

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014677.D
 Acq On : 17 Jul 2023 17:07
 Operator : SY/MD
 Sample : 03631-01
 Misc : 3.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02(2-4)

Quant Time: Jul 18 06:12:01 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)

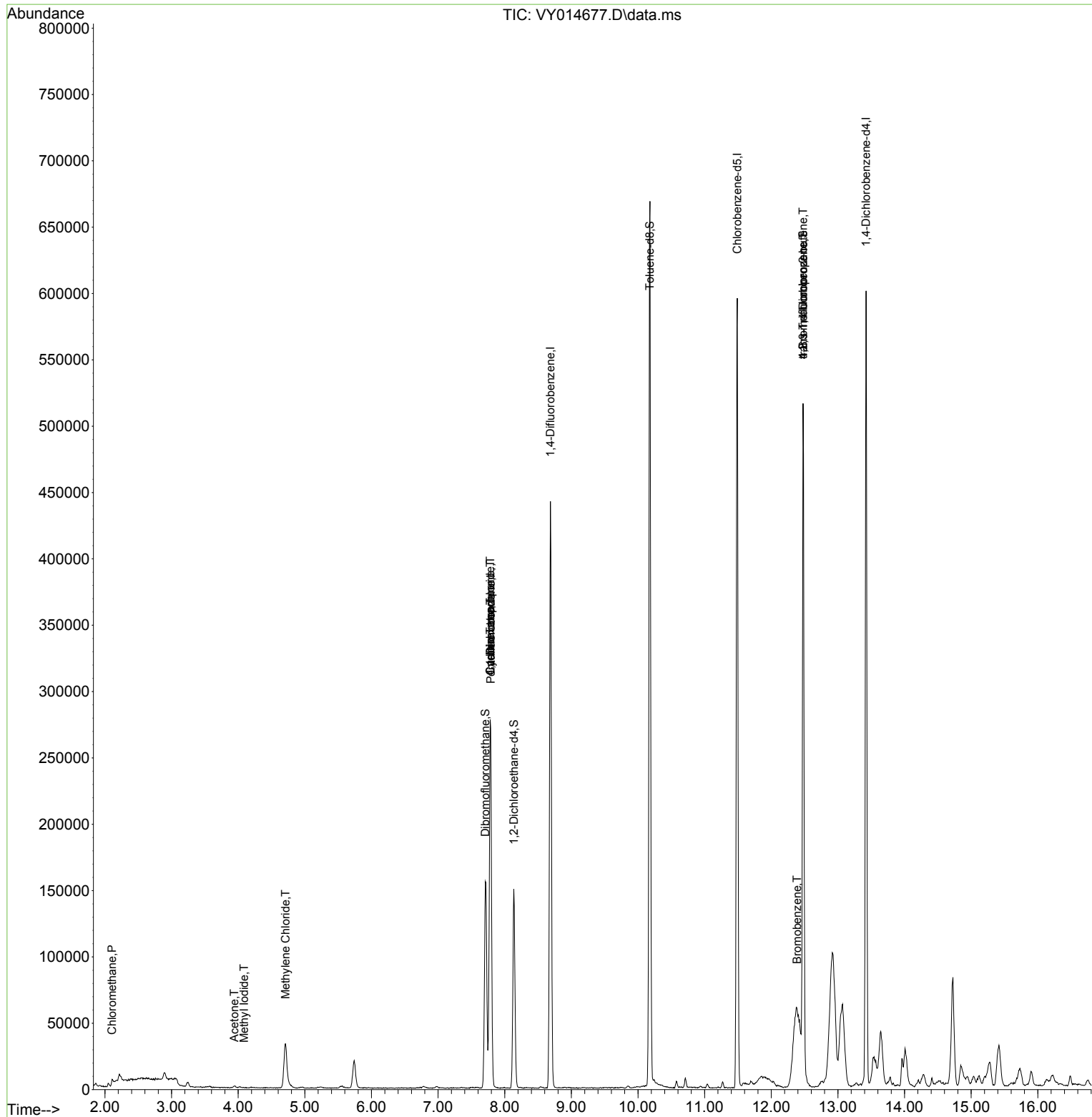
Internal Standards						
1) Pentafluorobenzene	7.789	168	221348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	376974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	332775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	150203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	116417	46.154	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.300%
35) Dibromofluoromethane	7.710	113	114302	47.631	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.260%
50) Toluene-d8	10.179	98	441837	49.940	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.880%
62) 4-Bromofluorobenzene	12.477	95	154043	45.408	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.820%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	2224	1.097	ug/l #	87
10) Methyl Iodide	4.088	142	39	2.385	ug/l #	38
11) Tert butyl alcohol	4.954	59	861	Below Cal	#	97
16) Acetone	3.942	43	2964	3.708	ug/l	99
20) Methylene Chloride	4.710	84	26153	6.389	ug/l	89
31) Cyclohexane	7.783	56	4885	1.167	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16843	4.693	ug/l #	50
38) Carbon Tetrachloride	7.783	117	21728	5.728	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	80501	42.435	ug/l #	100
77) Bromobenzene	12.386	156	101017	37.628	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	80501	82.163	ug/l #	11

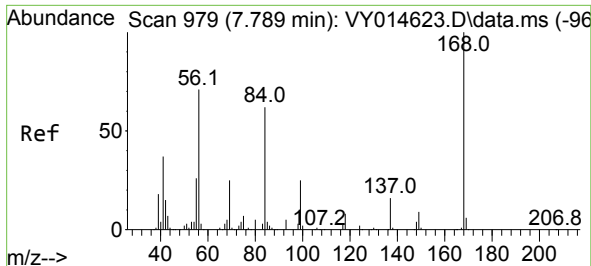
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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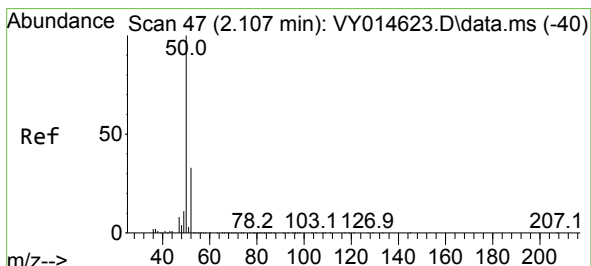
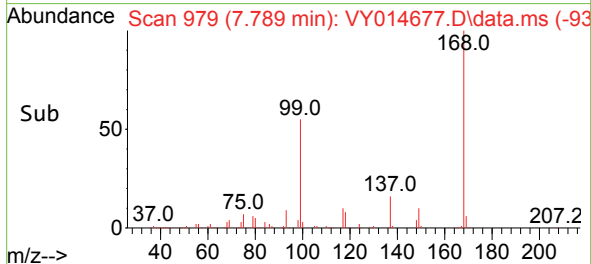
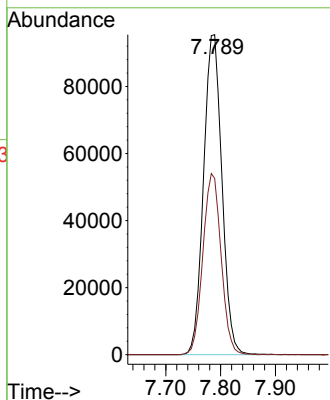
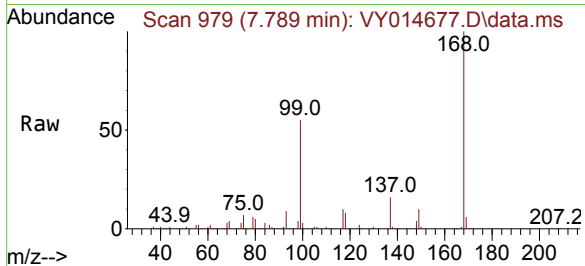




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014677.D
Acq: 17 Jul 2023 17:07

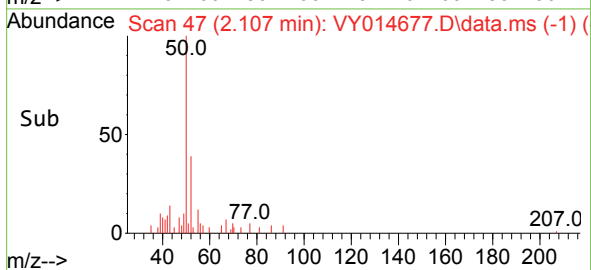
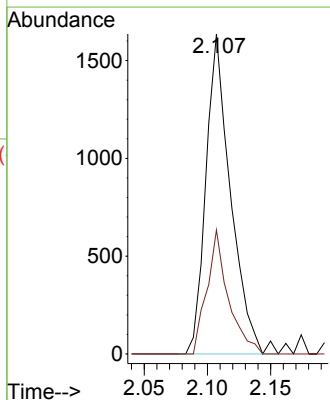
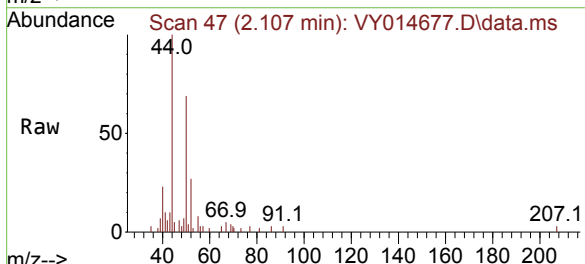
Instrument :
MSVOA_Y
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SB-02(2-4)

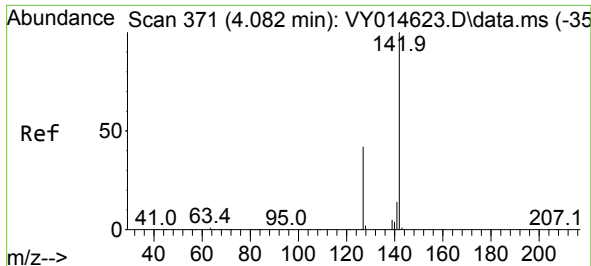
Tgt Ion:168 Resp: 221348
Ion Ratio Lower Upper
168 100
99 55.1 43.4 65.0



#3
Chloromethane
Concen: 1.097 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY014677.D
Acq: 17 Jul 2023 17:07

Tgt Ion: 50 Resp: 2224
Ion Ratio Lower Upper
50 100
52 38.8 25.4 38.2#

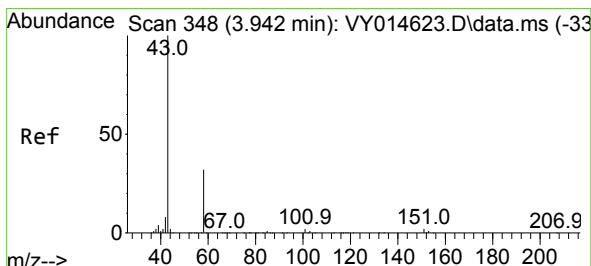
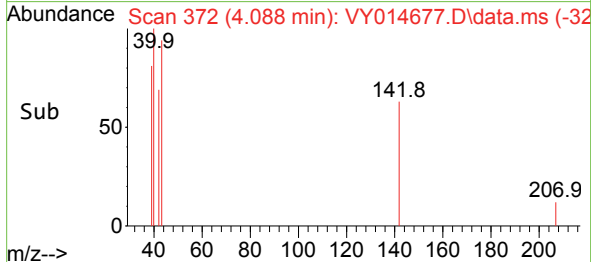
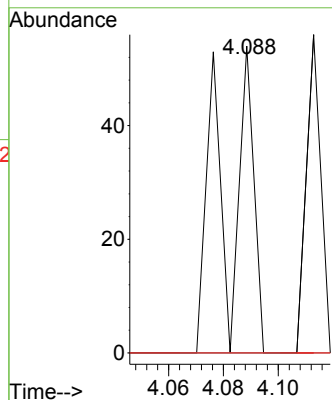
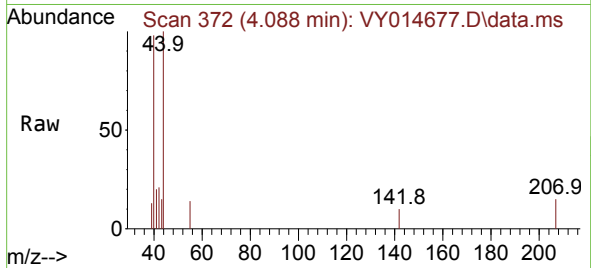




#10
Methyl Iodide
Concen: 2.385 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014677.D
Acq: 17 Jul 2023 17:07

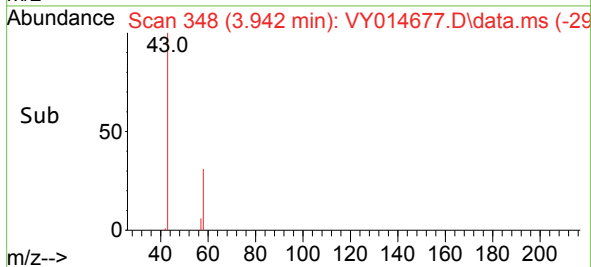
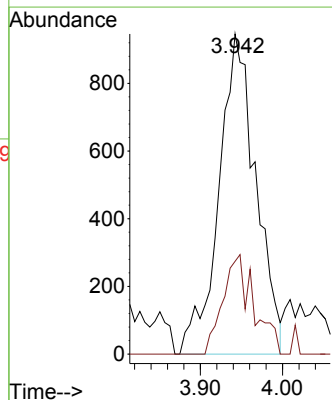
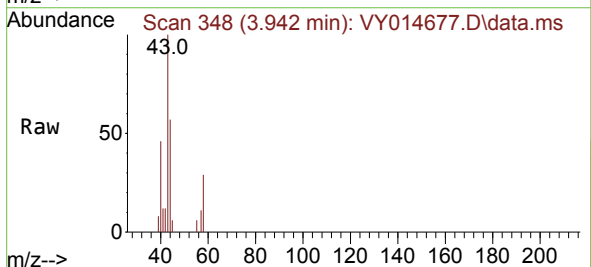
Instrument :
MSVOA_Y
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SB-02(2-4)

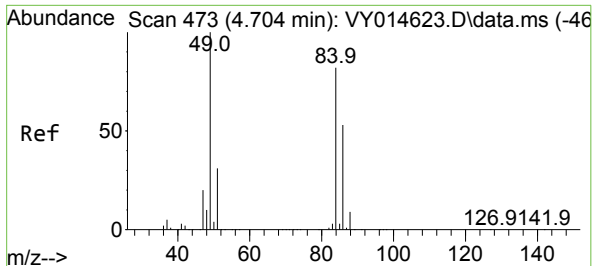
Tgt Ion:142 Resp: 39
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 3.708 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014677.D
Acq: 17 Jul 2023 17:07

Tgt Ion: 43 Resp: 2964
Ion Ratio Lower Upper
43 100
58 29.0 22.7 34.1

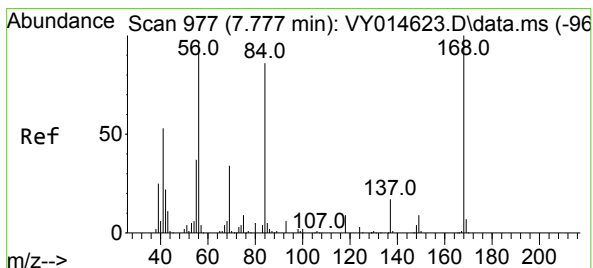
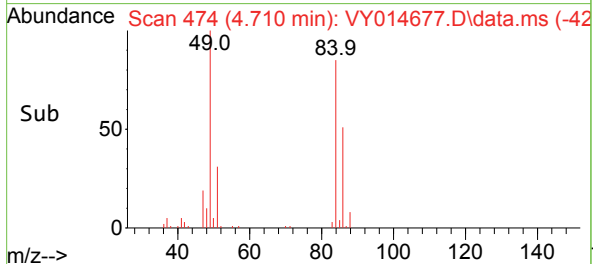
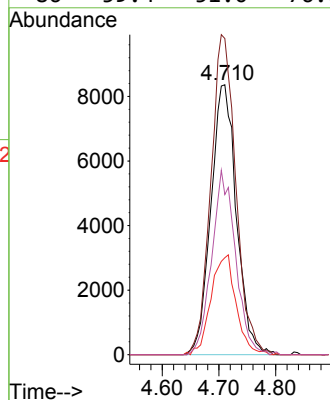
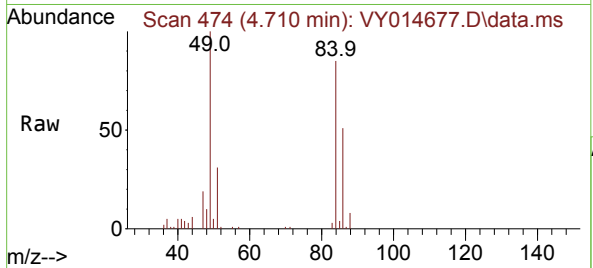




#20
Methylene Chloride
Concen: 6.389 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014677.D
Acq: 17 Jul 2023 17:07

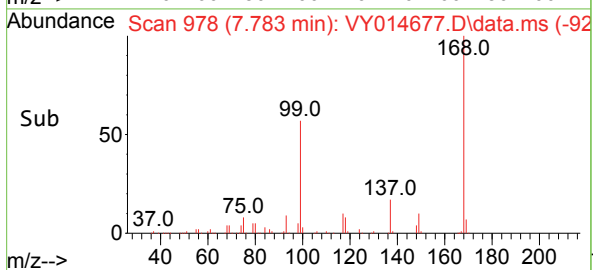
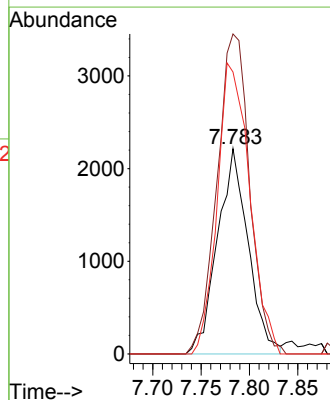
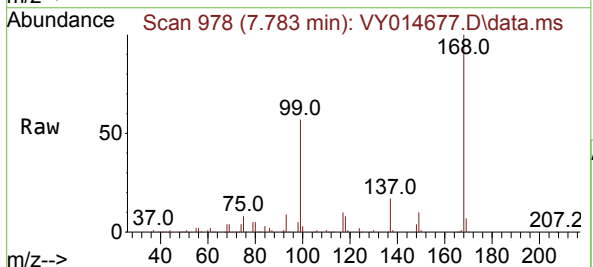
Instrument :
MSVOA_Y
ClientSampleId :
SB-02(2-4)

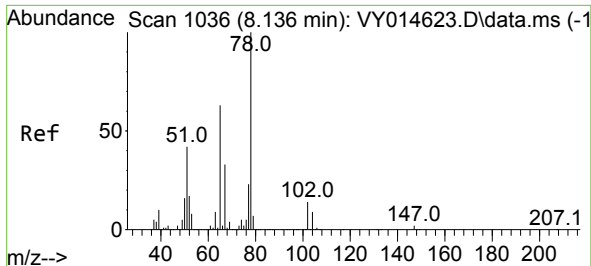
Tgt Ion:	84	Resp:	26153
Ion	Ratio	Lower	Upper
84	100		
49	117.1	106.9	160.3
51	35.9	33.2	49.8
86	59.4	51.0	76.6



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014677.D
Acq: 17 Jul 2023 17:07

Tgt Ion:	56	Resp:	4885
Ion	Ratio	Lower	Upper
56	100		
69	155.9	27.8	41.6#
84	137.3	66.4	99.6#

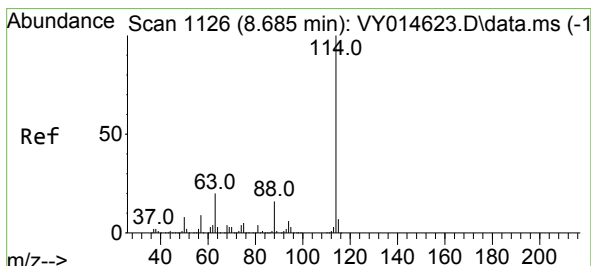
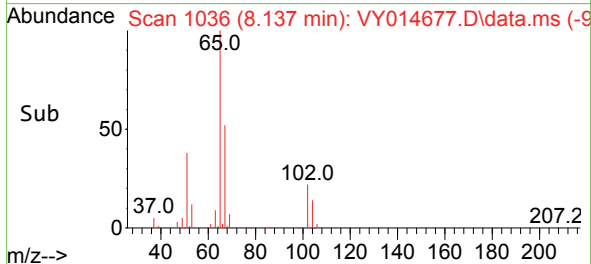
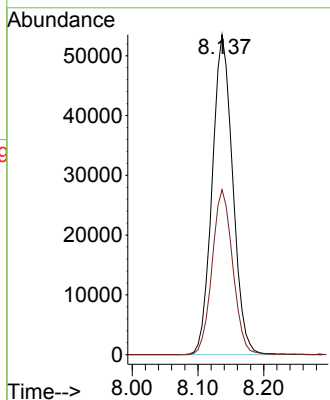
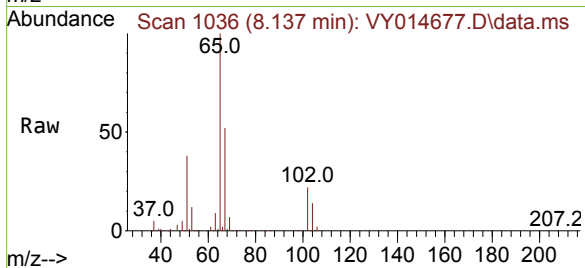




#33
 1,2-Dichloroethane-d4
 Concen: 46.154 ug/l
 RT: 8.137 min Scan# 11036
 Delta R.T. 0.001 min
 Lab File: VY014677.D
 Acq: 17 Jul 2023 17:07

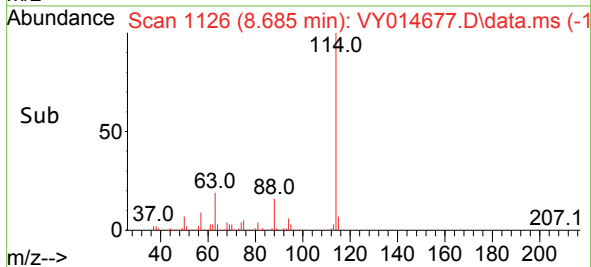
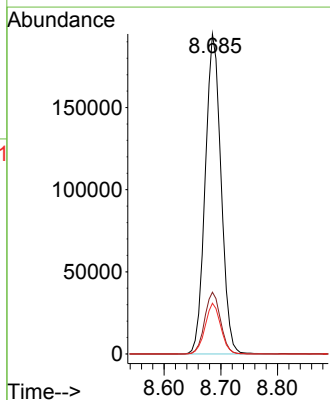
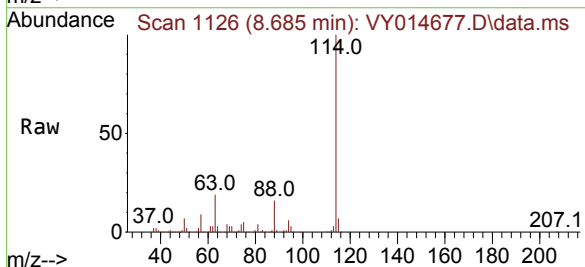
Instrument :
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 ClientSampleId :
 SB-02(2-4)

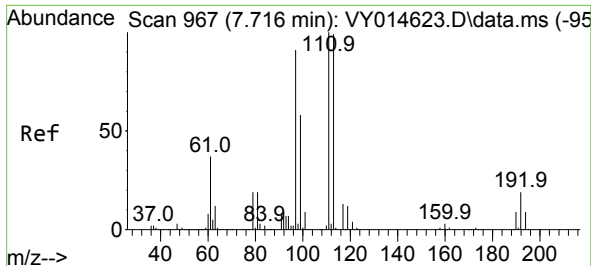
Tgt Ion: 65 Resp: 116417
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014677.D
 Acq: 17 Jul 2023 17:07

Tgt Ion:114 Resp: 376974
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.4
 88 15.8 0.0 30.6

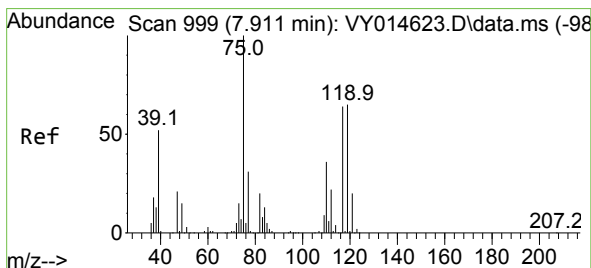
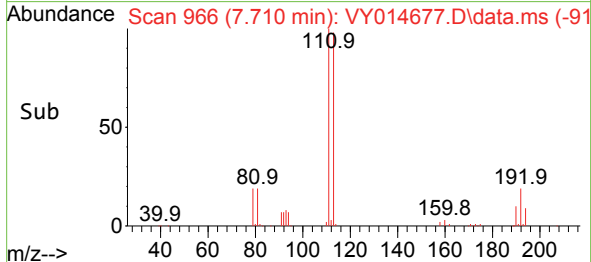
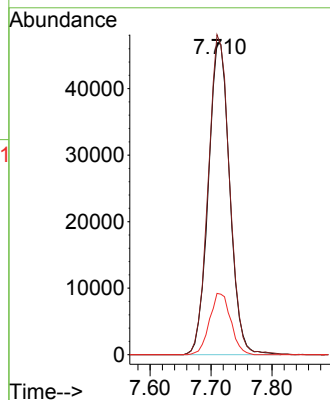
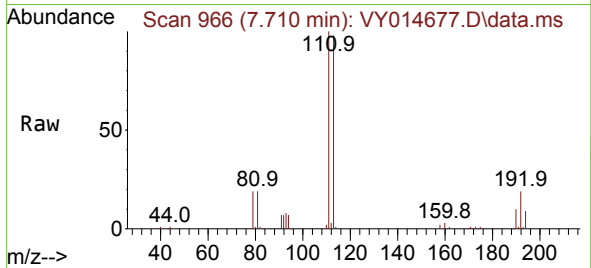




#35
Dibromofluoromethane
Concen: 47.631 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014677.D
Acq: 17 Jul 2023 17:07

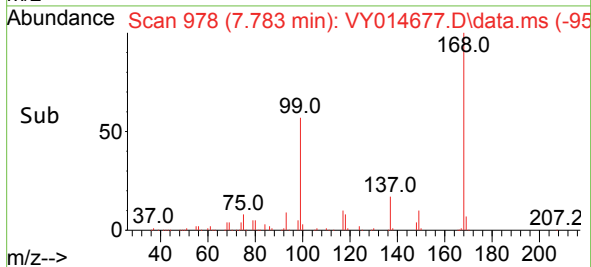
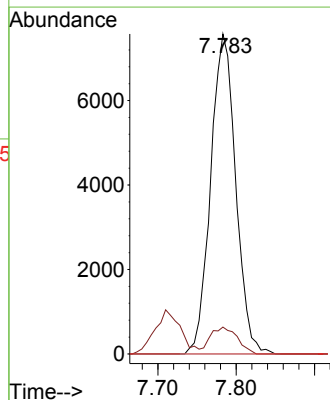
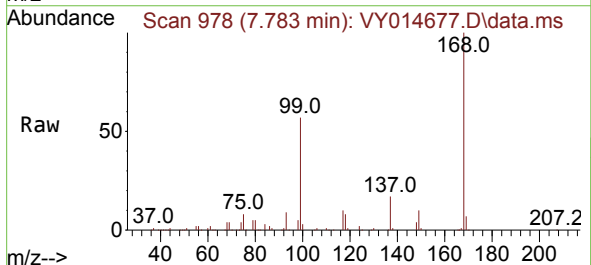
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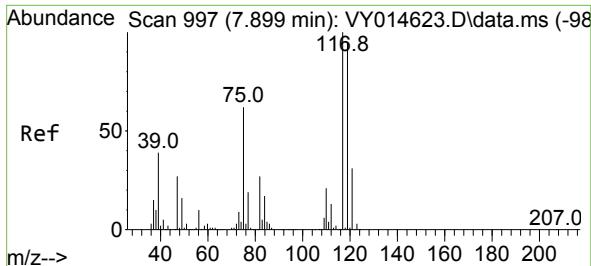
Tgt Ion:113 Resp: 114302
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.693 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014677.D
Acq: 17 Jul 2023 17:07

Tgt Ion: 75 Resp: 16843
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.5#
77 0.0 24.4 36.6#

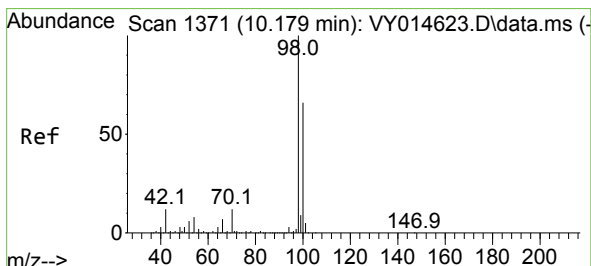
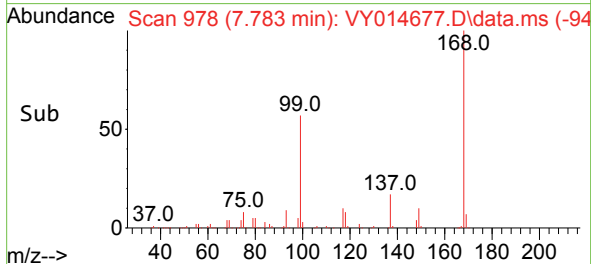
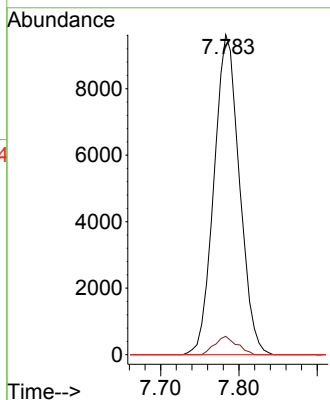
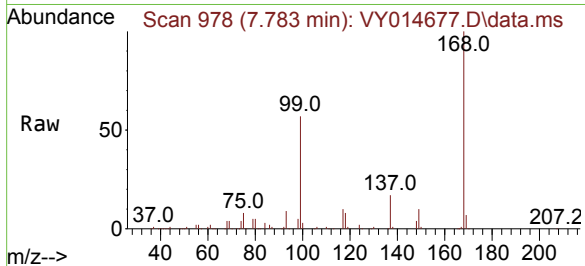




#38
Carbon Tetrachloride
Concen: 5.728 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014677.D
Acq: 17 Jul 2023 17:07

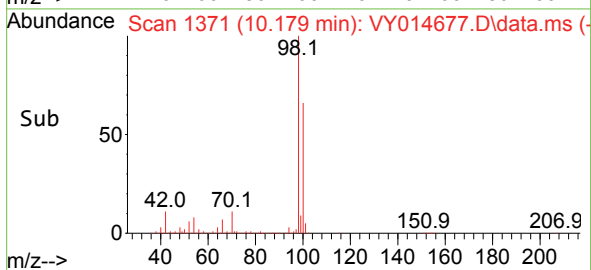
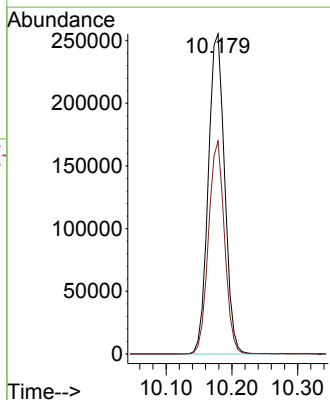
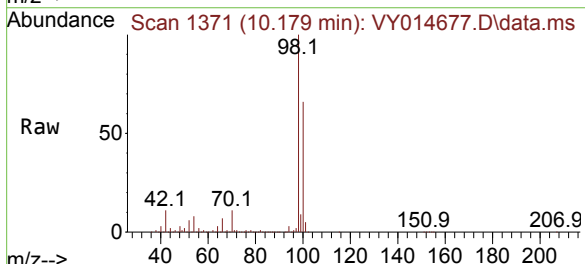
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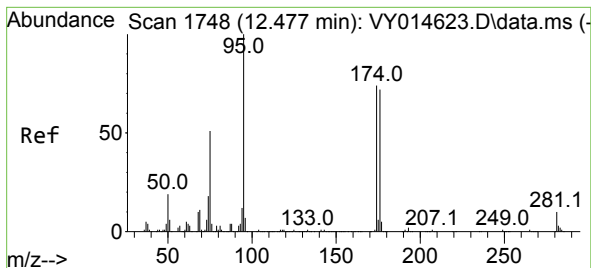
Tgt Ion:117 Resp: 21728
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.940 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014677.D
Acq: 17 Jul 2023 17:07

Tgt Ion: 98 Resp: 441837
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

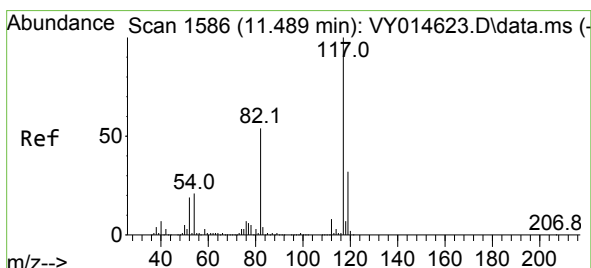
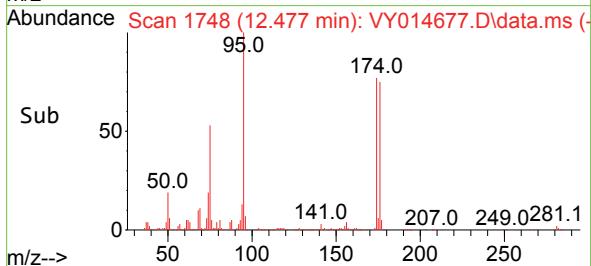
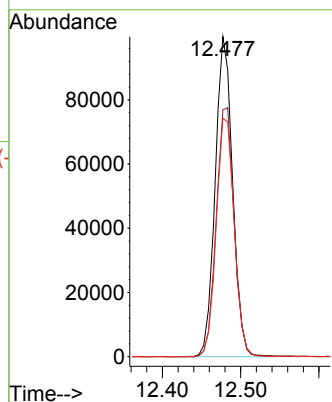
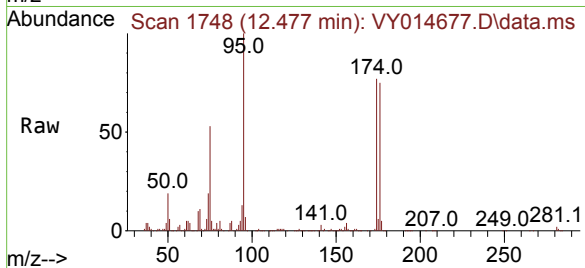




#62
4-Bromofluorobenzene
Concen: 45.408 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014677.D
Acq: 17 Jul 2023 17:07

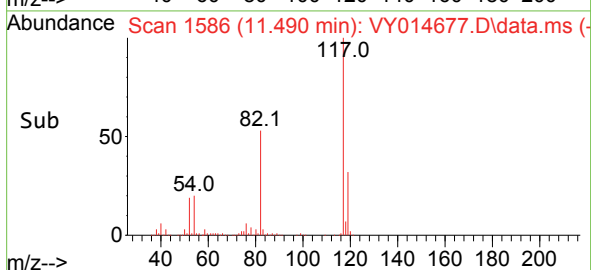
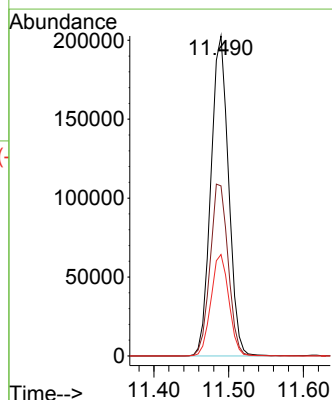
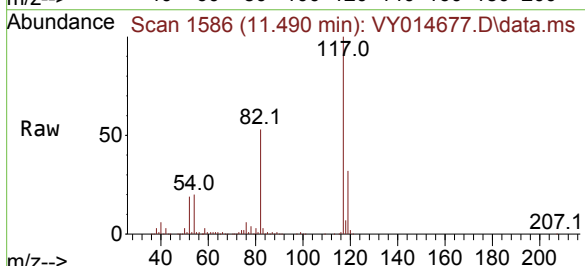
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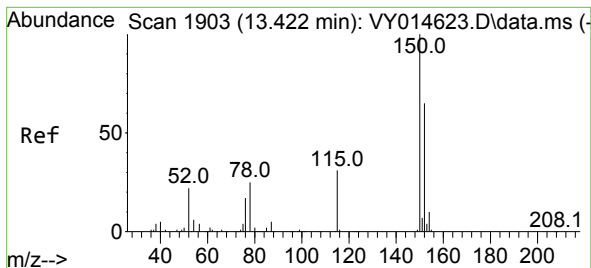
Tgt Ion: 95 Resp: 154043
Ion Ratio Lower Upper
95 100
174 80.4 0.0 178.2
176 77.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014677.D
Acq: 17 Jul 2023 17:07

Tgt Ion: 117 Resp: 332775
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 31.7 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: VY014677.D

Acq: 17 Jul 2023 17:07

Instrument :

MSVOA_Y

ClientSampleId :

SB-02(2-4)

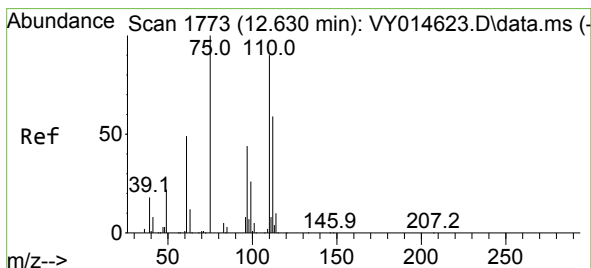
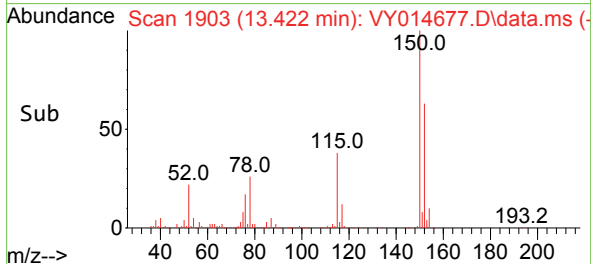
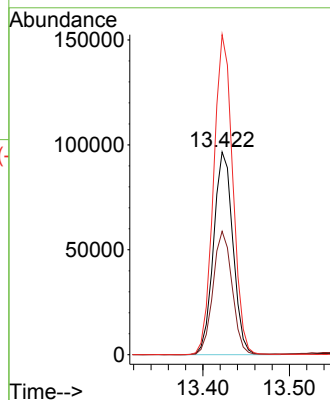
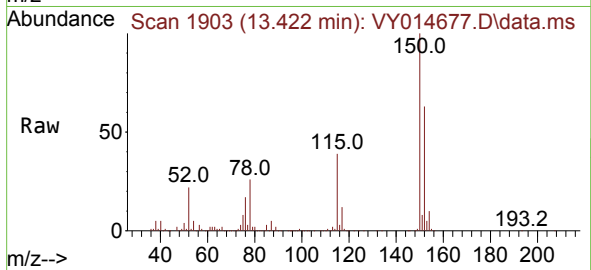
Tgt Ion:152 Resp: 150203

Ion Ratio Lower Upper

152 100

115 60.1 28.8 86.5

150 156.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 42.435 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014677.D

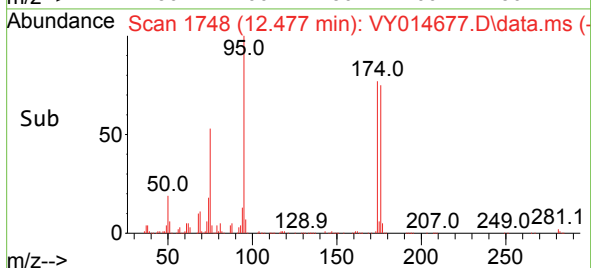
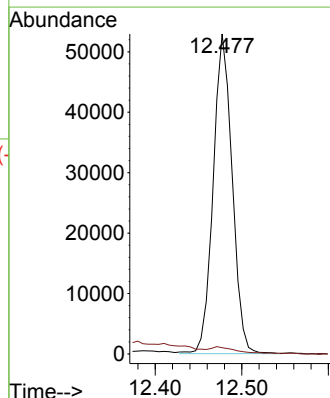
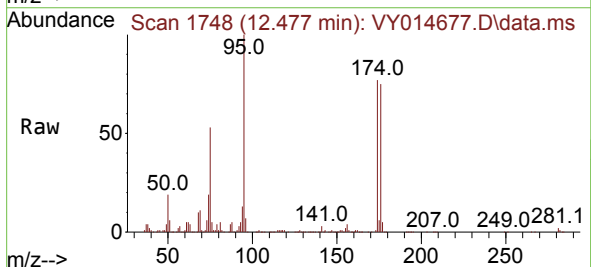
Acq: 17 Jul 2023 17:07

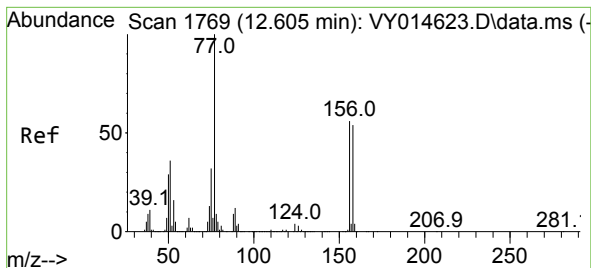
Tgt Ion: 75 Resp: 80501

Ion Ratio Lower Upper

75 100

77 2.6 0.0 0.0#





#77

Bromobenzene

Concen: 37.628 ug/l

RT: 12.386 min Scan# 1748

Delta R.T. -0.219 min

Lab File: VY014677.D

Acq: 17 Jul 2023 17:07

Instrument :

MSVOA_Y

ClientSampleId :

SB-02(2-4)

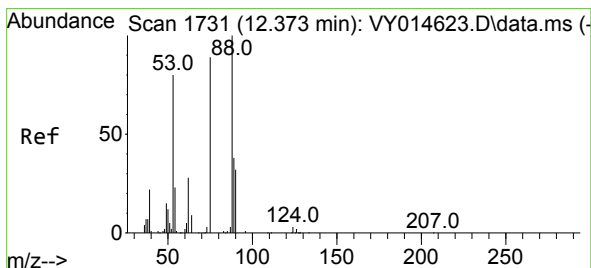
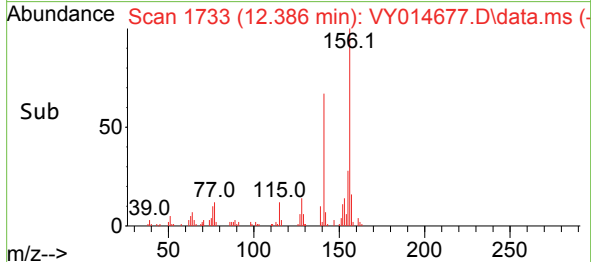
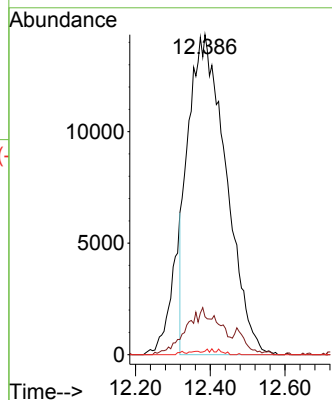
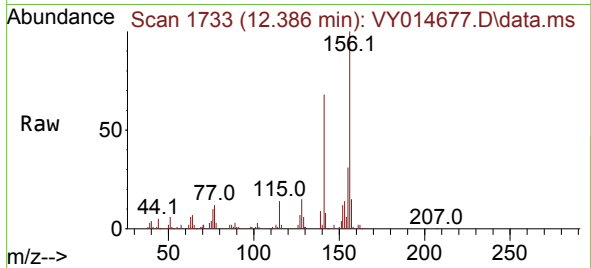
Tgt Ion:156 Resp: 101017

Ion Ratio Lower Upper

156 100

77 4.3 92.8 278.6#

158 0.2 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.163 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY014677.D

Acq: 17 Jul 2023 17:07

Tgt Ion: 75 Resp: 80501

Ion Ratio Lower Upper

75 100

53 0.1 77.8 116.8#

89 0.0 37.4 56.0#

