

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061224\
 Data File : VY018573.D
 Acq On : 12 Jun 2024 16:52
 Operator : SY/MD
 Sample : P2846-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 13 00:57:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060324S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 07:11:56 2024
 Response via : Initial Calibration

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

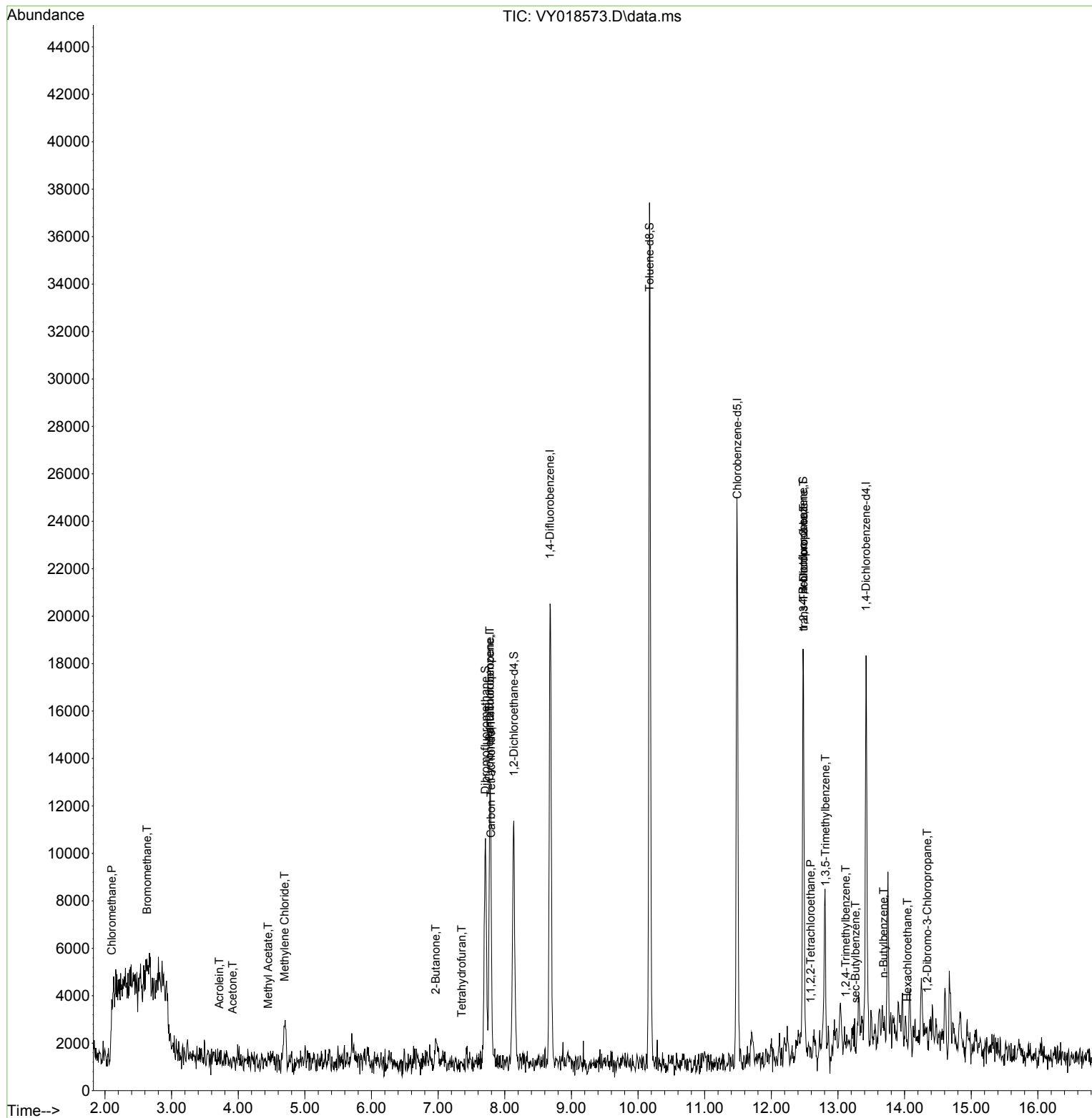
Internal Standards						
1) Pentafluorobenzene	7.777	168	8404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	15725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	11835	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	3088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	7920	47.988	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.980%
35) Dibromofluoromethane	7.710	113	6363	31.910	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	63.820%
50) Toluene-d8	10.173	98	21834	27.524	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	55.040%#
62) 4-Bromofluorobenzene	12.477	95	4716	19.094	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	38.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.101	50	291	1.169	ug/l	99
5) Bromomethane	2.631	94	253	1.274	ug/l	# 33
11) Tert butyl alcohol	4.942	59	46	Below Cal	#	88
13) Acrolein	3.717	56	22	1.302	ug/l	# 1
16) Acetone	3.918	43	423	11.548	ug/l	# 36
18) Methyl Acetate	4.448	43	144	1.572	ug/l	# 46
20) Methylene Chloride	4.698	84	1149	2.748	ug/l	# 77
25) 2-Butanone	6.966	43	83	1.479	ug/l	# 41
29) Tetrahydrofuran	7.356	42	123	3.375	ug/l	# 37
31) Cyclohexane	7.771	56	433	1.407	ug/l	# 64
36) 1,1-Dichloropropene	7.777	75	969	3.187	ug/l	# 42
38) Carbon Tetrachloride	7.795	117	969	3.180	ug/l	# 13
75) 1,1,2,2-Tetrachloroethane	12.593	83	60	1.070	ug/l	# 77
76) 1,2,3-Trichloropropane	12.483	75	2856	74.586	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.812	105	590	2.377	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.483	75	2856	156.699	ug/l	# 17
84) 1,2,4-Trimethylbenzene	13.117	105	338	1.391	ug/l	# 30
85) sec-Butylbenzene	13.264	105	389	1.151	ug/l	# 56
89) n-Butylbenzene	13.684	91	440	1.697	ug/l	# 57
90) Hexachloroethane	14.044	117	191	3.736	ug/l	# 12
92) 1,2-Dibromo-3-Chloropr...	14.343	75	86	10.075	ug/l	# 1

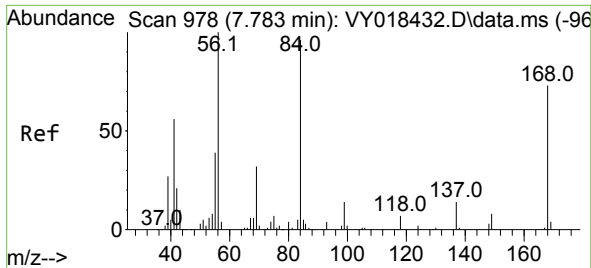
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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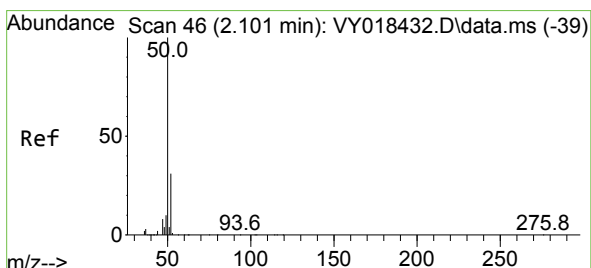
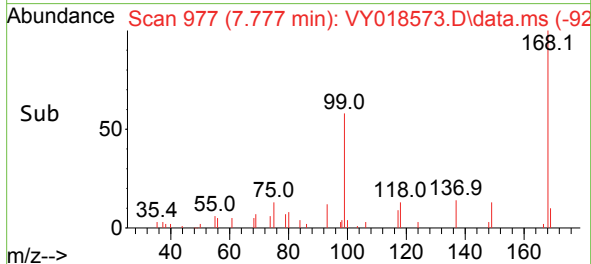
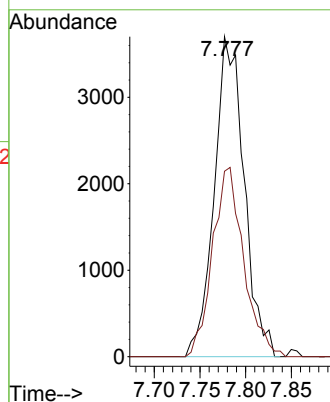
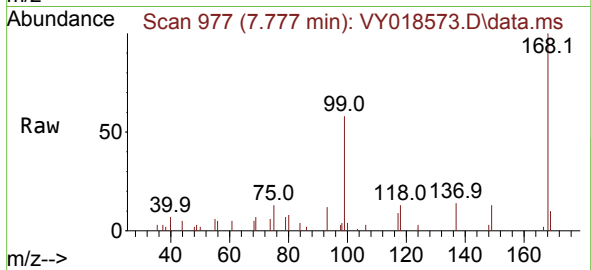




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

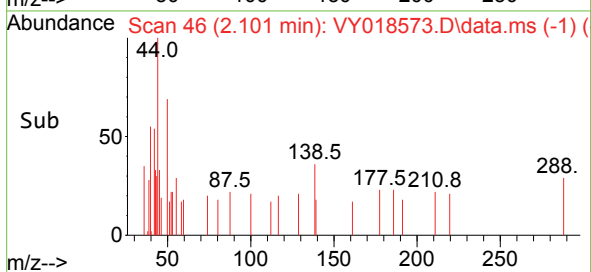
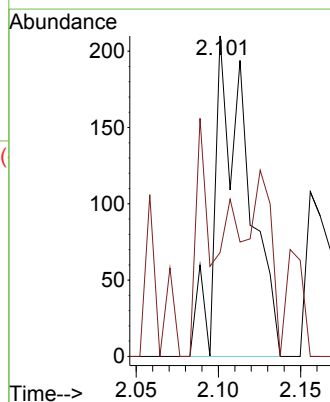
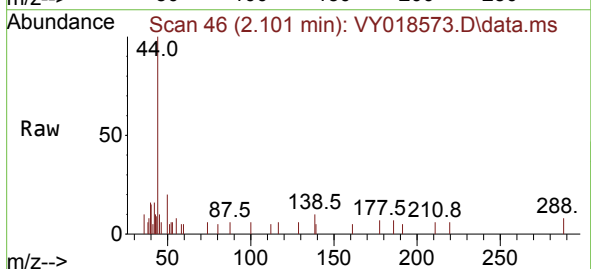
Instrument :
MSVOA_Y
ClientSampleId :

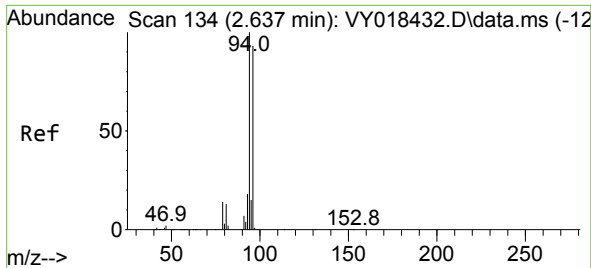
Tgt Ion:168 Resp: 8404
Ion Ratio Lower Upper
168 100
99 57.9 39.1 58.7



#3
Chloromethane
Concen: 1.169 ug/l
RT: 2.101 min Scan# 46
Delta R.T. 0.000 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

Tgt Ion: 50 Resp: 291
Ion Ratio Lower Upper
50 100
52 32.4 25.6 38.4

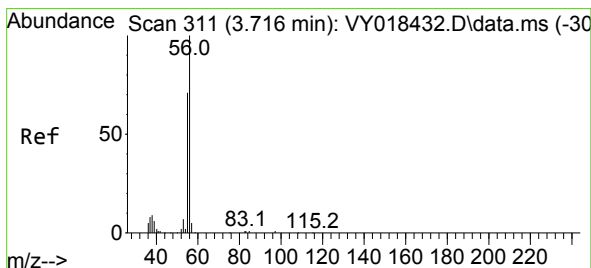
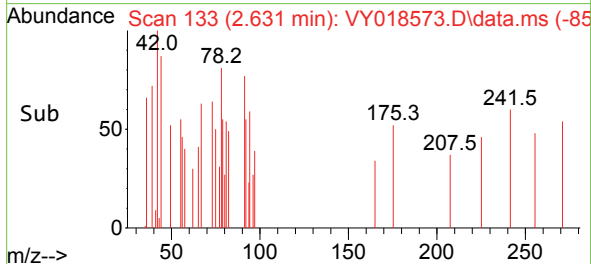
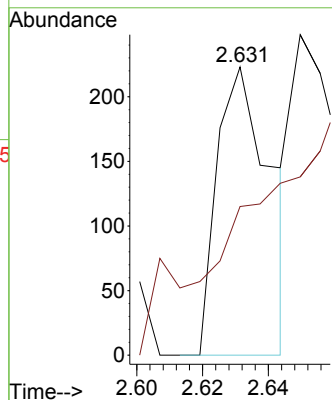
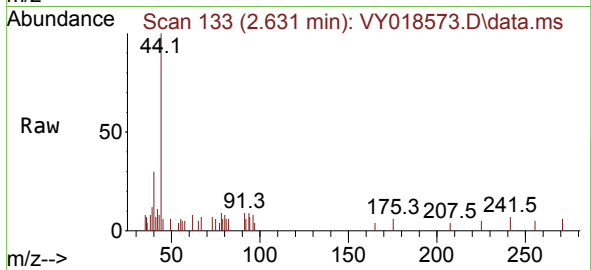




#5
Bromomethane
Concen: 1.274 ug/l
RT: 2.631 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

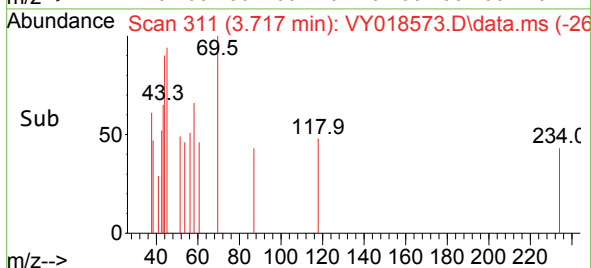
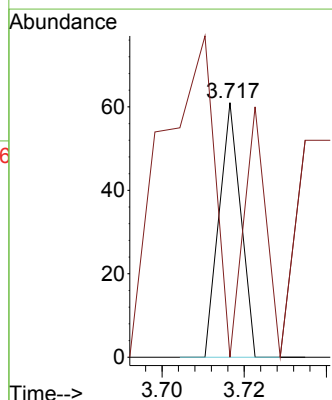
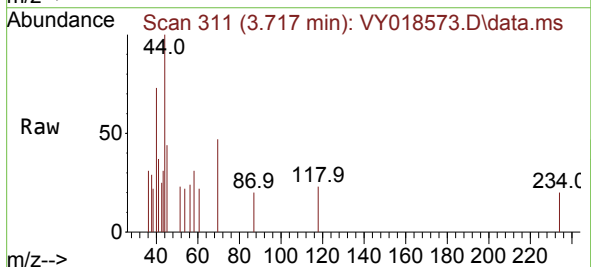
Instrument :
MSVOA_Y
ClientSampleId :

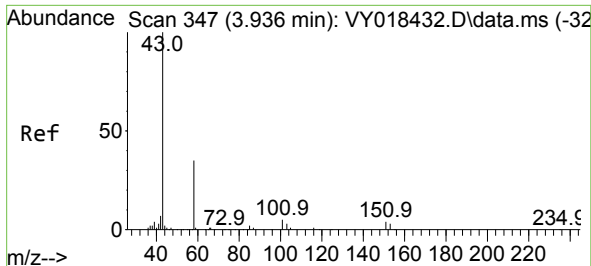
Tgt Ion: 94 Resp: 253
Ion Ratio Lower Upper
94 100
96 28.3 74.1 111.1#



#13
Acrolein
Concen: 1.302 ug/l
RT: 3.717 min Scan# 311
Delta R.T. 0.001 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

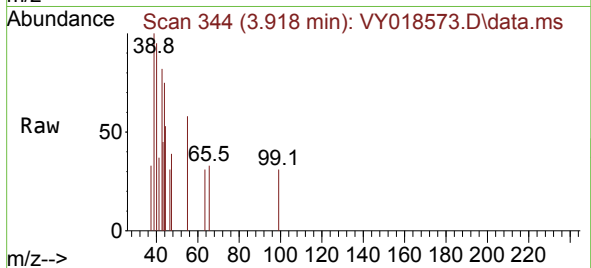
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 309.1 55.7 83.5#



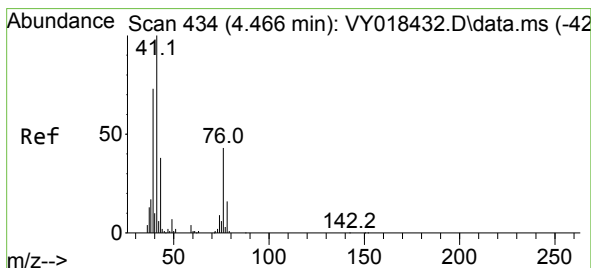
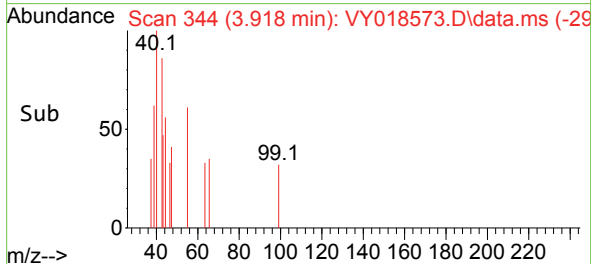
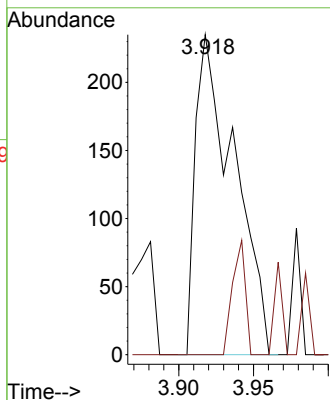


#16
Acetone
Concen: 11.548 ug/l
RT: 3.918 min Scan# 34
Delta R.T. -0.018 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :

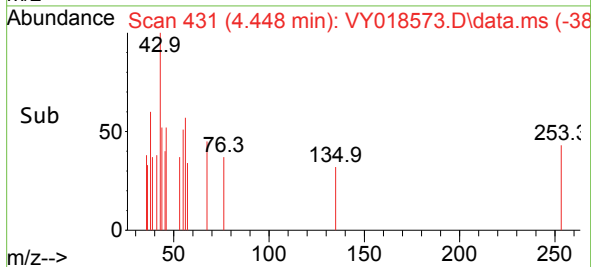
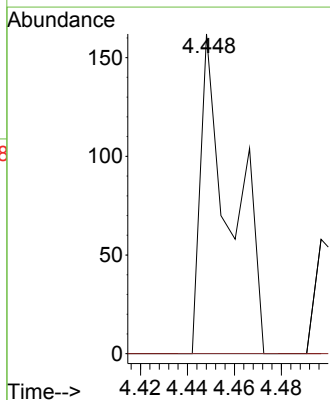
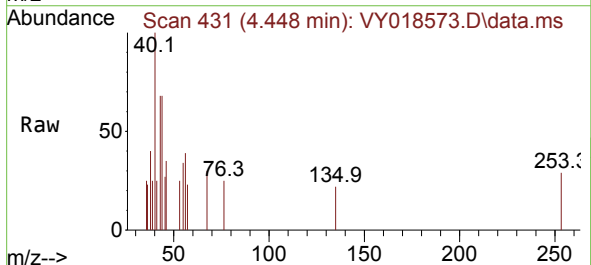


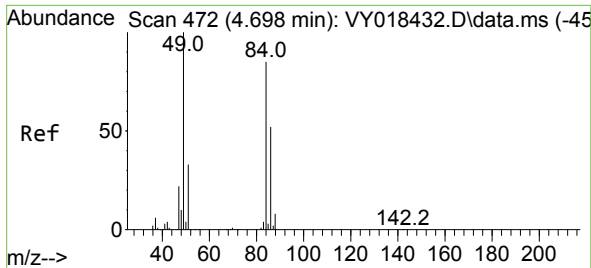
Tgt Ion: 43 Resp: 423
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#18
Methyl Acetate
Concen: 1.572 ug/l
RT: 4.448 min Scan# 431
Delta R.T. -0.018 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

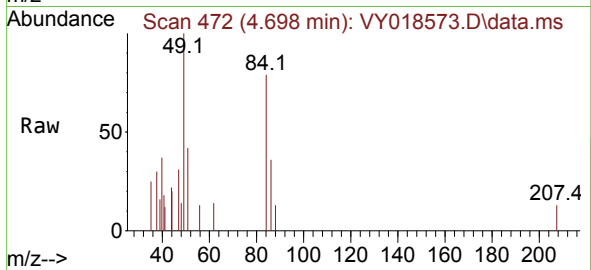
Tgt Ion: 43 Resp: 144
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



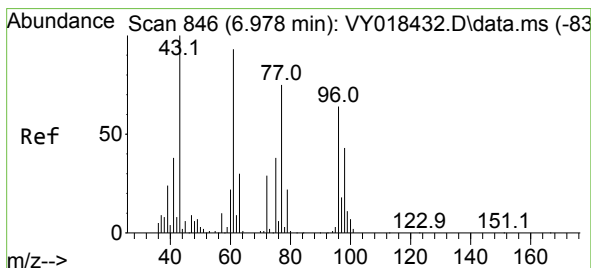
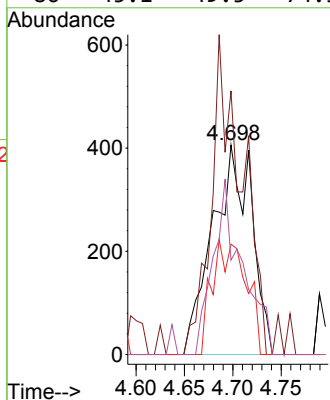
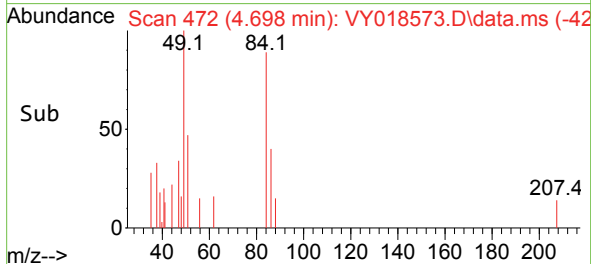


#20
Methylene Chloride
Concen: 2.748 ug/l
RT: 4.698 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :

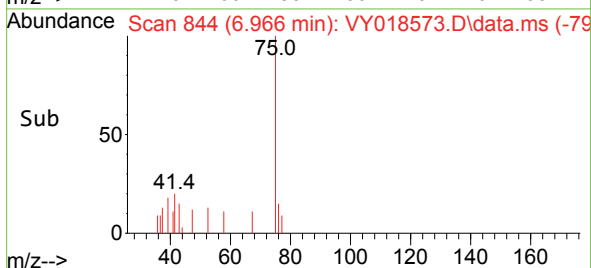
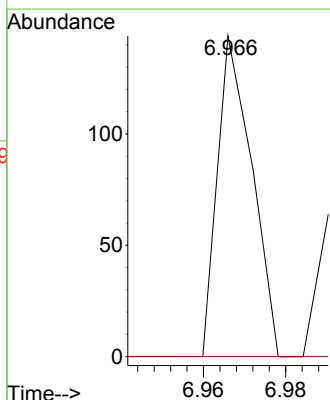
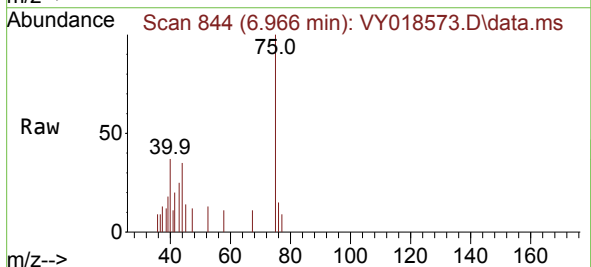


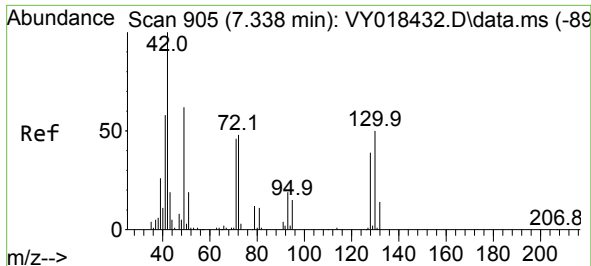
Tgt Ion:	84	Resp:	1149
Ion	Ratio	Lower	Upper
84	100		
49	125.9	84.4	126.6
51	52.7	26.0	39.0#
86	45.1	49.5	74.3#



#25
2-Butanone
Concen: 1.479 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

Tgt Ion:	43	Resp:	83
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#29

Tetrahydrofuran

Concen: 3.375 ug/l

RT: 7.356 min Scan# 90

Delta R.T. 0.018 min

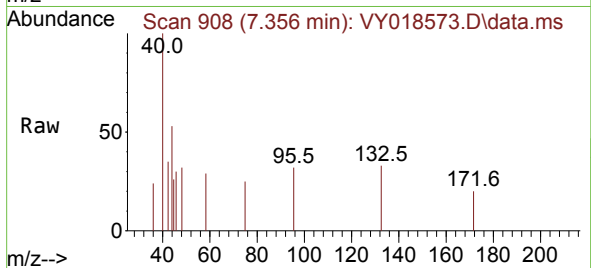
Lab File: VY018573.D

Acq: 12 Jun 2024 16:52

Instrument :

MSVOA_Y

ClientSampleId :



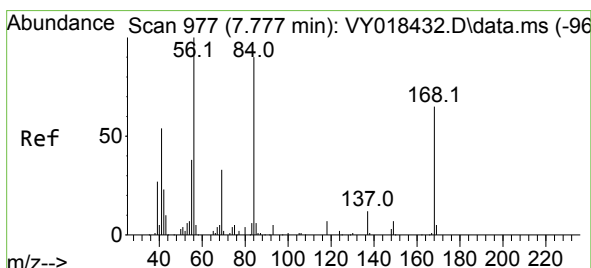
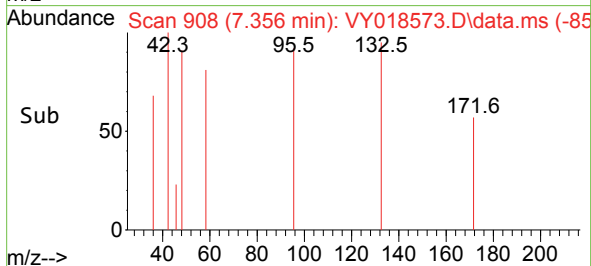
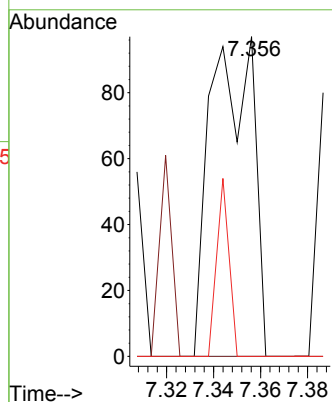
Tgt Ion: 42 Resp: 123

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 16.3 40.8 61.2#



#31

Cyclohexane

Concen: 1.407 ug/l

RT: 7.771 min Scan# 976

Delta R.T. -0.006 min

Lab File: VY018573.D

Acq: 12 Jun 2024 16:52

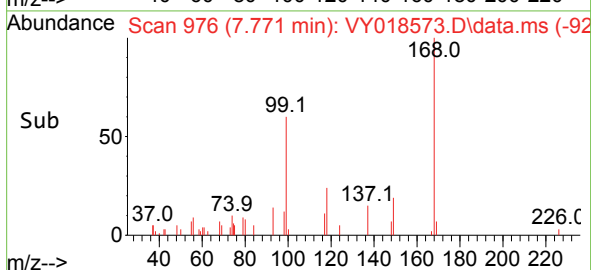
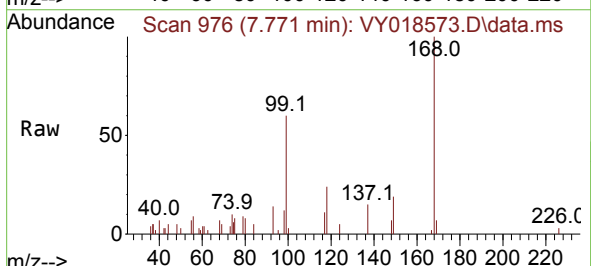
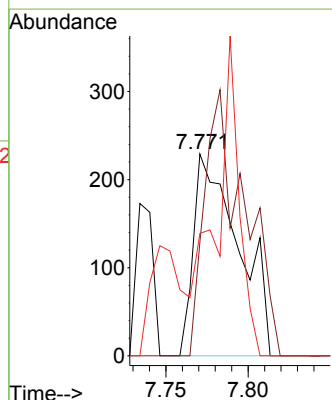
Tgt Ion: 56 Resp: 433

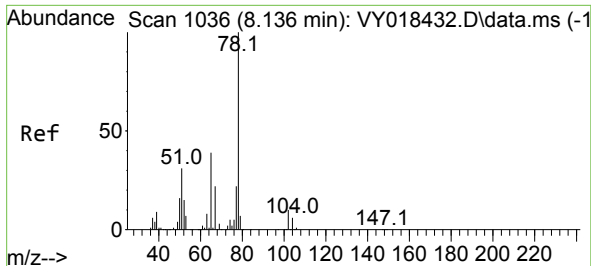
Ion Ratio Lower Upper

56 100

69 56.3 28.7 43.1#

84 60.7 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 47.988 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY018573.D

Acq: 12 Jun 2024 16:52

Instrument :

MSVOA_Y

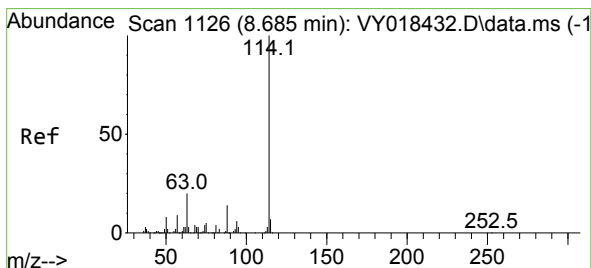
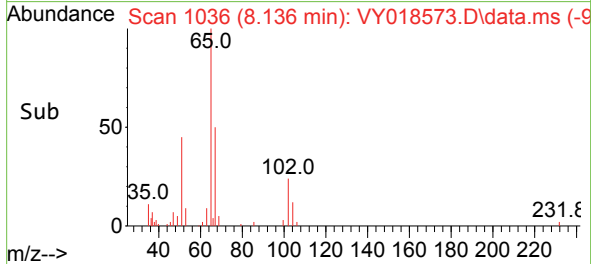
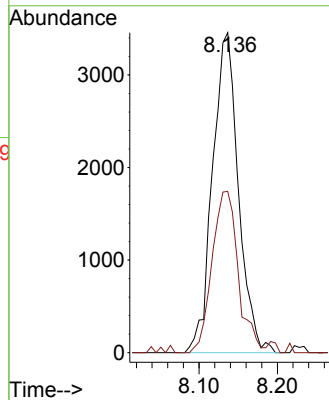
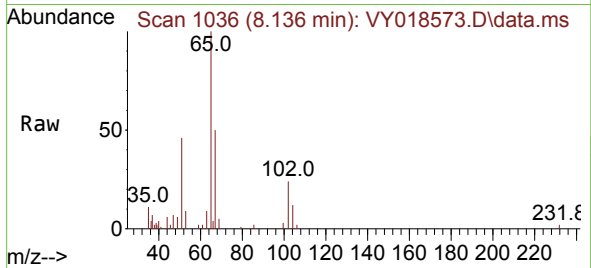
ClientSampleId :

Tgt Ion: 65 Resp: 7920

Ion Ratio Lower Upper

65 100

67 51.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VY018573.D

Acq: 12 Jun 2024 16:52

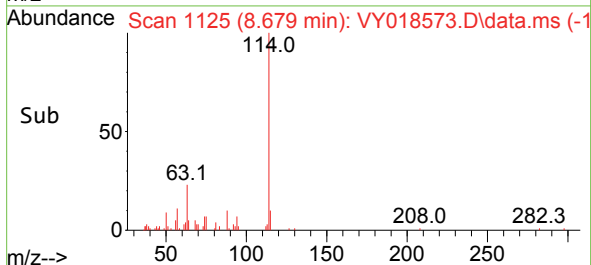
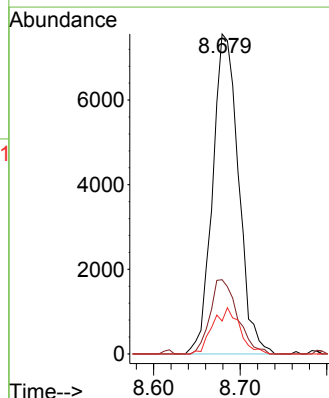
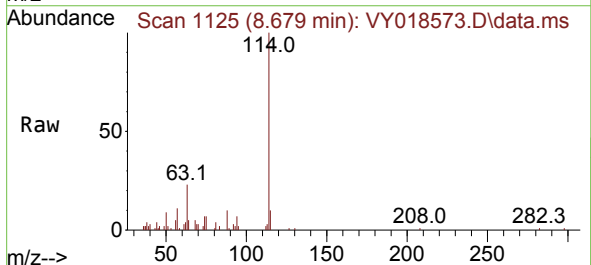
Tgt Ion: 114 Resp: 15725

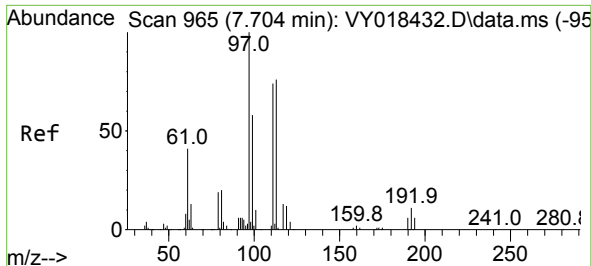
Ion Ratio Lower Upper

114 100

63 23.2 0.0 35.0

88 10.3 0.0 27.2

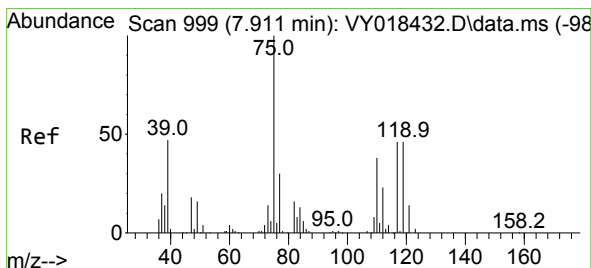
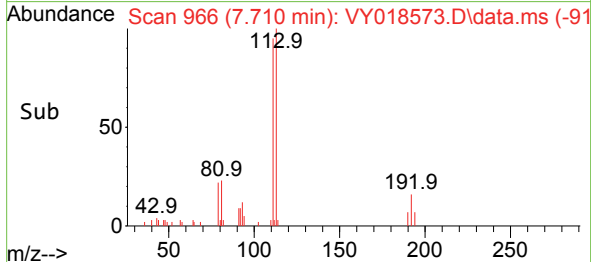
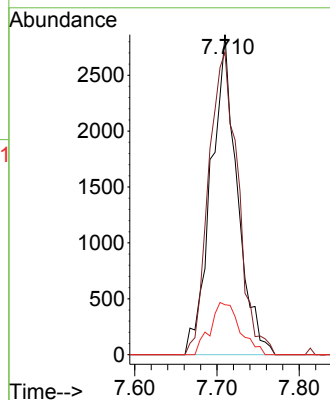
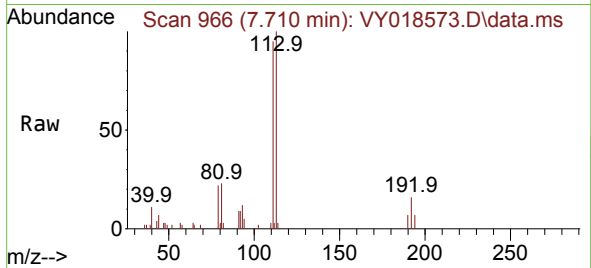




#35
 Dibromofluoromethane
 Concen: 31.910 ug/l
 RT: 7.710 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VY018573.D
 Acq: 12 Jun 2024 16:52

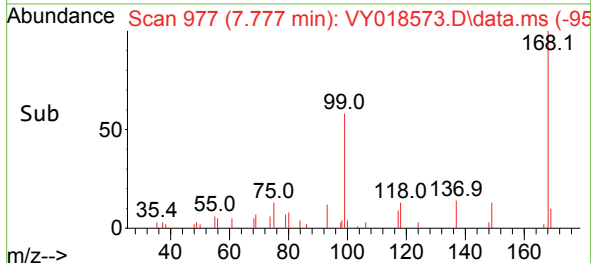
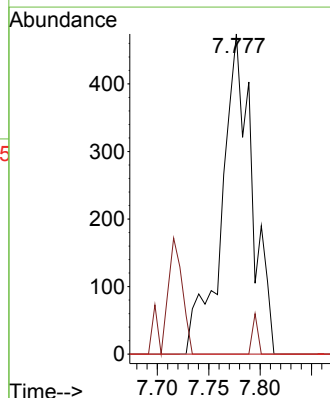
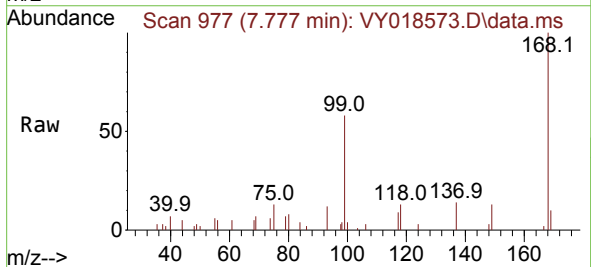
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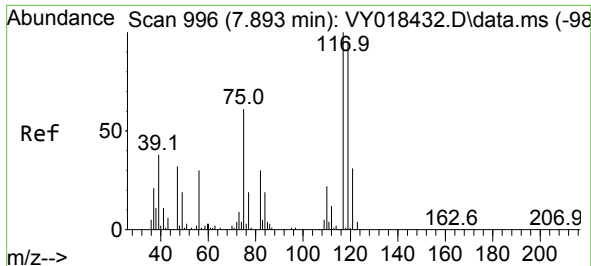
Tgt Ion:113 Resp: 6363
 Ion Ratio Lower Upper
 113 100
 111 105.1 82.2 123.4
 192 18.4 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 3.187 ug/l
 RT: 7.777 min Scan# 977
 Delta R.T. -0.134 min
 Lab File: VY018573.D
 Acq: 12 Jun 2024 16:52

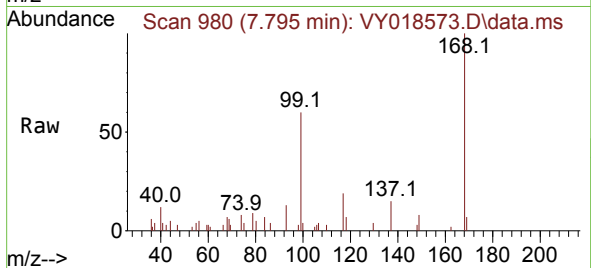
Tgt Ion: 75 Resp: 969
 Ion Ratio Lower Upper
 75 100
 110 2.3 19.0 57.0#
 77 0.0 25.3 37.9#



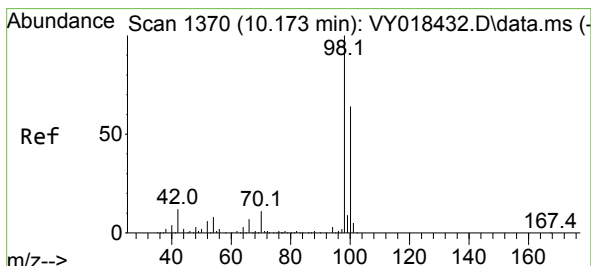
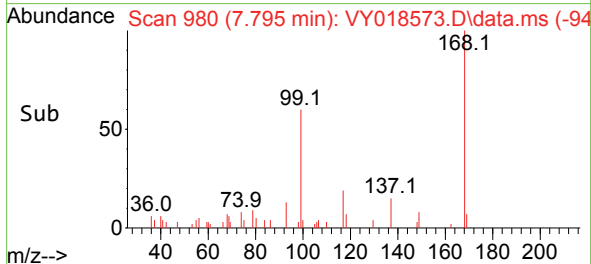
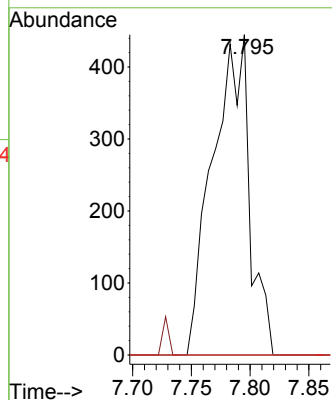


#38
Carbon Tetrachloride
Concen: 3.180 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :

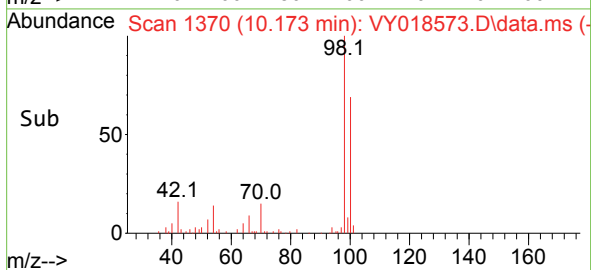
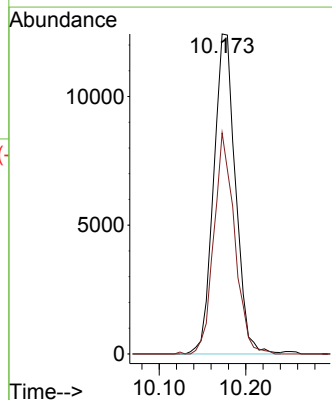
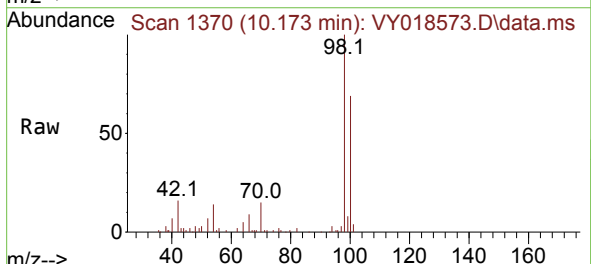


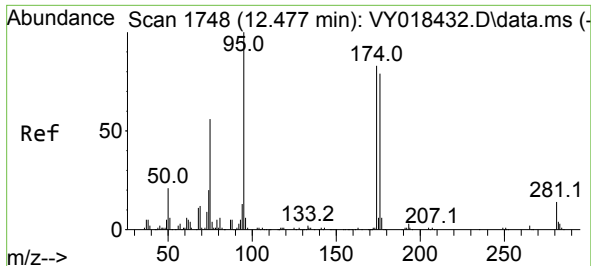
Tgt Ion:117 Resp: 969
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 27.524 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

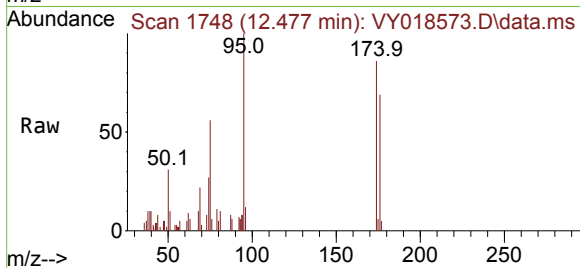
Tgt Ion: 98 Resp: 21834
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



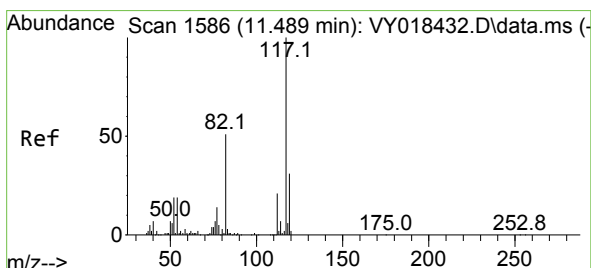
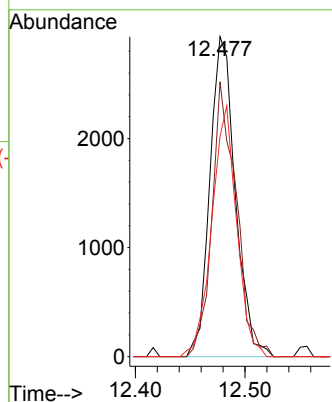
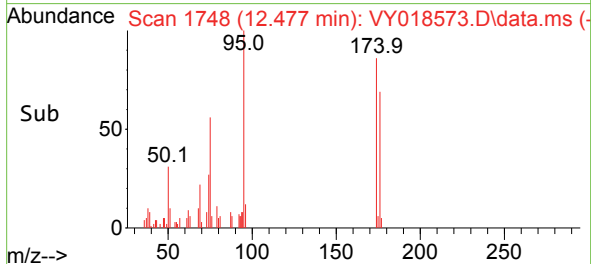


#62
4-Bromofluorobenzene
Concen: 19.094 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :

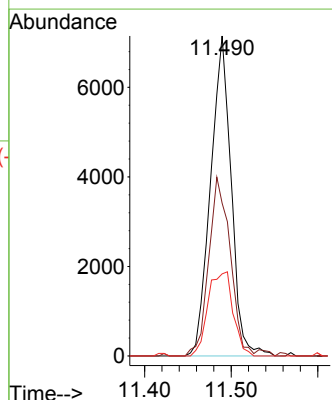
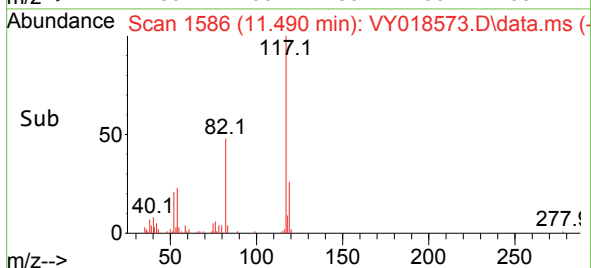
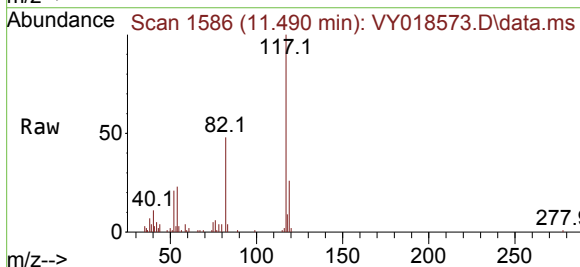


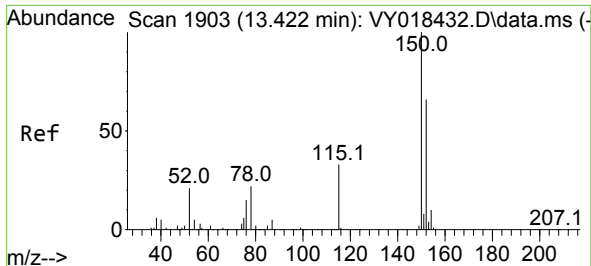
Tgt Ion: 95 Resp: 4716
Ion Ratio Lower Upper
95 100
174 82.3 0.0 175.6
176 77.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

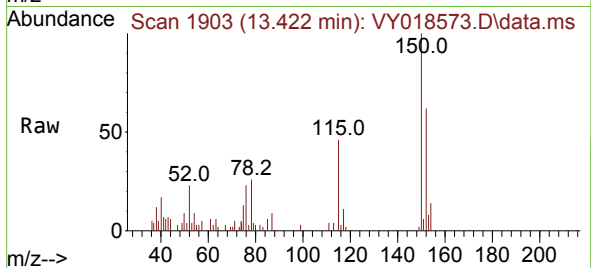
Tgt Ion: 117 Resp: 11835
Ion Ratio Lower Upper
117 100
82 47.8 42.4 63.6
119 25.7 25.9 38.9#



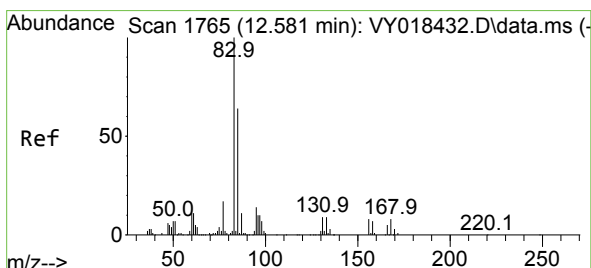
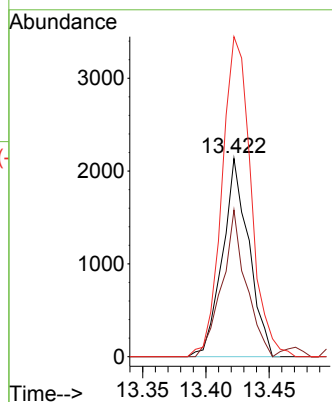
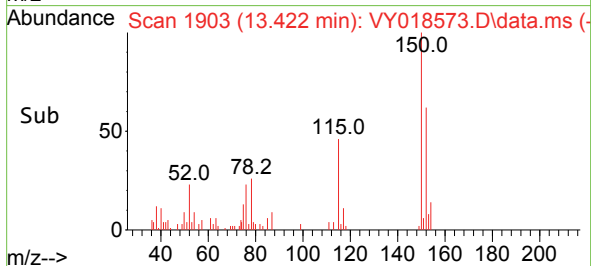


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY018573.D
 Acq: 12 Jun 2024 16:52

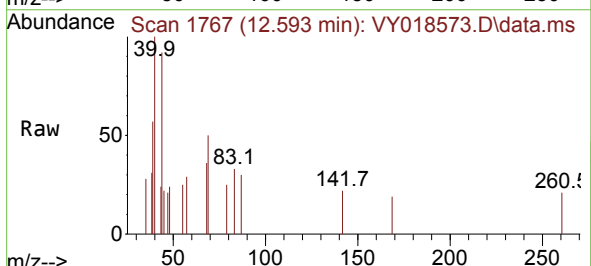
Instrument :
 MSVOA_Y
 ClientSampleId :



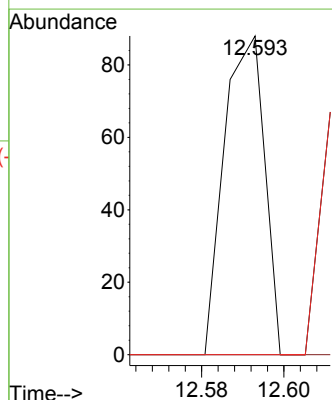
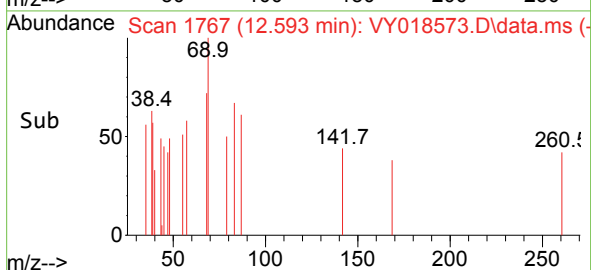
Tgt Ion:152 Resp: 3088
 Ion Ratio Lower Upper
 152 100
 115 67.5 28.2 84.7
 150 177.4 0.0 345.6

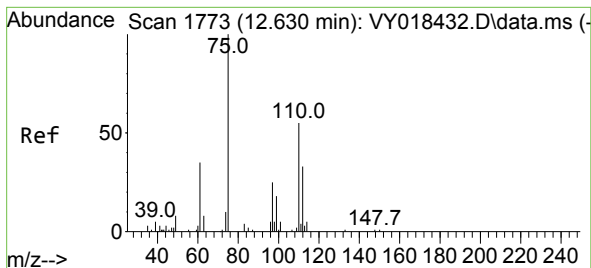


#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.070 ug/l
 RT: 12.593 min Scan# 1767
 Delta R.T. 0.012 min
 Lab File: VY018573.D
 Acq: 12 Jun 2024 16:52



Tgt Ion: 83 Resp: 60
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 14.9#
 85 81.7 32.0 96.0

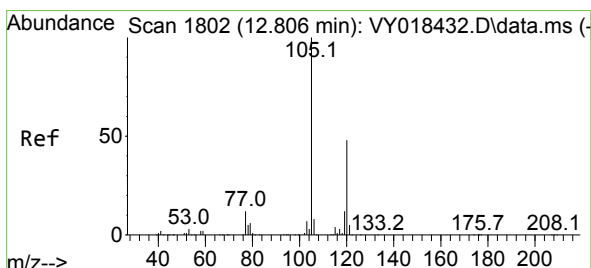
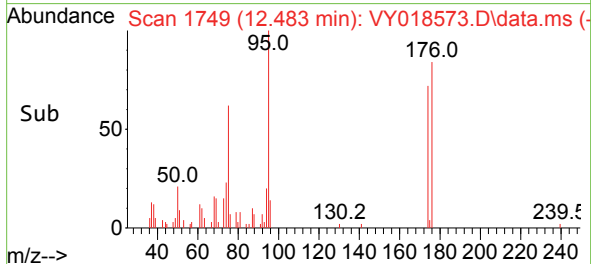
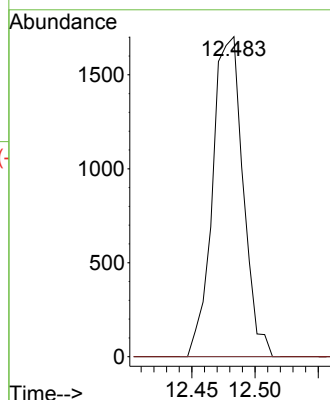
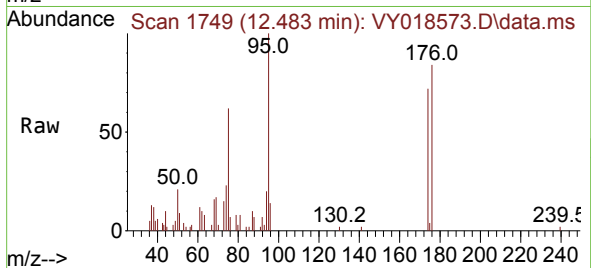




#76
1,2,3-Trichloropropane
Concen: 74.586 ug/l
RT: 12.483 min Scan# 1773
Delta R.T. -0.146 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

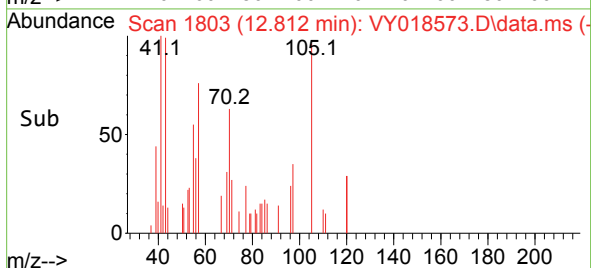
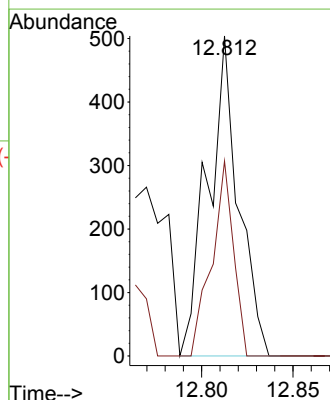
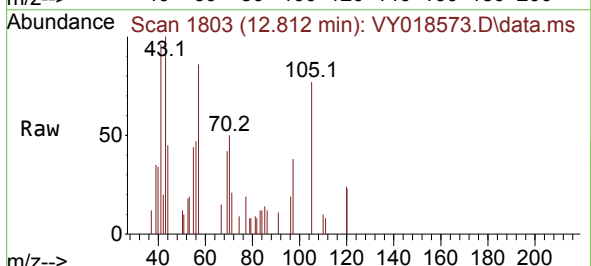
Instrument :
MSVOA_Y
ClientSampleId :

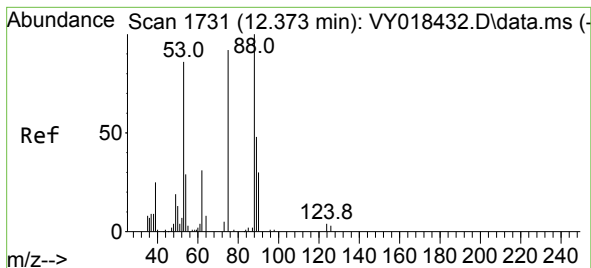
Tgt Ion: 75 Resp: 2856
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#80
1,3,5-Trimethylbenzene
Concen: 2.377 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.006 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

Tgt Ion: 105 Resp: 590
Ion Ratio Lower Upper
105 100
120 43.1 25.1 75.2

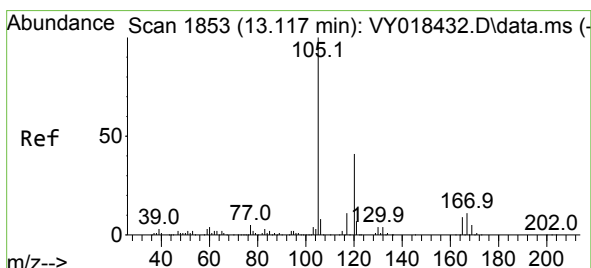
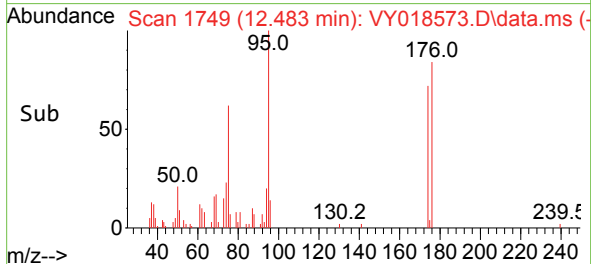
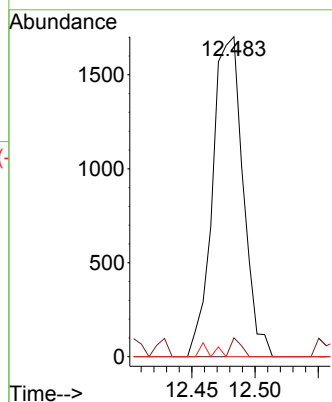
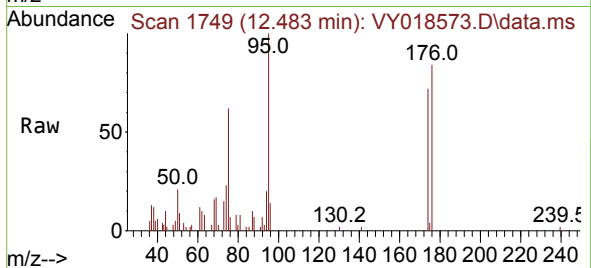




#81
trans-1,4-Dichloro-2-butene
Concen: 156.699 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

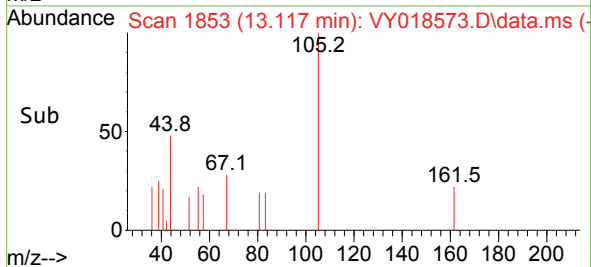
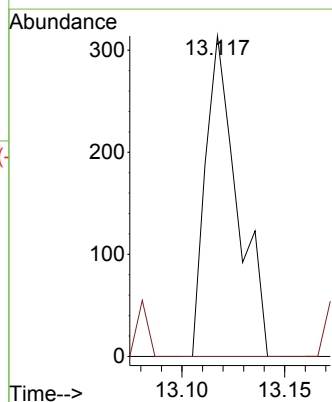
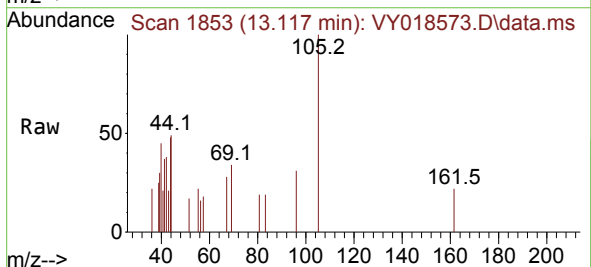
Instrument :
MSVOA_Y
ClientSampleId :

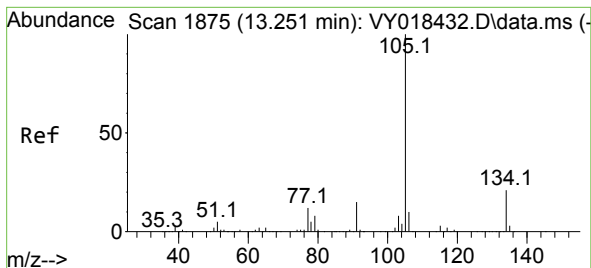
Tgt Ion: 75 Resp: 2856
Ion Ratio Lower Upper
75 100
53 2.0 66.8 100.2#
89 0.0 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.391 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

Tgt Ion: 105 Resp: 338
Ion Ratio Lower Upper
105 100
120 0.0 23.2 69.6#





#85

sec-Butylbenzene

Concen: 1.151 ug/l

RT: 13.264 min Scan# 1877

Delta R.T. 0.012 min

Lab File: VY018573.D

Acq: 12 Jun 2024 16:52

Instrument :

MSVOA_Y

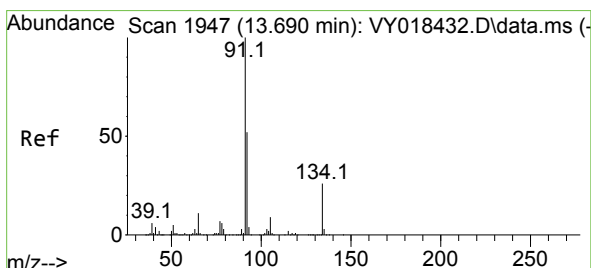
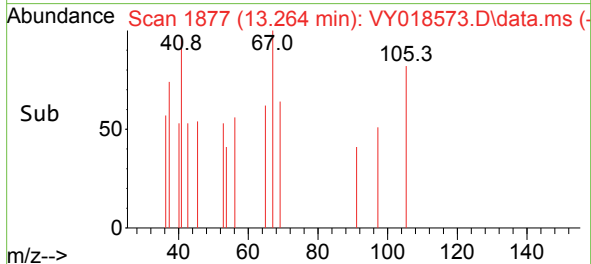
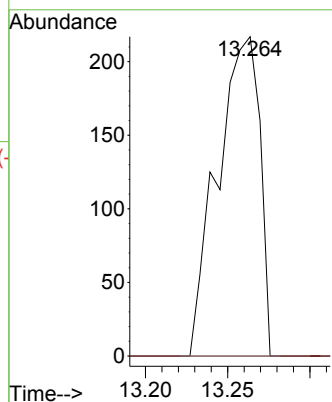
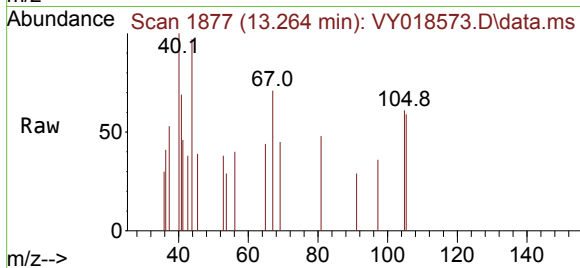
ClientSampleId :

Tgt Ion:105 Resp: 389

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#



#89

n-Butylbenzene

Concen: 1.697 ug/l

RT: 13.684 min Scan# 1946

Delta R.T. -0.006 min

Lab File: VY018573.D

Acq: 12 Jun 2024 16:52

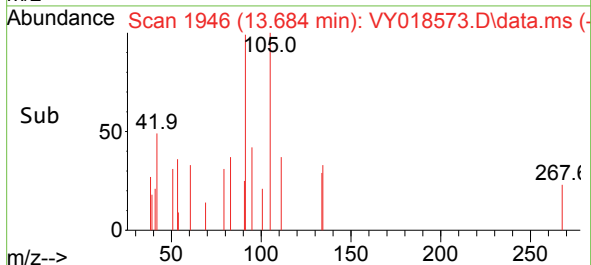
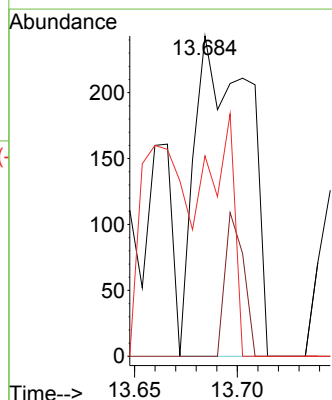
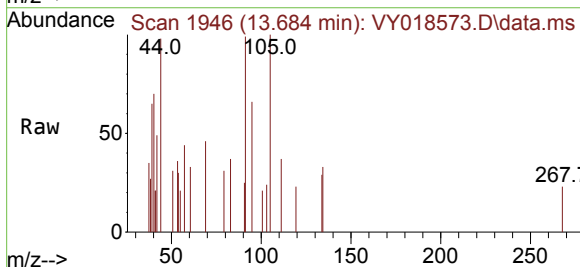
Tgt Ion: 91 Resp: 440

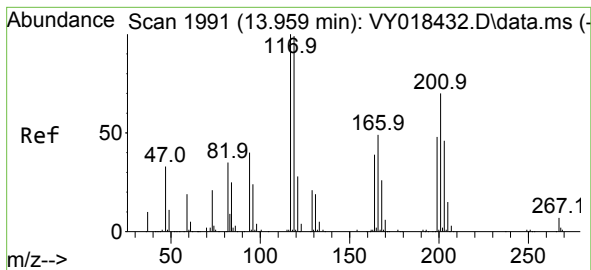
Ion Ratio Lower Upper

91 100

92 15.5 26.6 79.7#

134 38.0 12.9 38.7

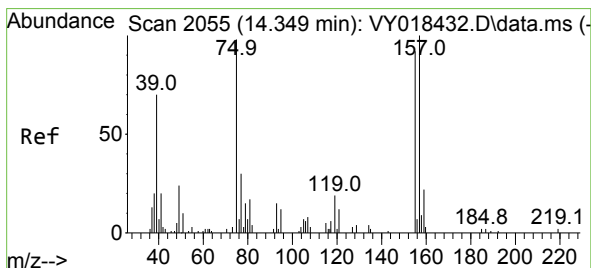
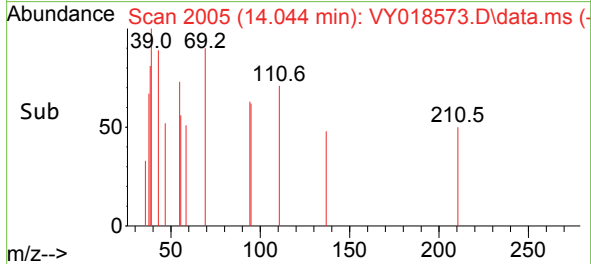
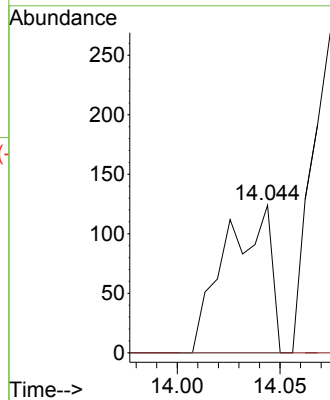
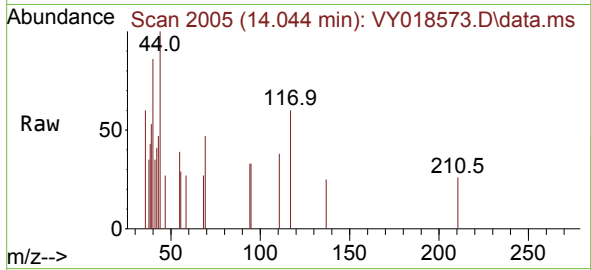




#90
Hexachloroethane
Concen: 3.736 ug/l
RT: 14.044 min Scan# 2005
Delta R.T. 0.085 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 191
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 10.075 ug/l
RT: 14.343 min Scan# 2054
Delta R.T. -0.006 min
Lab File: VY018573.D
Acq: 12 Jun 2024 16:52

Tgt Ion: 75 Resp: 86
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#

