

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061324\
 Data File : VY018582.D
 Acq On : 13 Jun 2024 18:22
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 14 07:13:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

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

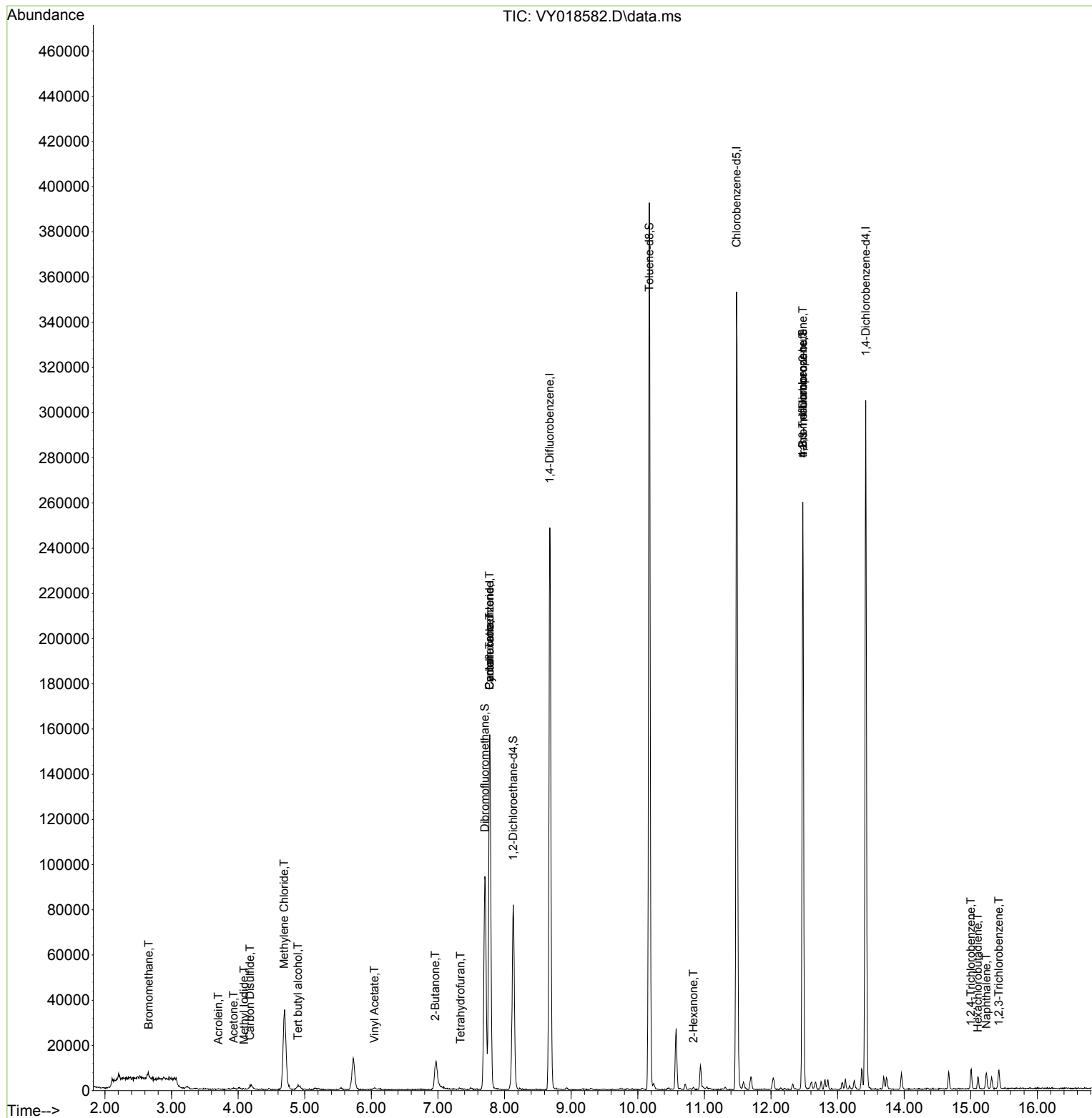
Internal Standards						
1) Pentafluorobenzene	7.777	168	122834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	224702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	196141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	75520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	60677	49.064	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.120%
35) Dibromofluoromethane	7.704	113	68498	49.972	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.940%
50) Toluene-d8	10.173	98	255860	48.538	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.080%
62) 4-Bromofluorobenzene	12.477	95	75549	45.387	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.780%
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	1642	1.071	ug/l	95
10) Methyl Iodide	4.088	142	621	1.130	ug/l #	66
11) Tert butyl alcohol	4.899	59	1219	5.480	ug/l #	88
13) Acrolein	3.704	56	163	2.279	ug/l #	15
16) Acetone	3.930	43	1099	4.368	ug/l #	85
17) Carbon Disulfide	4.180	76	1041	2.500	ug/l #	76
20) Methylene Chloride	4.692	84	27341	10.566	ug/l	99
23) Vinyl Acetate	6.045	43	1943	24.175	ug/l #	85
25) 2-Butanone	6.960	43	406	1.077	ug/l #	41
29) Tetrahydrofuran	7.338	42	314	1.357	ug/l #	30
31) Cyclohexane	7.777	56	2844	1.501	ug/l #	17
38) Carbon Tetrachloride	7.777	117	12159	6.143	ug/l #	19
59) 2-Hexanone	10.837	43	714	1.166	ug/l	87
76) 1,2,3-Trichloropropane	12.477	75	41909	59.159	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	41909	154.960	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.001	180	2820	2.303	ug/l	95
94) Hexachlorobutadiene	15.105	225	988	1.571	ug/l	92
95) Naphthalene	15.233	128	5935	2.594	ug/l	96
96) 1,2,3-Trichlorobenzene	15.422	180	2515	2.431	ug/l	94

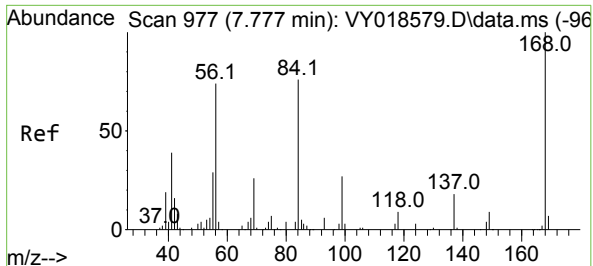
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 14 07:08:24 2024
Response via : Initial Calibration

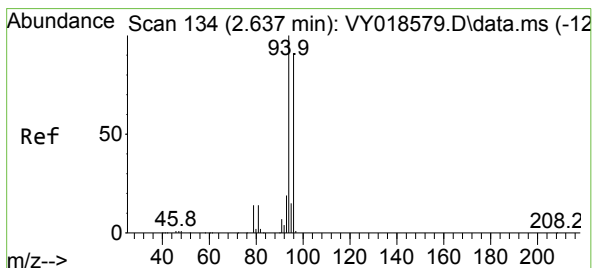
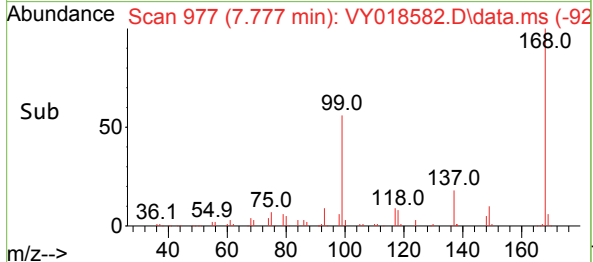
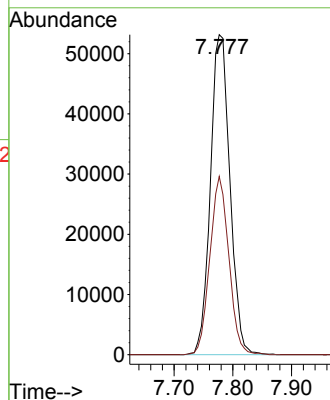
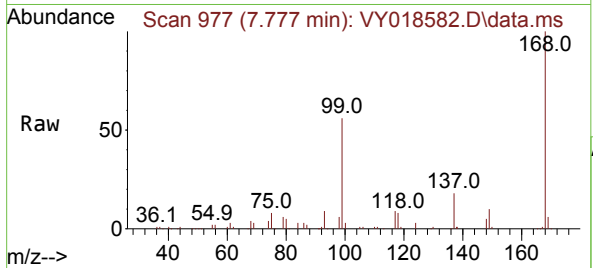




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018582.D
Acq: 13 Jun 2024 18:22

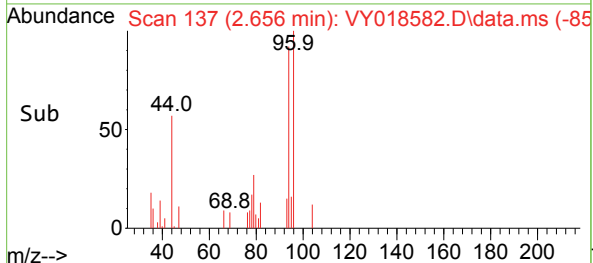
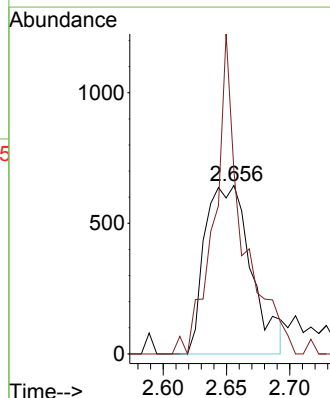
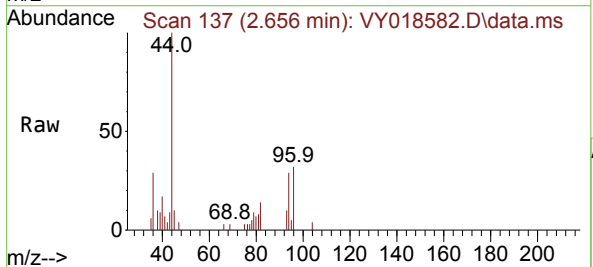
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

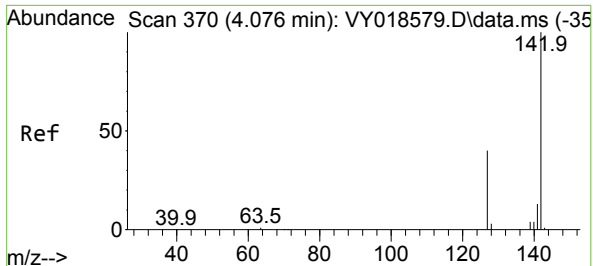
Tgt Ion:168 Resp: 122834
Ion Ratio Lower Upper
168 100
99 55.7 39.1 58.7



#5
Bromomethane
Concen: 1.071 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.018 min
Lab File: VY018582.D
Acq: 13 Jun 2024 18:22

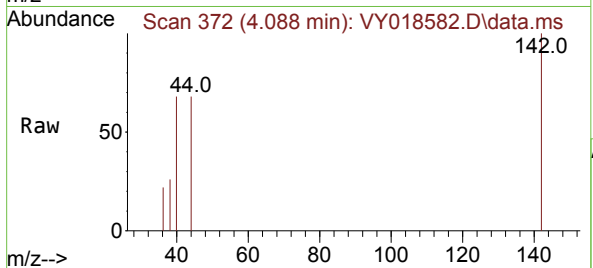
Tgt Ion: 94 Resp: 1642
Ion Ratio Lower Upper
94 100
96 97.8 74.1 111.1



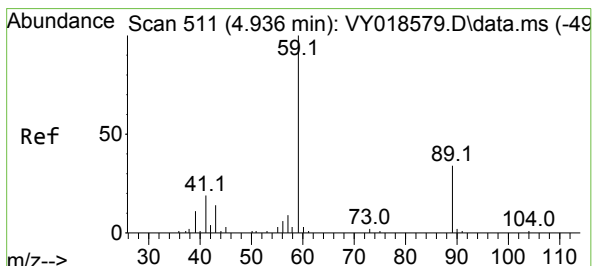
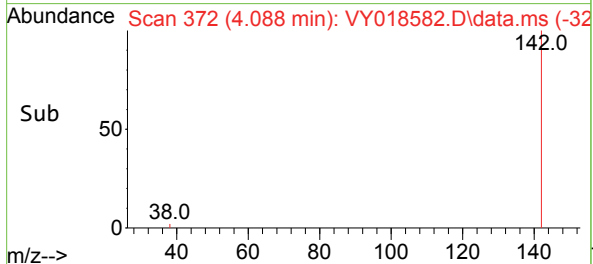
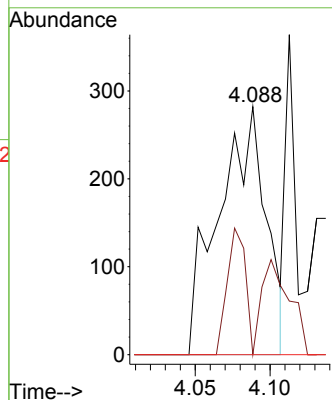


#10
Methyl Iodide
Concen: 1.130 ug/l
RT: 4.088 min Scan# 310
Delta R.T. 0.012 min
Lab File: VY018582.D
Acq: 13 Jun 2024 18:22

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

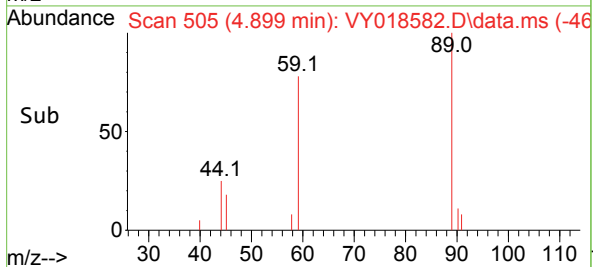
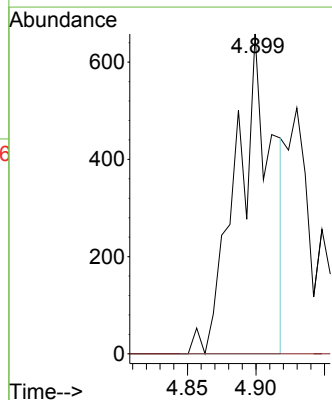
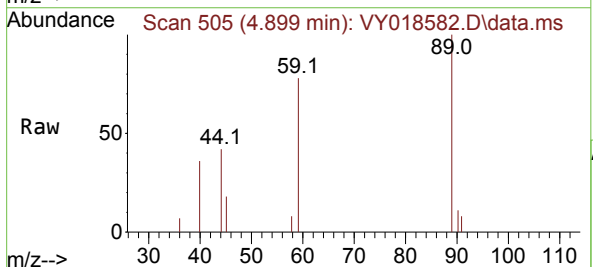


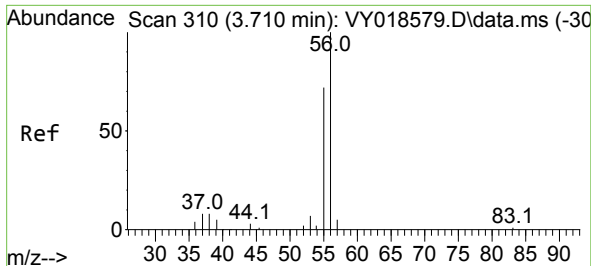
Tgt Ion:142 Resp: 621
Ion Ratio Lower Upper
142 100
127 19.6 32.8 49.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 5.480 ug/l
RT: 4.899 min Scan# 505
Delta R.T. -0.037 min
Lab File: VY018582.D
Acq: 13 Jun 2024 18:22

Tgt Ion: 59 Resp: 1219
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

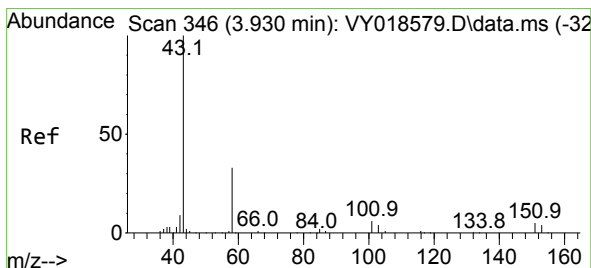
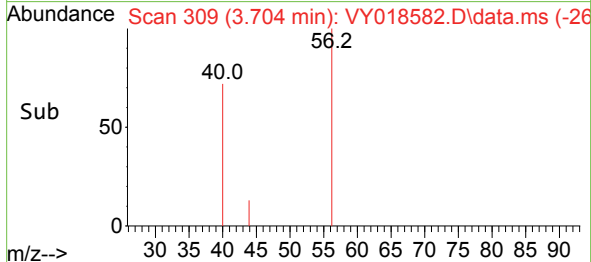
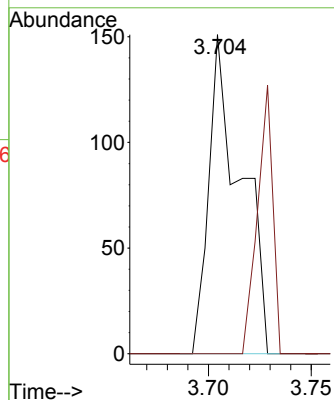
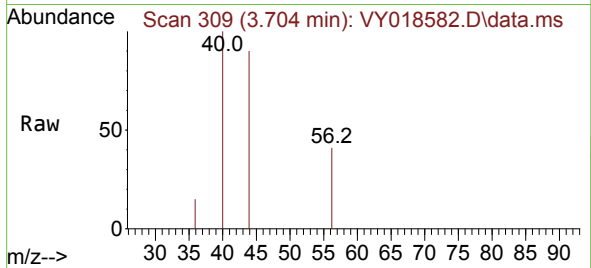




#13
Acrolein
Concen: 2.279 ug/l
RT: 3.704 min Scan# 309
Delta R.T. -0.006 min
Lab File: VY018582.D
Acq: 13 Jun 2024 18:22

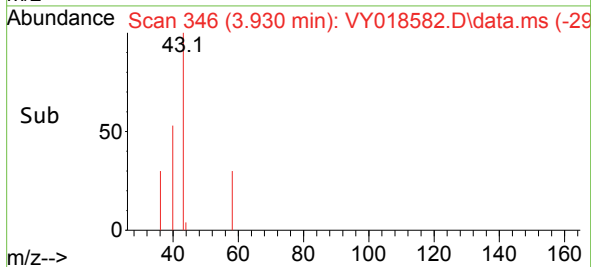
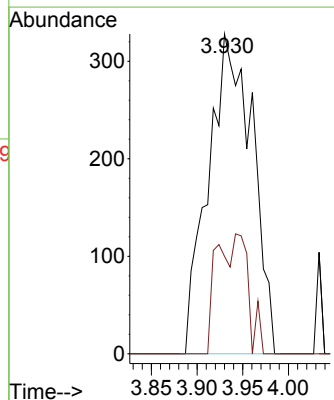
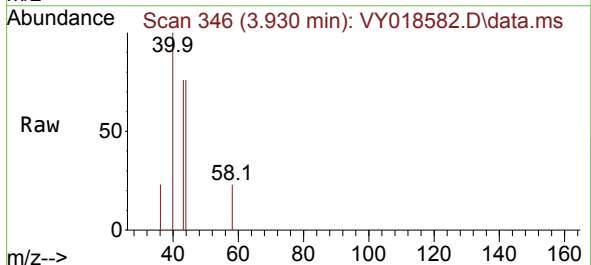
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

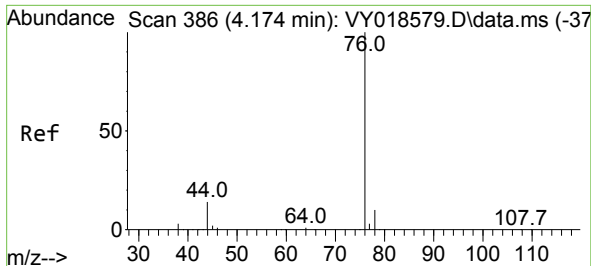
Tgt Ion: 56 Resp: 163
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 4.368 ug/l
RT: 3.930 min Scan# 346
Delta R.T. 0.000 min
Lab File: VY018582.D
Acq: 13 Jun 2024 18:22

Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
58 30.5 31.7 47.5#

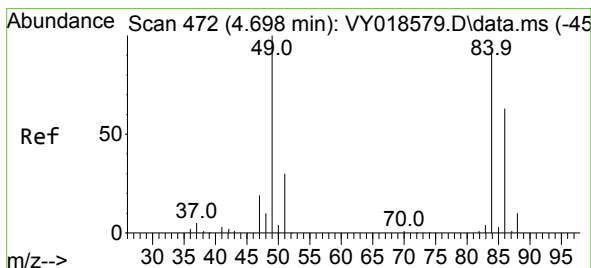
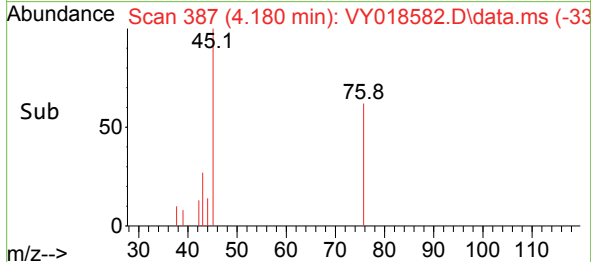
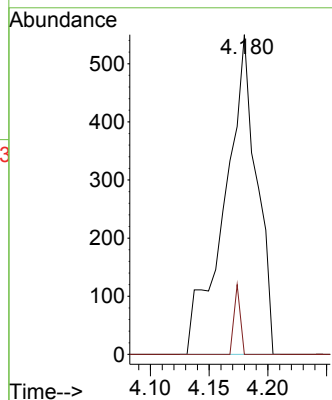
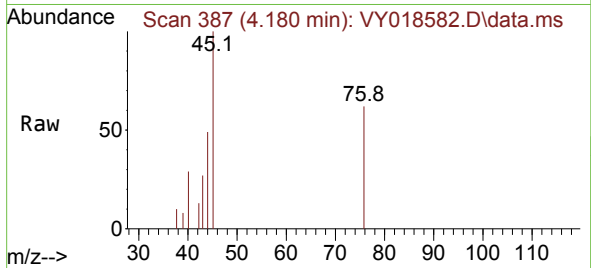




#17
Carbon Disulfide
Concen: 2.500 ug/l
RT: 4.180 min Scan# 386
Delta R.T. 0.006 min
Lab File: VY018582.D
Acq: 13 Jun 2024 18:22

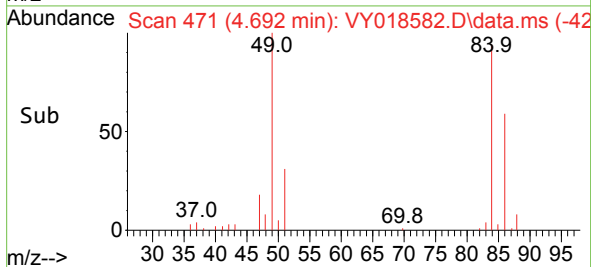
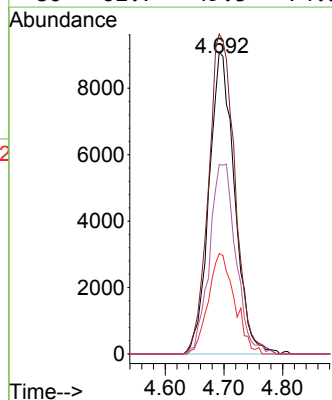
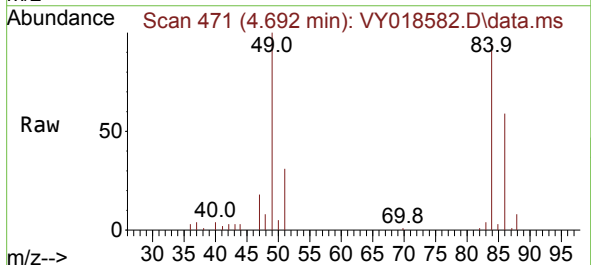
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

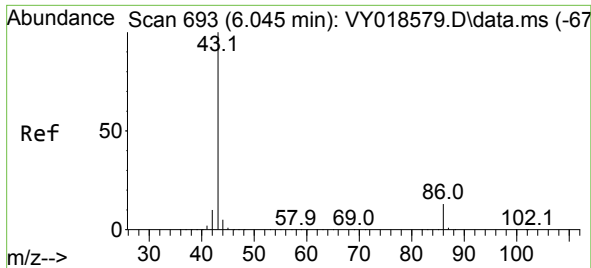
Tgt Ion: 76 Resp: 1041
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 10.566 ug/l
RT: 4.692 min Scan# 471
Delta R.T. -0.006 min
Lab File: VY018582.D
Acq: 13 Jun 2024 18:22

Tgt Ion: 84 Resp: 27341
Ion Ratio Lower Upper
84 100
49 105.9 84.4 126.6
51 33.2 26.0 39.0
86 62.7 49.5 74.3

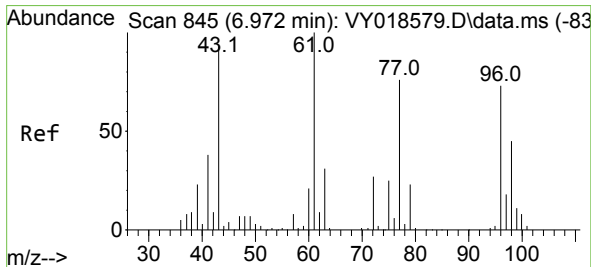
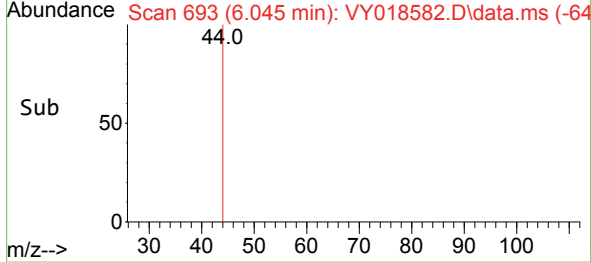
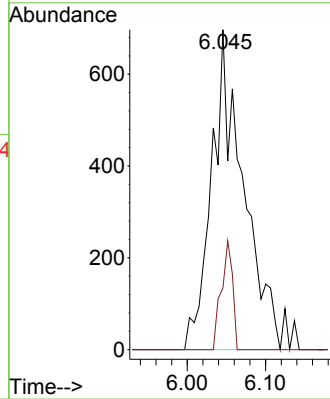
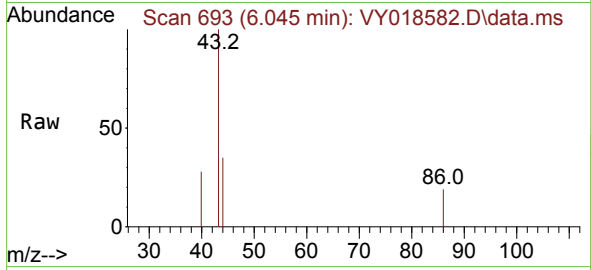




#23
 Vinyl Acetate
 Concen: 24.175 ug/l
 RT: 6.045 min Scan# 693
 Delta R.T. 0.000 min
 Lab File: VY018582.D
 Acq: 13 Jun 2024 18:22

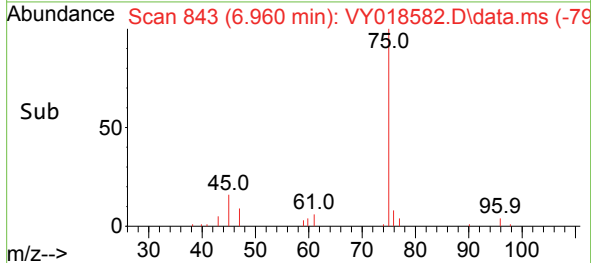
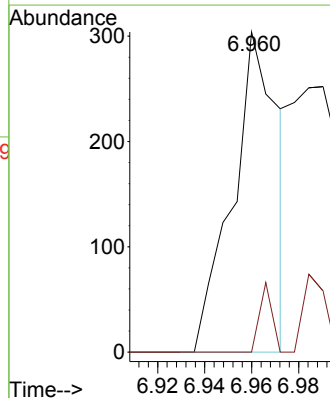
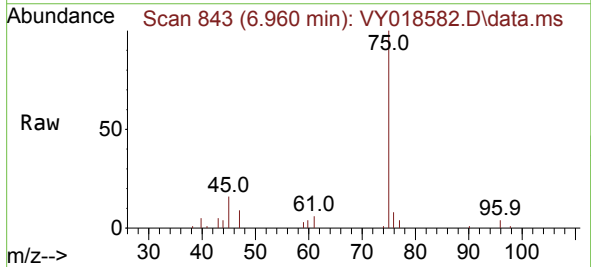
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

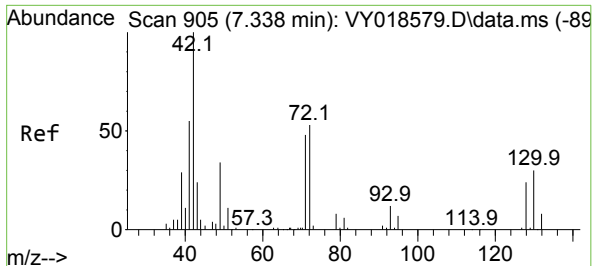
Tgt Ion: 43 Resp: 1943
 Ion Ratio Lower Upper
 43 100
 86 19.2 10.6 16.0#



#25
 2-Butanone
 Concen: 1.077 ug/l
 RT: 6.960 min Scan# 843
 Delta R.T. -0.012 min
 Lab File: VY018582.D
 Acq: 13 Jun 2024 18:22

Tgt Ion: 43 Resp: 406
 Ion Ratio Lower Upper
 43 100
 72 0.0 27.3 40.9#





#29

Tetrahydrofuran

Concen: 1.357 ug/l

RT: 7.338 min Scan# 905

Delta R.T. 0.000 min

Lab File: VY018582.D

Acq: 13 Jun 2024 18:22

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

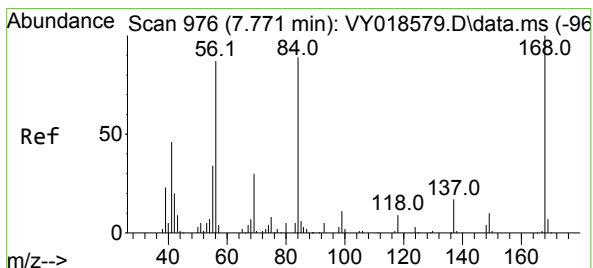
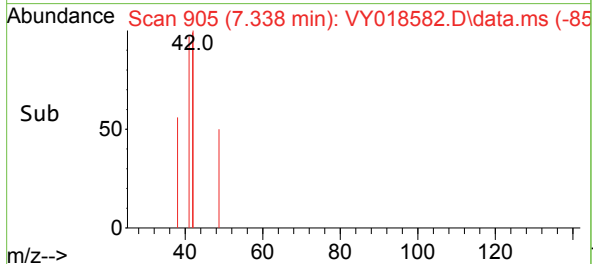
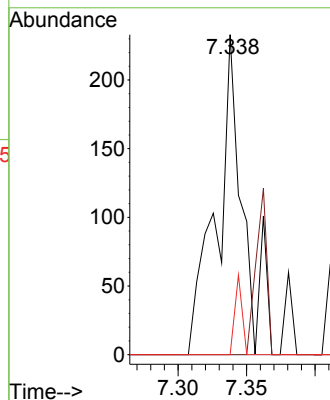
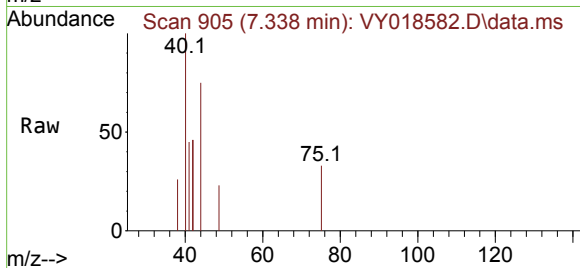
Tgt Ion: 42 Resp: 314

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 6.7 40.8 61.2#



#31

Cyclohexane

Concen: 1.501 ug/l

RT: 7.777 min Scan# 977

Delta R.T. 0.006 min

Lab File: VY018582.D

Acq: 13 Jun 2024 18:22

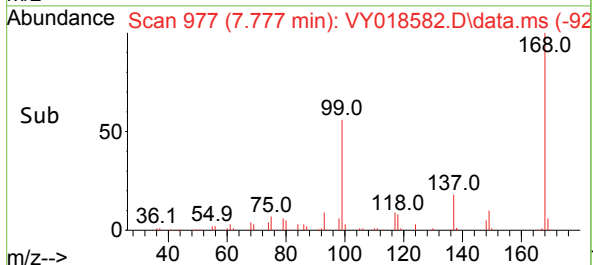
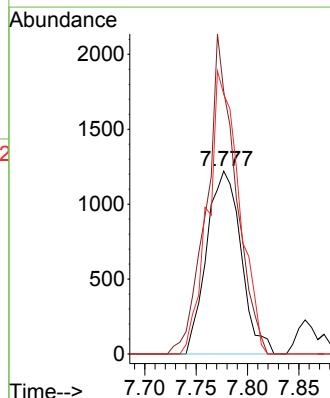
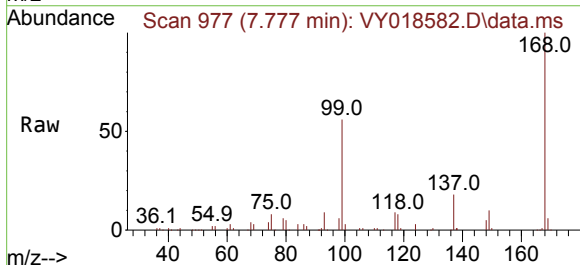
Tgt Ion: 56 Resp: 2844

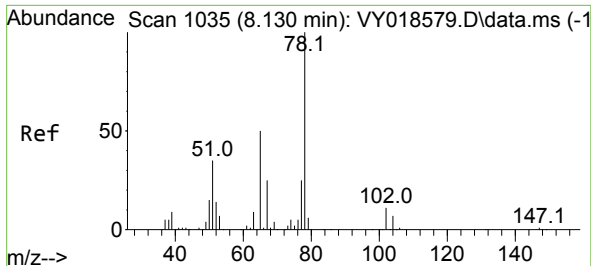
Ion Ratio Lower Upper

56 100

69 143.5 28.7 43.1#

84 141.9 77.7 116.5#

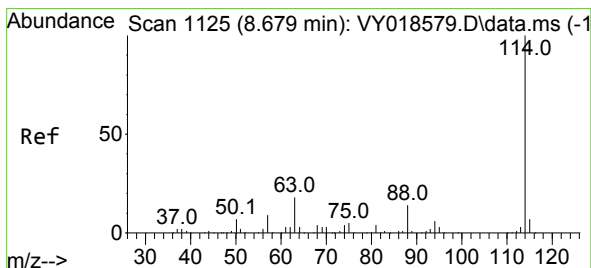
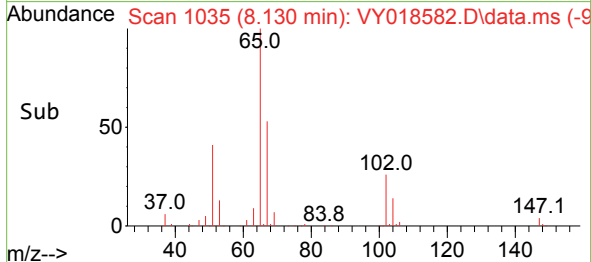
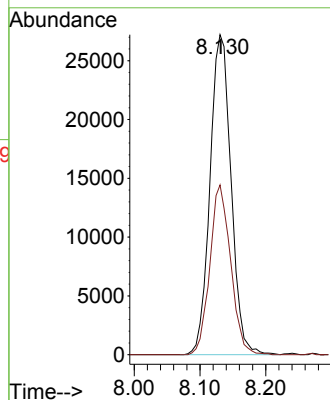
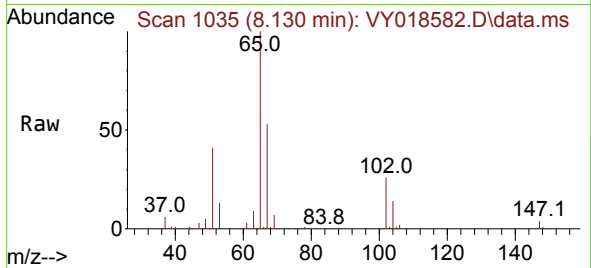




#33
 1,2-Dichloroethane-d4
 Concen: 49.064 ug/l
 RT: 8.130 min Scan# 1035
 Delta R.T. 0.000 min
 Lab File: VY018582.D
 Acq: 13 Jun 2024 18:22

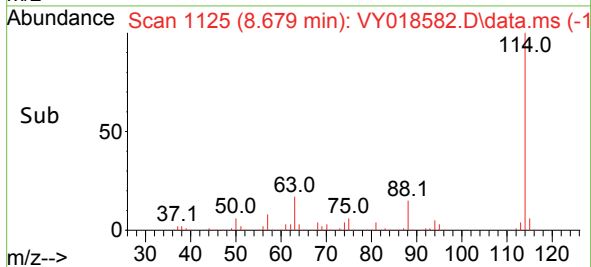
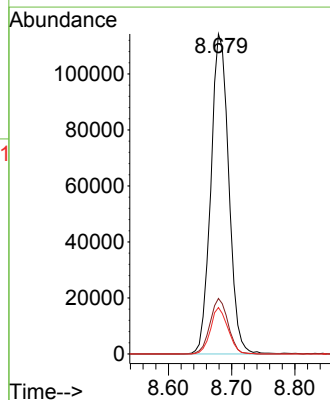
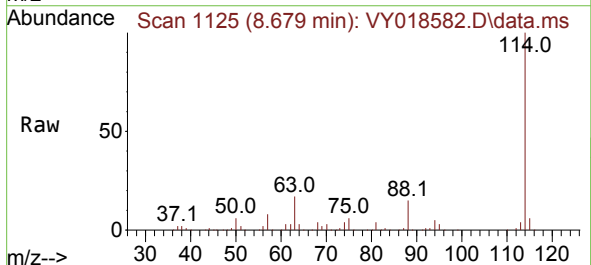
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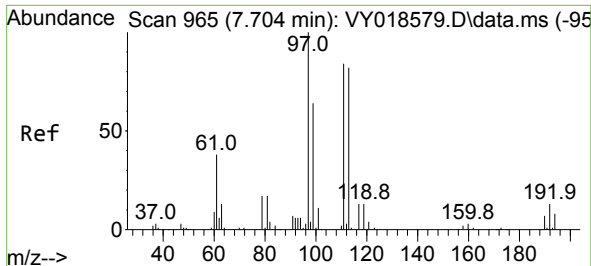
Tgt Ion: 65 Resp: 60677
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.679 min Scan# 1125
 Delta R.T. 0.000 min
 Lab File: VY018582.D
 Acq: 13 Jun 2024 18:22

Tgt Ion:114 Resp: 224702
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 35.0
 88 14.5 0.0 27.2

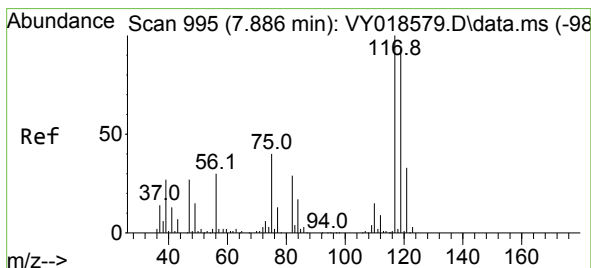
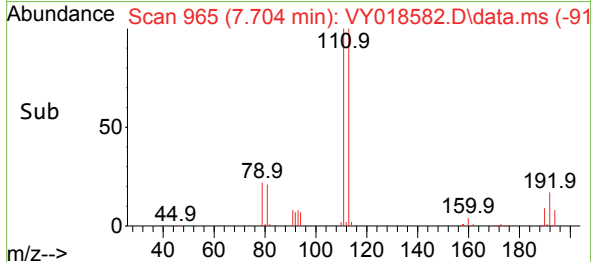
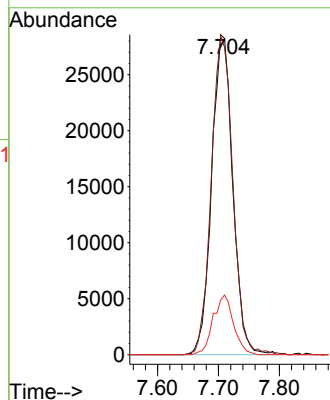
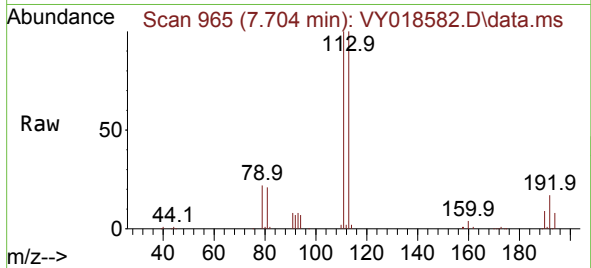




#35
Dibromofluoromethane
Concen: 49.972 ug/l
RT: 7.704 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY018582.D
Acq: 13 Jun 2024 18:22

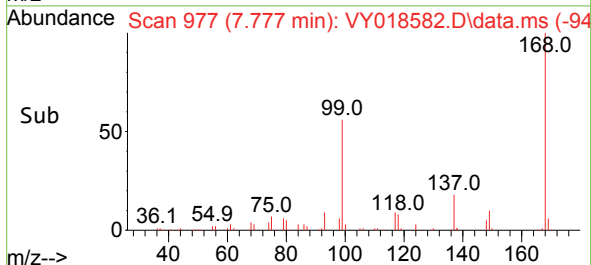
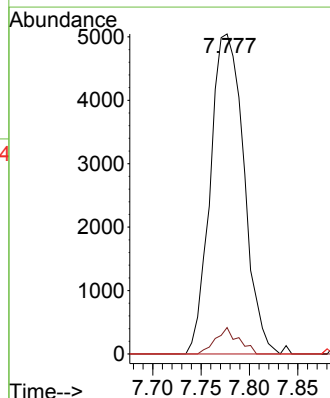
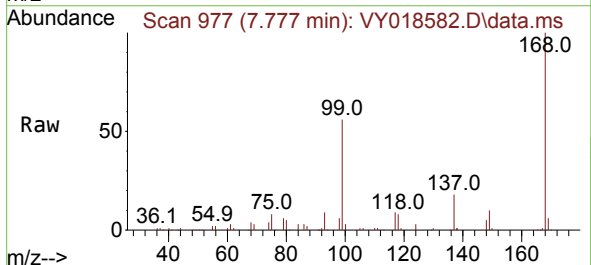
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

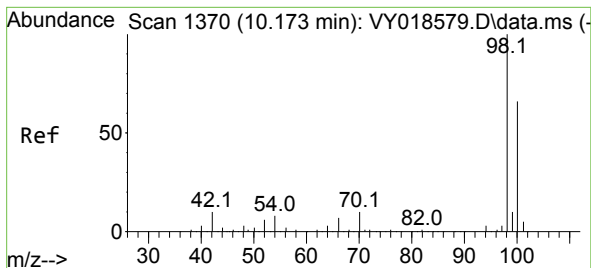
Tgt Ion:113 Resp: 68498
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 18.1 15.9 23.9



#38
Carbon Tetrachloride
Concen: 6.143 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.110 min
Lab File: VY018582.D
Acq: 13 Jun 2024 18:22

Tgt Ion:117 Resp: 12159
Ion Ratio Lower Upper
117 100
119 8.3 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 48.538 ug/l

RT: 10.173 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018582.D

Acq: 13 Jun 2024 18:22

Instrument :

MSVOA_Y

ClientSampleId :

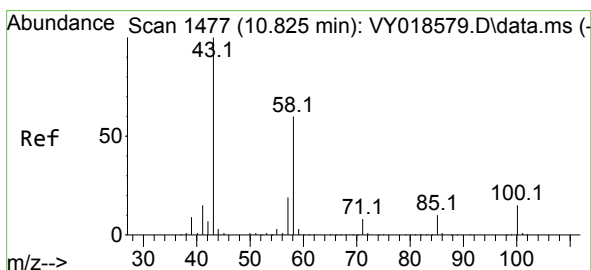
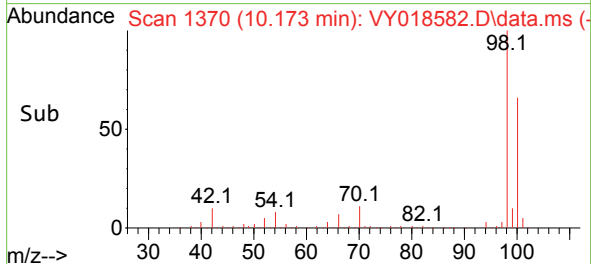
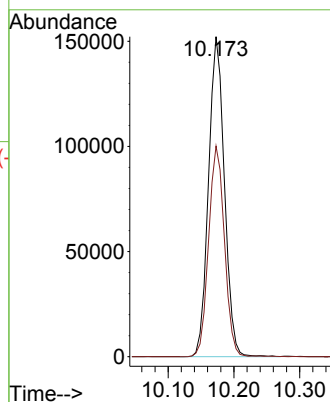
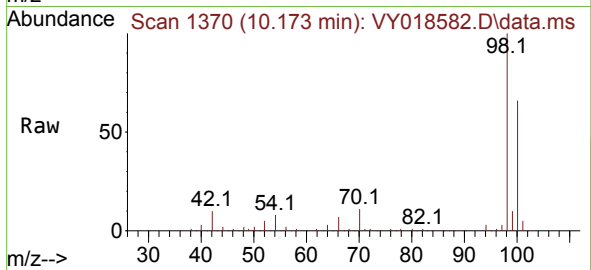
VIBLK

Tgt Ion: 98 Resp: 255860

Ion Ratio Lower Upper

98 100

100 65.4 52.0 78.0



#59

2-Hexanone

Concen: 1.166 ug/l

RT: 10.837 min Scan# 1479

Delta R.T. 0.012 min

Lab File: VY018582.D

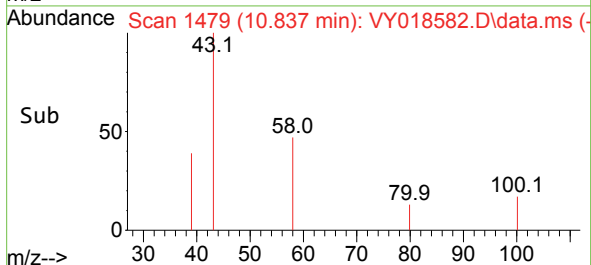
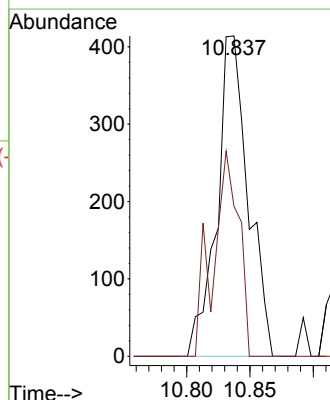
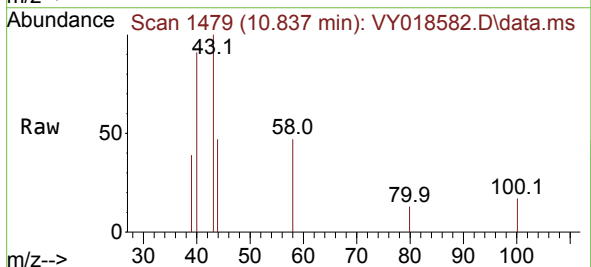
Acq: 13 Jun 2024 18:22

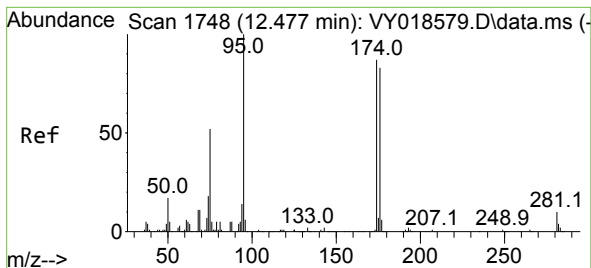
Tgt Ion: 43 Resp: 714

Ion Ratio Lower Upper

43 100

58 52.7 31.4 94.0

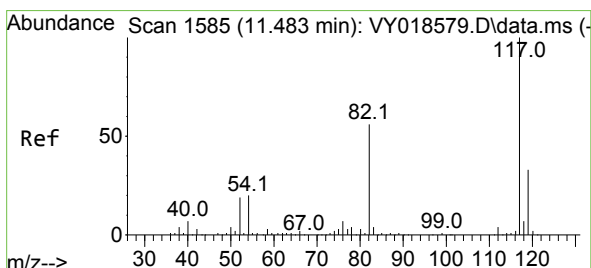
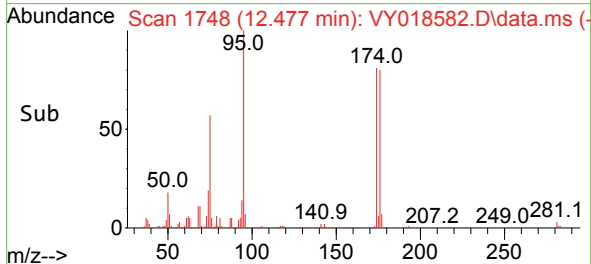
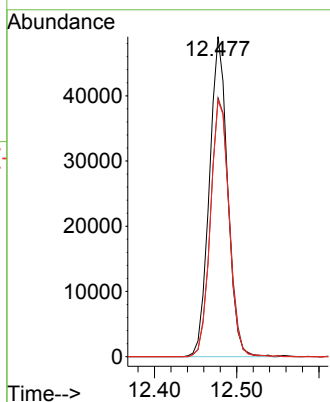
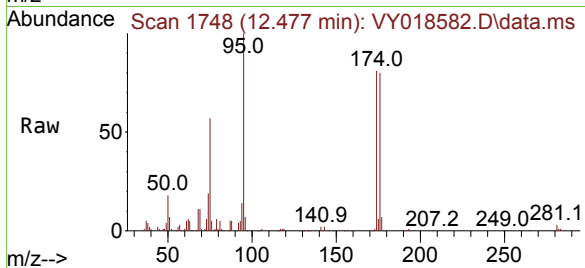




#62
4-Bromofluorobenzene
Concen: 45.387 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018582.D
Acq: 13 Jun 2024 18:22

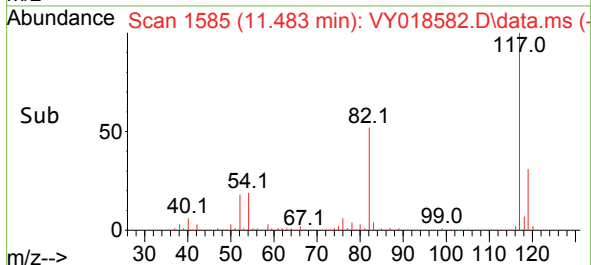
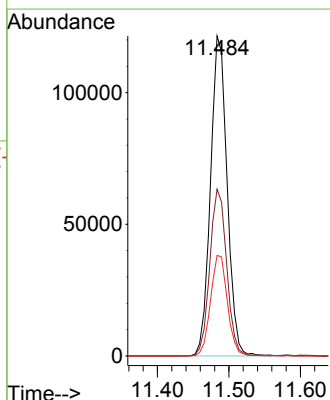
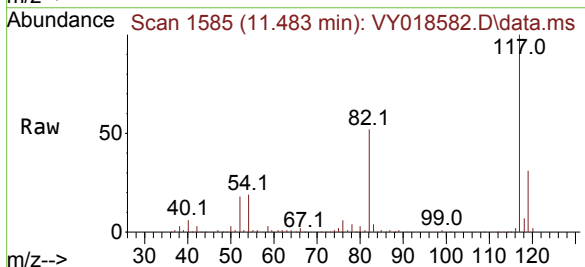
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

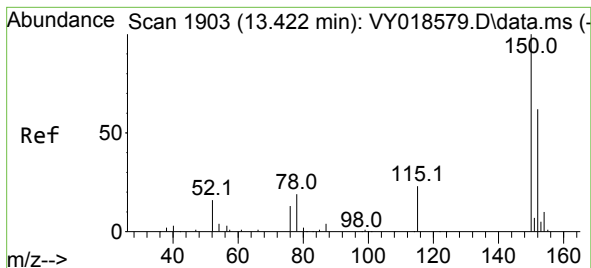
Tgt Ion:	95	Resp:	75549
Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	175.6
176	81.5	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. 0.000 min
Lab File: VY018582.D
Acq: 13 Jun 2024 18:22

Tgt Ion:	117	Resp:	196141
Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.4	63.6
119	31.4	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018582.D

Acq: 13 Jun 2024 18:22

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

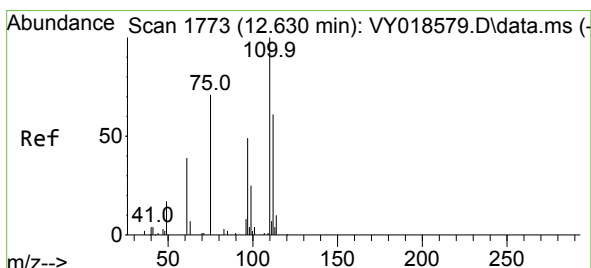
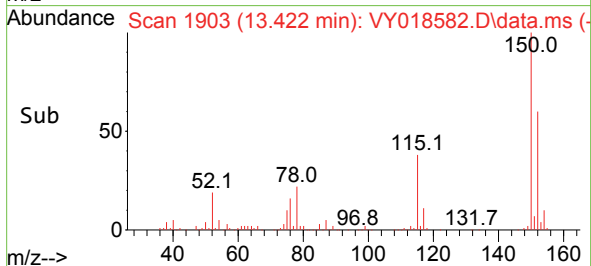
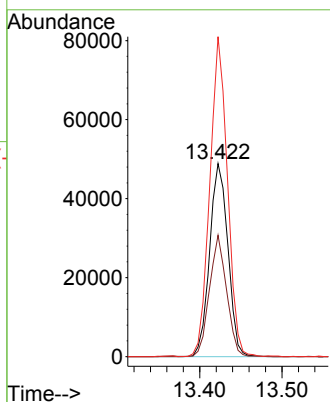
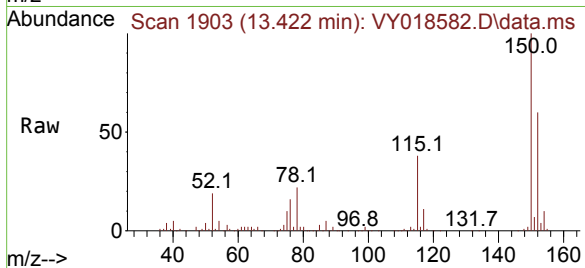
Tgt Ion:152 Resp: 75520

Ion Ratio Lower Upper

152 100

115 59.0 28.2 84.7

150 159.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 59.159 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY018582.D

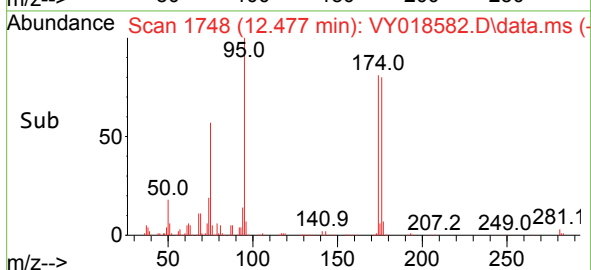
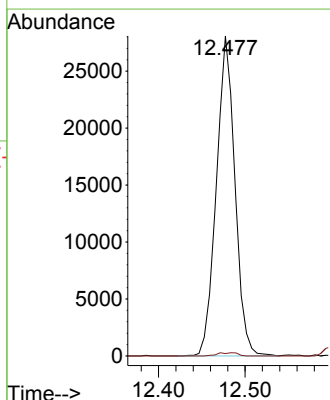
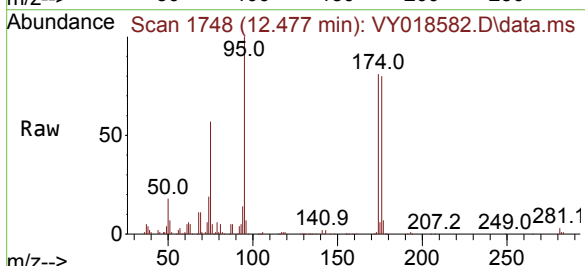
Acq: 13 Jun 2024 18:22

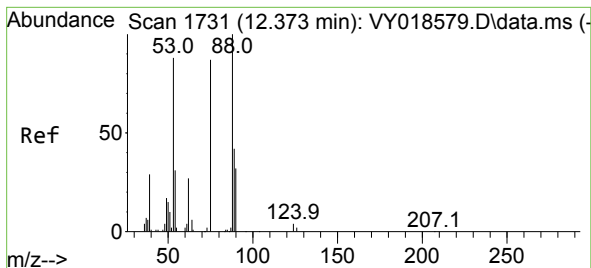
Tgt Ion: 75 Resp: 41909

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

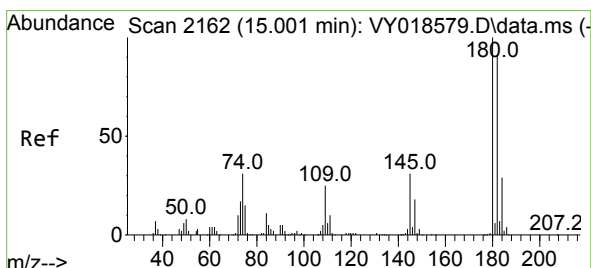
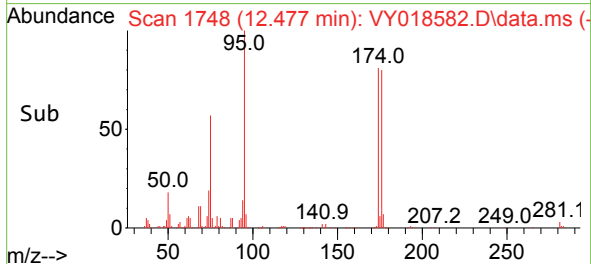
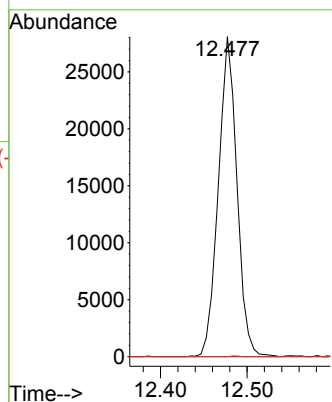
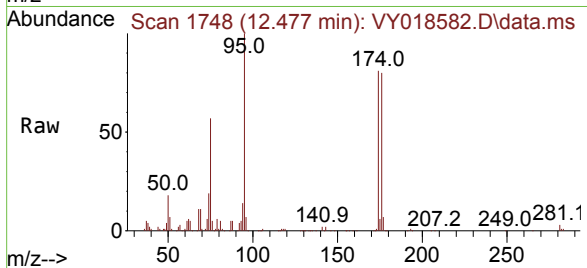




#81
trans-1,4-Dichloro-2-butene
Concen: 154.960 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY018582.D
Acq: 13 Jun 2024 18:22

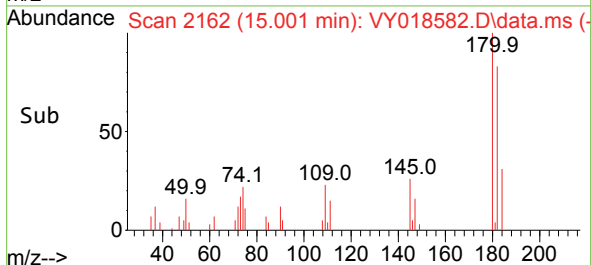
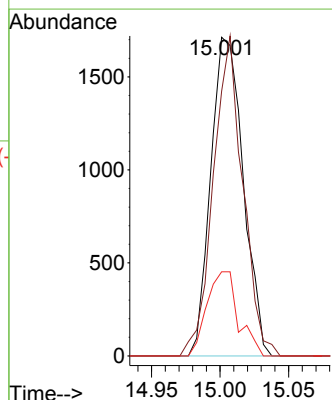
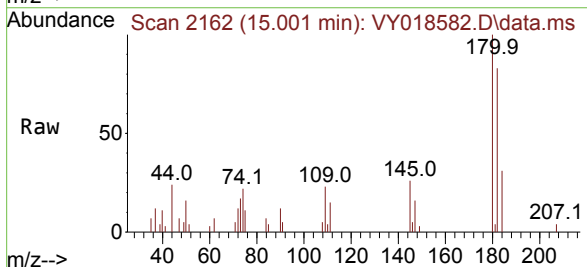
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

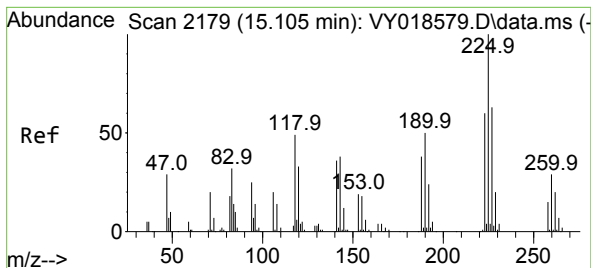
Tgt Ion: 75 Resp: 41909
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#



#93
1,2,4-Trichlorobenzene
Concen: 2.303 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. 0.000 min
Lab File: VY018582.D
Acq: 13 Jun 2024 18:22

Tgt Ion:180 Resp: 2820
Ion Ratio Lower Upper
180 100
182 91.3 47.9 143.8
145 25.7 14.2 42.6





#94

Hexachlorobutadiene

Concen: 1.571 ug/l

RT: 15.105 min Scan# 2179

Delta R.T. 0.000 min

Lab File: VY018582.D

Acq: 13 Jun 2024 18:22

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

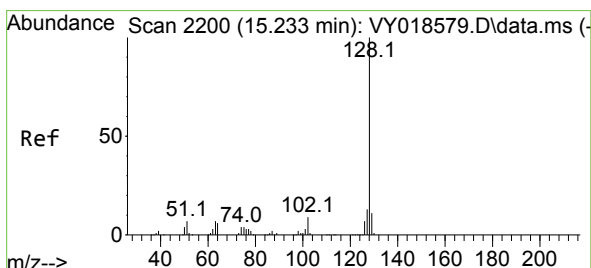
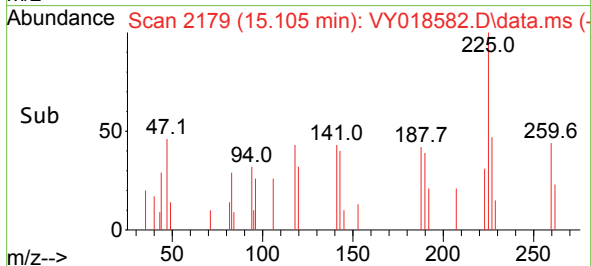
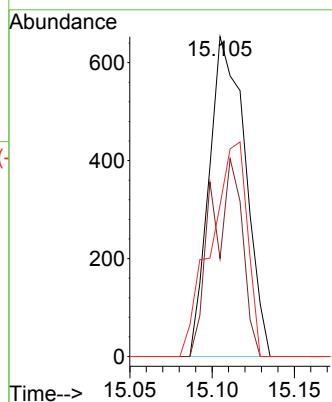
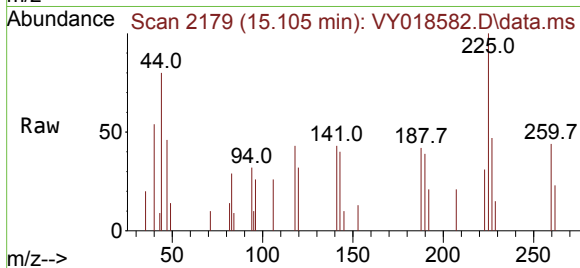
Tgt Ion:225 Resp: 988

Ion Ratio Lower Upper

225 100

223 53.1 30.4 91.2

227 68.0 31.9 95.9



#95

Naphthalene

Concen: 2.594 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY018582.D

Acq: 13 Jun 2024 18:22

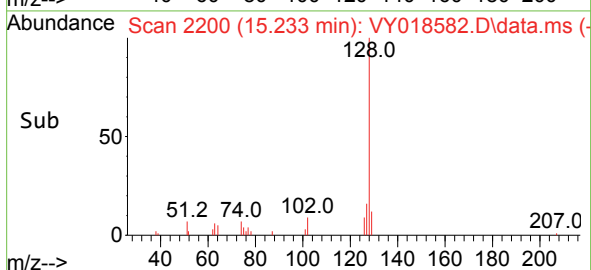
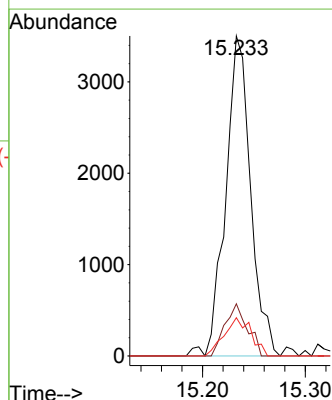
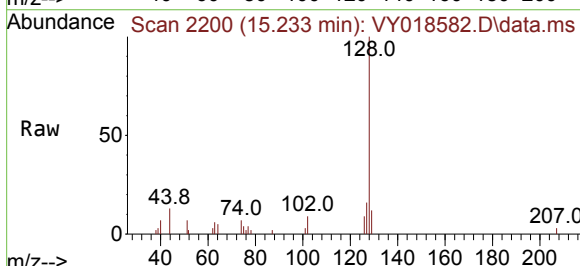
Tgt Ion:128 Resp: 5935

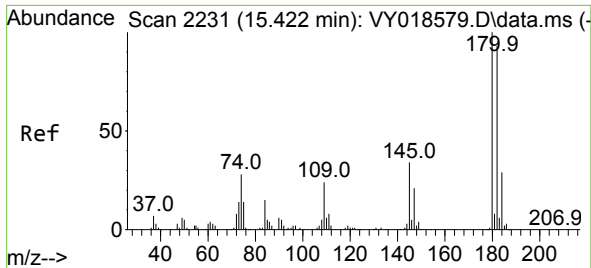
Ion Ratio Lower Upper

128 100

127 14.6 10.6 16.0

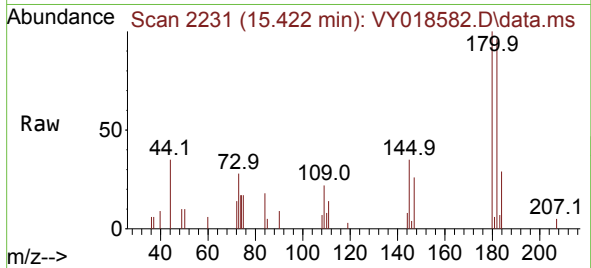
129 12.9 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.431 ug/l
 RT: 15.422 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY018582.D
 Acq: 13 Jun 2024 18:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion:	180	Resp:	2515
Ion	Ratio	Lower	Upper
180	100		
182	100.1	47.6	142.9
145	35.5	15.4	46.1

