

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050324\
 Data File : VY018143.D
 Acq On : 03 May 2024 15:21
 Operator : SY/MD
 Sample : P2354-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 02:58:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 16:21:20 2024
 Response via : Initial Calibration

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

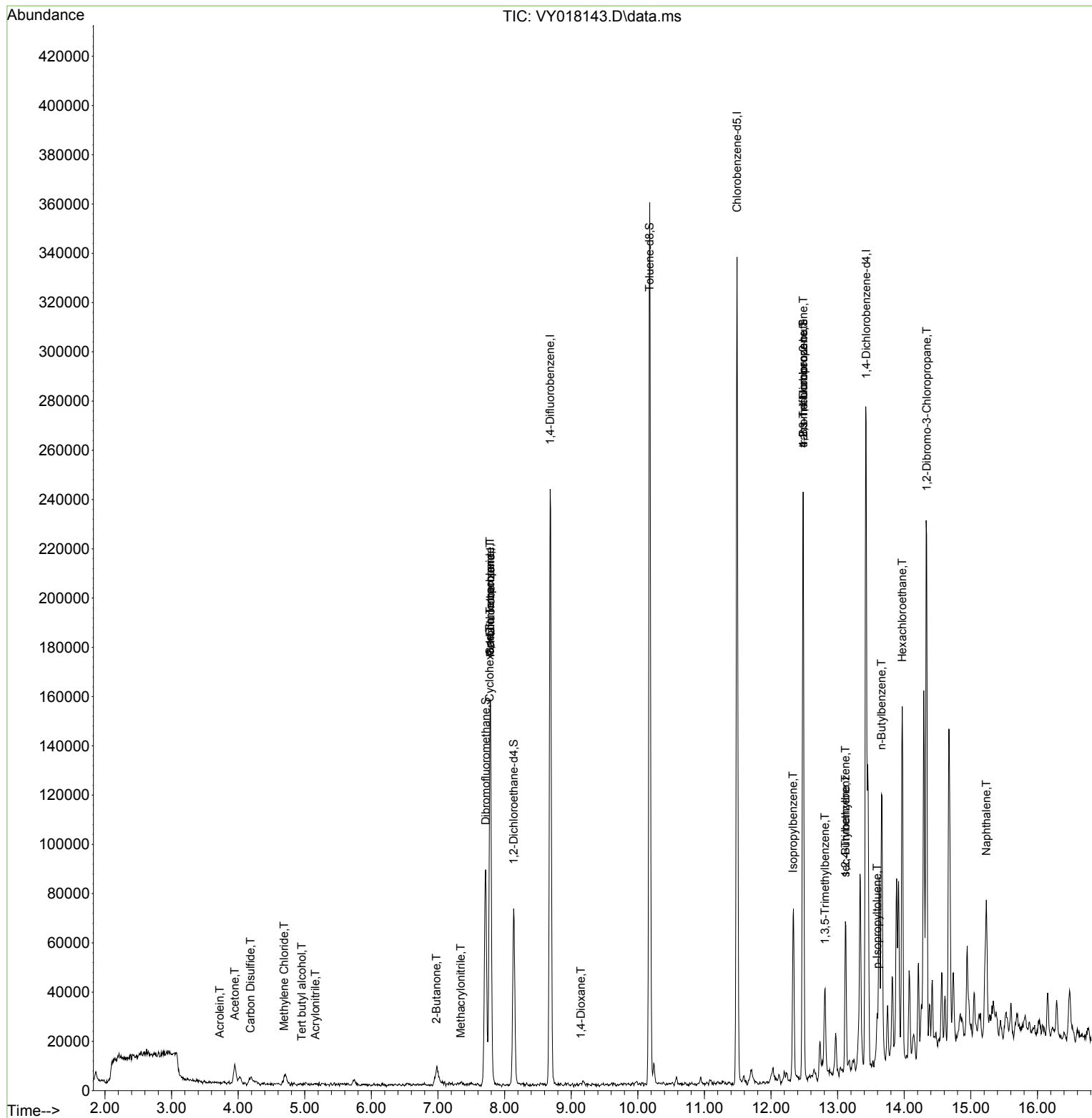
Internal Standards						
1) Pentafluorobenzene	7.789	168	128986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	222187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	189014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51598	50.750	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.500%			
35) Dibromofluoromethane	7.715	113	62153	48.677	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.360%			
50) Toluene-d8	10.178	98	244384	49.027	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.060%			
62) 4-Bromofluorobenzene	12.483	95	73836	43.042	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 86.080%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	305	3.681	ug/l #	4
13) Acrolein	3.722	56	172	1.395	ug/l #	73
15) Acrylonitrile	5.161	53	309	1.322	ug/l #	30
16) Acetone	3.948	43	13220	68.254	ug/l	91
17) Carbon Disulfide	4.186	76	5171	1.404	ug/l #	93
20) Methylene Chloride	4.692	84	3327	2.451	ug/l #	79
25) 2-Butanone	6.978	43	2535	8.413	ug/l #	82
31) Cyclohexane	7.776	56	2629	1.350	ug/l #	26
36) 1,1-Dichloropropene	7.782	75	9093	5.335	ug/l #	44
38) Carbon Tetrachloride	7.782	117	12093	6.251	ug/l #	16
41) Methacrylonitrile	7.343	41	708	1.619	ug/l #	38
49) 1,4-Dioxane	9.148	88	52	6.451	ug/l #	20
73) Isopropylbenzene	12.330	105	6681	1.174	ug/l	85
76) 1,2,3-Trichloropropane	12.483	75	36115	56.911	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	10523	2.294	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	36115	103.678	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.117	105	34388	7.653	ug/l	99
85) sec-Butylbenzene	13.117	105	34388	5.707	ug/l #	56
86) p-Isopropyltoluene	13.592	119	7557	1.505	ug/l	87
89) n-Butylbenzene	13.659	91	13743	3.092	ug/l #	1
90) Hexachloroethane	13.970	117	6217	6.093	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.336	75	896	6.559	ug/l #	1
95) Naphthalene	15.232	128	43475	18.746	ug/l	98

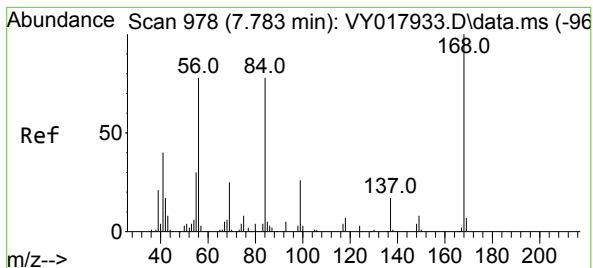
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050324\
Data File : VY018143.D
Acq On : 03 May 2024 15:21
Operator : SY/MD
Sample : P2354-01
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: May 06 02:58:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
Quant Title : SW846 8260
QLast Update : Wed May 01 16:21:20 2024
Response via : Initial Calibration

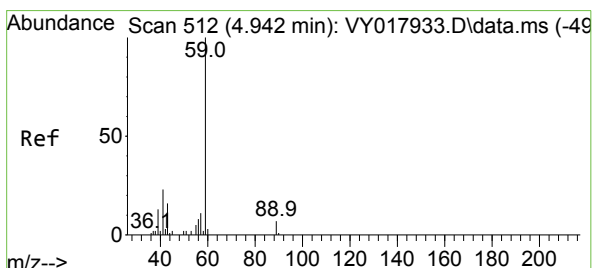
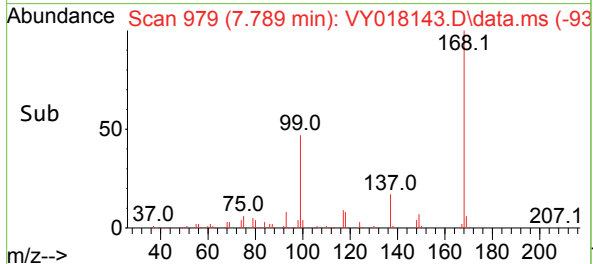
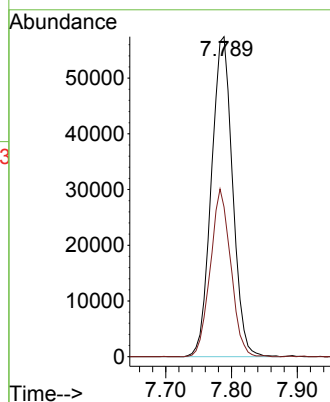
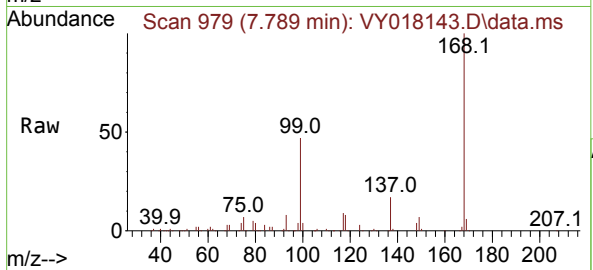




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

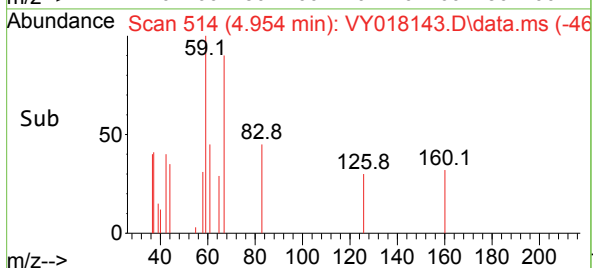
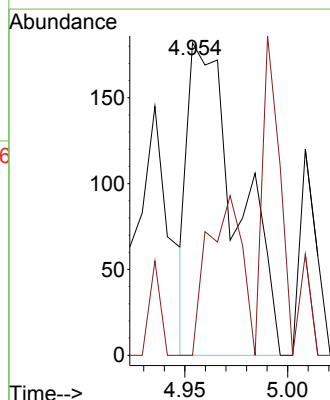
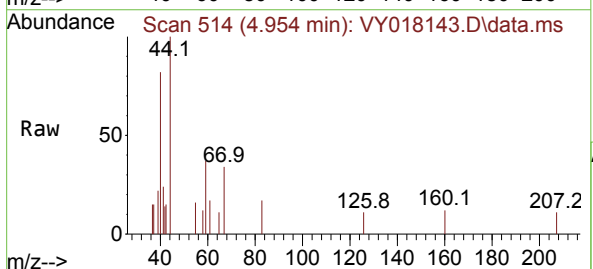
Instrument :
MSVOA_Y
ClientSampleId :

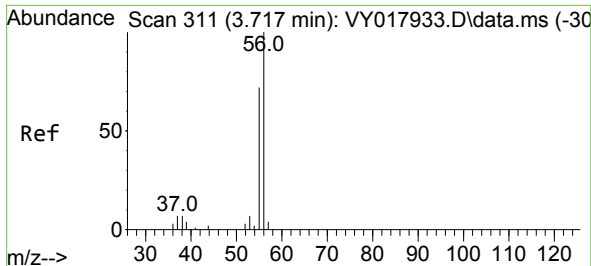
Tgt Ion:168 Resp: 128986
Ion Ratio Lower Upper
168 100
99 46.7 39.1 58.7



#11
Tert butyl alcohol
Concen: 3.681 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.000 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

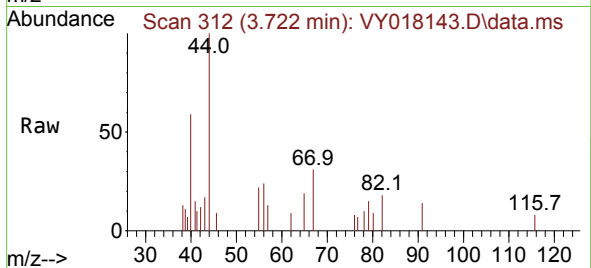
Tgt Ion: 59 Resp: 305
Ion Ratio Lower Upper
59 100
57 35.4 3.0 4.6#



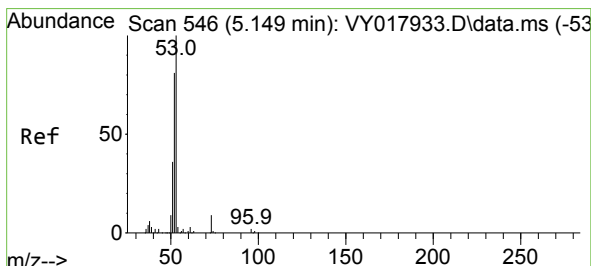
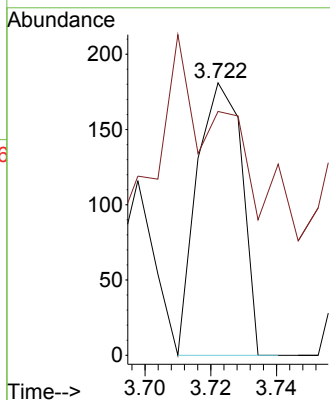
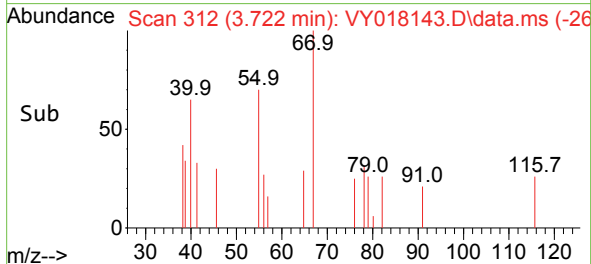


#13
Acrolein
Concen: 1.395 ug/l
RT: 3.722 min Scan# 311
Delta R.T. -0.007 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

Instrument :
MSVOA_Y
ClientSampleId :

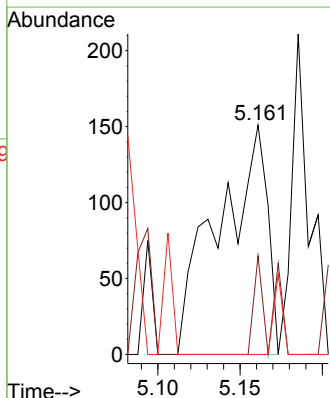
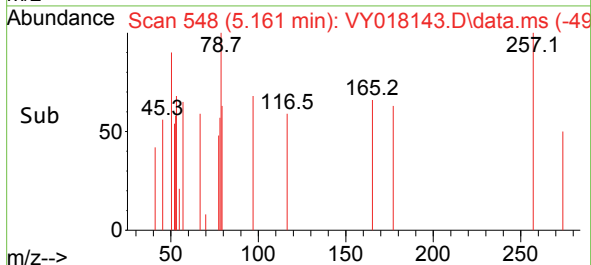
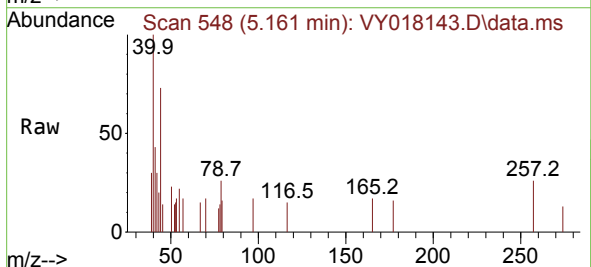


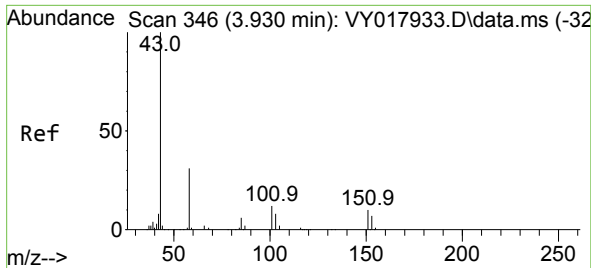
Tgt Ion: 56 Resp: 172
Ion Ratio Lower Upper
56 100
55 91.3 55.7 83.5#



#15
Acrylonitrile
Concen: 1.322 ug/l
RT: 5.161 min Scan# 548
Delta R.T. -0.000 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

Tgt Ion: 53 Resp: 309
Ion Ratio Lower Upper
53 100
52 14.9 64.7 97.1#
51 0.0 28.4 42.6#

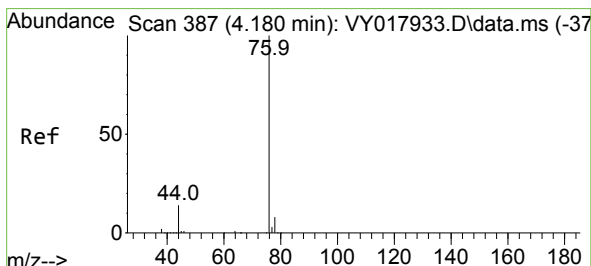
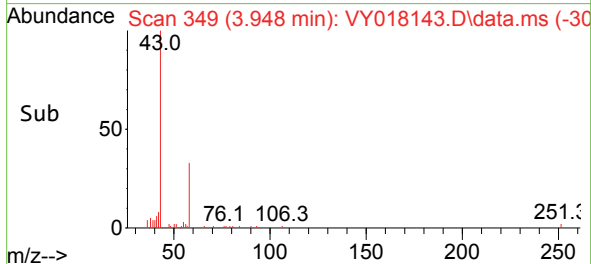
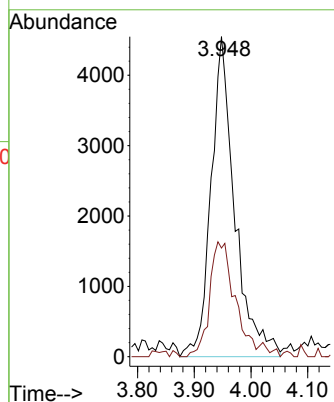
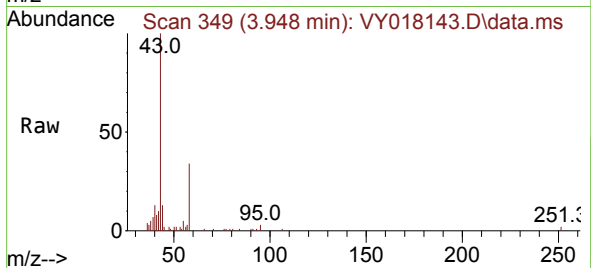




#16
Acetone
Concen: 68.254 ug/l
RT: 3.948 min Scan# 346
Delta R.T. -0.000 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

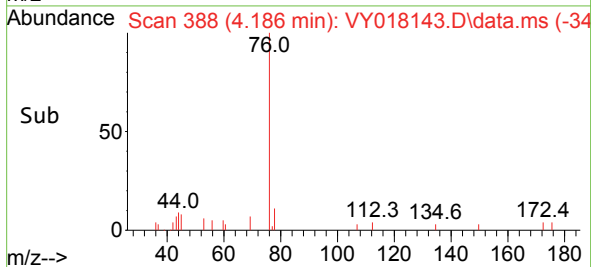
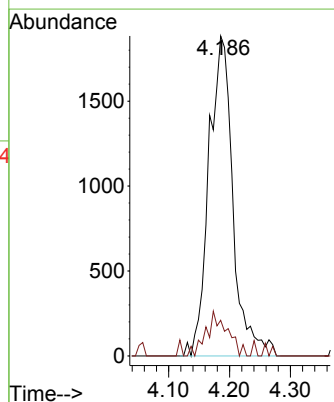
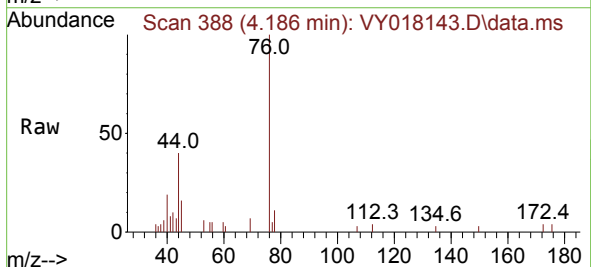
Instrument :
MSVOA_Y
ClientSampleId :

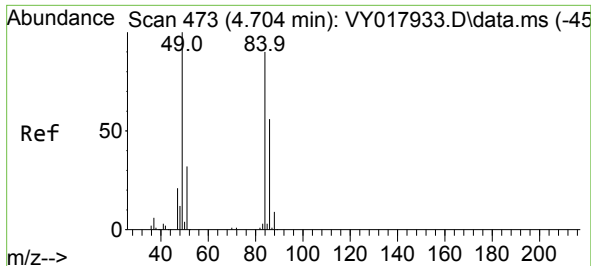
Tgt Ion: 43 Resp: 13220
Ion Ratio Lower Upper
43 100
58 34.0 31.7 47.5



#17
Carbon Disulfide
Concen: 1.404 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

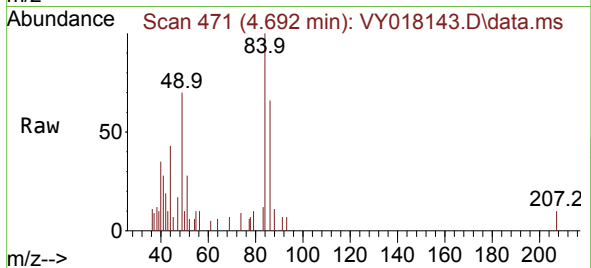
Tgt Ion: 76 Resp: 5171
Ion Ratio Lower Upper
76 100
78 11.1 6.8 10.2#



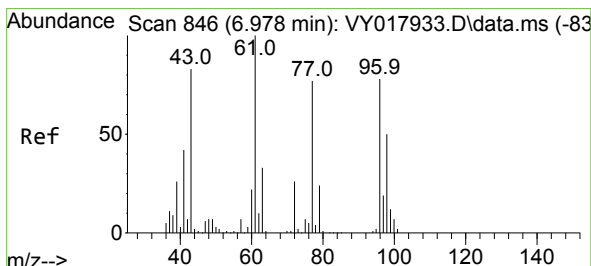
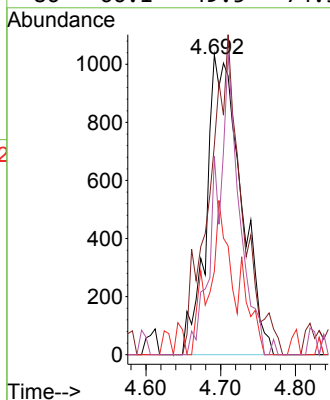
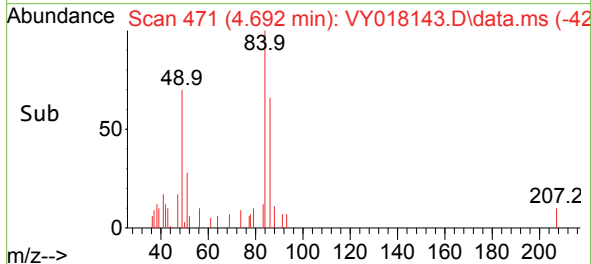


#20
Methylene Chloride
Concen: 2.451 ug/l
RT: 4.692 min Scan# 471
Delta R.T. -0.024 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

Instrument :
MSVOA_Y
ClientSampleId :

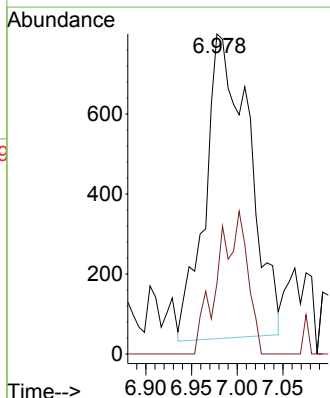
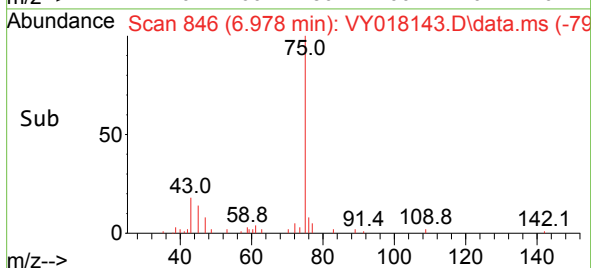
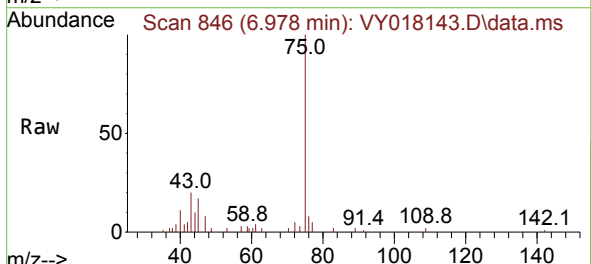


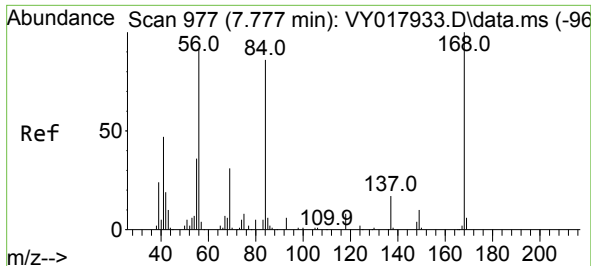
Tgt Ion: 84 Resp: 3327
Ion Ratio Lower Upper
84 100
49 69.9 84.4 126.6#
51 27.8 26.0 39.0
86 66.1 49.5 74.3



#25
2-Butanone
Concen: 8.413 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

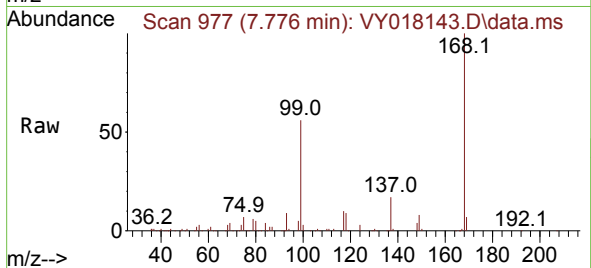
Tgt Ion: 43 Resp: 2535
Ion Ratio Lower Upper
43 100
72 23.6 27.3 40.9#



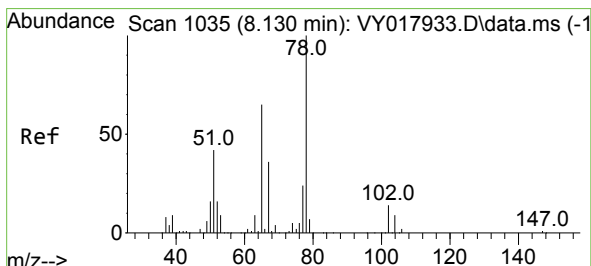
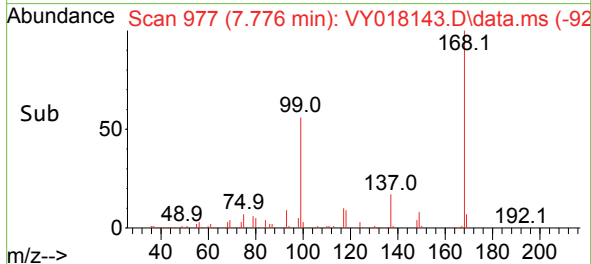
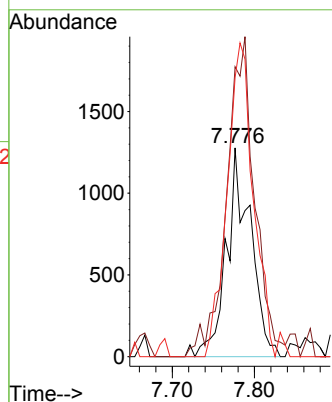


#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

Instrument :
MSVOA_Y
ClientSampleId :

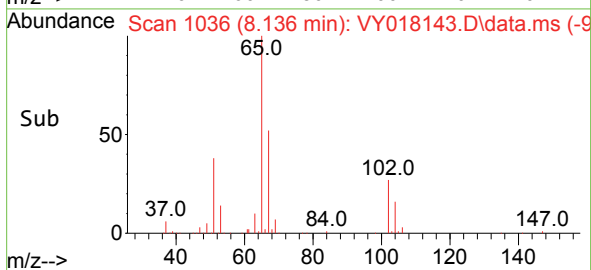
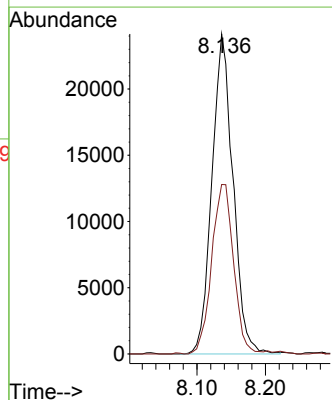
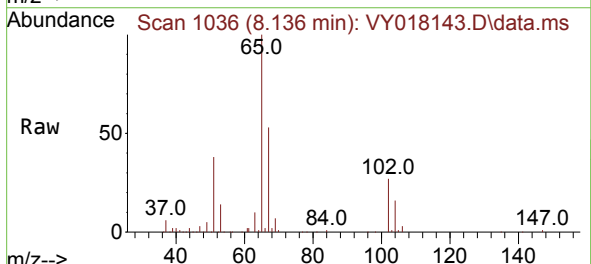


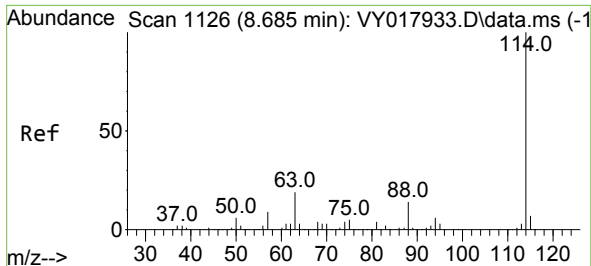
Tgt Ion: 56 Resp: 2629
Ion Ratio Lower Upper
56 100
69 138.8 28.7 43.1#
84 133.6 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 50.750 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

Tgt Ion: 65 Resp: 51598
Ion Ratio Lower Upper
65 100
67 55.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY018143.D

Acq: 03 May 2024 15:21

Instrument :

MSVOA_Y

ClientSampleId :

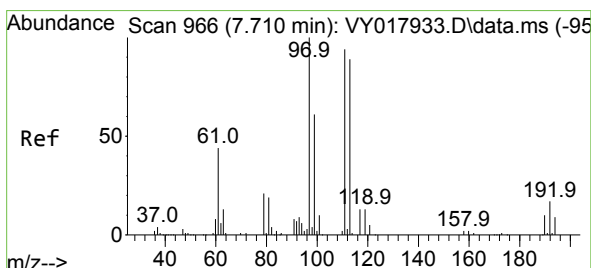
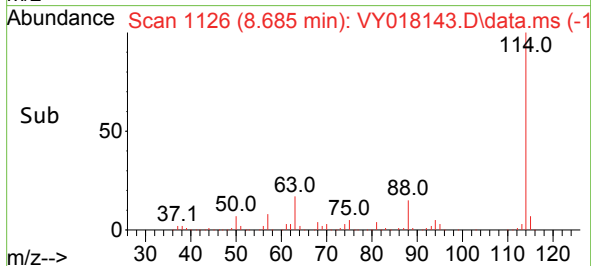
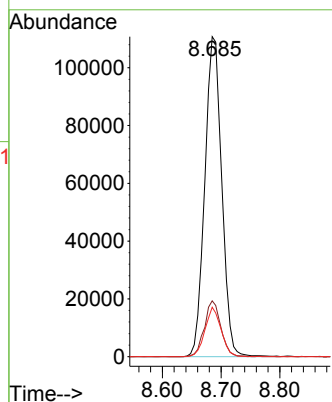
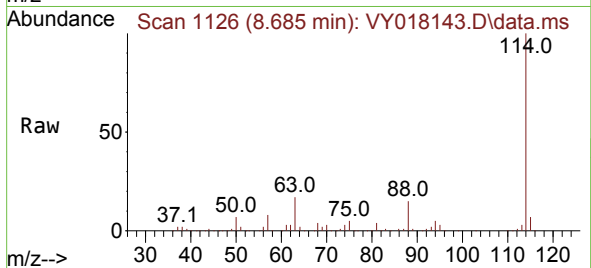
Tgt Ion:114 Resp: 222187

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 15.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.677 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.007 min

Lab File: VY018143.D

Acq: 03 May 2024 15:21

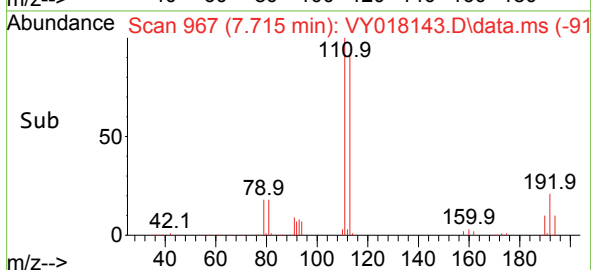
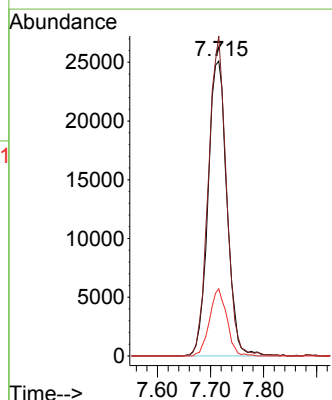
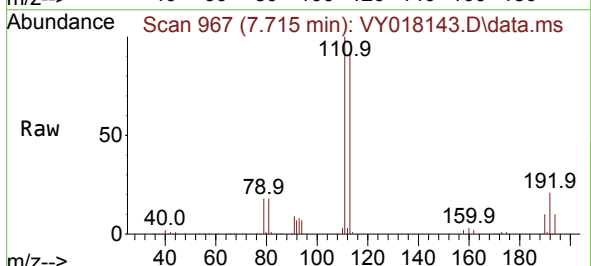
Tgt Ion:113 Resp: 62153

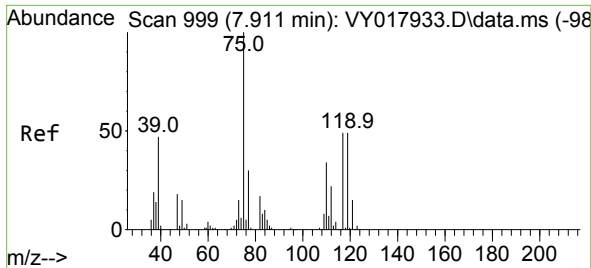
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

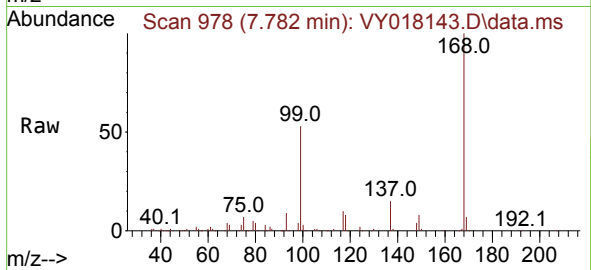
192 20.8 15.9 23.9



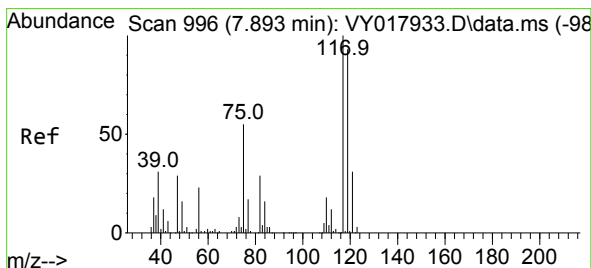
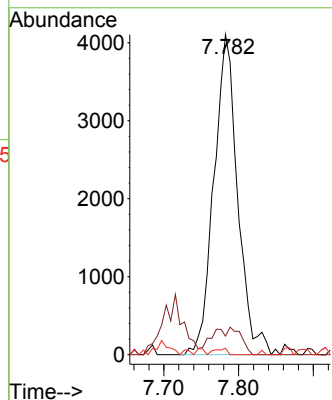
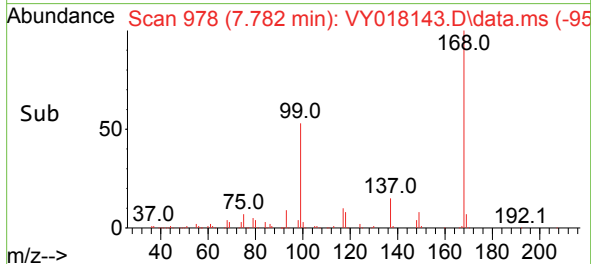


#36
 1,1-Dichloropropene
 Concen: 5.335 ug/l
 RT: 7.782 min Scan# 913
 Delta R.T. -0.135 min
 Lab File: VY018143.D
 Acq: 03 May 2024 15:21

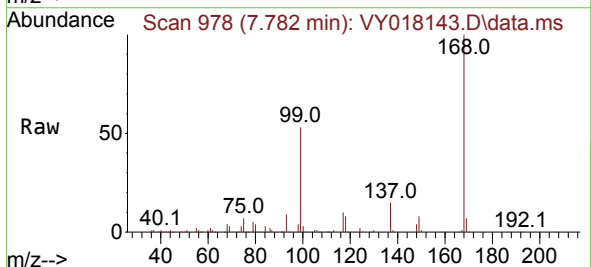
Instrument :
 MSVOA_Y
 ClientSampleId :



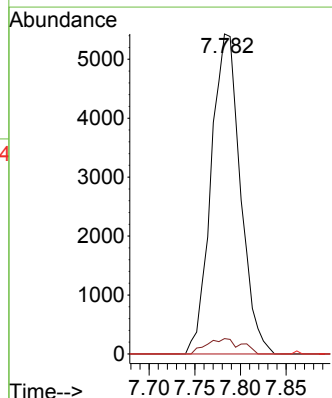
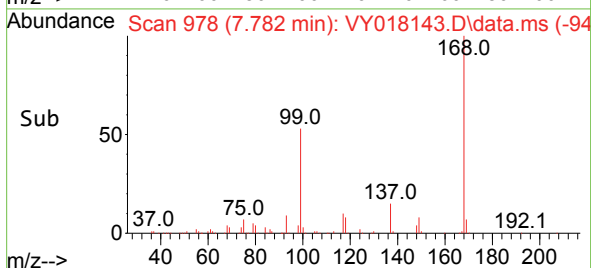
Tgt Ion: 75 Resp: 9093
 Ion Ratio Lower Upper
 75 100
 110 3.8 19.0 57.0#
 77 1.0 25.3 37.9#

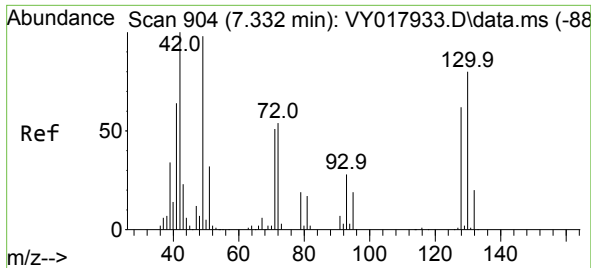


#38
 Carbon Tetrachloride
 Concen: 6.251 ug/l
 RT: 7.782 min Scan# 978
 Delta R.T. -0.123 min
 Lab File: VY018143.D
 Acq: 03 May 2024 15:21



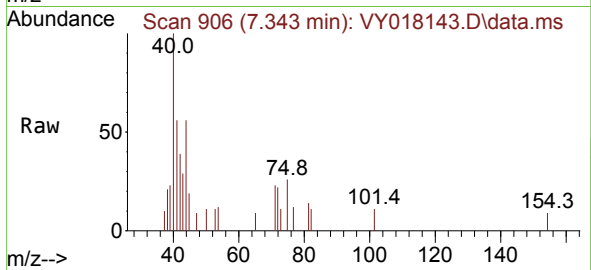
Tgt Ion: 117 Resp: 12093
 Ion Ratio Lower Upper
 117 100
 119 4.8 75.8 113.6#
 121 0.0 24.0 36.0#



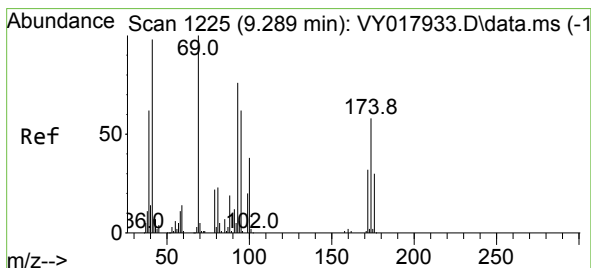
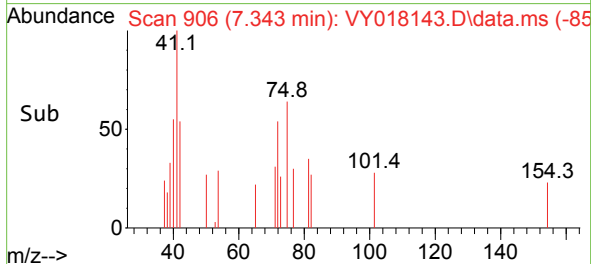
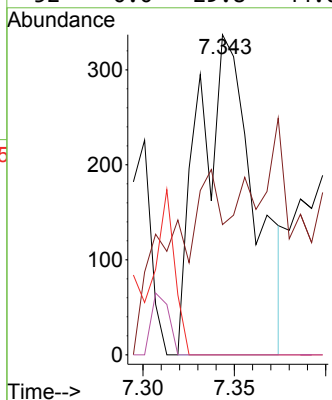


#41
Methacrylonitrile
Concen: 1.619 ug/l
RT: 7.343 min Scan# 904
Delta R.T. 0.011 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

Instrument :
MSVOA_Y
ClientSampleId :

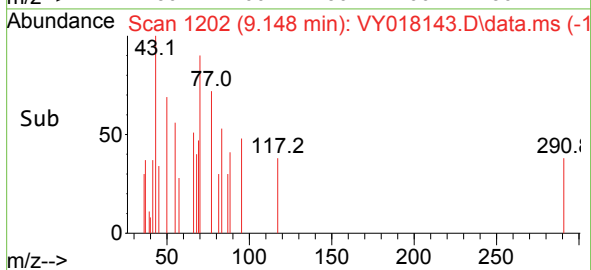
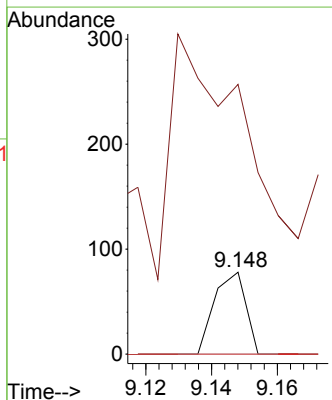
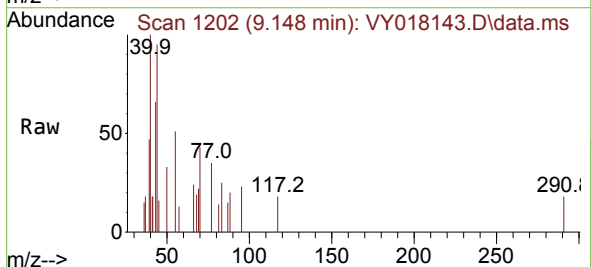


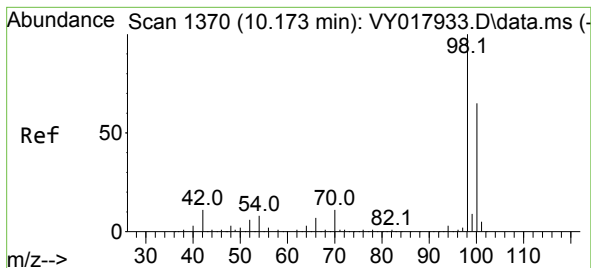
Tgt Ion:	41	Resp:	708
Ion	Ratio	Lower	Upper
41	100		
39	55.1	48.0	72.0
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#



#49
1,4-Dioxane
Concen: 6.451 ug/l
RT: 9.148 min Scan# 1202
Delta R.T. -0.153 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

Tgt Ion:	88	Resp:	52
Ion	Ratio	Lower	Upper
88	100		
43	863.5	0.0	0.0#
58	0.0	49.3	73.9#

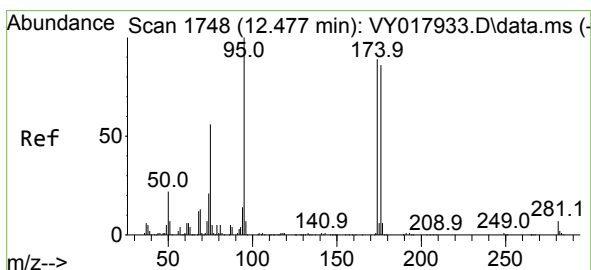
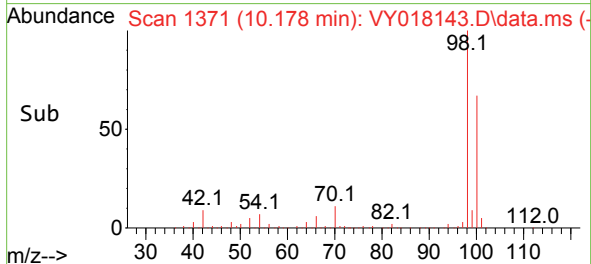
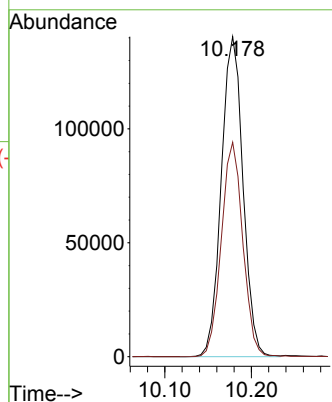
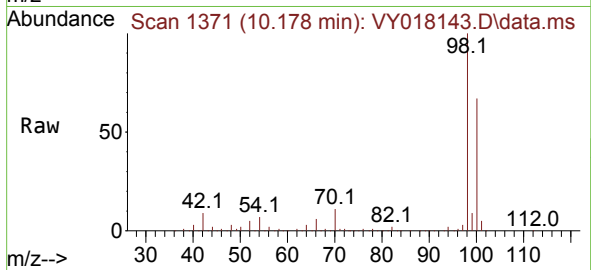




#50
Toluene-d8
Concen: 49.027 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

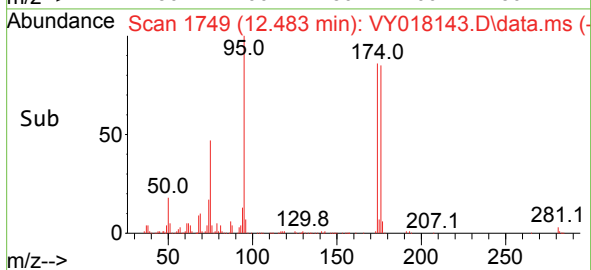
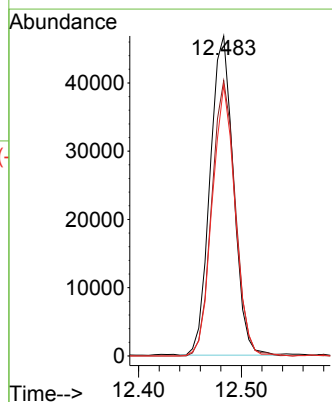
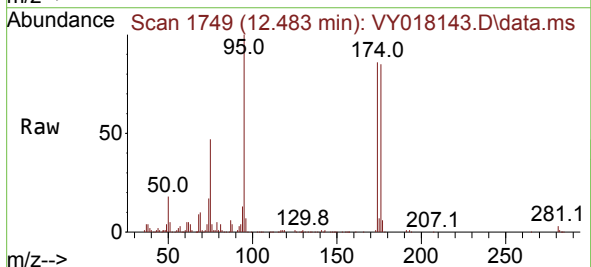
Instrument :
MSVOA_Y
ClientSampleId :

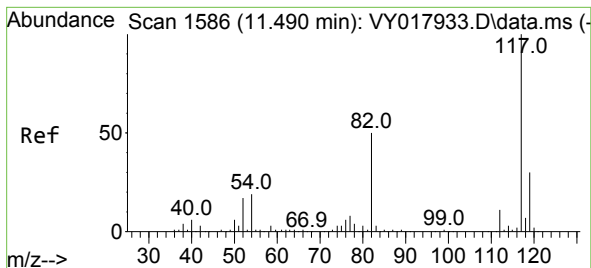
Tgt Ion: 98 Resp: 244384
Ion Ratio Lower Upper
98 100
100 66.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 43.042 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

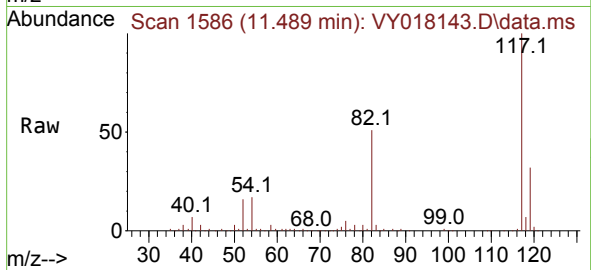
Tgt Ion: 95 Resp: 73836
Ion Ratio Lower Upper
95 100
174 86.9 0.0 175.6
176 83.3 0.0 171.4



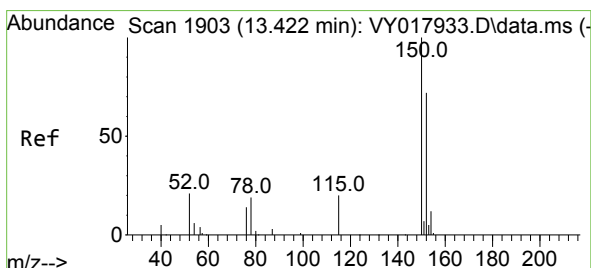
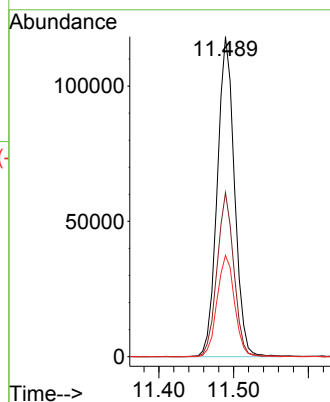
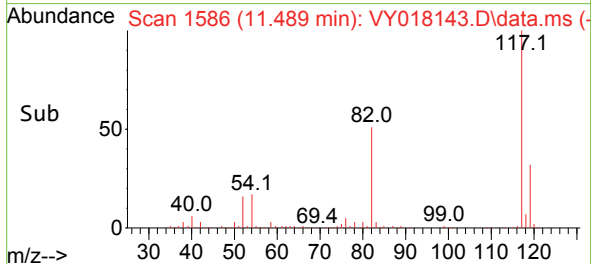


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21

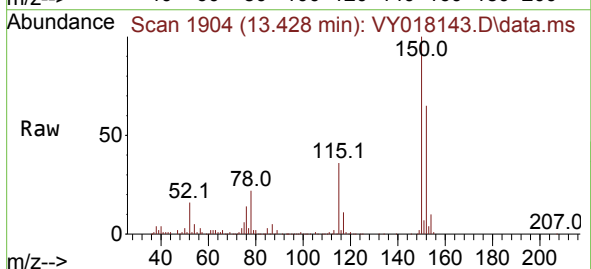
Instrument :
MSVOA_Y
ClientSampleId :



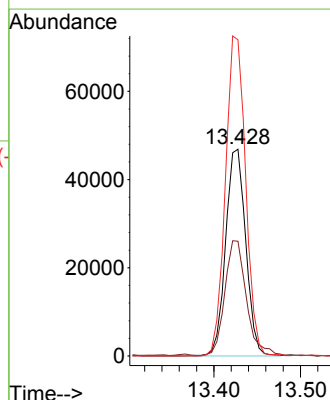
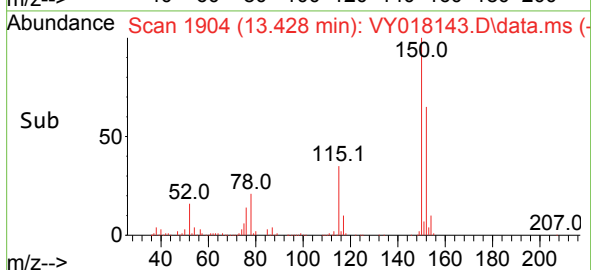
Tgt Ion:117 Resp: 189014
Ion Ratio Lower Upper
117 100
82 51.3 42.4 63.6
119 31.6 25.9 38.9

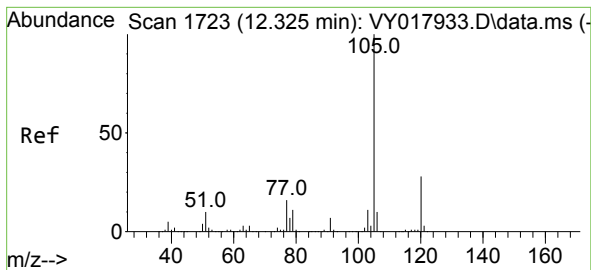


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY018143.D
Acq: 03 May 2024 15:21



Tgt Ion:152 Resp: 75614
Ion Ratio Lower Upper
152 100
115 59.7 28.2 84.7
150 155.4 0.0 345.6





#73

Isopropylbenzene

Concen: 1.174 ug/l

RT: 12.330 min Scan# 1724

Delta R.T. -0.001 min

Lab File: VY018143.D

Acq: 03 May 2024 15:21

Instrument :

MSVOA_Y

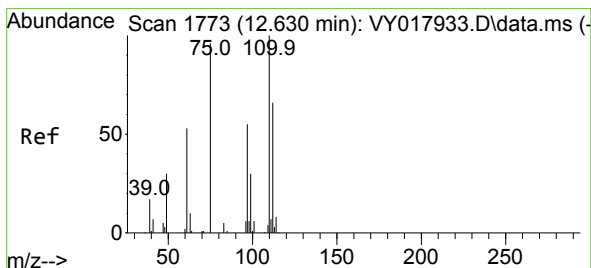
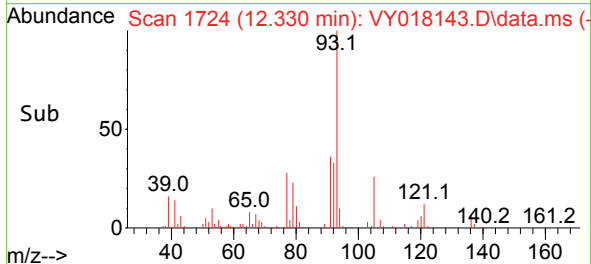
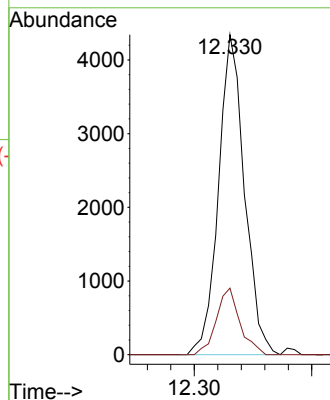
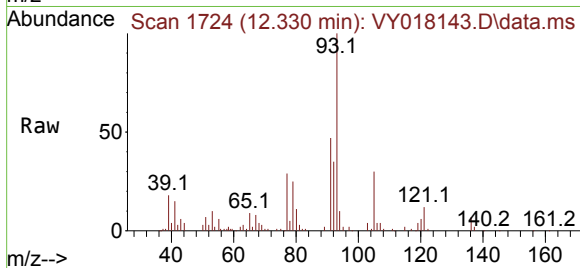
ClientSampleId :

Tgt Ion:105 Resp: 6681

Ion Ratio Lower Upper

105 100

120 18.9 13.4 40.1



#76

1,2,3-Trichloropropane

Concen: 56.911 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY018143.D

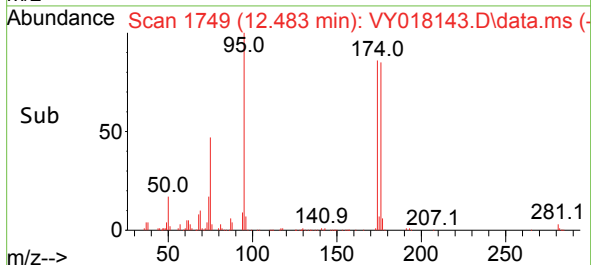
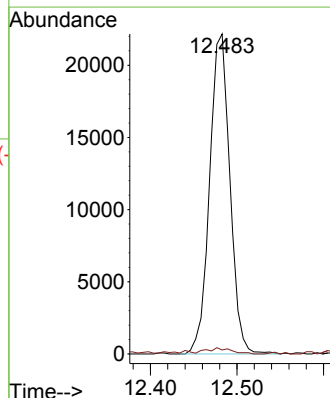
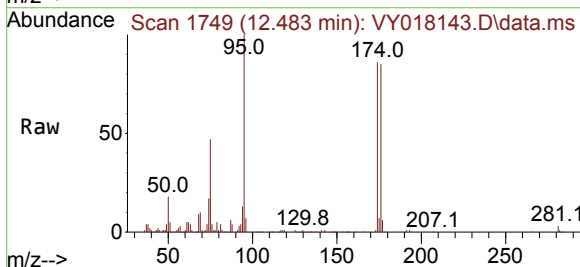
Acq: 03 May 2024 15:21

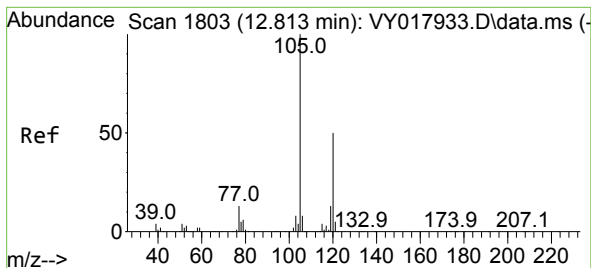
Tgt Ion: 75 Resp: 36115

Ion Ratio Lower Upper

75 100

77 2.3 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 2.294 ug/l

RT: 12.812 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018143.D

Acq: 03 May 2024 15:21

Instrument :

MSVOA_Y

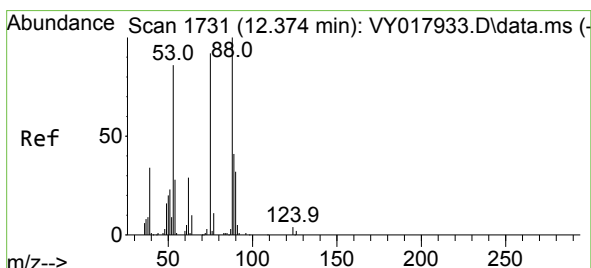
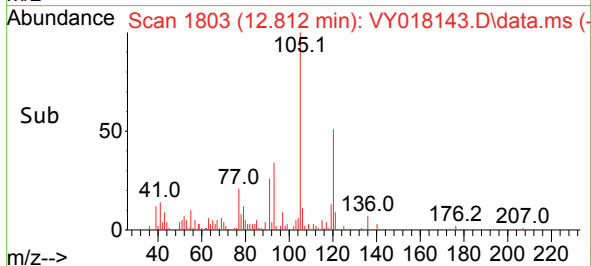
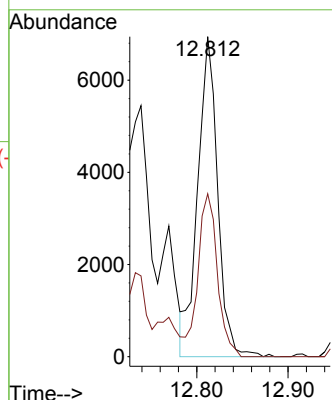
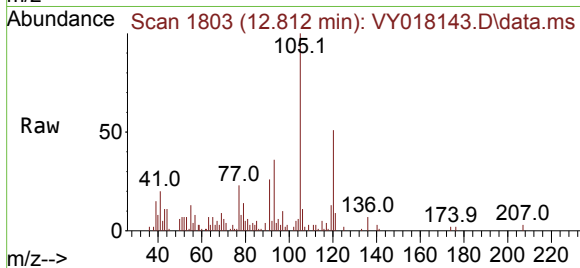
ClientSampleId :

Tgt Ion:105 Resp: 10523

Ion Ratio Lower Upper

105 100

120 48.9 25.1 75.2



#81

trans-1,4-Dichloro-2-butene

Concen: 103.678 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY018143.D

Acq: 03 May 2024 15:21

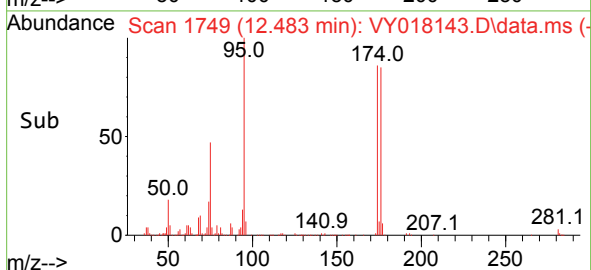
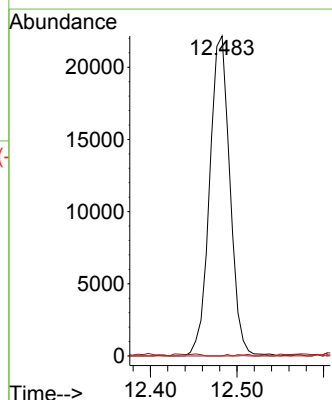
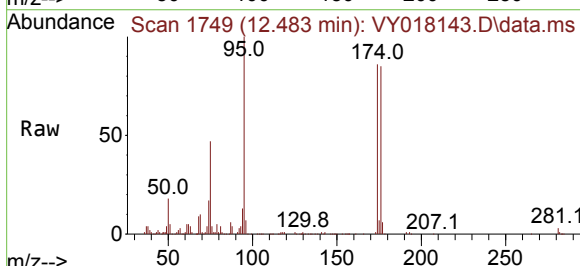
Tgt Ion: 75 Resp: 36115

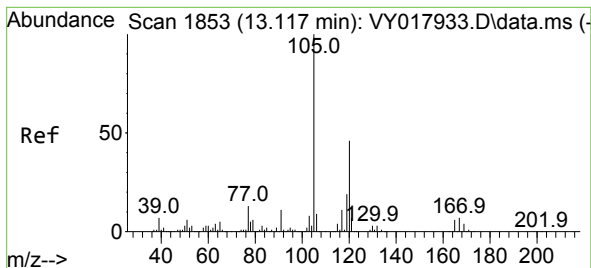
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 7.653 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY018143.D

Acq: 03 May 2024 15:21

Instrument :

MSVOA_Y

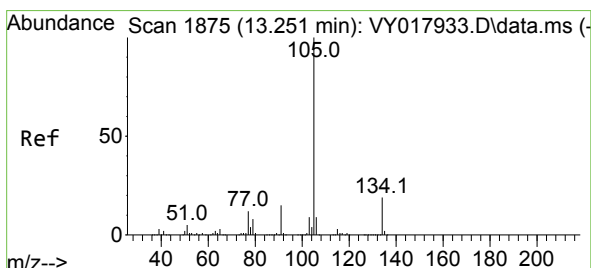
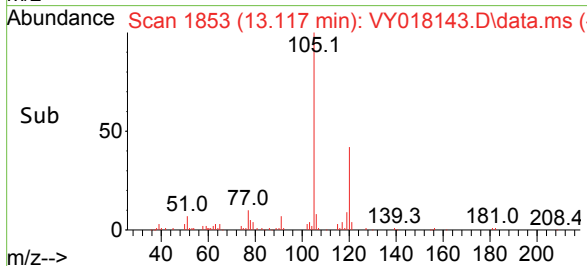
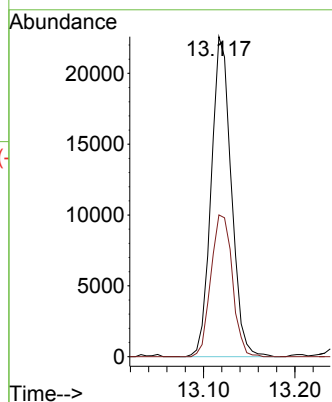
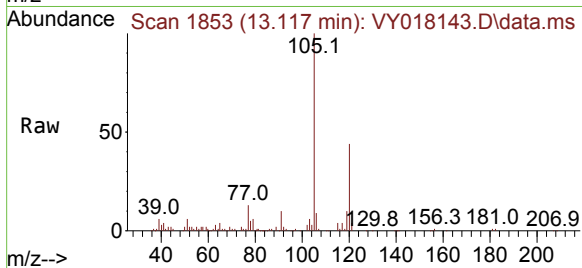
ClientSampleId :

Tgt Ion:105 Resp: 34388

Ion Ratio Lower Upper

105 100

120 47.4 23.2 69.6



#85

sec-Butylbenzene

Concen: 5.707 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.134 min

Lab File: VY018143.D

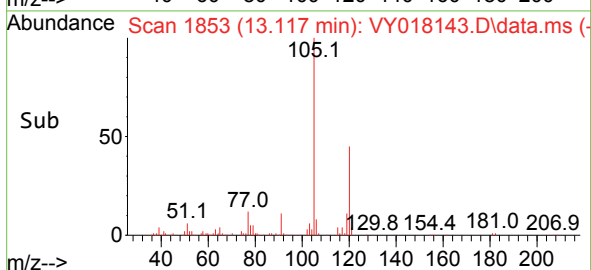
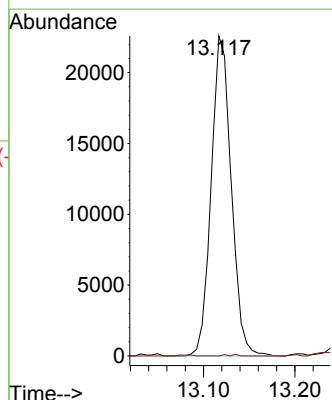
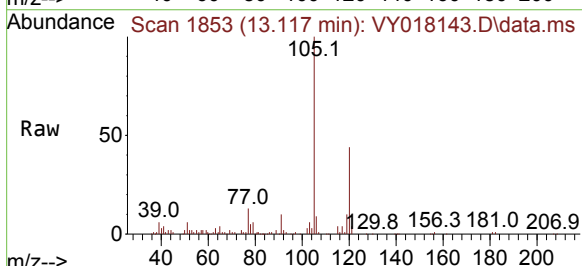
Acq: 03 May 2024 15:21

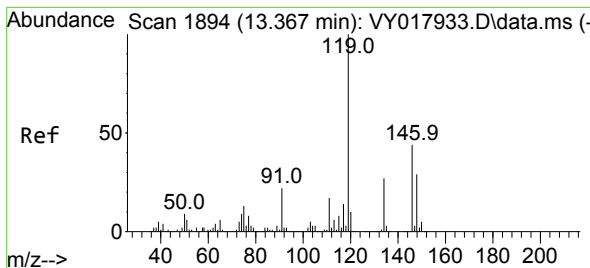
Tgt Ion:105 Resp: 34388

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#





#86

p-Isopropyltoluene

Concen: 1.505 ug/l

RT: 13.592 min Scan# 1931

Delta R.T. 0.225 min

Lab File: VY018143.D

Acq: 03 May 2024 15:21

Instrument :

MSVOA_Y

ClientSampleId :

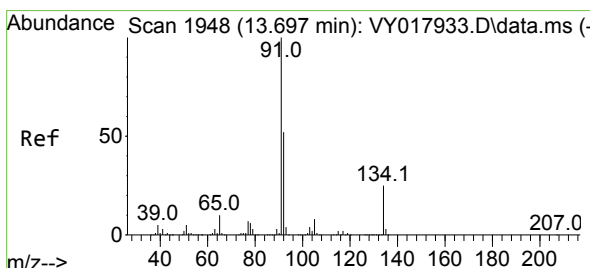
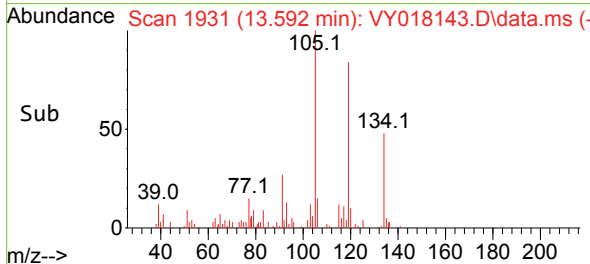
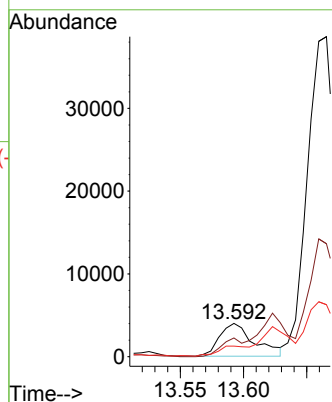
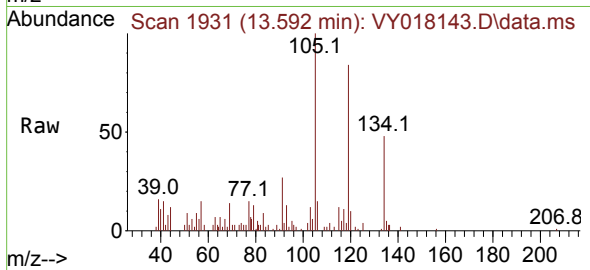
Tgt Ion:119 Resp: 7557

Ion Ratio Lower Upper

119 100

134 34.1 13.1 39.3

91 25.7 10.7 32.1



#89

n-Butylbenzene

Concen: 3.092 ug/l

RT: 13.659 min Scan# 1942

Delta R.T. -0.037 min

Lab File: VY018143.D

Acq: 03 May 2024 15:21

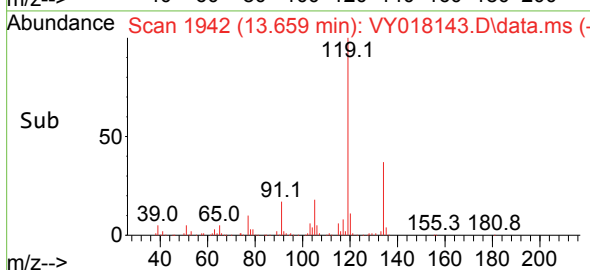
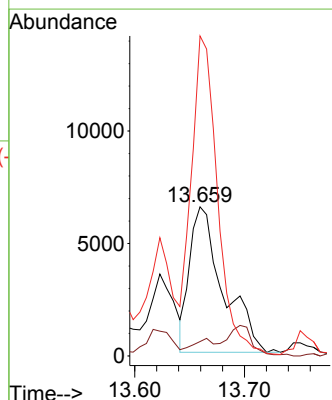
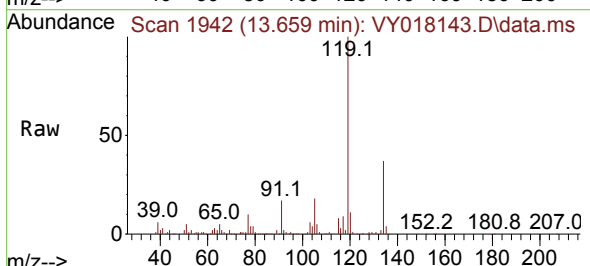
Tgt Ion: 91 Resp: 13743

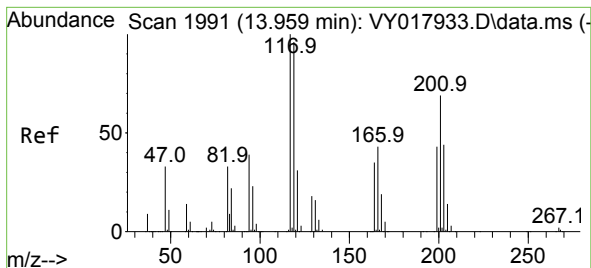
Ion Ratio Lower Upper

91 100

92 5.8 26.6 79.7#

134 169.9 12.9 38.7#





#90

Hexachloroethane

Concen: 6.093 ug/l

RT: 13.970 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY018143.D

Acq: 03 May 2024 15:21

Instrument :

MSVOA_Y

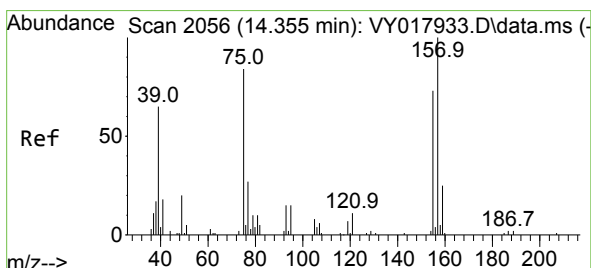
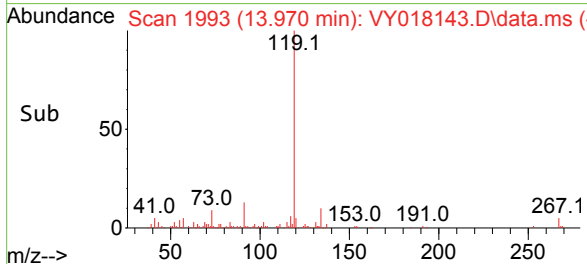
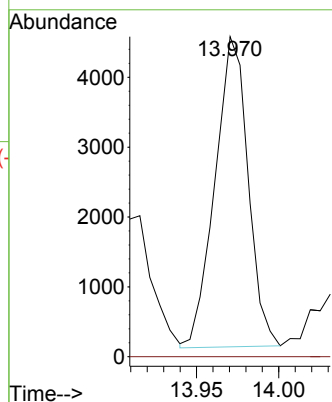
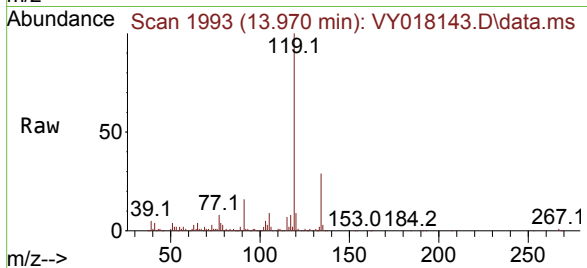
ClientSampleId :

Tgt Ion:117 Resp: 6217

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 6.559 ug/l

RT: 14.336 min Scan# 2053

Delta R.T. -0.019 min

Lab File: VY018143.D

Acq: 03 May 2024 15:21

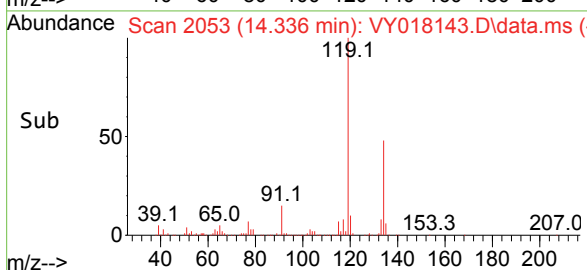
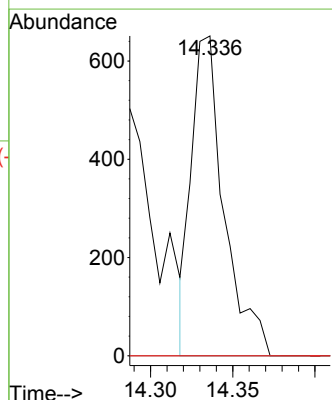
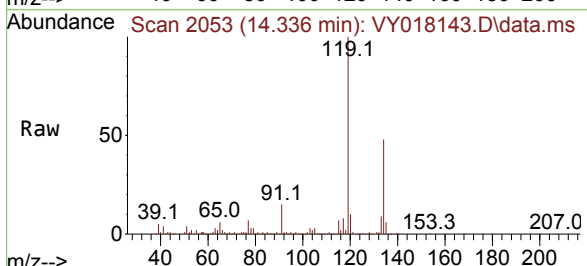
Tgt Ion: 75 Resp: 896

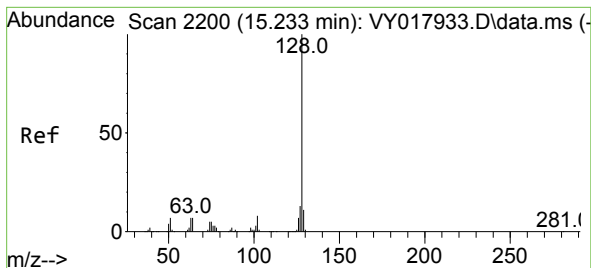
Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.8#

157 0.0 62.7 188.2#





#95

Naphthalene

Concen: 18.746 ug/l

RT: 15.232 min Scan# 21

Delta R.T. -0.000 min

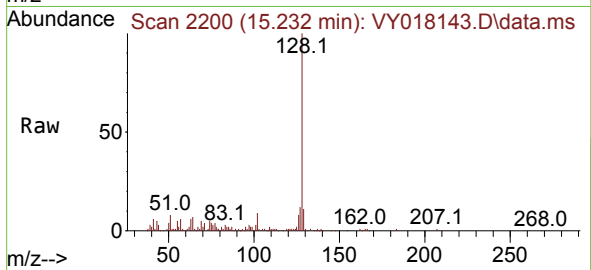
Lab File: VY018143.D

Acq: 03 May 2024 15:21

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 43475

Ion Ratio Lower Upper

128 100

127 13.7 10.6 16.0

129 11.6 8.6 13.0

