

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)

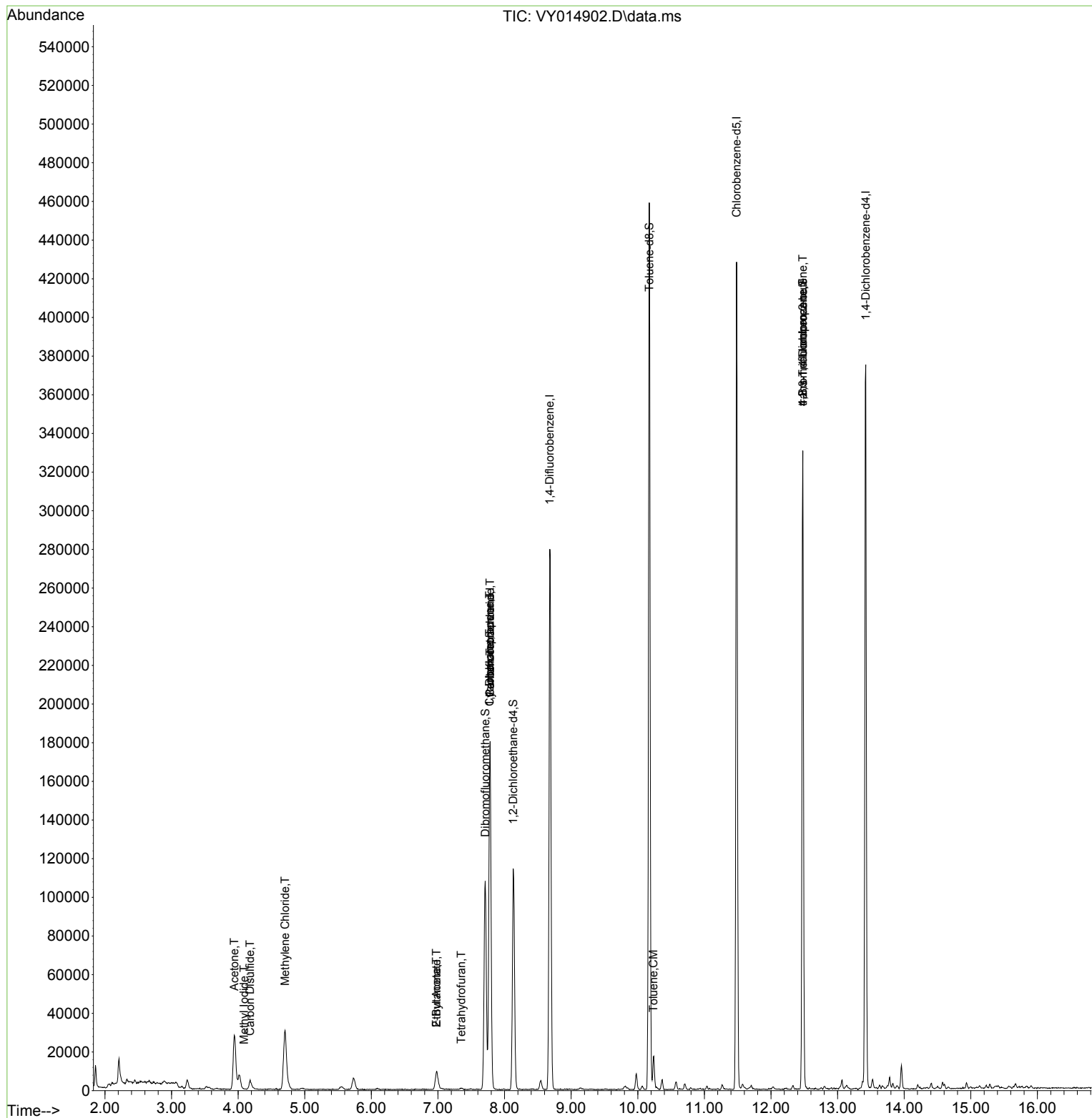
Internal Standards						
1) Pentafluorobenzene	7.783	168	138035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	246806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	226185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	96883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
10) Methyl Iodide	4.088	142	51	2.401	ug/l #	38
11) Tert butyl alcohol	4.948	59	1320	Below Cal	#	89
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
25) 2-Butanone	6.978	43	8472	11.618	ug/l	96
29) Tetrahydrofuran	7.350	42	452	1.007	ug/l #	73
31) Cyclohexane	7.777	56	3107	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	11331	4.823	ug/l #	50
37) Ethyl Acetate	6.978	43	8472	5.237	ug/l #	74
38) Carbon Tetrachloride	7.783	117	13784	5.550	ug/l #	16
52) Toluene	10.234	92	6861	1.605	ug/l	100
76) 1,2,3-Trichloropropane	12.477	75	52776	43.132	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	52776	83.510	ug/l #	10

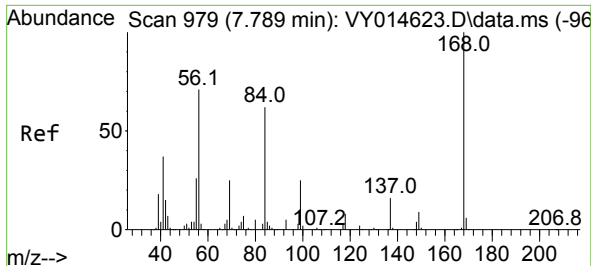
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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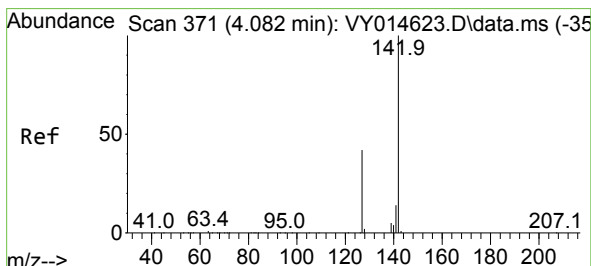
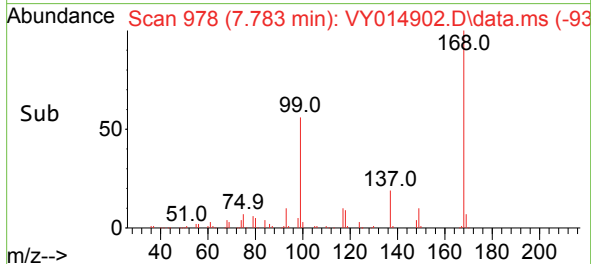
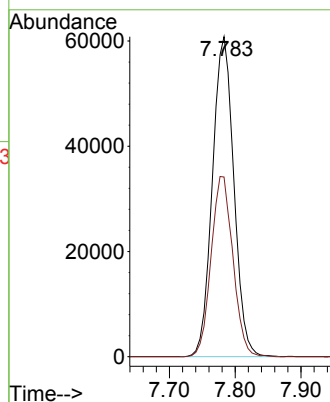
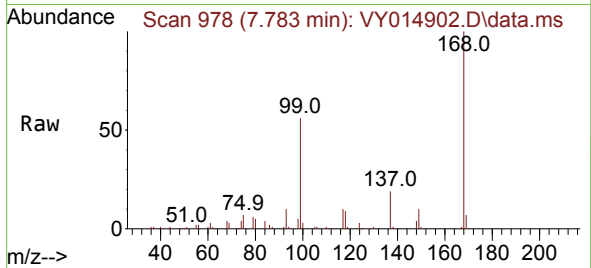




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

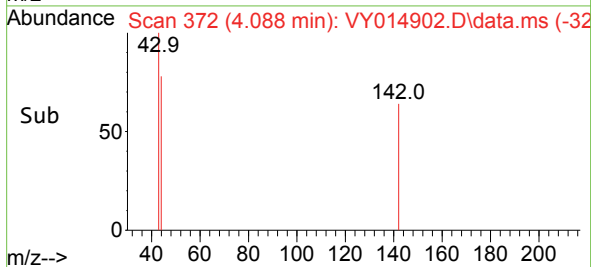
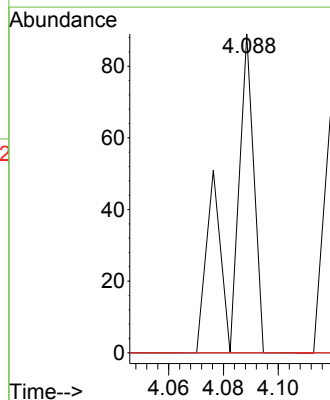
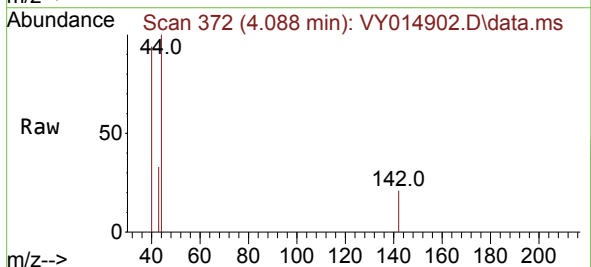
Instrument :
MSVOA_Y
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415/417-TP-1-(3-4)

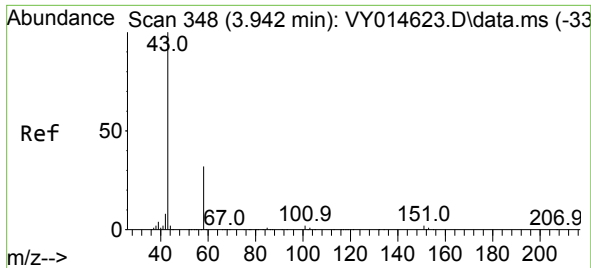
Tgt Ion:168 Resp: 138035
Ion Ratio Lower Upper
168 100
99 56.1 43.4 65.0



#10
Methyl Iodide
Concen: 2.401 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

Tgt Ion:142 Resp: 51
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 105.689 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY014902.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :

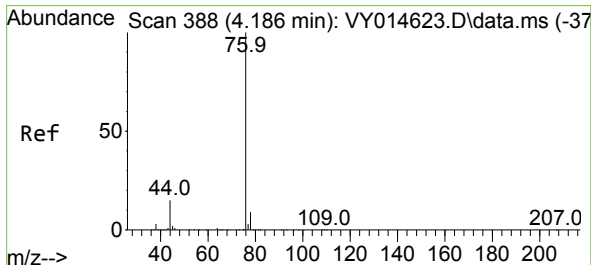
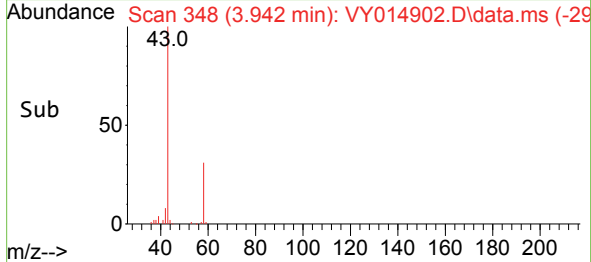
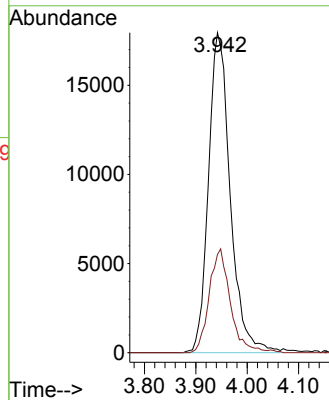
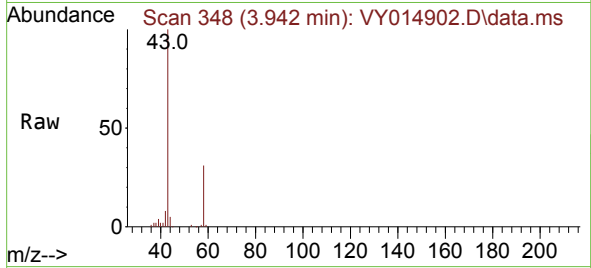
415/417-TP-1-(3-4)

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# 387

Delta R.T. -0.006 min

Lab File: VY014902.D

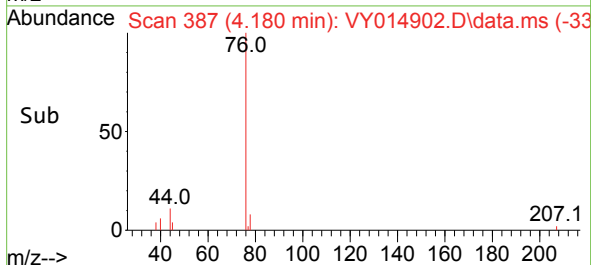
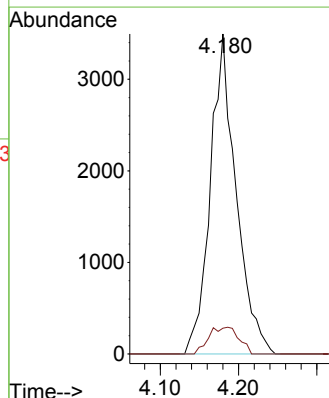
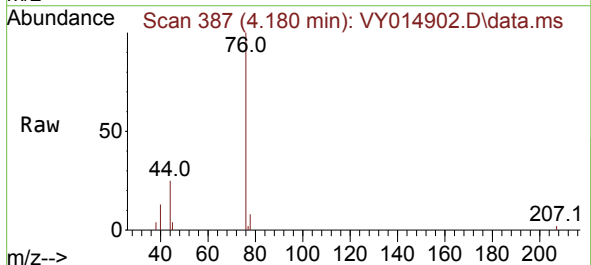
Acq: 28 Jul 2023 12:32

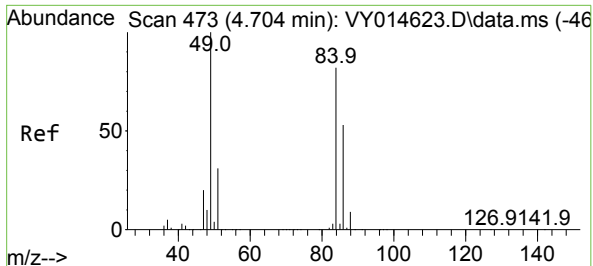
Tgt Ion: 76 Resp: 7982

Ion Ratio Lower Upper

76 100

78 8.0 7.0 10.4

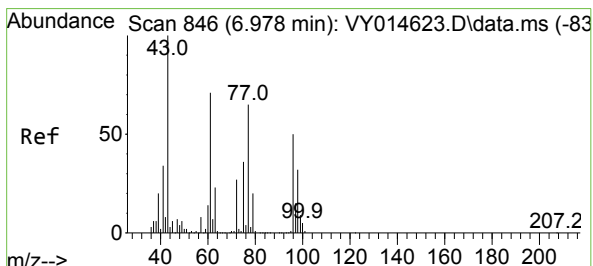
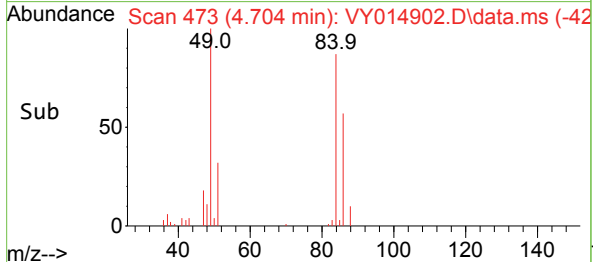
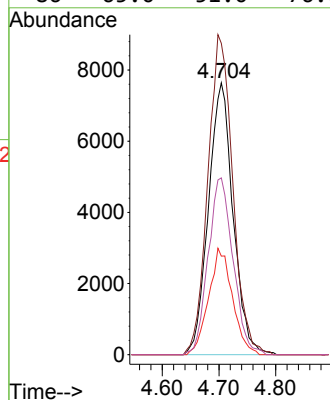
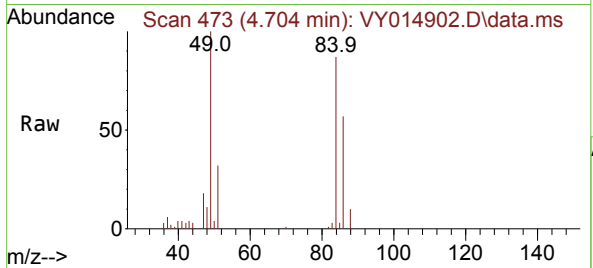




#20
Methylene Chloride
Concen: 10.923 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

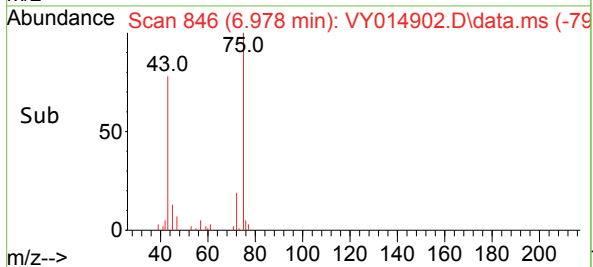
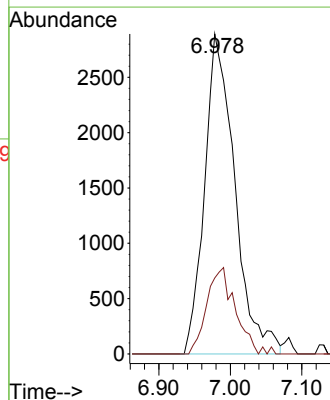
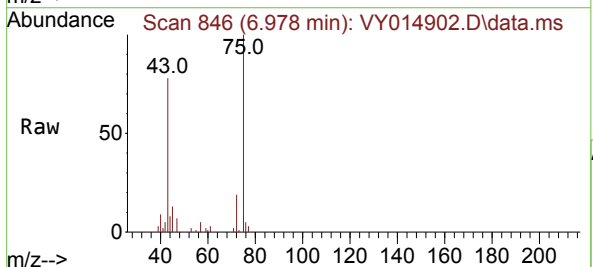
Instrument :
MSVOA_Y
ClientSampleId :
415/417-TP-1-(3-4)

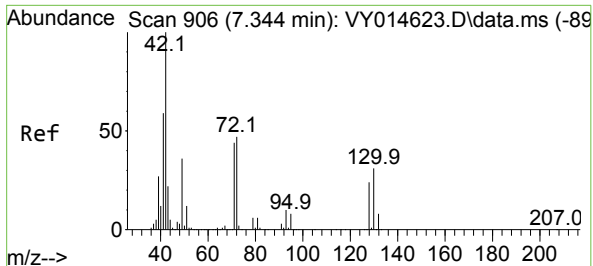
Tgt Ion:	84	Resp:	23032
Ion	Ratio	Lower	Upper
84	100		
49	114.5	106.9	160.3
51	36.2	33.2	49.8
86	65.0	51.0	76.6



#25
2-Butanone
Concen: 11.618 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

Tgt Ion:	43	Resp:	8472
Ion	Ratio	Lower	Upper
43	100		
72	23.7	20.5	30.7





#29

Tetrahydrofuran

Concen: 1.007 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY014902.D

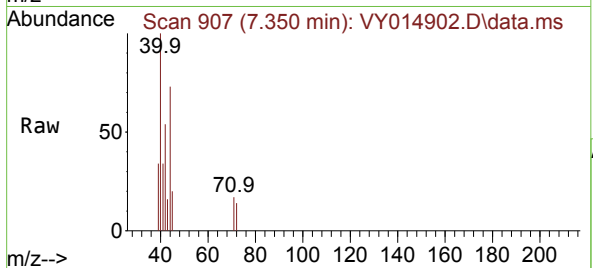
Acq: 28 Jul 2023 12:32

Instrument :

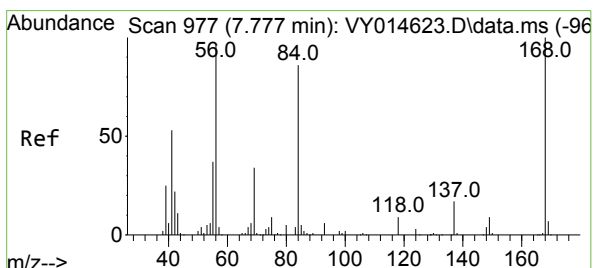
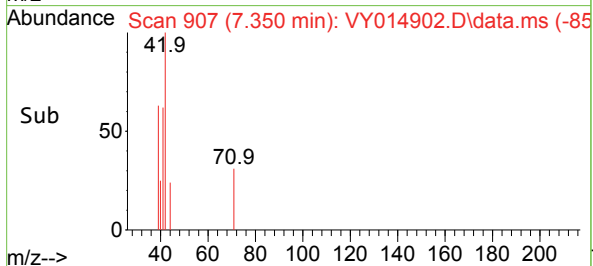
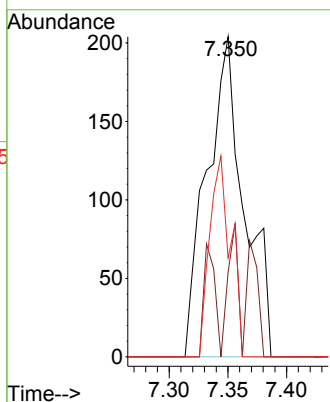
MSVOA_Y

ClientSampleId :

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



Tgt Ion:	42	Resp:	452
Ion	Ratio	Lower	Upper
42	100		
72	11.3	32.8	49.2#
71	35.4	31.0	46.4



#31

Cyclohexane

Concen: 1.190 ug/l

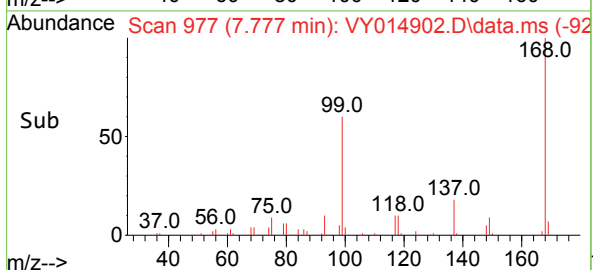
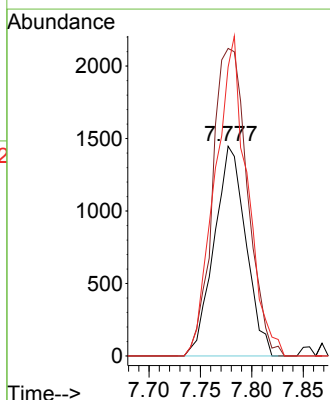
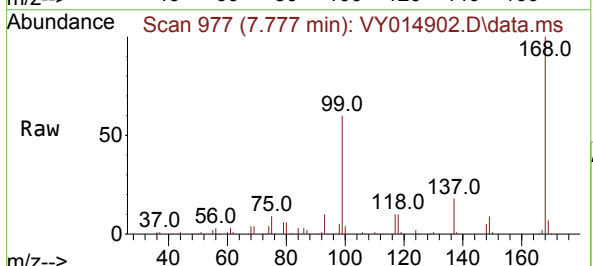
RT: 7.777 min Scan# 977

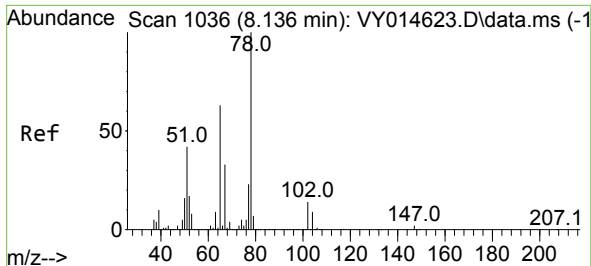
Delta R.T. -0.000 min

Lab File: VY014902.D

Acq: 28 Jul 2023 12:32

Tgt Ion:	56	Resp:	3107
Ion	Ratio	Lower	Upper
56	100		
69	146.5	27.8	41.6#
84	137.7	66.4	99.6#

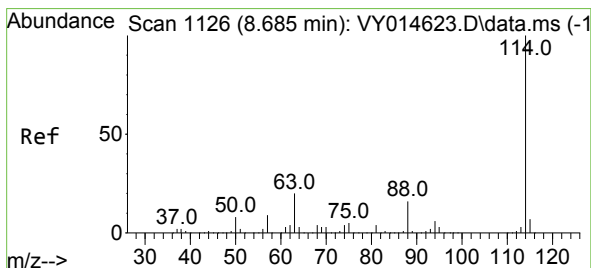
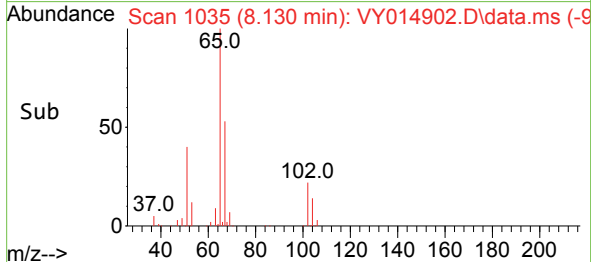
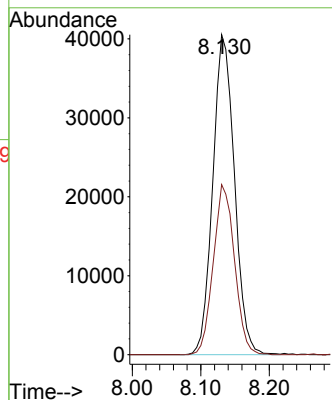
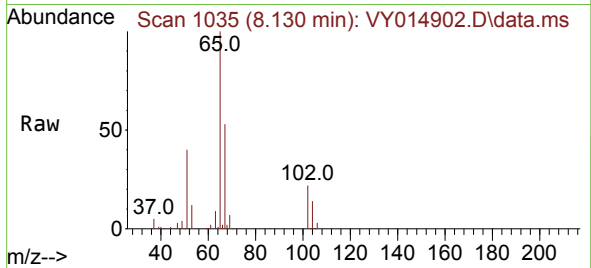




#33
 1,2-Dichloroethane-d4
 Concen: 56.521 ug/l
 RT: 8.130 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VY014902.D
 Acq: 28 Jul 2023 12:32

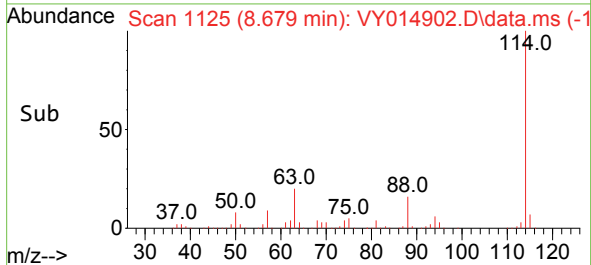
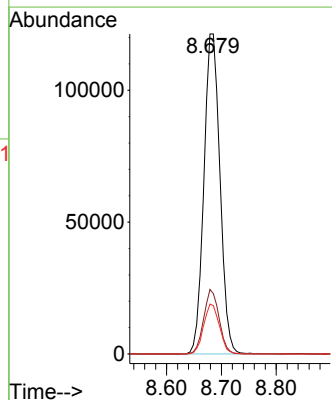
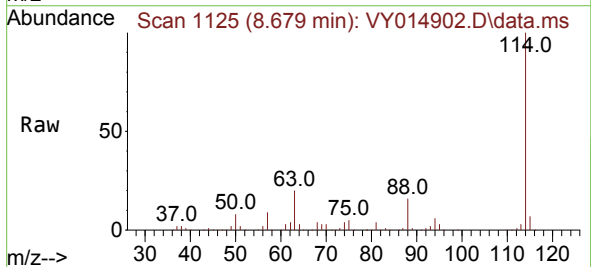
Instrument :
 MSVOA_Y
 ClientSampleId :
 415/417-TP-1-(3-4)

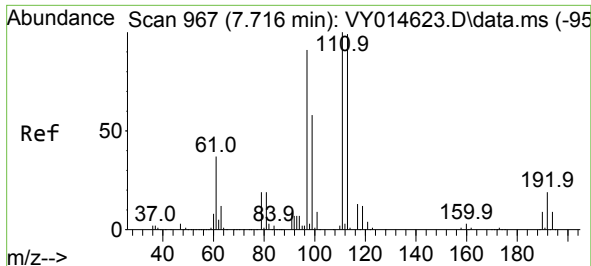
Tgt Ion: 65 Resp: 88905
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 101.8



#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

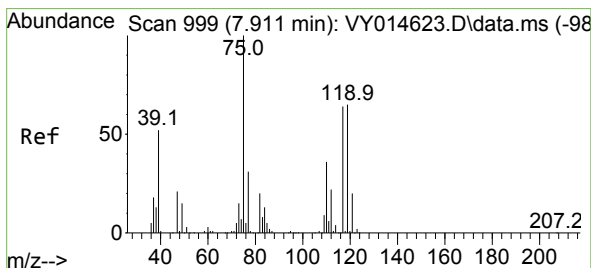
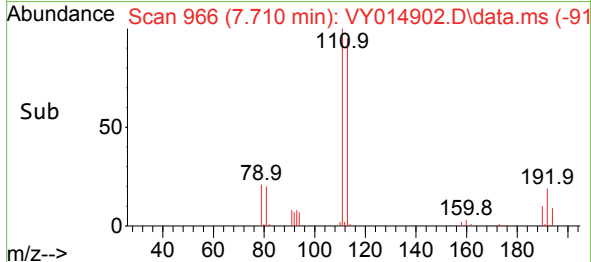
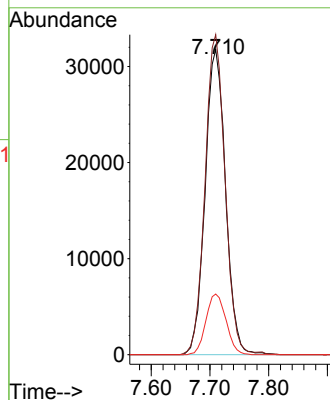
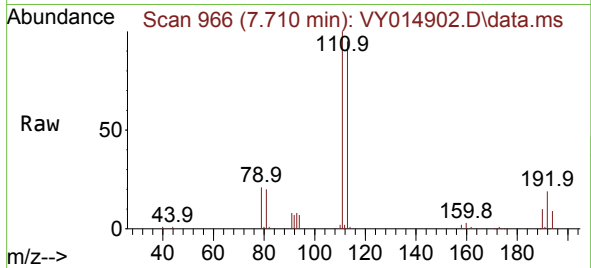




#35
Dibromofluoromethane
Concen: 48.775 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

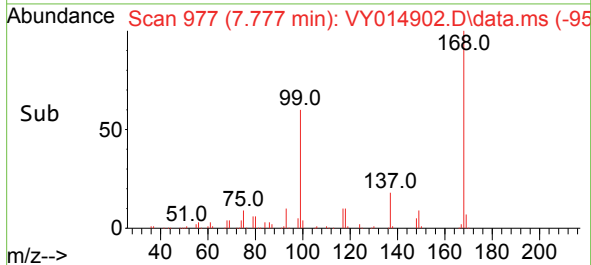
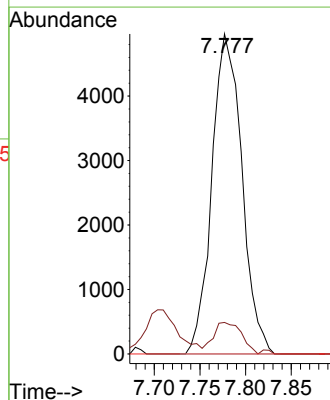
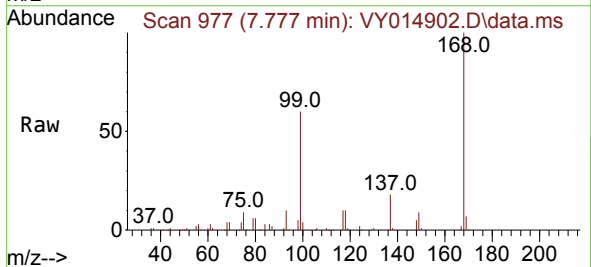
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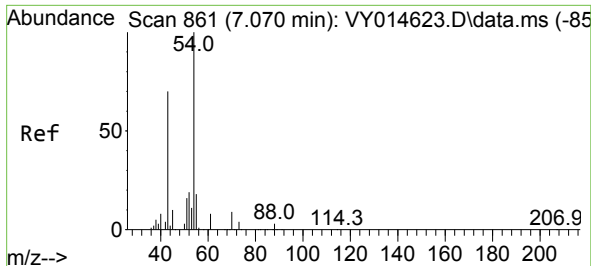
Tgt Ion:113 Resp: 76631
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.823 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

Tgt Ion: 75 Resp: 11331
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#

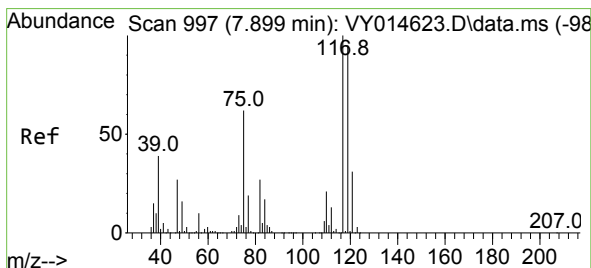
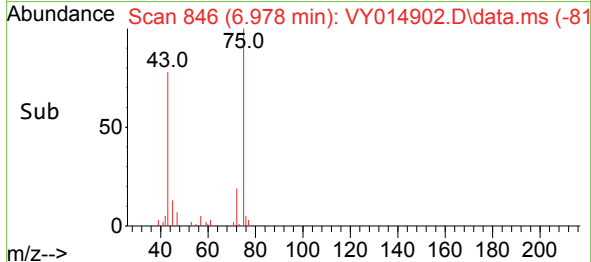
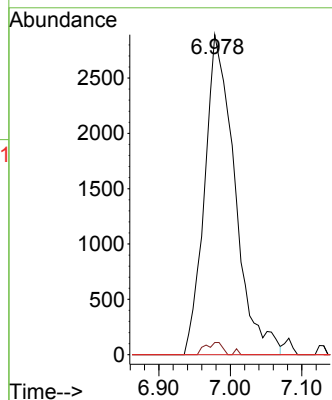
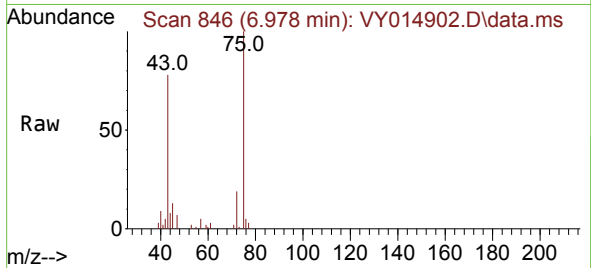




#37
Ethyl Acetate
Concen: 5.237 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.092 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

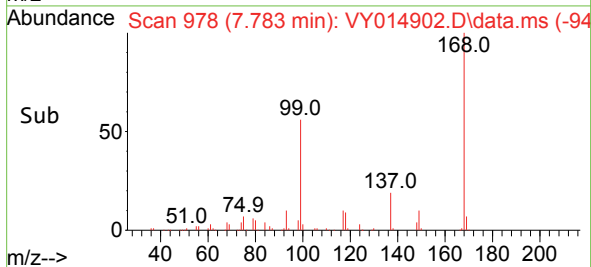
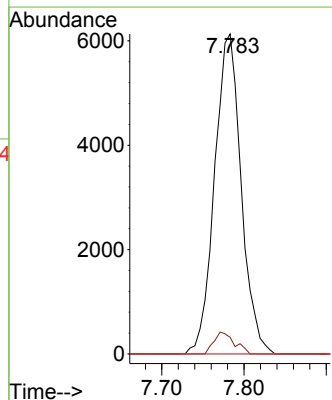
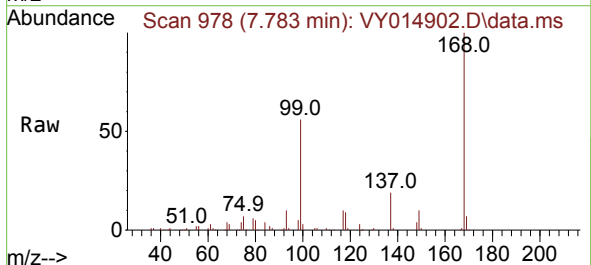
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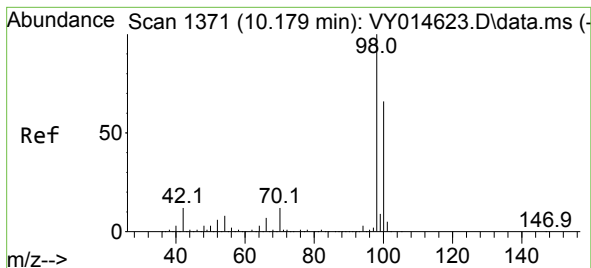
Tgt Ion: 43 Resp: 8472
Ion Ratio Lower Upper
43 100
61 2.1 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.550 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

Tgt Ion: 117 Resp: 13784
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.173 ug/l

RT: 10.173 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014902.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :

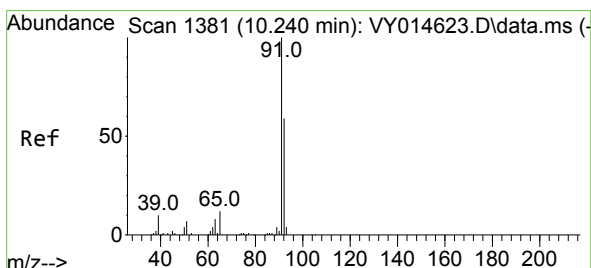
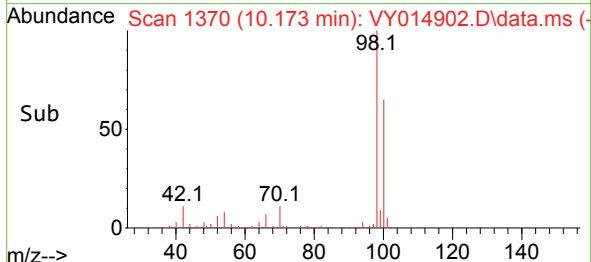
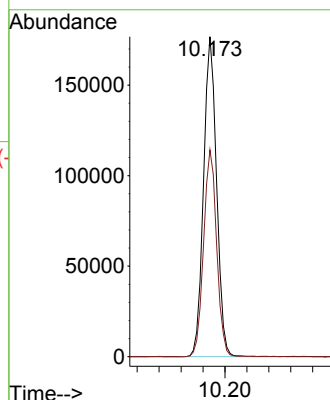
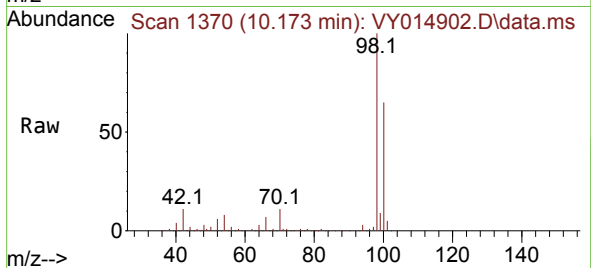
415/417-TP-1-(3-4)

Tgt Ion: 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

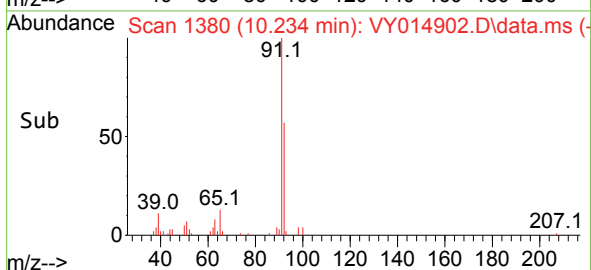
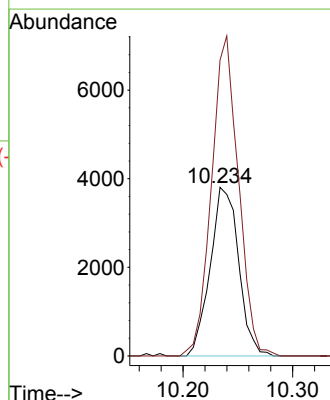
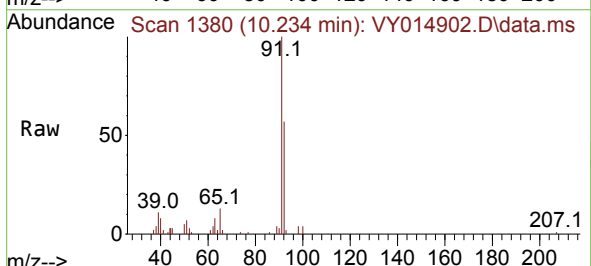
Acq: 28 Jul 2023 12:32

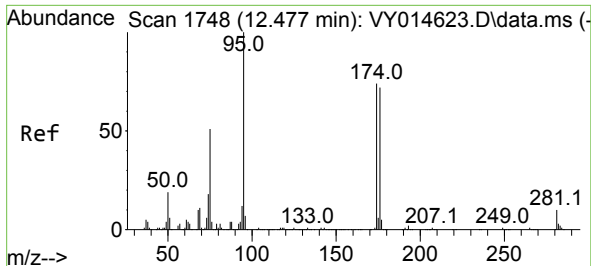
Tgt Ion: 92 Resp: 6861

Ion Ratio Lower Upper

92 100

91 179.9 143.8 215.6

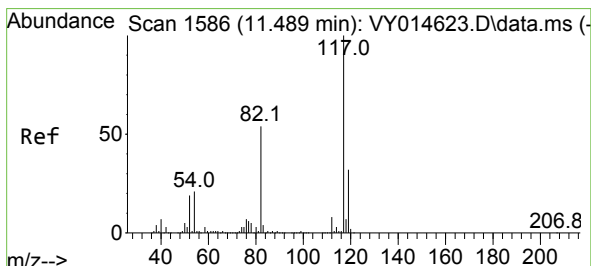
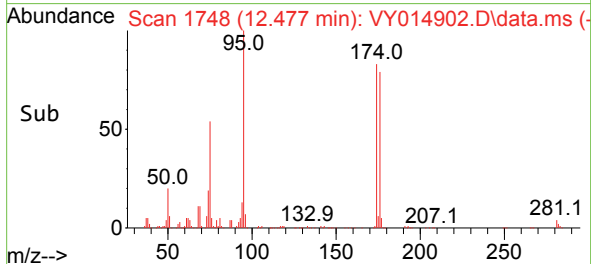
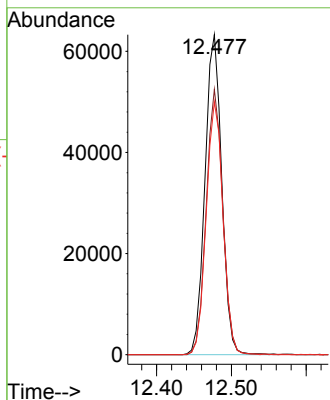
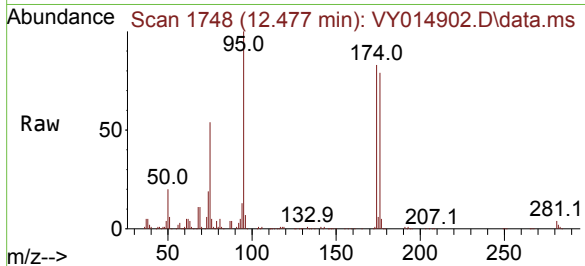




#62
4-Bromofluorobenzene
Concen: 44.224 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

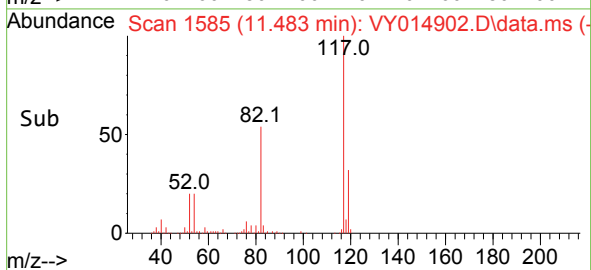
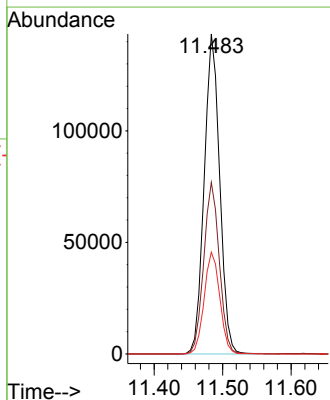
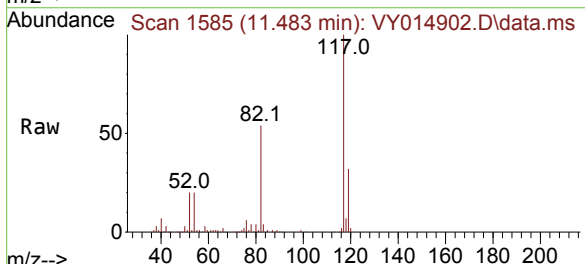
Instrument :
MSVOA_Y
ClientSampleId :
415/417-TP-1-(3-4)

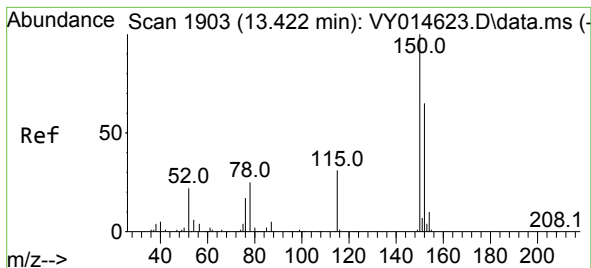
Tgt Ion: 95 Resp: 98222
Ion Ratio Lower Upper
95 100
174 82.5 0.0 178.2
176 79.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY014902.D
Acq: 28 Jul 2023 12:32

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

Instrument :

MSVOA_Y

ClientSampleId :

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

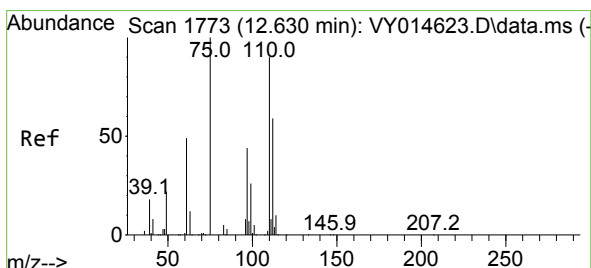
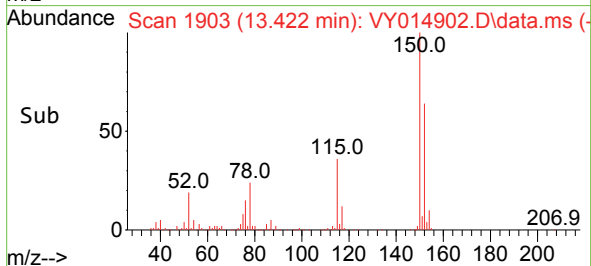
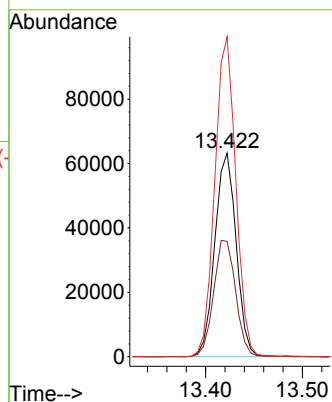
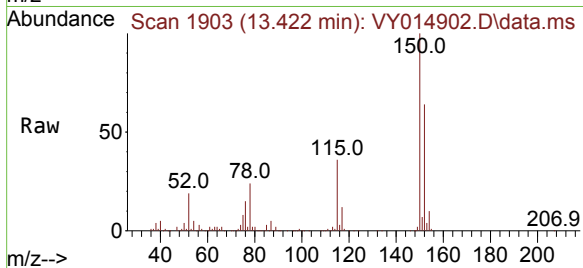
Tgt Ion:152 Resp: 96883

Ion Ratio Lower Upper

152 100

115 59.2 28.8 86.5

150 154.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 43.132 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014902.D

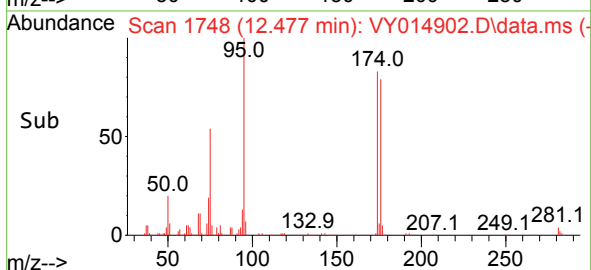
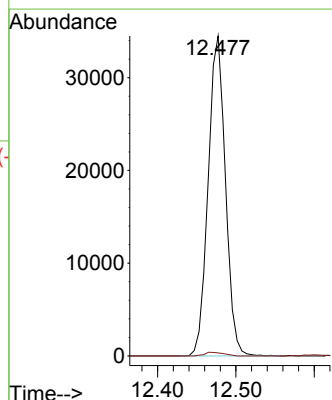
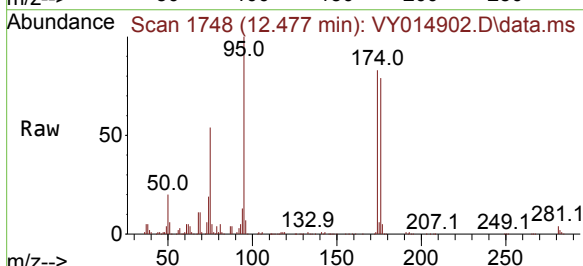
Acq: 28 Jul 2023 12:32

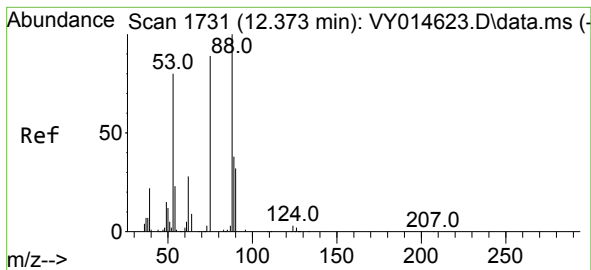
Tgt Ion: 75 Resp: 52776

Ion Ratio Lower Upper

75 100

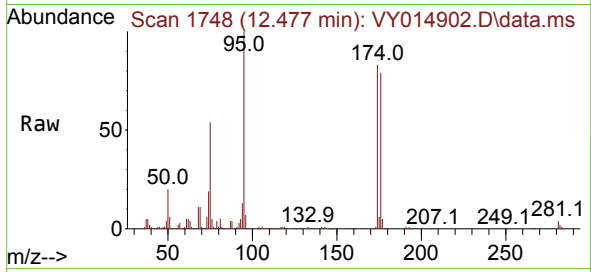
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.510 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014902.D
 Acq: 28 Jul 2023 12:32

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



Tgt Ion: 75 Resp: 52776
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

