

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042424\
 Data File : VY018032.D
 Acq On : 24 Apr 2024 12:03
 Operator : SY/MD
 Sample : P2244-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 25 01:33:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

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

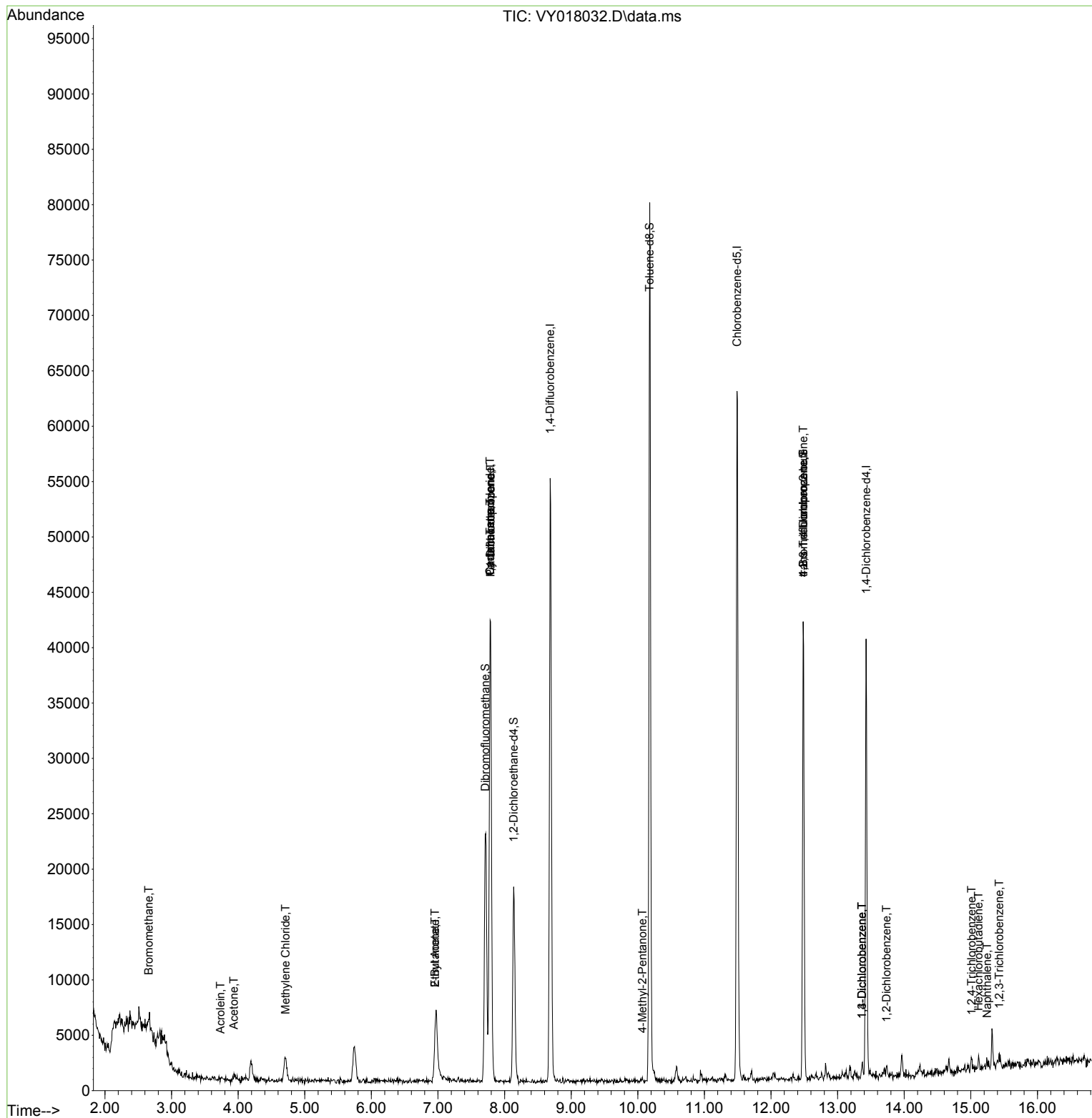
Internal Standards						
1) Pentafluorobenzene	7.789	168	36555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	51292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	38995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	13279	41.977	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.960%
35) Dibromofluoromethane	7.710	113	17659	55.805	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.620%
50) Toluene-d8	10.179	98	54531	45.415	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.820%
62) 4-Bromofluorobenzene	12.483	95	11073	29.776	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.560%
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	636	1.764	ug/l #	66
11) Tert butyl alcohol	4.924	59	45	Below Cal	#	88
13) Acrolein	3.735	56	89	3.612	ug/l #	15
16) Acetone	3.936	43	478	7.647	ug/l #	76
20) Methylene Chloride	4.710	84	1758	4.152	ug/l #	77
25) 2-Butanone	6.954	43	194	2.112	ug/l #	41
31) Cyclohexane	7.783	56	651	1.077	ug/l #	37
36) 1,1-Dichloropropene	7.789	75	2459	5.343	ug/l #	47
37) Ethyl Acetate	6.954	43	194	1.025	ug/l #	67
38) Carbon Tetrachloride	7.783	117	3182	6.844	ug/l #	16
51) 4-Methyl-2-Pentanone	10.069	43	257	1.374	ug/l #	52
76) 1,2,3-Trichloropropane	12.483	75	5796	55.846	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	5796	115.144	ug/l #	16
87) 1,3-Dichlorobenzene	13.367	146	604	1.561	ug/l	91
88) 1,4-Dichlorobenzene	13.367	146	604	1.590	ug/l	90
91) 1,2-Dichlorobenzene	13.733	146	529	1.585	ug/l	78
93) 1,2,4-Trichlorobenzene	15.013	180	461	2.371	ug/l	90
94) Hexachlorobutadiene	15.117	225	270	2.341	ug/l	87
95) Naphthalene	15.245	128	758	2.366	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.428	180	580	3.556	ug/l	88

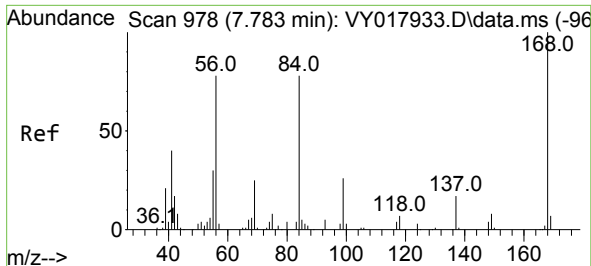
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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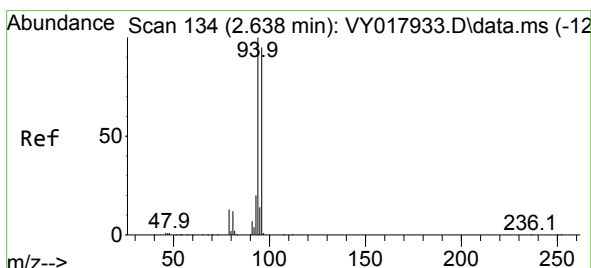
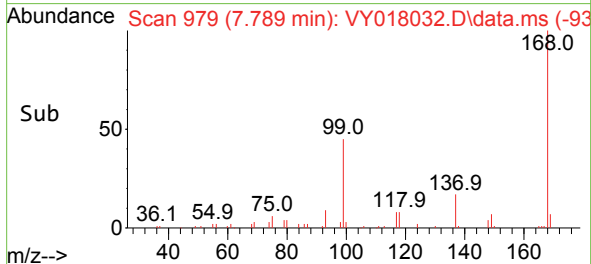
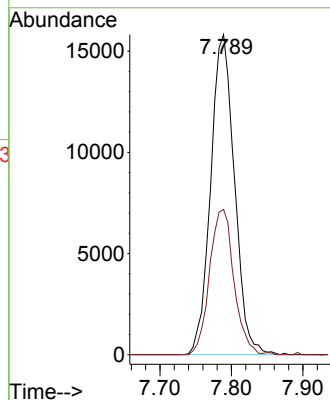
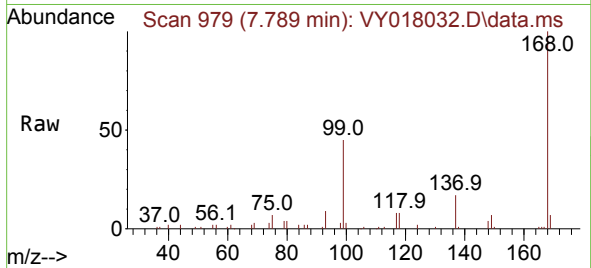




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018032.D
Acq: 24 Apr 2024 12:03

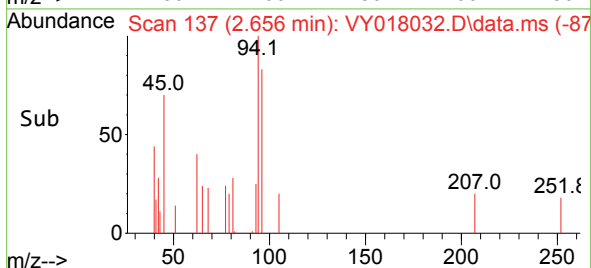
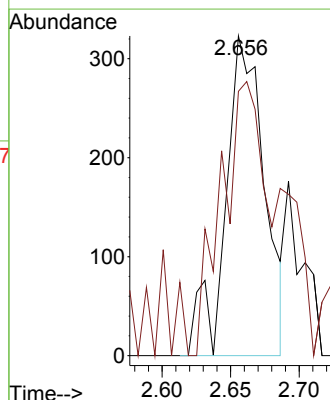
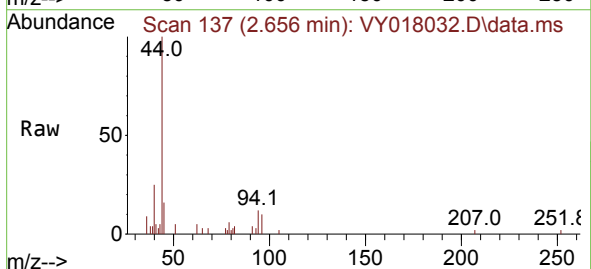
Instrument :
MSVOA_Y
ClientSampleId :

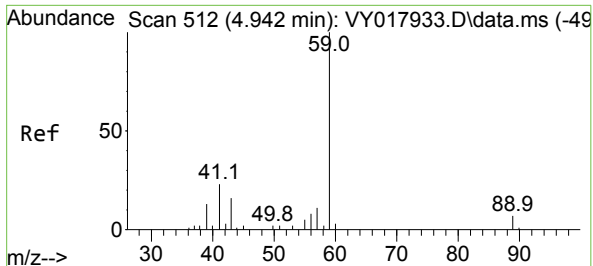
Tgt Ion:168 Resp: 36555
Ion Ratio Lower Upper
168 100
99 45.4 39.1 58.7



#5
Bromomethane
Concen: 1.764 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.006 min
Lab File: VY018032.D
Acq: 24 Apr 2024 12:03

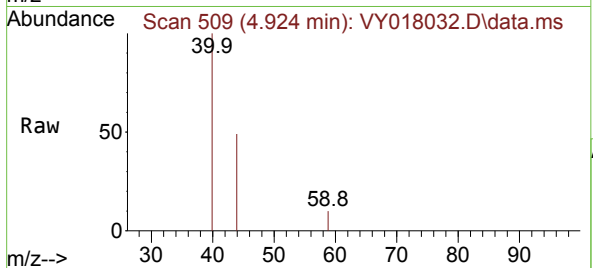
Tgt Ion: 94 Resp: 636
Ion Ratio Lower Upper
94 100
96 59.8 74.1 111.1#



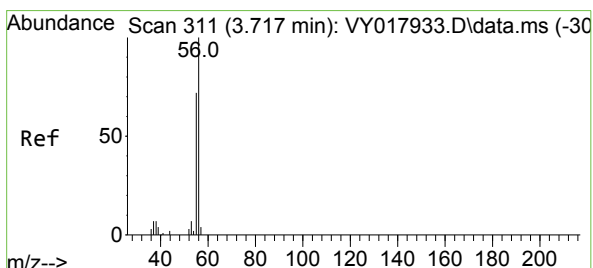
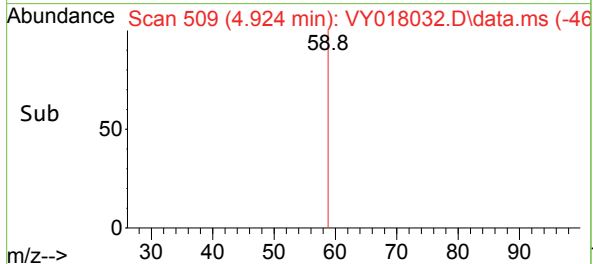
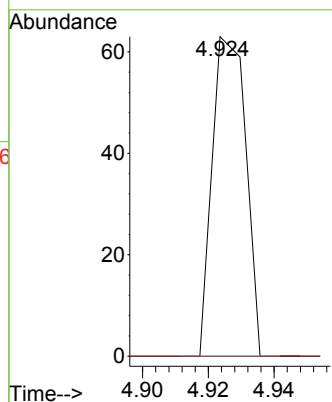


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY018032.D
Acq: 24 Apr 2024 12:03

Instrument :
MSVOA_Y
ClientSampleId :

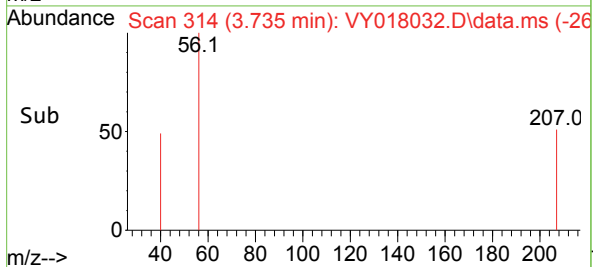
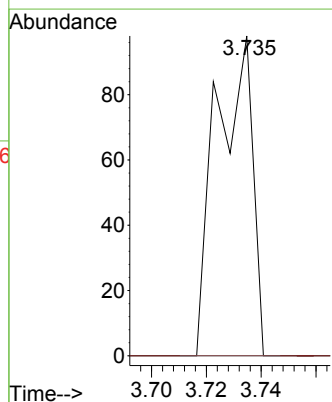
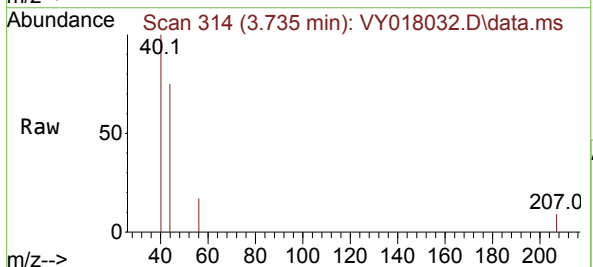


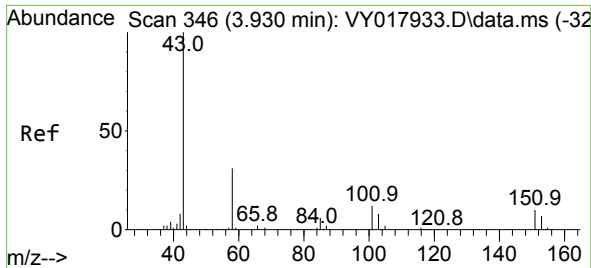
Tgt Ion: 59 Resp: 45
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#13
Acrolein
Concen: 3.612 ug/l
RT: 3.735 min Scan# 314
Delta R.T. 0.006 min
Lab File: VY018032.D
Acq: 24 Apr 2024 12:03

Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#





#16

Acetone

Concen: 7.647 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY018032.D

Acq: 24 Apr 2024 12:03

Instrument :

MSVOA_Y

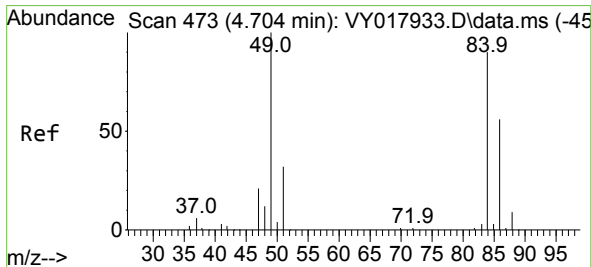
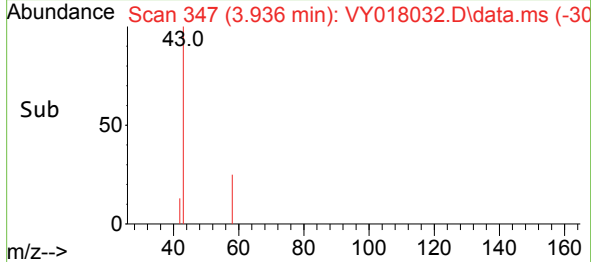
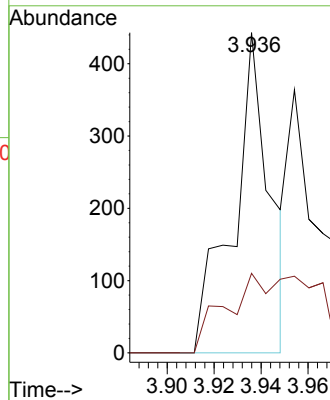
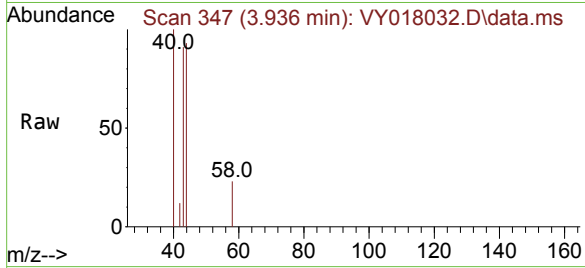
ClientSampleId :

Tgt Ion: 43 Resp: 478

Ion Ratio Lower Upper

43 100

58 24.8 31.7 47.5#



#20

Methylene Chloride

Concen: 4.152 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY018032.D

Acq: 24 Apr 2024 12:03

Tgt Ion: 84 Resp: 1758

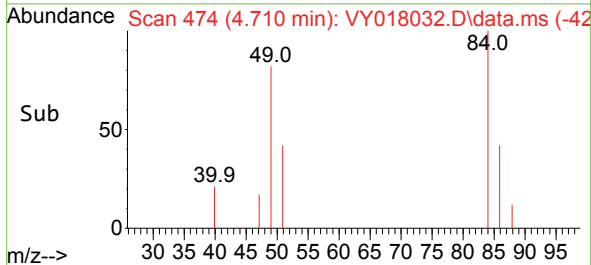
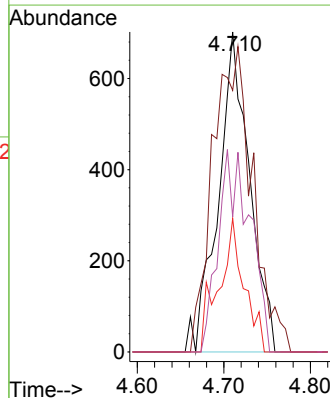
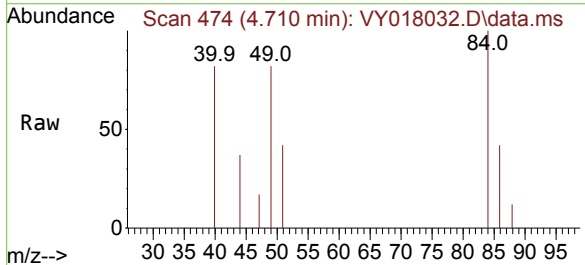
Ion Ratio Lower Upper

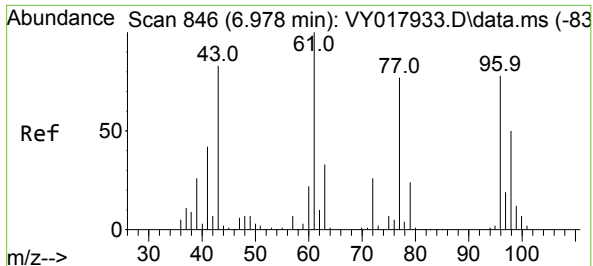
84 100

49 81.8 84.4 126.6#

51 41.7 26.0 39.0#

86 42.2 49.5 74.3#





#25

2-Butanone

Concen: 2.112 ug/l

RT: 6.954 min Scan# 84

Delta R.T. -0.030 min

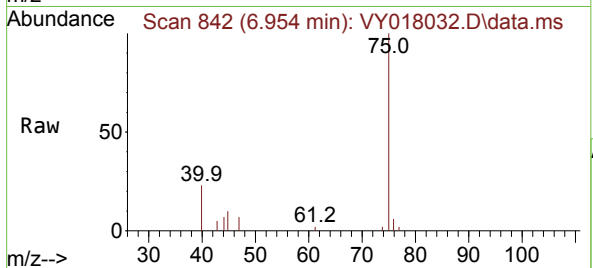
Lab File: VY018032.D

Acq: 24 Apr 2024 12:03

Instrument :

MSVOA_Y

ClientSampleId :

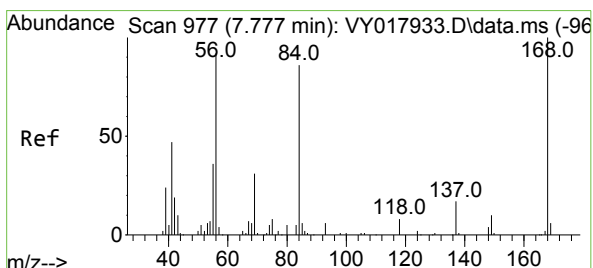
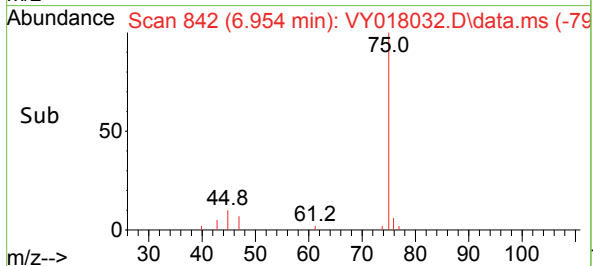
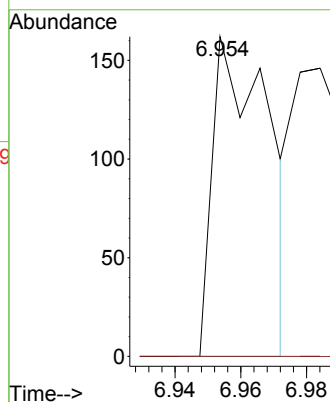


Tgt Ion: 43 Resp: 194

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.077 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.000 min

Lab File: VY018032.D

Acq: 24 Apr 2024 12:03

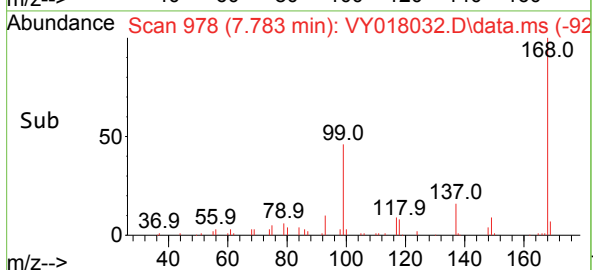
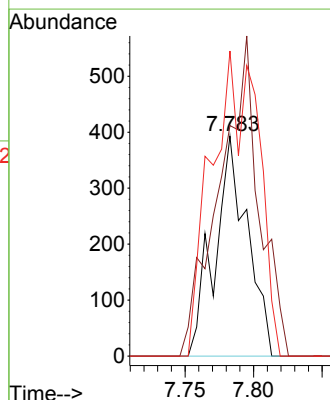
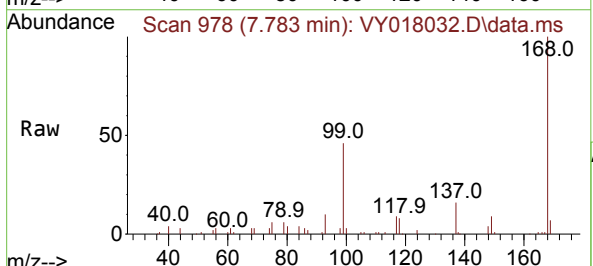
Tgt Ion: 56 Resp: 651

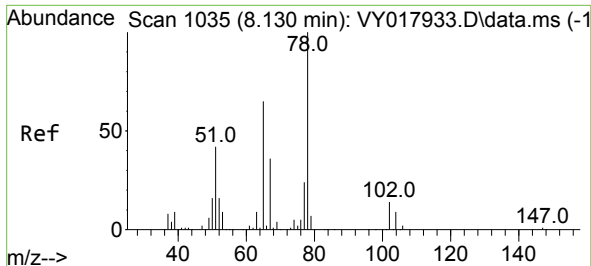
Ion Ratio Lower Upper

56 100

69 104.8 28.7 43.1#

84 138.7 77.7 116.5#

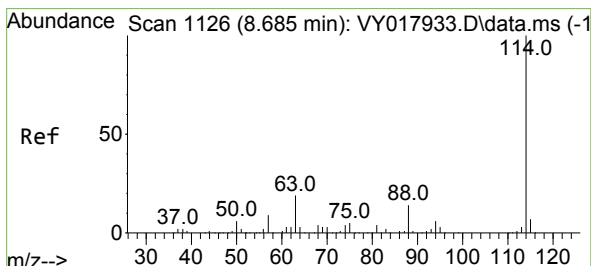
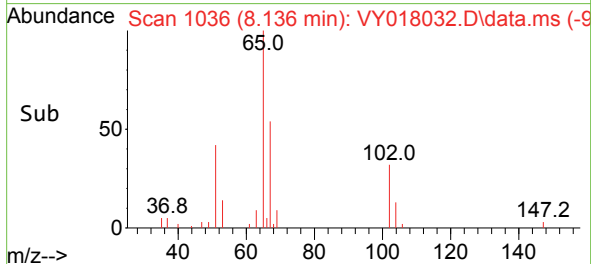
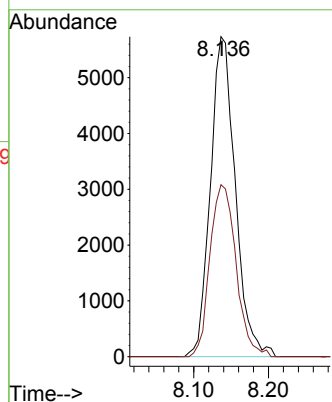
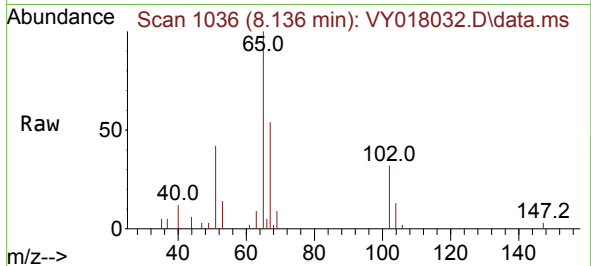




#33
1,2-Dichloroethane-d4
Concen: 41.977 ug/l
RT: 8.136 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY018032.D
Acq: 24 Apr 2024 12:03

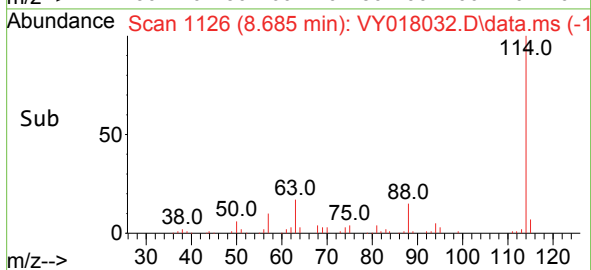
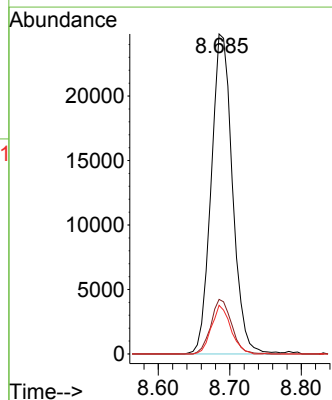
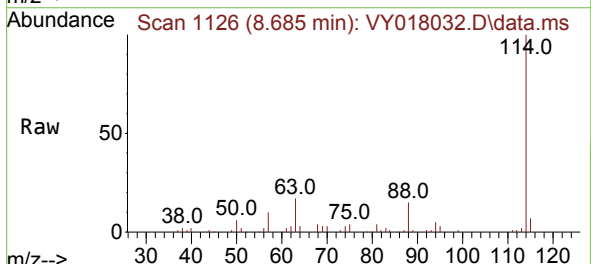
Instrument :
MSVOA_Y
ClientSampleId :

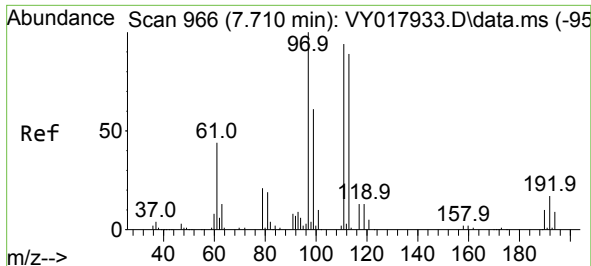
Tgt Ion: 65 Resp: 13279
Ion Ratio Lower Upper
65 100
67 56.3 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY018032.D
Acq: 24 Apr 2024 12:03

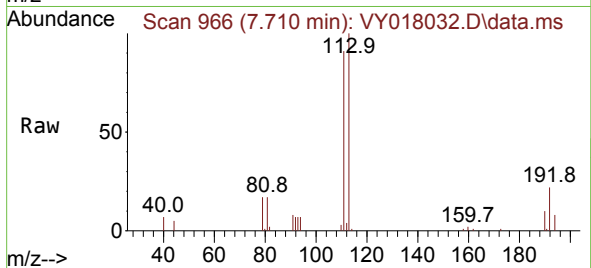
Tgt Ion:114 Resp: 51292
Ion Ratio Lower Upper
114 100
63 17.1 0.0 35.0
88 15.2 0.0 27.2



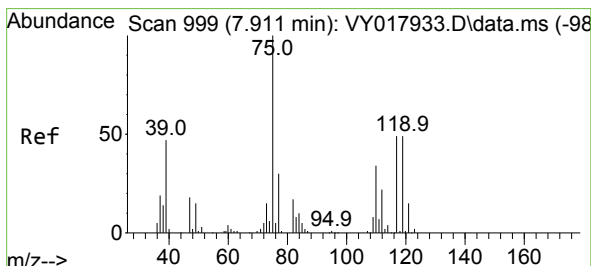
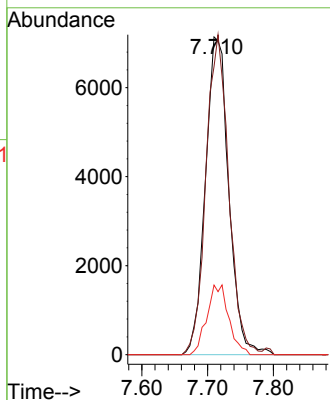
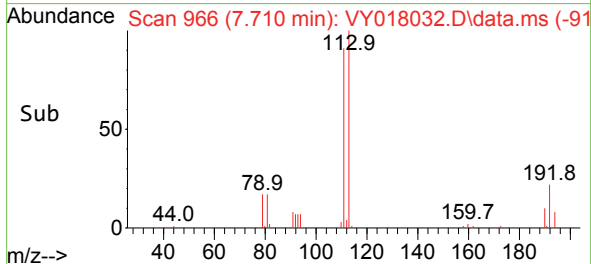


#35
Dibromofluoromethane
Concen: 55.805 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY018032.D
Acq: 24 Apr 2024 12:03

Instrument :
MSVOA_Y
ClientSampleId :

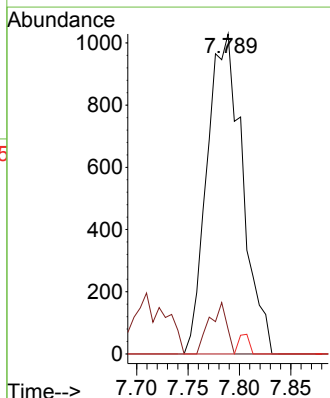
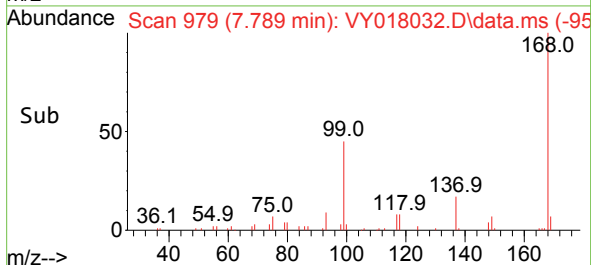
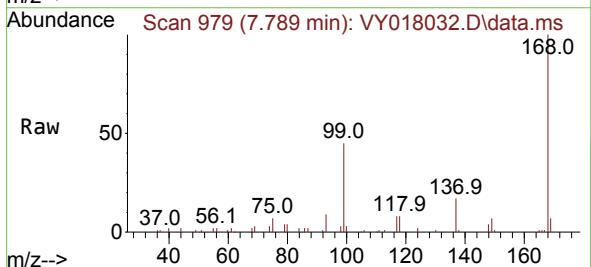


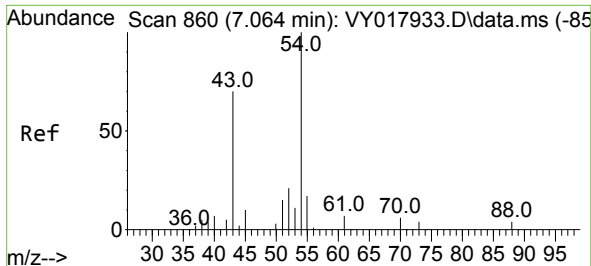
Tgt Ion:113 Resp: 17659
Ion Ratio Lower Upper
113 100
111 98.1 82.2 123.4
192 20.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.343 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY018032.D
Acq: 24 Apr 2024 12:03

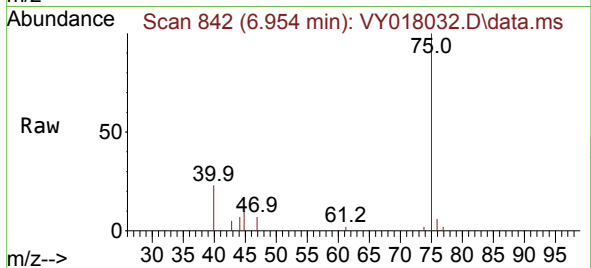
Tgt Ion: 75 Resp: 2459
Ion Ratio Lower Upper
75 100
110 7.8 19.0 57.0#
77 0.0 25.3 37.9#



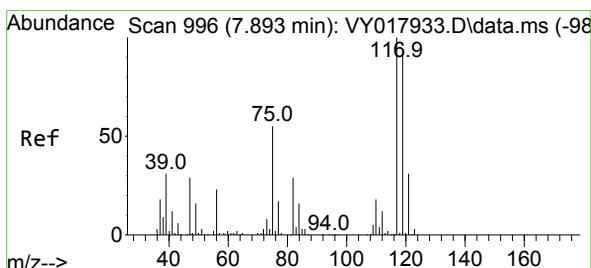
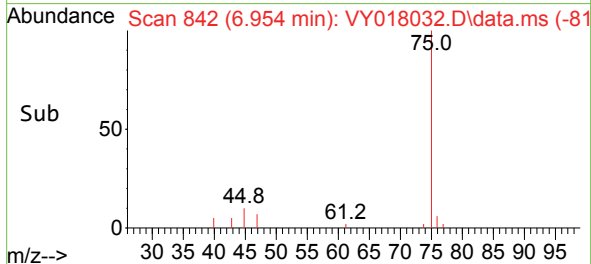
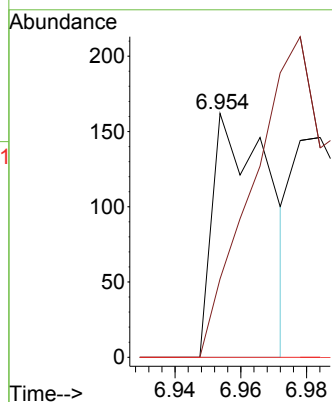


#37
Ethyl Acetate
Concen: 1.025 ug/l
RT: 6.954 min Scan# 84
Delta R.T. -0.122 min
Lab File: VY018032.D
Acq: 24 Apr 2024 12:03

Instrument :
MSVOA_Y
ClientSampleId :

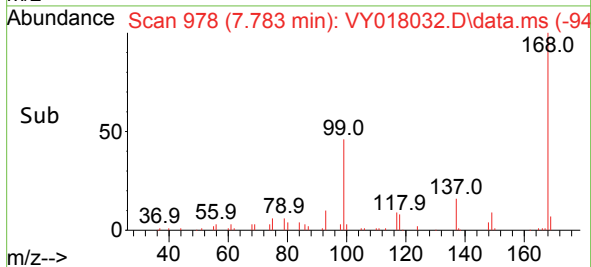
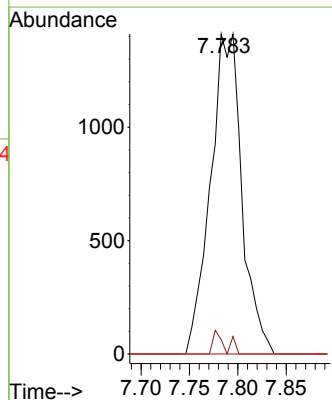
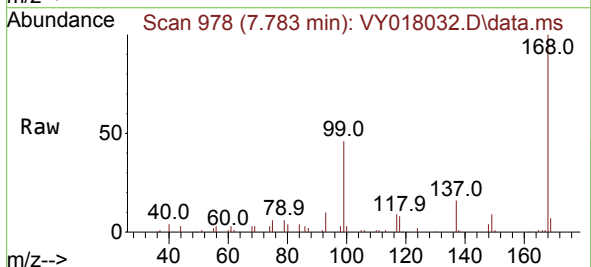


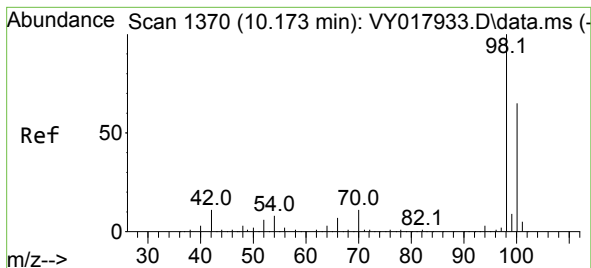
Tgt Ion: 43 Resp: 194
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 6.844 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY018032.D
Acq: 24 Apr 2024 12:03

Tgt Ion: 117 Resp: 3182
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 45.415 ug/l

RT: 10.179 min Scan# 1370

Delta R.T. 0.000 min

Lab File: VY018032.D

Acq: 24 Apr 2024 12:03

Instrument :

MSVOA_Y

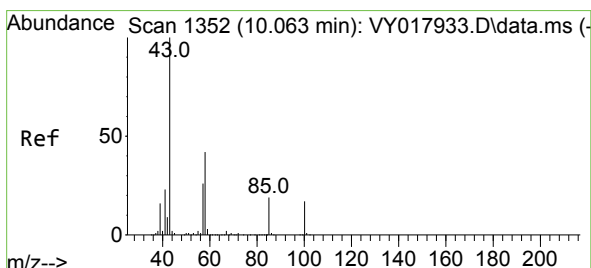
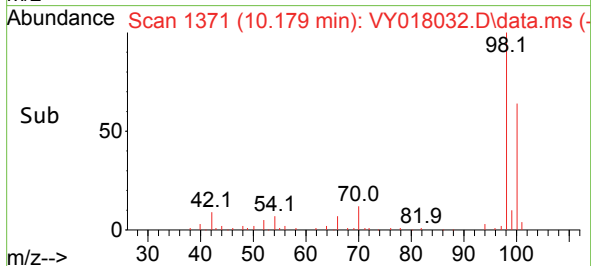
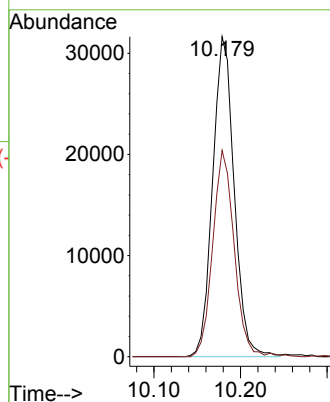
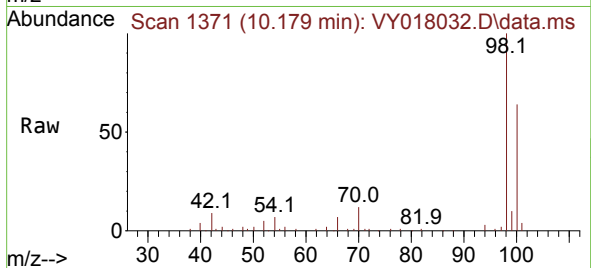
ClientSampleId :

Tgt Ion: 98 Resp: 54531

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.374 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. 0.000 min

Lab File: VY018032.D

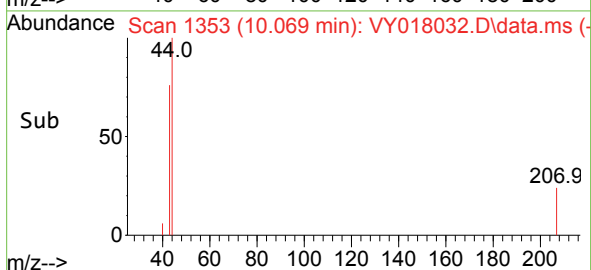
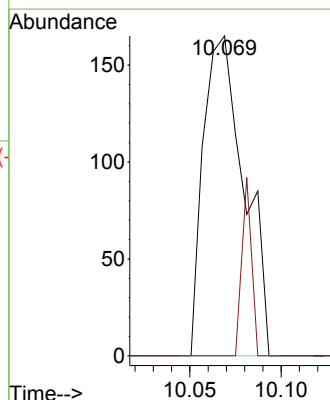
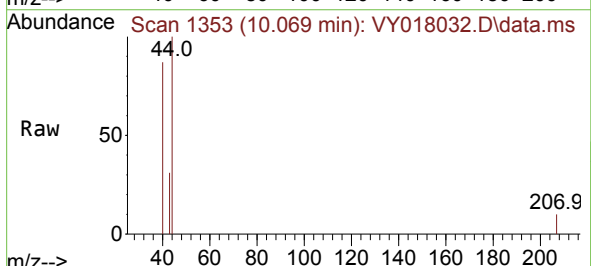
Acq: 24 Apr 2024 12:03

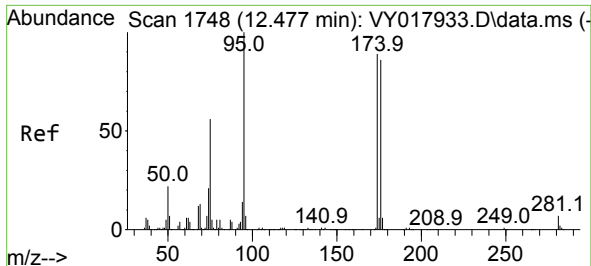
Tgt Ion: 43 Resp: 257

Ion Ratio Lower Upper

43 100

58 13.2 35.7 53.5#

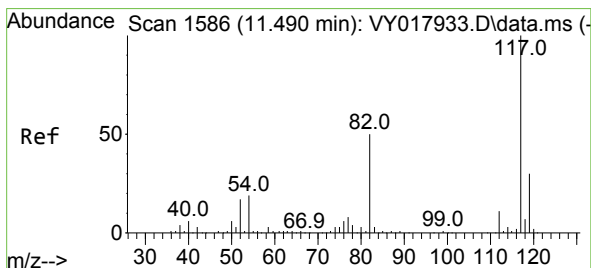
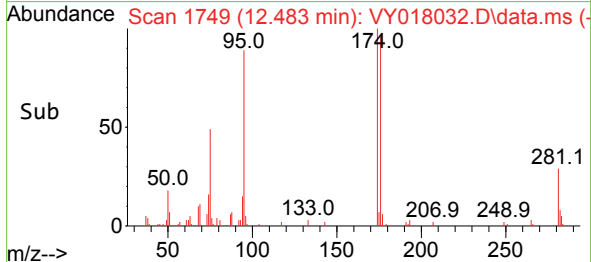
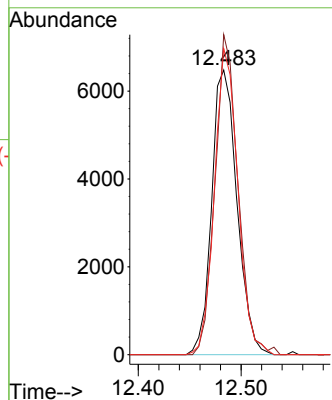
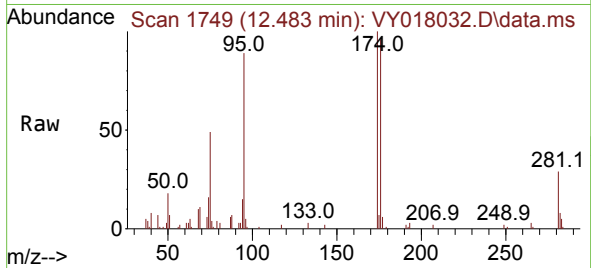




#62
4-Bromofluorobenzene
Concen: 29.776 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018032.D
Acq: 24 Apr 2024 12:03

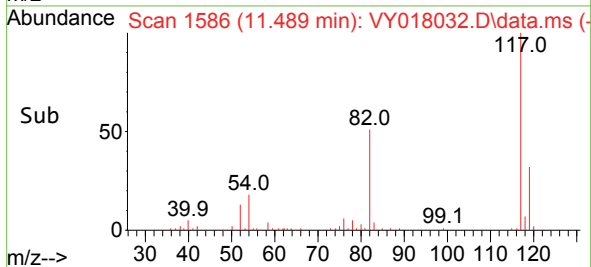
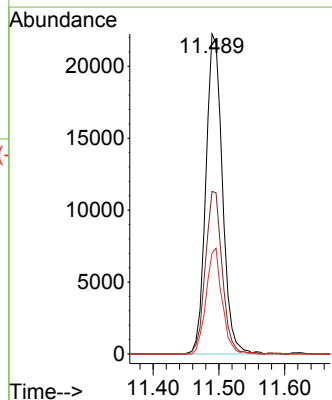
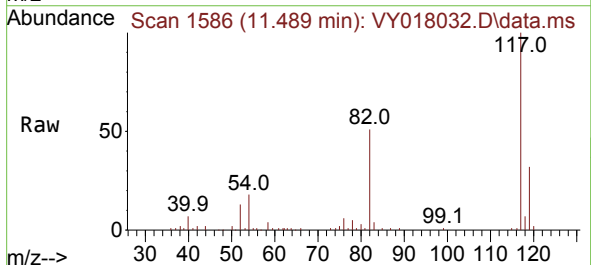
Instrument :
MSVOA_Y
ClientSampleId :

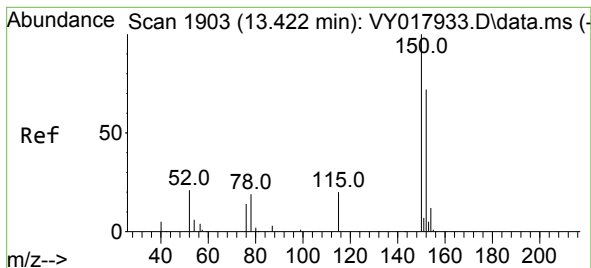
Tgt Ion: 95 Resp: 11073
Ion Ratio Lower Upper
95 100
174 102.0 0.0 175.6
176 99.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018032.D
Acq: 24 Apr 2024 12:03

Tgt Ion: 117 Resp: 38995
Ion Ratio Lower Upper
117 100
82 50.8 42.4 63.6
119 31.5 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018032.D

Acq: 24 Apr 2024 12:03

Instrument :

MSVOA_Y

ClientSampleId :

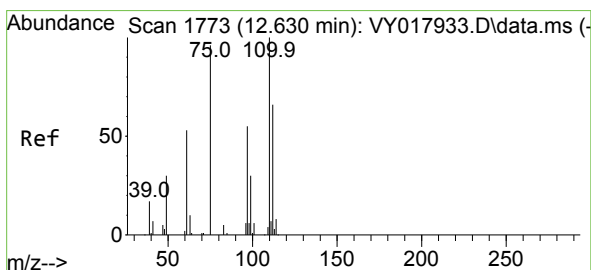
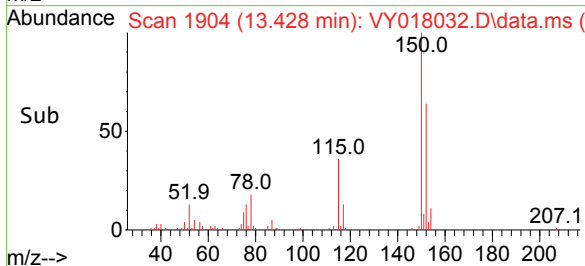
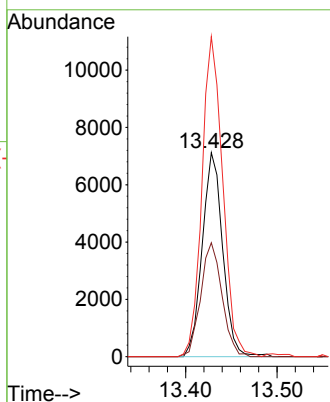
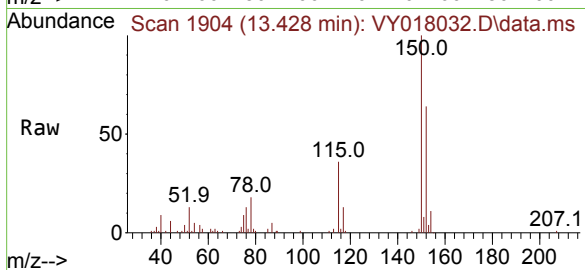
Tgt Ion:152 Resp: 11060

Ion Ratio Lower Upper

152 100

115 58.0 28.2 84.7

150 159.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 55.846 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY018032.D

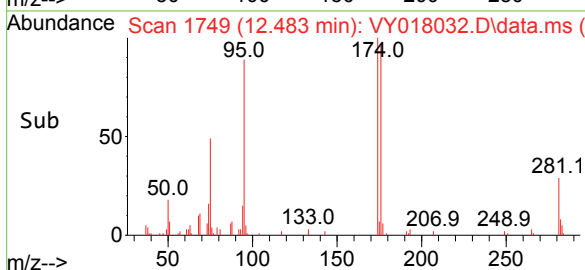
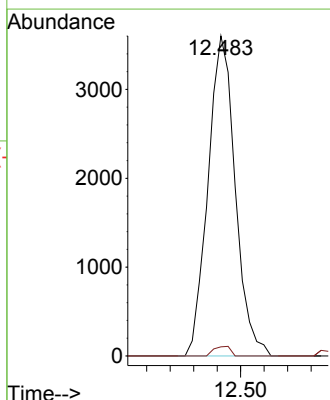
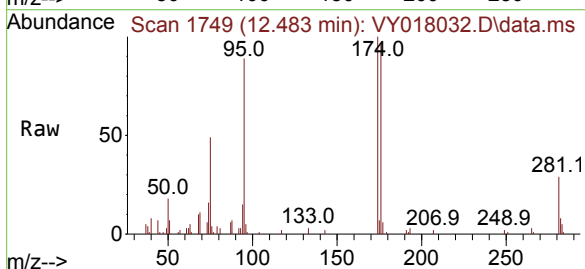
Acq: 24 Apr 2024 12:03

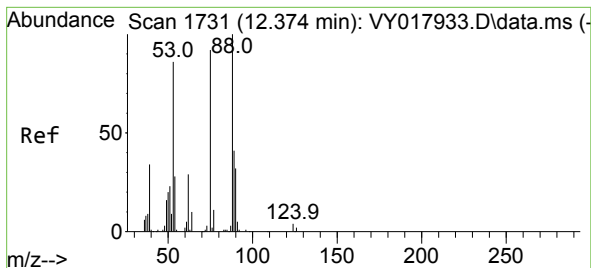
Tgt Ion: 75 Resp: 5796

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

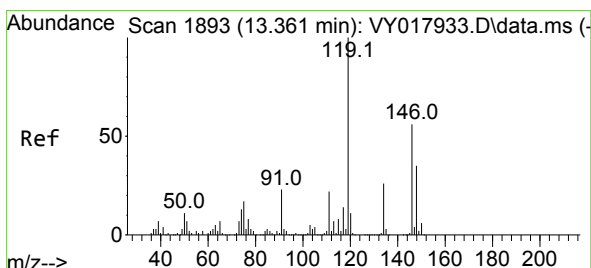
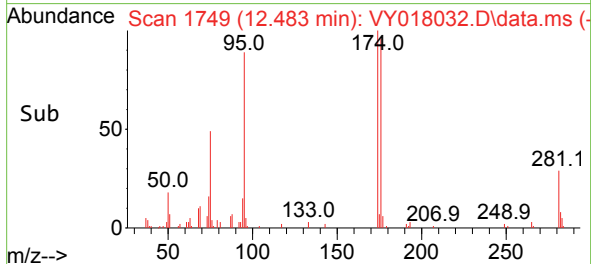
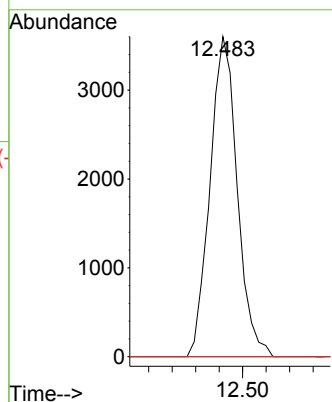
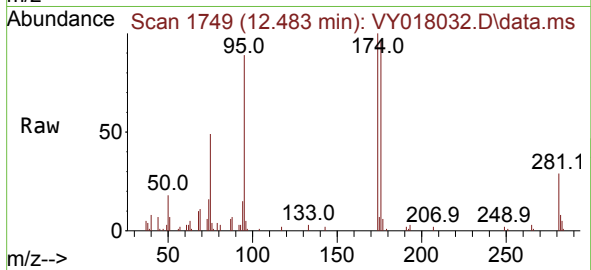




#81
trans-1,4-Dichloro-2-butene
Concen: 115.144 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY018032.D
Acq: 24 Apr 2024 12:03

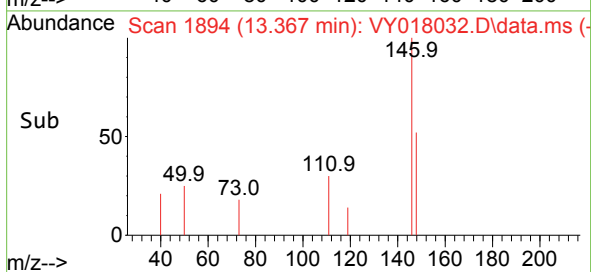
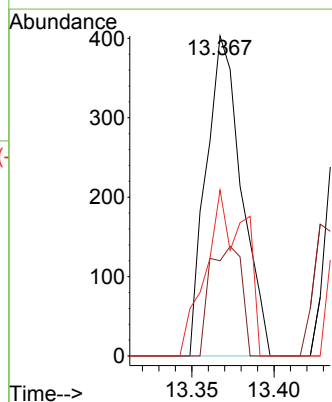
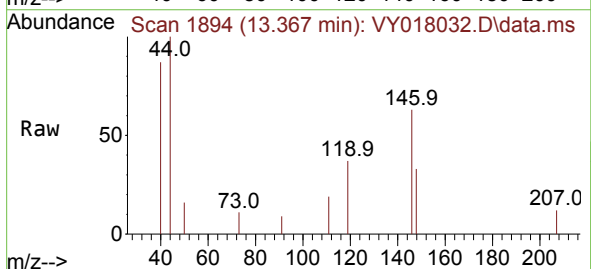
Instrument :
MSVOA_Y
ClientSampleId :

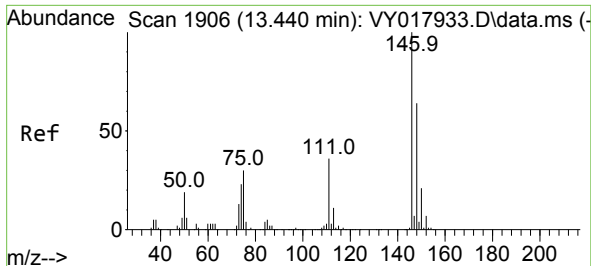
Tgt Ion: 75 Resp: 5796
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#87
1,3-Dichlorobenzene
Concen: 1.561 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY018032.D
Acq: 24 Apr 2024 12:03

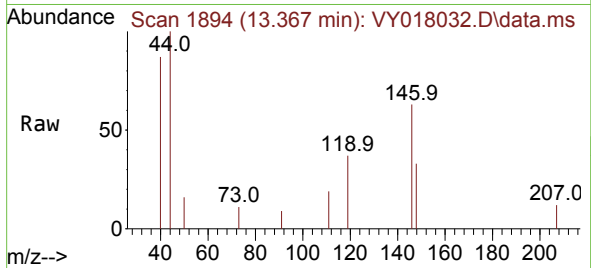
Tgt Ion:146 Resp: 604
Ion Ratio Lower Upper
146 100
111 30.6 19.0 57.0
148 57.5 31.7 95.1



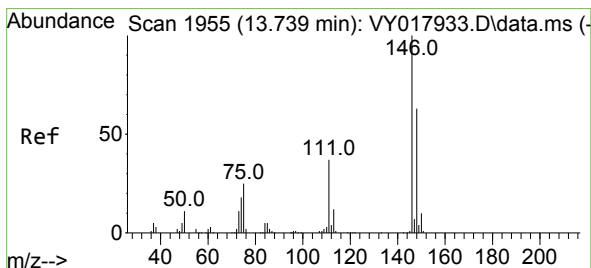
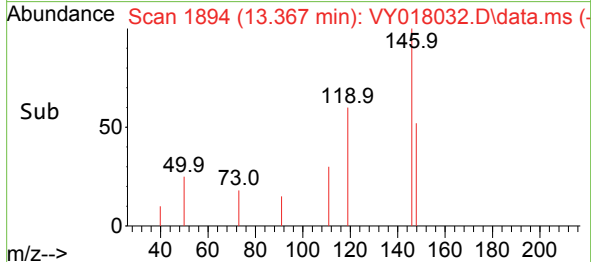
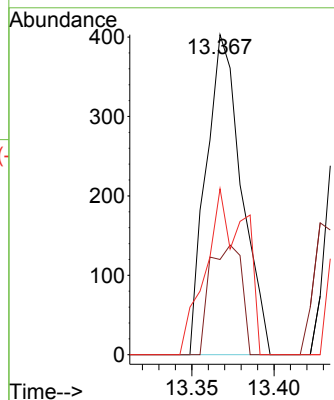


#88
 1,4-Dichlorobenzene
 Concen: 1.590 ug/l
 RT: 13.367 min Scan# 11
 Delta R.T. -0.079 min
 Lab File: VY018032.D
 Acq: 24 Apr 2024 12:03

Instrument :
 MSVOA_Y
 ClientSampleId :

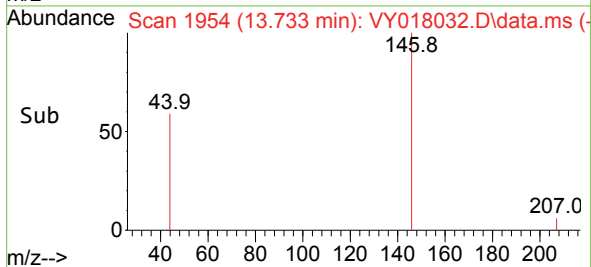
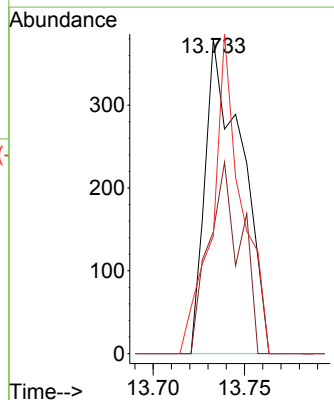
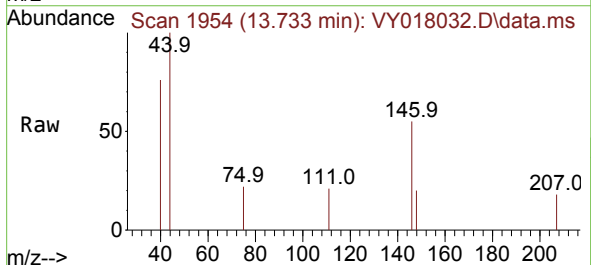


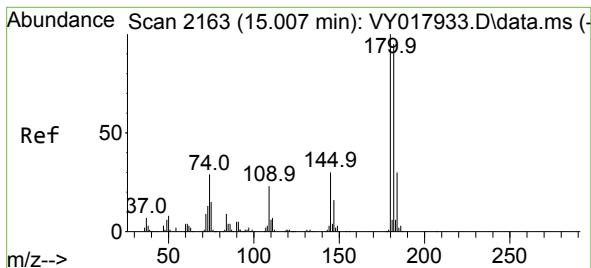
Tgt Ion:146 Resp: 604
 Ion Ratio Lower Upper
 146 100
 111 30.6 18.4 55.4
 148 57.5 32.4 97.2



#91
 1,2-Dichlorobenzene
 Concen: 1.585 ug/l
 RT: 13.733 min Scan# 1954
 Delta R.T. -0.006 min
 Lab File: VY018032.D
 Acq: 24 Apr 2024 12:03

Tgt Ion:146 Resp: 529
 Ion Ratio Lower Upper
 146 100
 111 52.9 19.9 59.7
 148 81.3 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 2.371 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. 0.006 min

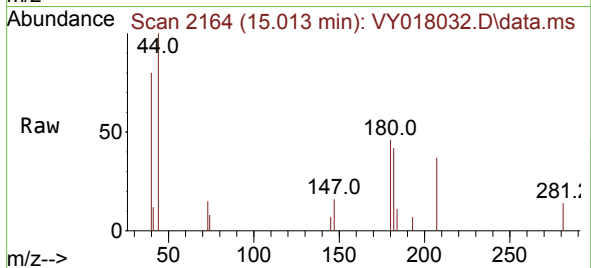
Lab File: VY018032.D

Acq: 24 Apr 2024 12:03

Instrument :

MSVOA_Y

ClientSampleId :



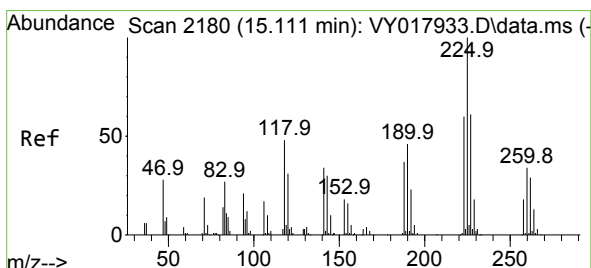
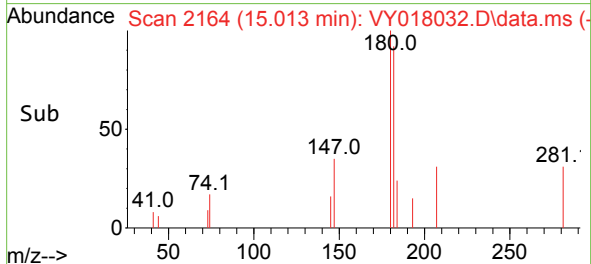
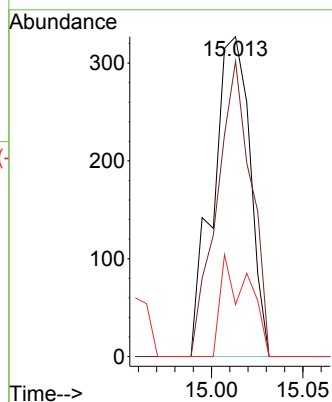
Tgt Ion:180 Resp: 461

Ion Ratio Lower Upper

180 100

182 85.7 47.9 143.8

145 23.6 14.2 42.6



#94

Hexachlorobutadiene

Concen: 2.341 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY018032.D

Acq: 24 Apr 2024 12:03

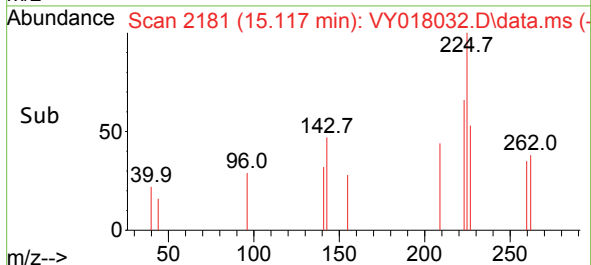
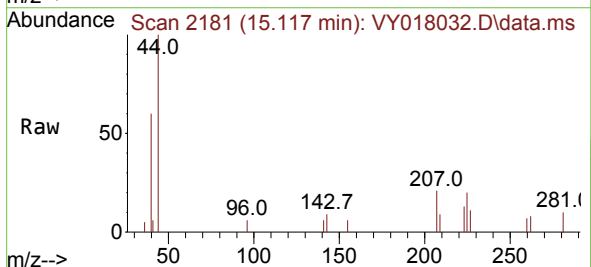
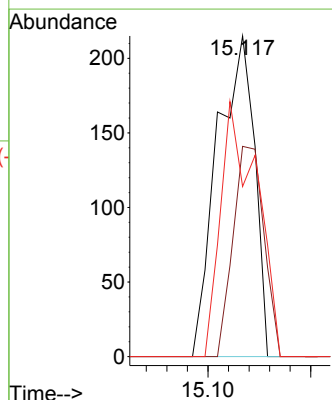
Tgt Ion:225 Resp: 270

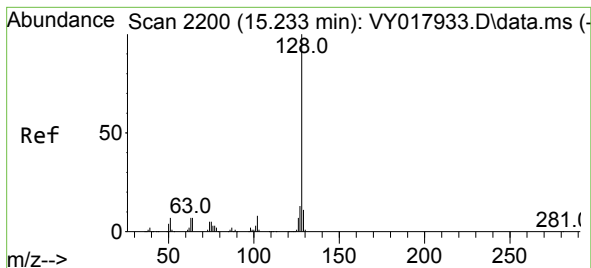
Ion Ratio Lower Upper

225 100

223 54.4 30.4 91.2

227 77.0 31.9 95.9





#95

Naphthalene

Concen: 2.366 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. 0.012 min

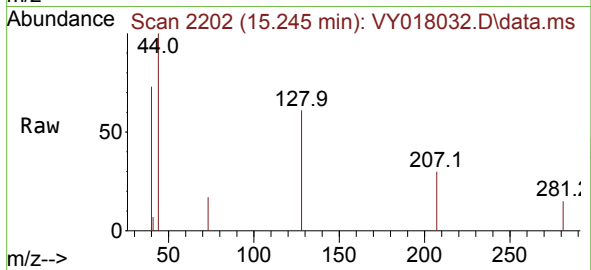
Lab File: VY018032.D

Acq: 24 Apr 2024 12:03

Instrument :

MSVOA_Y

ClientSampleId :



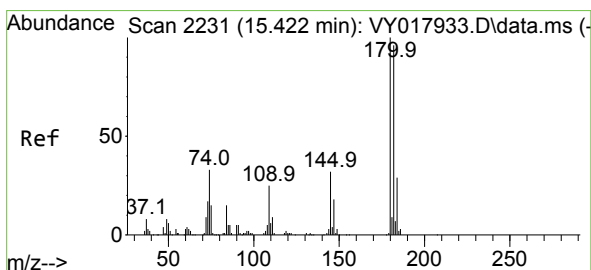
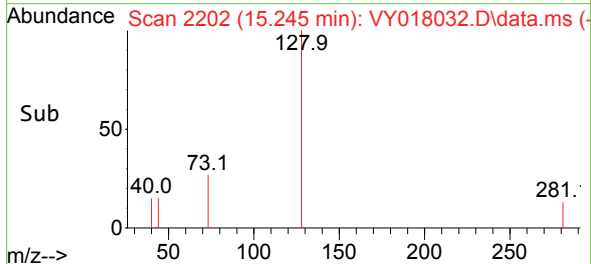
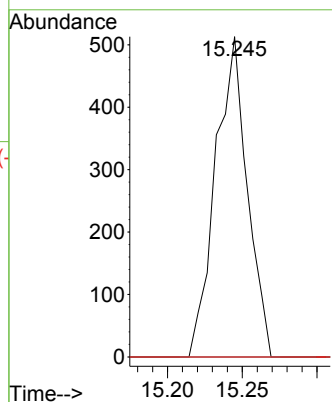
Tgt Ion:128 Resp: 758

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 3.556 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY018032.D

Acq: 24 Apr 2024 12:03

Tgt Ion:180 Resp: 580

Ion Ratio Lower Upper

180 100

182 83.6 47.6 142.9

145 25.2 15.4 46.1

