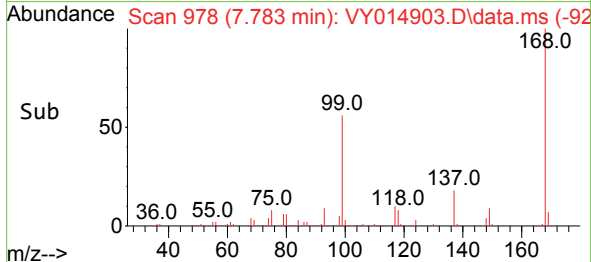
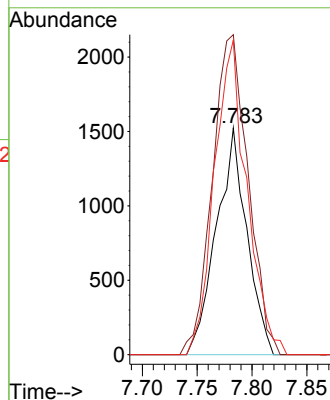
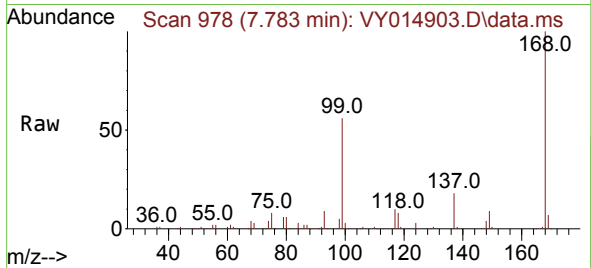




#31
Cyclohexane
Concen: 1.089 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014903.D
Acq: 28 Jul 2023 12:56

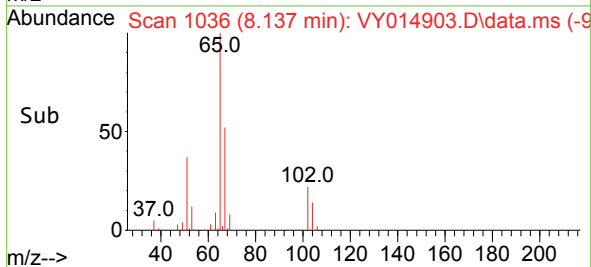
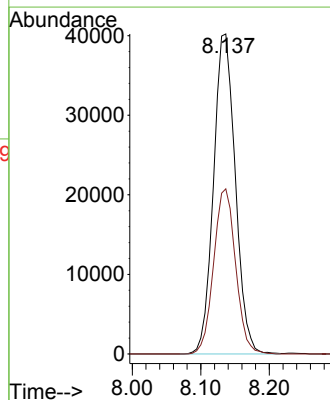
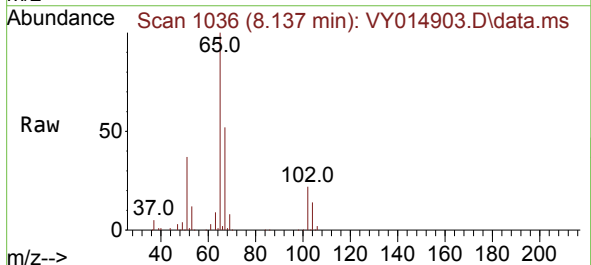
Instrument :
MSVOA_Y
ClientSampleId :
415/417-TP-2-(7-8)

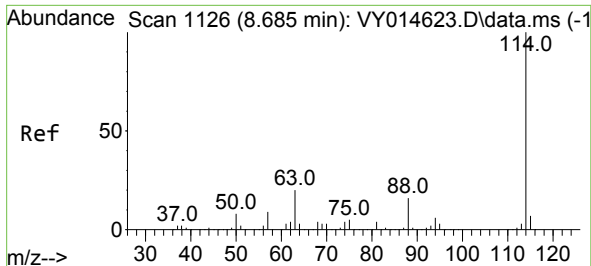
Tgt Ion: 56 Resp: 2945
Ion Ratio Lower Upper
56 100
69 141.2 27.8 41.6#
84 138.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.469 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY014903.D
Acq: 28 Jul 2023 12:56

Tgt Ion: 65 Resp: 88747
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.8

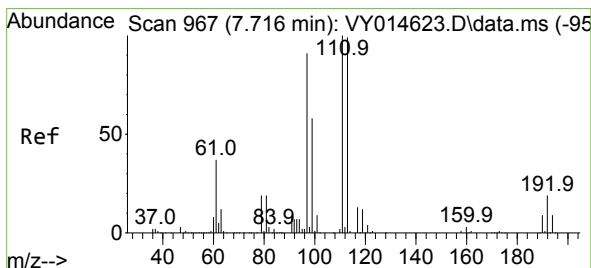
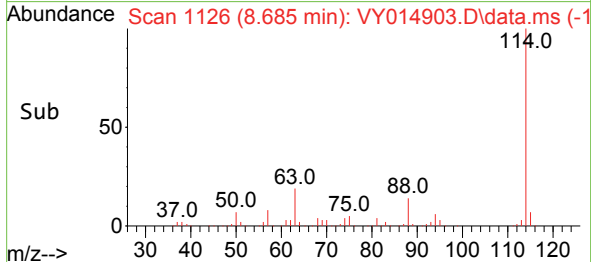
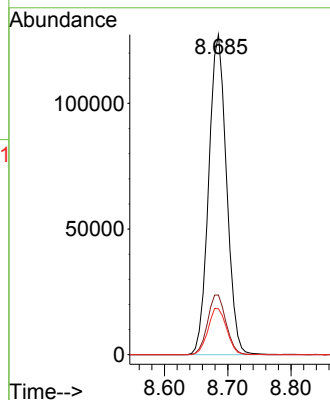
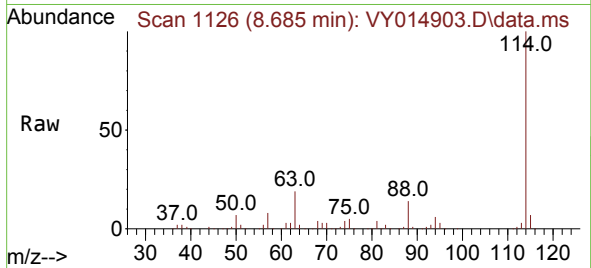




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014903.D
Acq: 28 Jul 2023 12:56

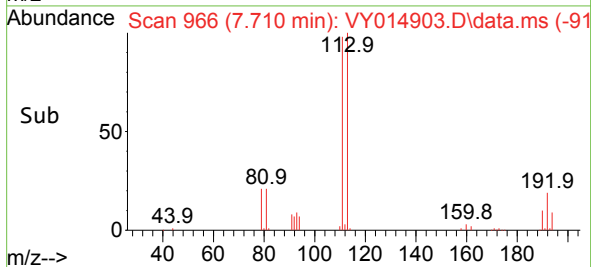
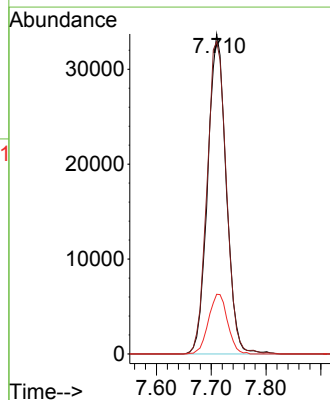
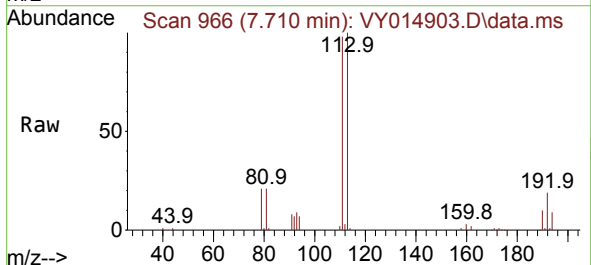
Instrument :
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ClientSampleId :
415/417-TP-2-(7-8)

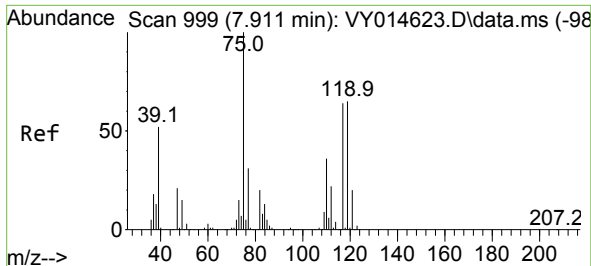
Tgt Ion:114 Resp: 249591
Ion Ratio Lower Upper
114 100
63 18.7 0.0 42.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.740 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014903.D
Acq: 28 Jul 2023 12:56

Tgt Ion:113 Resp: 79029
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 19.2 16.9 25.3

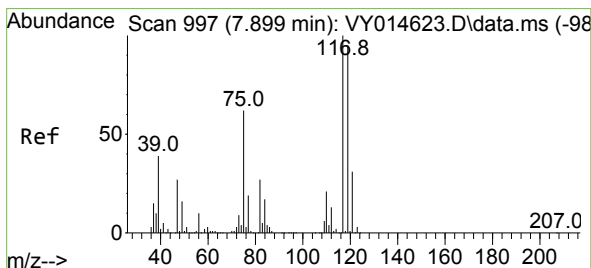
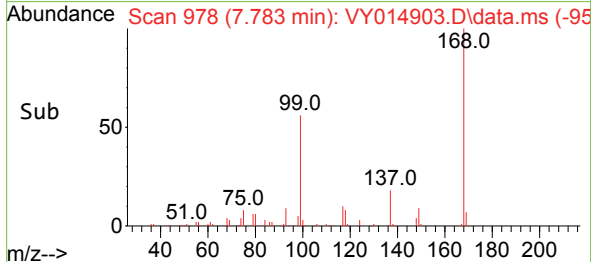
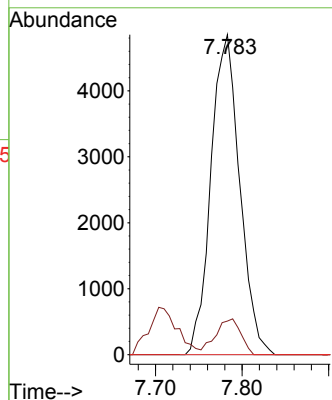
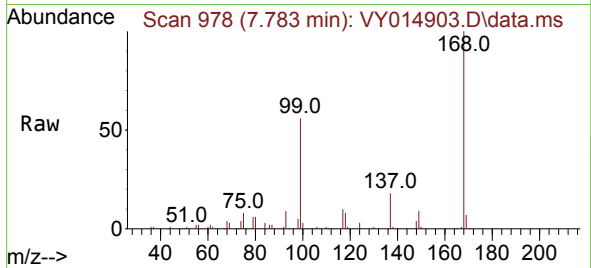




#36
 1,1-Dichloropropene
 Concen: 4.719 ug/l
 RT: 7.783 min Scan# 912
 Delta R.T. -0.128 min
 Lab File: VY014903.D
 Acq: 28 Jul 2023 12:56

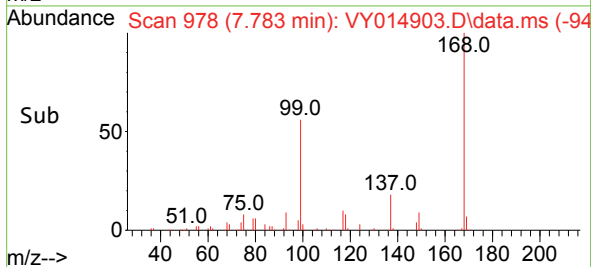
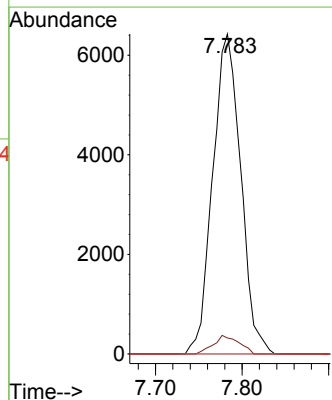
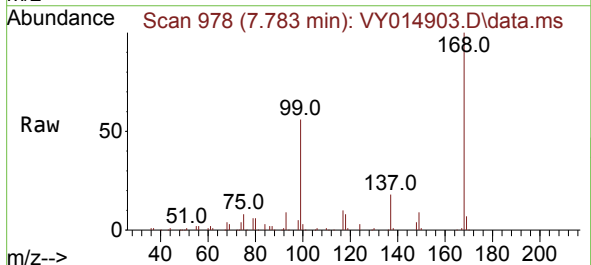
Instrument :
 MSVOA_Y
 ClientSampleId :
 415/417-TP-2-(7-8)

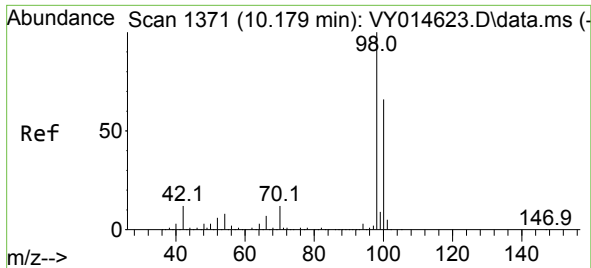
Tgt Ion: 75 Resp: 11212
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.736 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY014903.D
 Acq: 28 Jul 2023 12:56

Tgt Ion: 117 Resp: 14407
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.4 114.6#
 121 0.0 25.8 38.6#

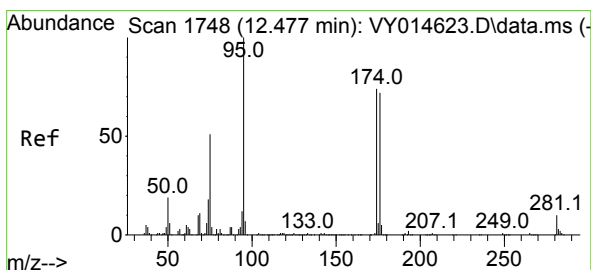
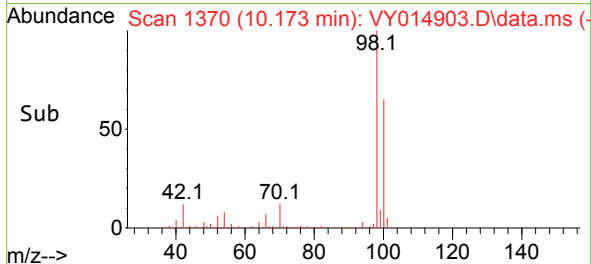
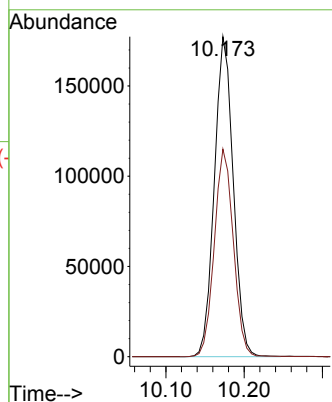
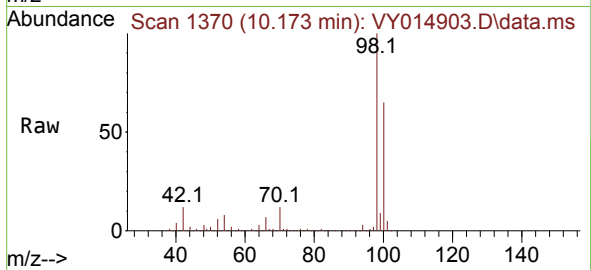




#50
Toluene-d8
Concen: 50.762 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014903.D
Acq: 28 Jul 2023 12:56

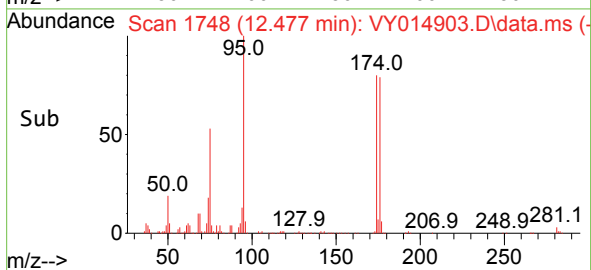
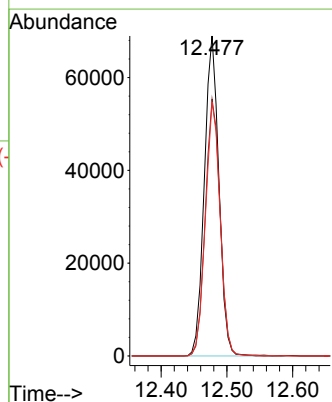
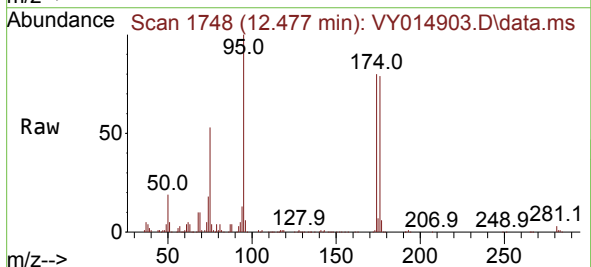
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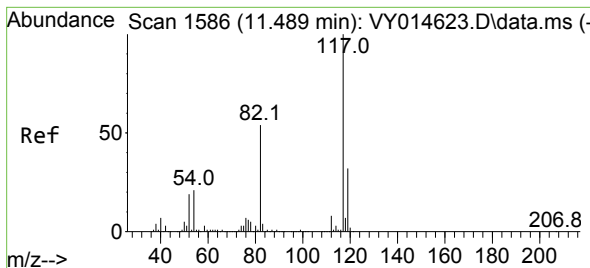
Tgt Ion: 98 Resp: 297346
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.166 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014903.D
Acq: 28 Jul 2023 12:56

Tgt Ion: 95 Resp: 105939
Ion Ratio Lower Upper
95 100
174 82.1 0.0 178.2
176 80.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.484 min Scan# 11

Delta R.T. -0.005 min

Lab File: VY014903.D

Acq: 28 Jul 2023 12:56

Instrument :

MSVOA_Y

ClientSampleId :

415/417-TP-2-(7-8)

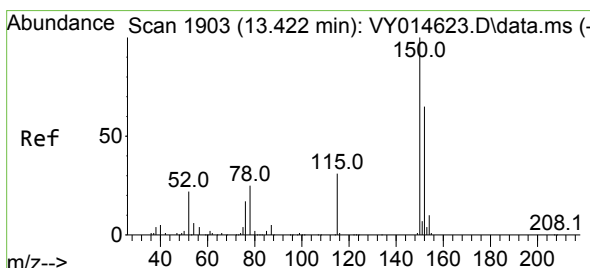
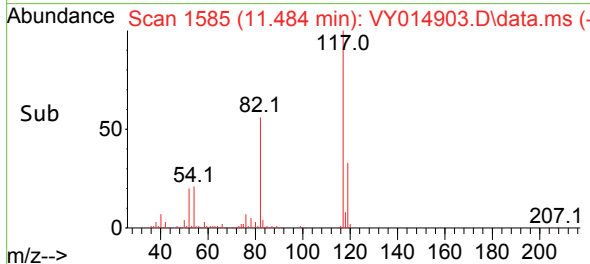
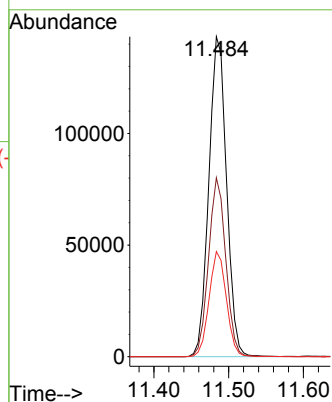
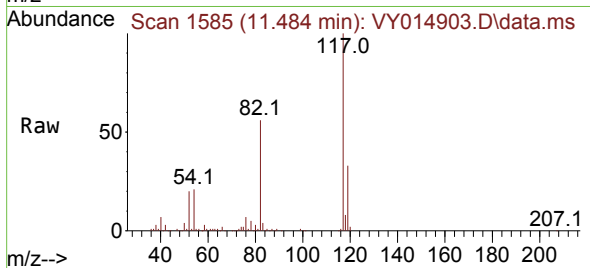
Tgt Ion:117 Resp: 235629

Ion Ratio Lower Upper

117 100

82 55.9 43.4 65.0

119 32.8 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: VY014903.D

Acq: 28 Jul 2023 12:56

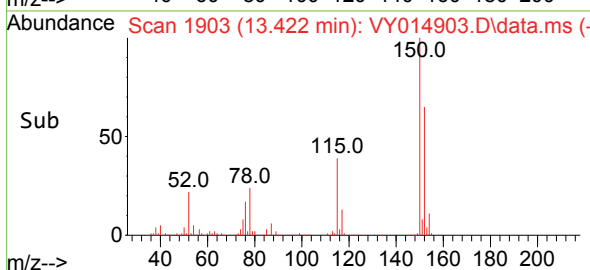
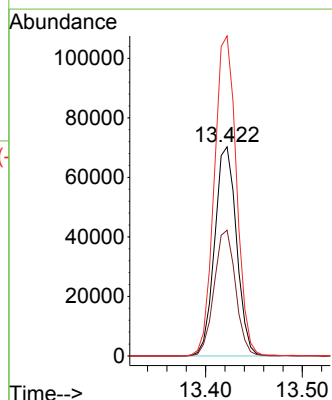
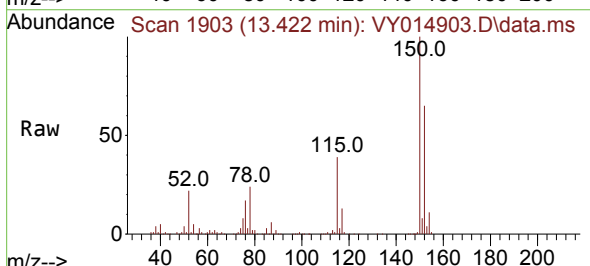
Tgt Ion:152 Resp: 110362

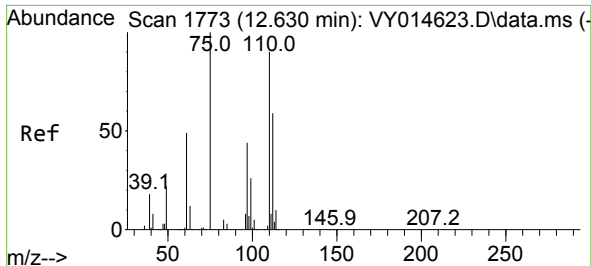
Ion Ratio Lower Upper

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115 59.1 28.8 86.5

150 155.3 0.0 348.8

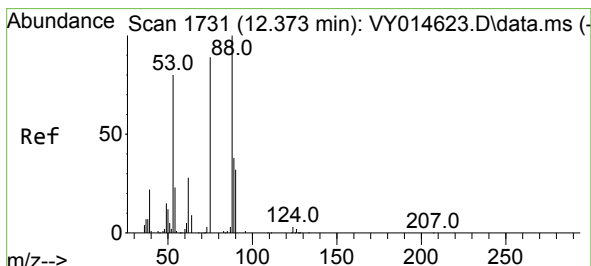
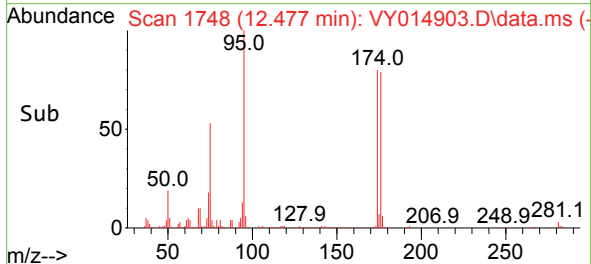
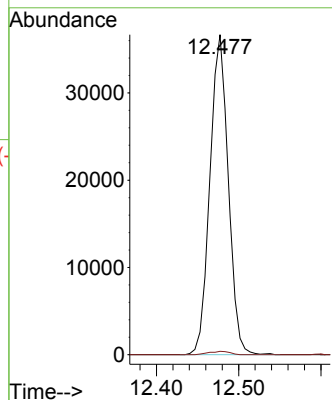
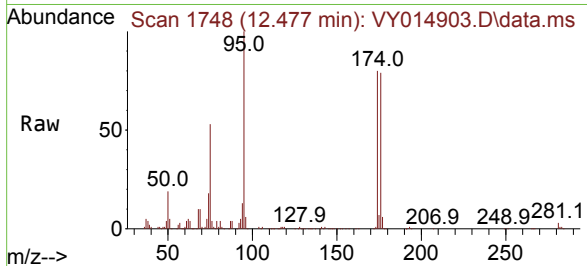




#76
1,2,3-Trichloropropane
Concen: 40.792 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014903.D
Acq: 28 Jul 2023 12:56

Instrument :
MSVOA_Y
ClientSampleId :
415/417-TP-2-(7-8)

Tgt Ion: 75 Resp: 56858
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.981 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014903.D
Acq: 28 Jul 2023 12:56

Tgt Ion: 75 Resp: 56858
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

