

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050324\
 Data File : VY018148.D
 Acq On : 03 May 2024 17:20
 Operator : SY/MD
 Sample : P2386-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 03:01:20 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)

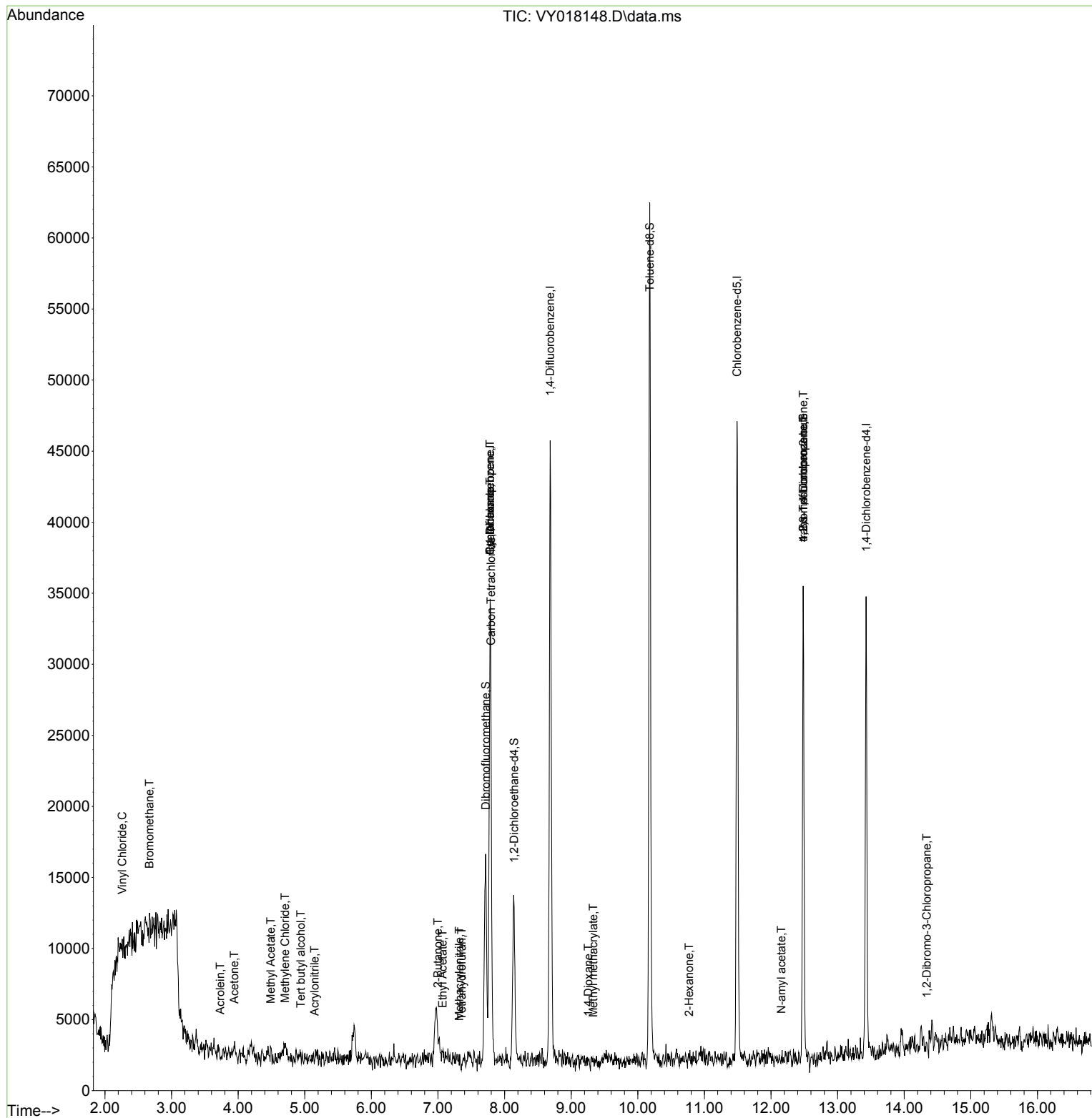
Internal Standards						
1) Pentafluorobenzene	7.783	168	26275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	39071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	27758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	8003	38.641	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.280%		
35) Dibromofluoromethane	7.716	113	10465	46.609	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.220%		
50) Toluene-d8	10.179	98	41140	46.934	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.860%		
62) 4-Bromofluorobenzene	12.483	95	9816	32.540	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	65.080%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.260	62	450	1.518	ug/l #	42
5) Bromomethane	2.668	94	304	1.661	ug/l #	3
11) Tert butyl alcohol	4.942	59	157	9.301	ug/l #	88
13) Acrolein	3.729	56	290	11.543	ug/l	99
15) Acrylonitrile	5.149	53	79	1.659	ug/l #	35
16) Acetone	3.942	43	614	15.562	ug/l	96
18) Methyl Acetate	4.491	43	270	2.672	ug/l #	46
20) Methylene Chloride	4.704	84	779	2.818	ug/l #	86
25) 2-Butanone	6.996	43	153	2.493	ug/l #	41
29) Tetrahydrofuran	7.356	42	162	4.152	ug/l #	26
31) Cyclohexane	7.783	56	660	1.663	ug/l #	77
36) 1,1-Dichloropropene	7.783	75	2008	6.700	ug/l #	43
37) Ethyl Acetate	7.070	43	295	2.262	ug/l #	67
38) Carbon Tetrachloride	7.795	117	2383	7.005	ug/l #	25
41) Methacrylonitrile	7.320	41	170	2.210	ug/l #	26
48) Methyl methacrylate	9.331	41	147	1.172	ug/l #	1
49) 1,4-Dioxane	9.258	88	42	29.632	ug/l #	20
59) 2-Hexanone	10.770	43	148	1.549	ug/l	88
74) N-amyl acetate	12.154	43	267	1.901	ug/l #	50
76) 1,2,3-Trichloropropane	12.483	75	5007	70.164	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	5007	127.822	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.337	75	23	1.497	ug/l #	1

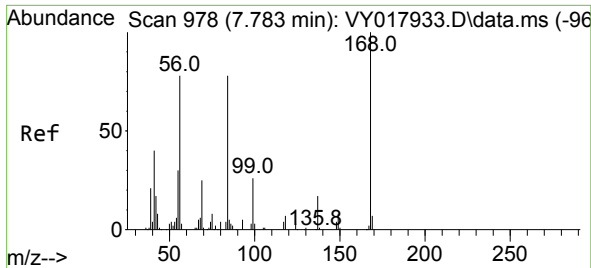
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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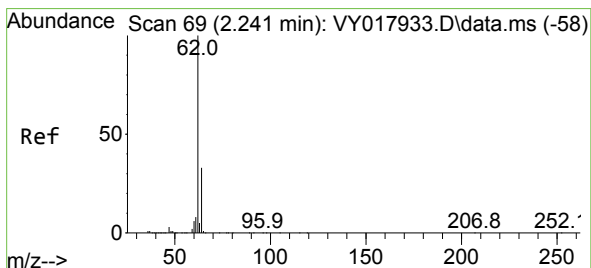
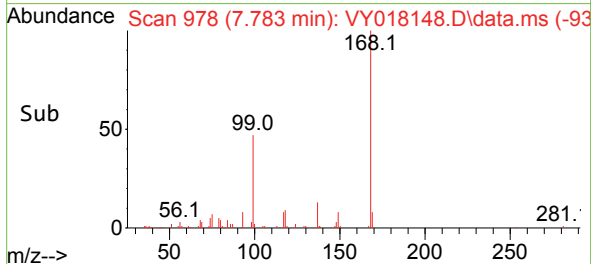
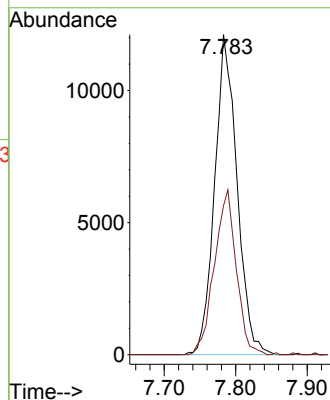
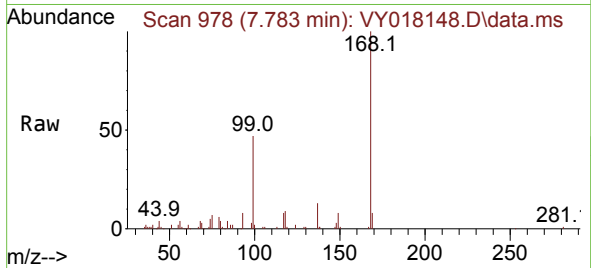




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

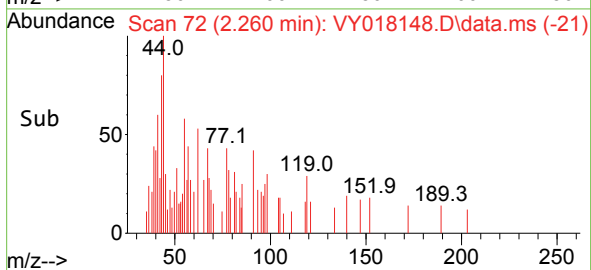
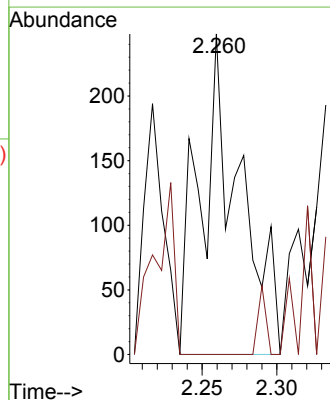
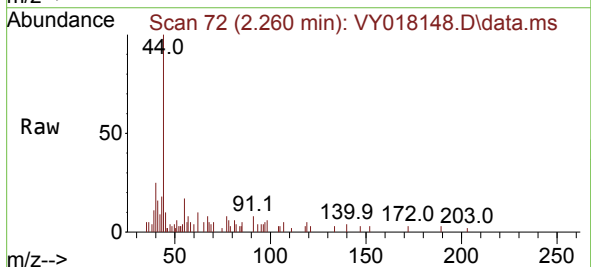
Instrument :
MSVOA_Y
ClientSampleId :

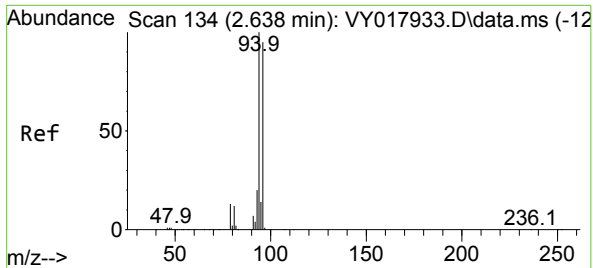
Tgt Ion:168 Resp: 26275
Ion Ratio Lower Upper
168 100
99 46.6 39.1 58.7



#4
Vinyl Chloride
Concen: 1.518 ug/l
RT: 2.260 min Scan# 72
Delta R.T. 0.013 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

Tgt Ion: 62 Resp: 450
Ion Ratio Lower Upper
62 100
64 0.0 26.1 39.1#

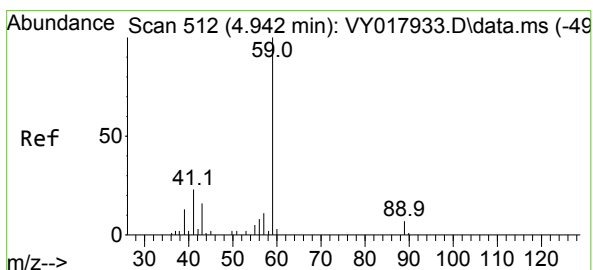
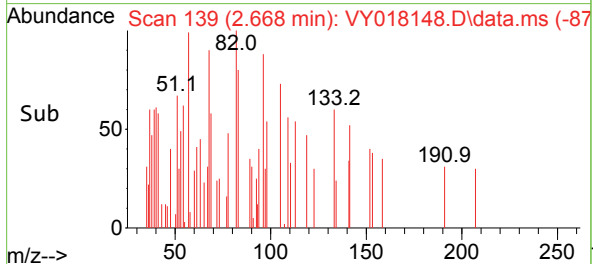
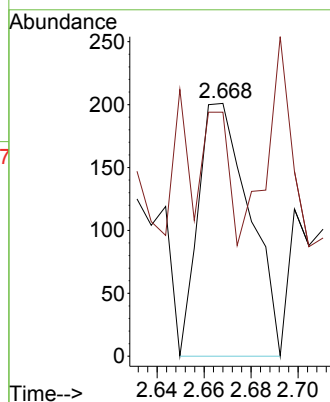
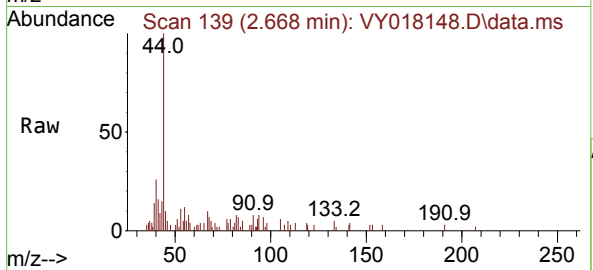




#5
Bromomethane
Concen: 1.661 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

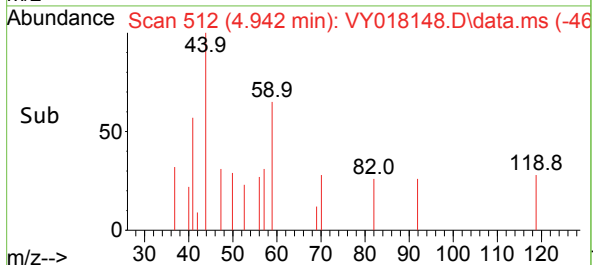
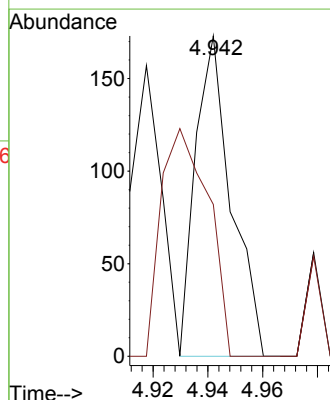
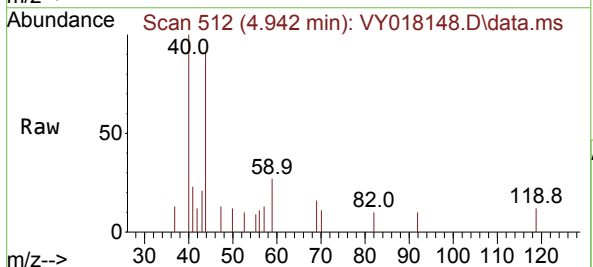
Instrument :
MSVOA_Y
ClientSampleId :

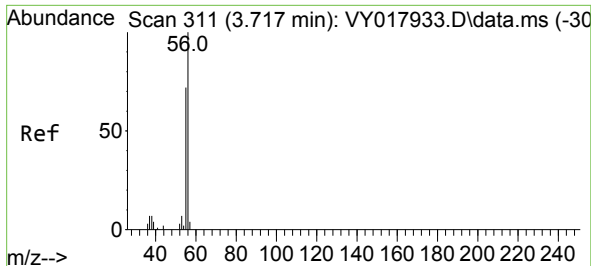
Tgt Ion: 94 Resp: 304
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#



#11
Tert butyl alcohol
Concen: 9.301 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

Tgt Ion: 59 Resp: 157
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#13

Acrolein

Concen: 11.543 ug/l

RT: 3.729 min Scan# 311

Delta R.T. -0.000 min

Lab File: VY018148.D

Acq: 03 May 2024 17:20

Instrument :

MSVOA_Y

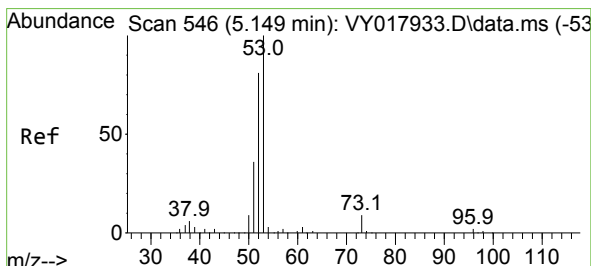
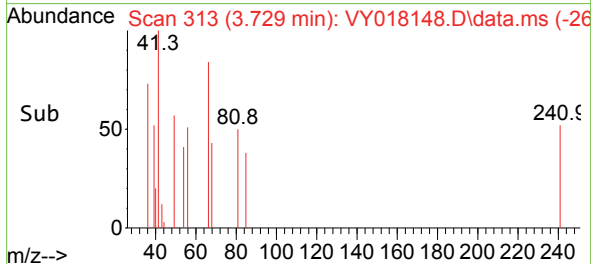
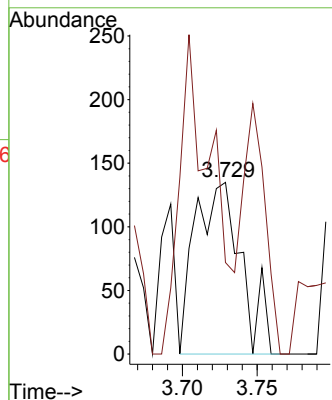
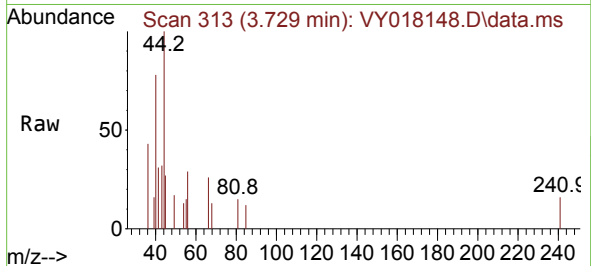
ClientSampleId :

Tgt Ion: 56 Resp: 290

Ion Ratio Lower Upper

56 100

55 68.6 55.7 83.5



#15

Acrylonitrile

Concen: 1.659 ug/l

RT: 5.149 min Scan# 546

Delta R.T. -0.012 min

Lab File: VY018148.D

Acq: 03 May 2024 17:20

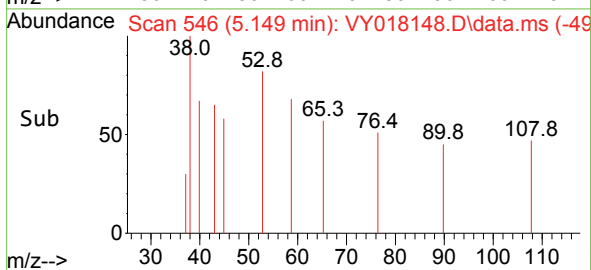
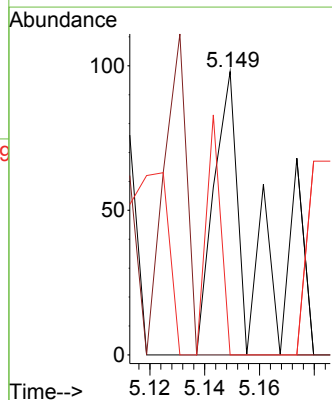
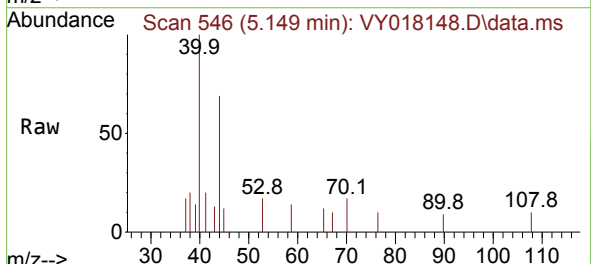
Tgt Ion: 53 Resp: 79

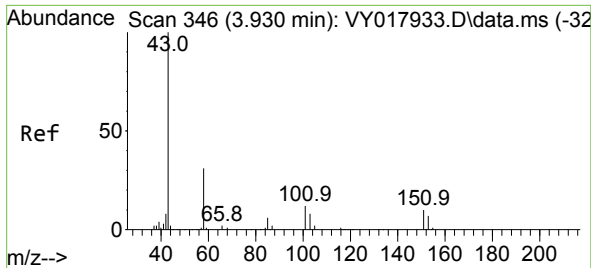
Ion Ratio Lower Upper

53 100

52 0.0 64.7 97.1#

51 38.0 28.4 42.6

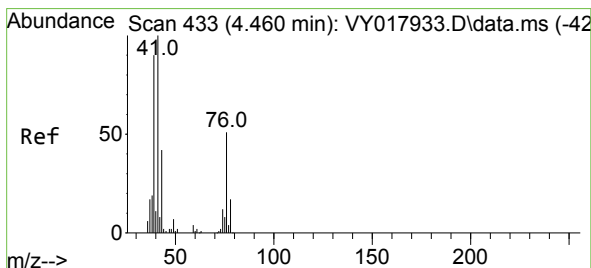
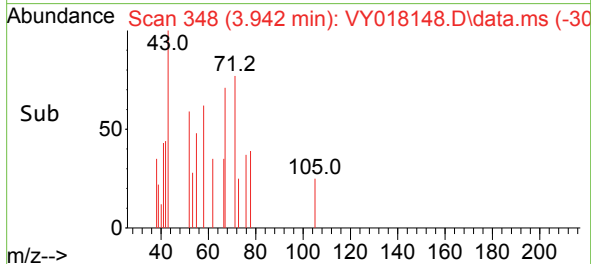
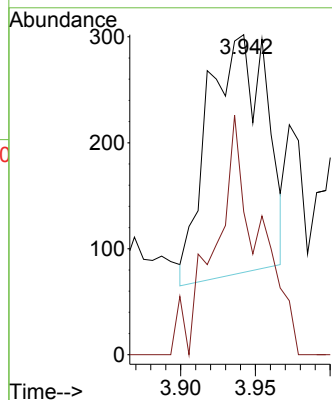
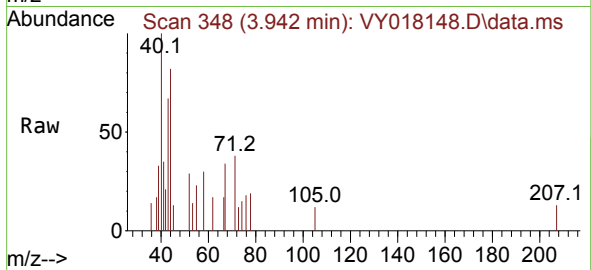




#16
Acetone
Concen: 15.562 ug/l
RT: 3.942 min Scan# 346
Delta R.T. -0.006 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

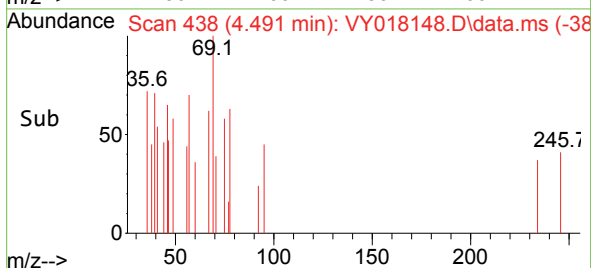
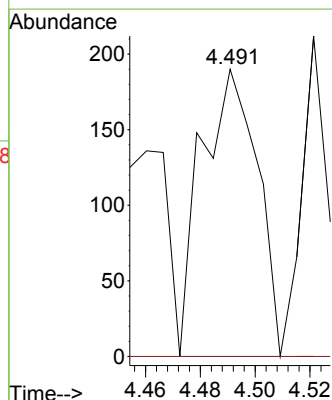
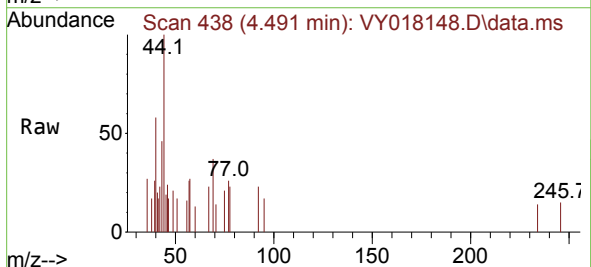
Instrument :
MSVOA_Y
ClientSampleId :

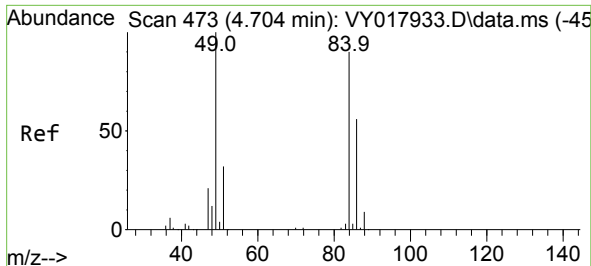
Tgt Ion: 43 Resp: 614
Ion Ratio Lower Upper
43 100
58 36.9 31.7 47.5



#18
Methyl Acetate
Concen: 2.672 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.013 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

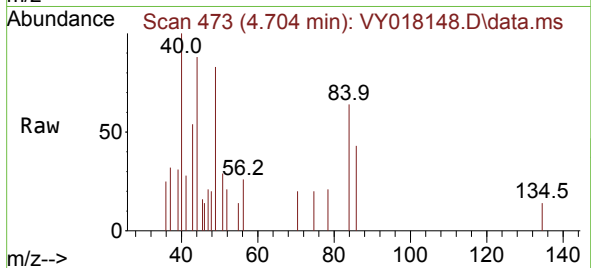
Tgt Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



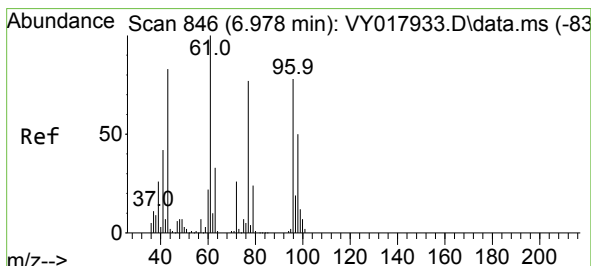
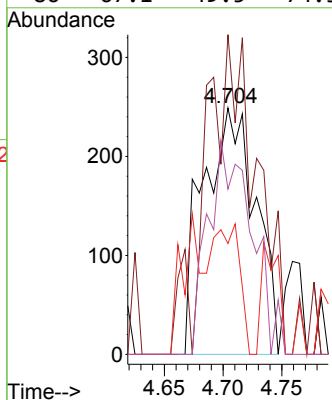
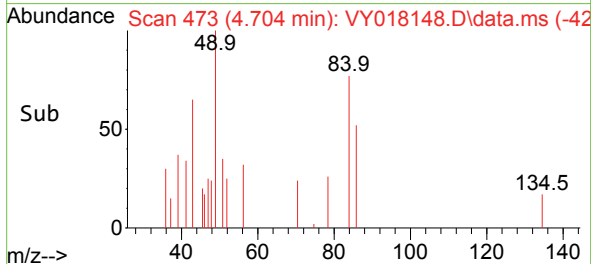


#20
Methylene Chloride
Concen: 2.818 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

Instrument :
MSVOA_Y
ClientSampleId :

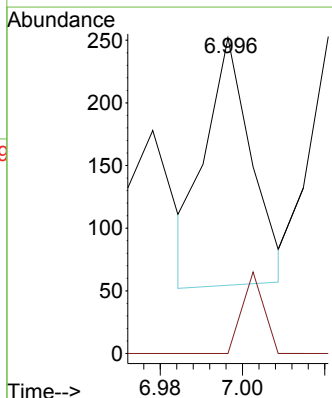
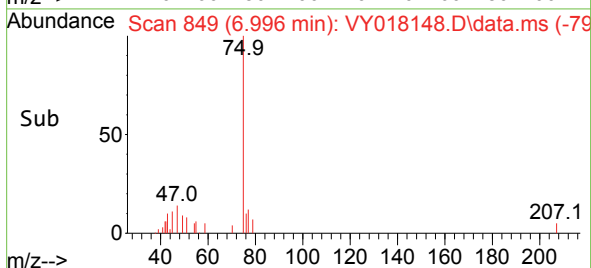
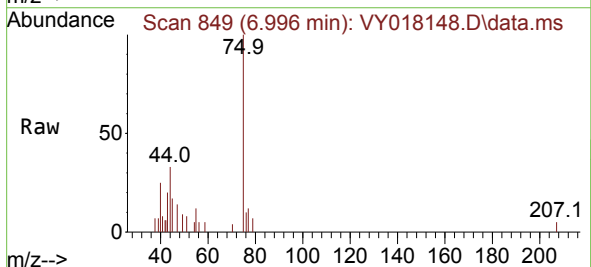


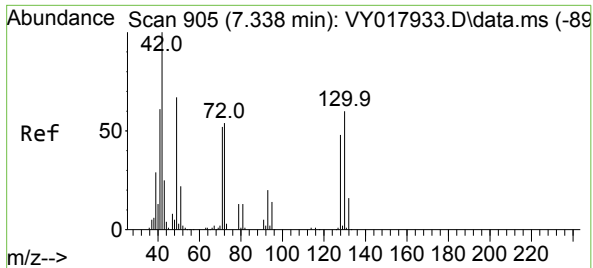
Tgt Ion: 84	Resp: 779
Ion Ratio	Lower Upper
84 100	
49 98.8	84.4 126.6
51 4.8	26.0 39.0#
86 67.1	49.5 74.3



#25
2-Butanone
Concen: 2.493 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

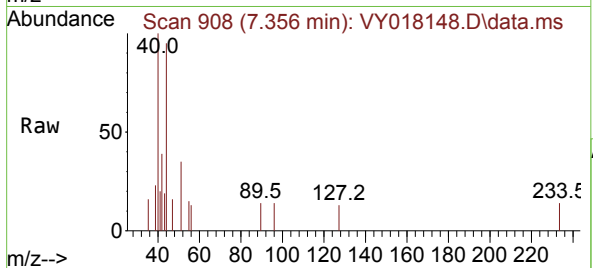
Tgt Ion: 43	Resp: 153		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	27.3	40.9#	



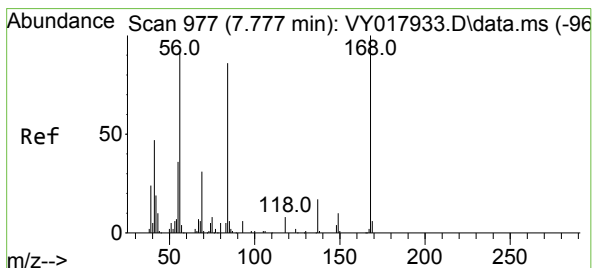
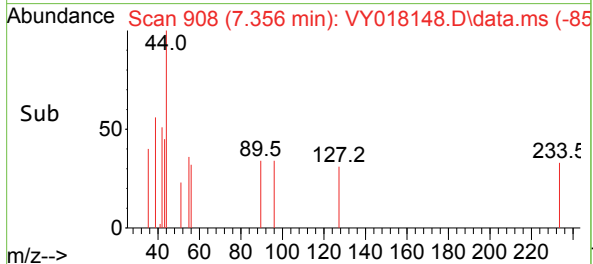
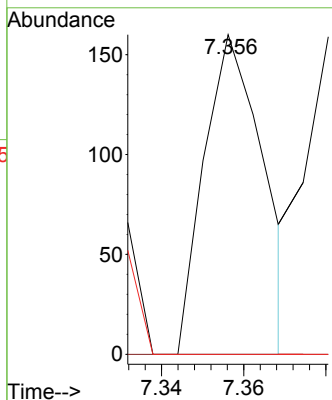


#29
Tetrahydrofuran
Concen: 4.152 ug/l
RT: 7.356 min Scan# 905
Delta R.T. 0.006 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

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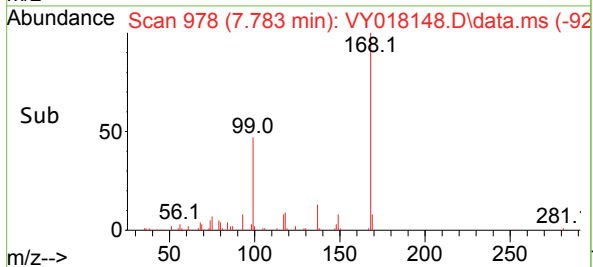
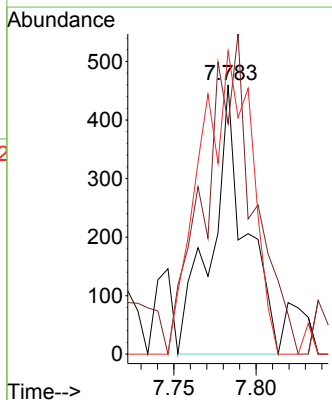
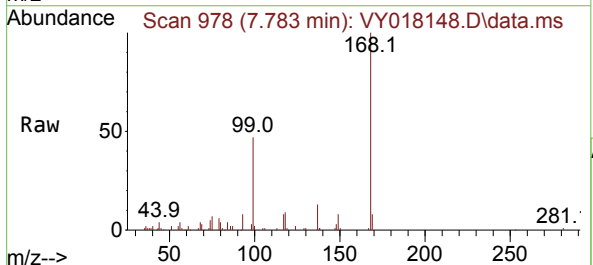


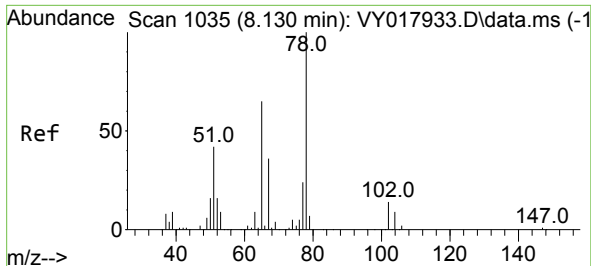
Tgt Ion: 42 Resp: 162
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 0.0 40.8 61.2#



#31
Cyclohexane
Concen: 1.663 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

Tgt Ion: 56 Resp: 660
Ion Ratio Lower Upper
56 100
69 60.0 28.7 43.1#
84 112.6 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 38.641 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY018148.D

Acq: 03 May 2024 17:20

Instrument :

MSVOA_Y

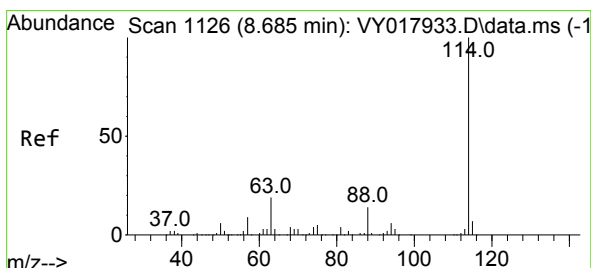
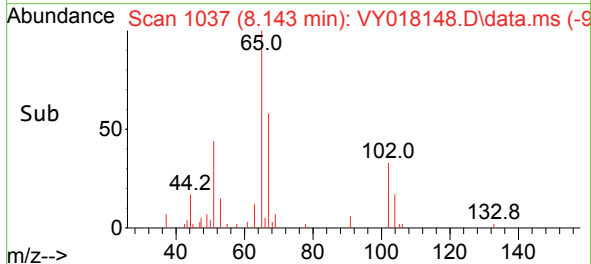
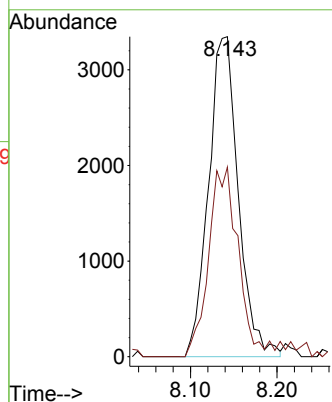
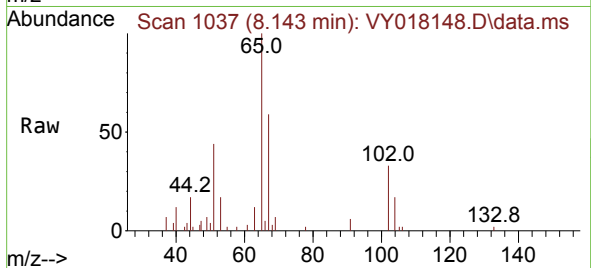
ClientSampleId :

Tgt Ion: 65 Resp: 8003

Ion Ratio Lower Upper

65 100

67 58.1 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: VY018148.D

Acq: 03 May 2024 17:20

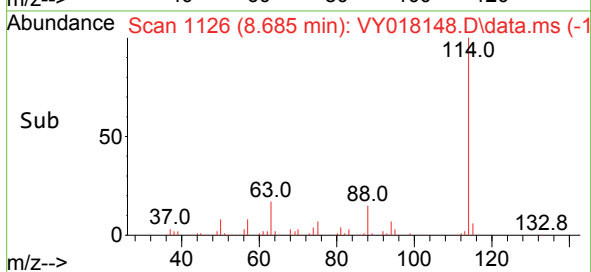
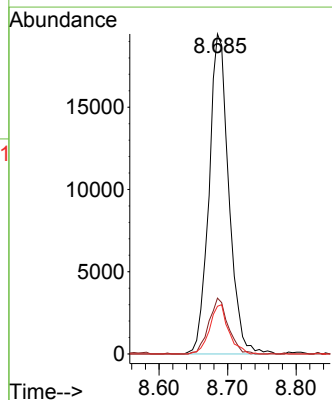
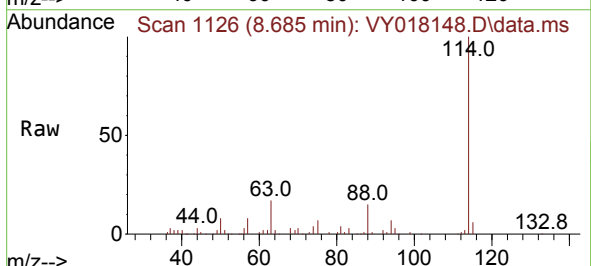
Tgt Ion: 114 Resp: 39071

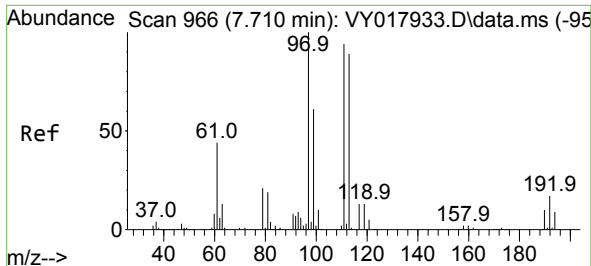
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

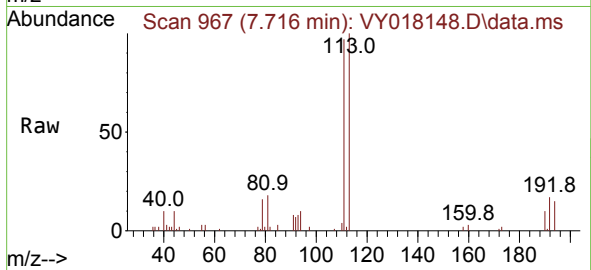
88 14.9 0.0 27.2



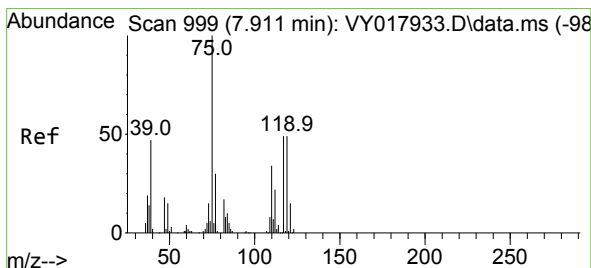
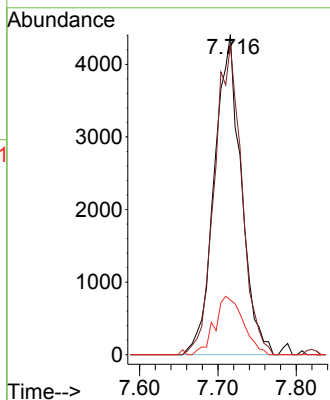
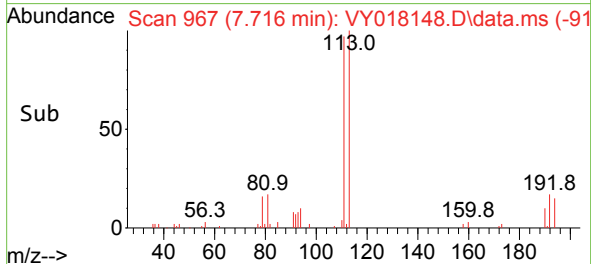


#35
Dibromofluoromethane
Concen: 46.609 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

Instrument :
MSVOA_Y
ClientSampleId :

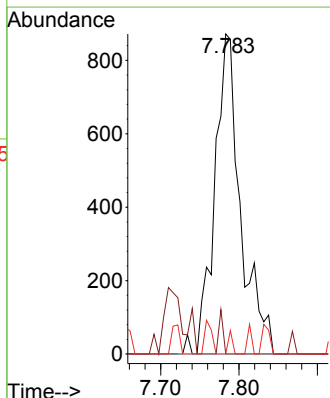
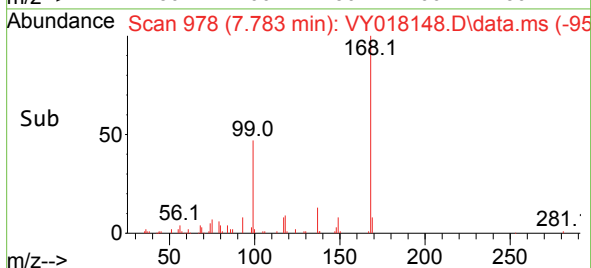
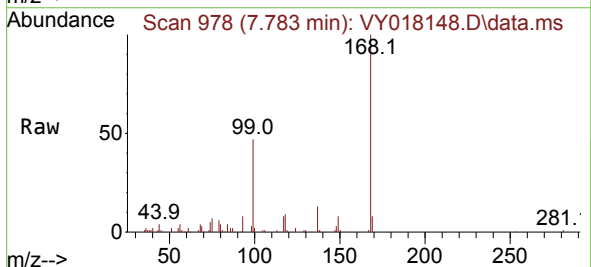


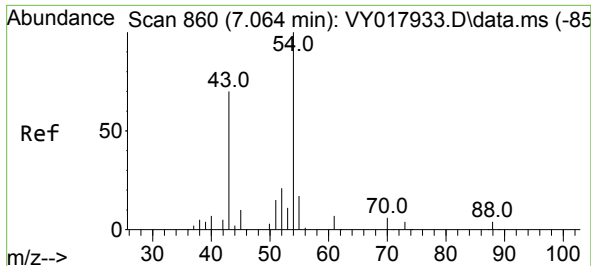
Tgt Ion:113 Resp: 10465
Ion Ratio Lower Upper
113 100
111 98.9 82.2 123.4
192 19.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 6.700 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

Tgt Ion: 75 Resp: 2008
Ion Ratio Lower Upper
75 100
110 2.2 19.0 57.0#
77 1.1 25.3 37.9#





#37

Ethyl Acetate

Concen: 2.262 ug/l

RT: 7.070 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY018148.D

Acq: 03 May 2024 17:20

Instrument :

MSVOA_Y

ClientSampleId :

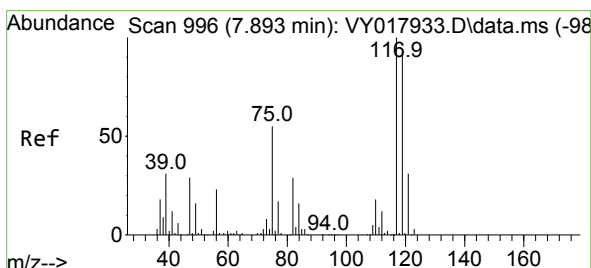
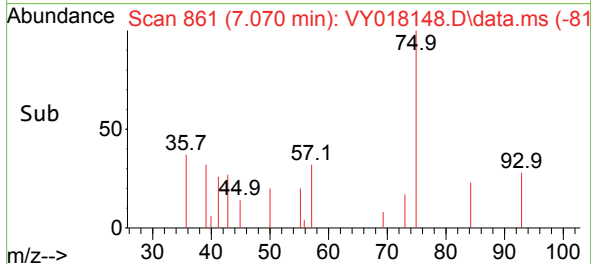
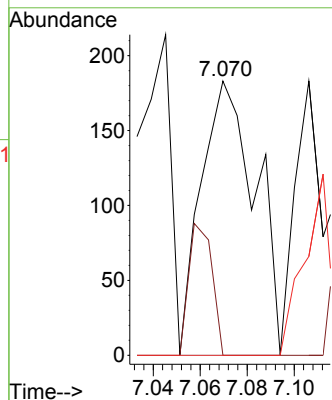
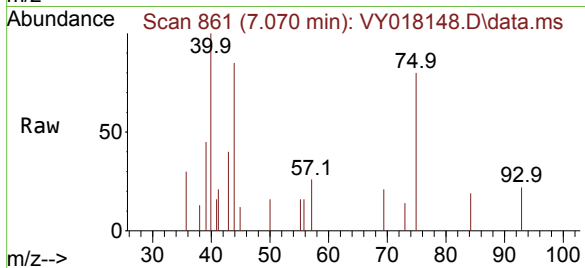
Tgt Ion: 43 Resp: 295

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 7.005 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY018148.D

Acq: 03 May 2024 17:20

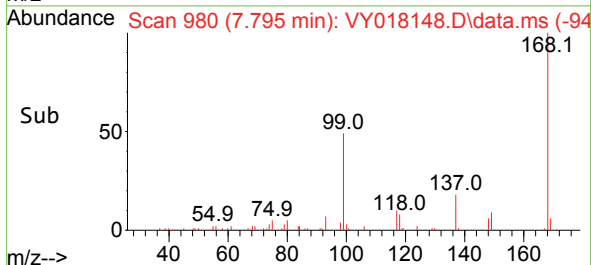
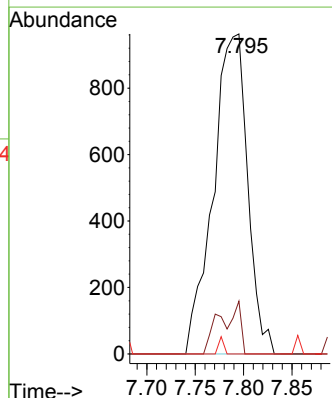
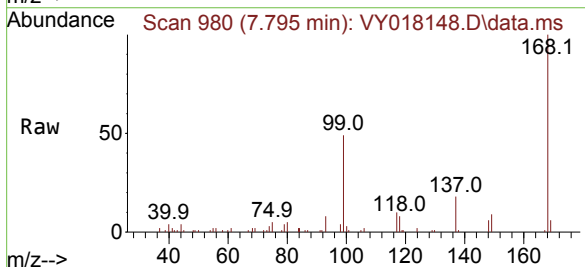
Tgt Ion: 117 Resp: 2383

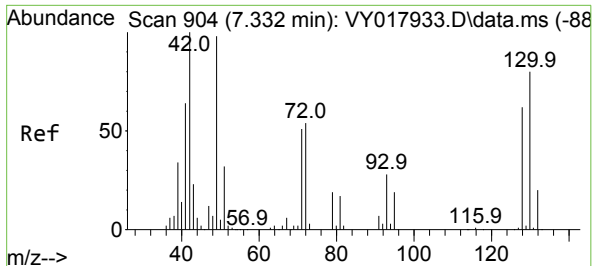
Ion Ratio Lower Upper

117 100

119 16.5 75.8 113.6#

121 0.0 24.0 36.0#

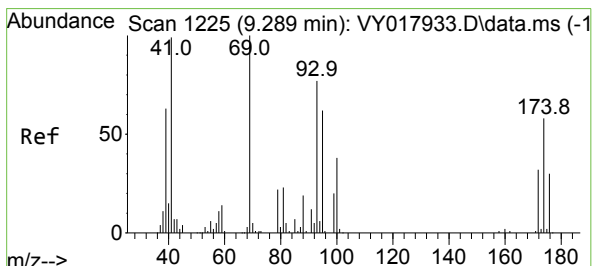
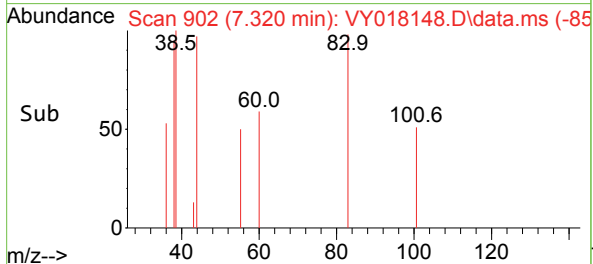
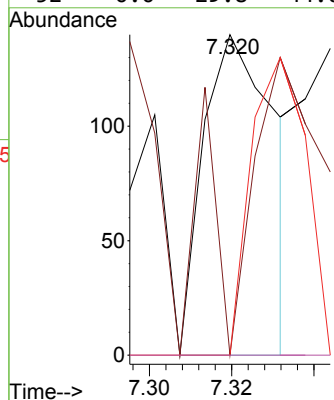
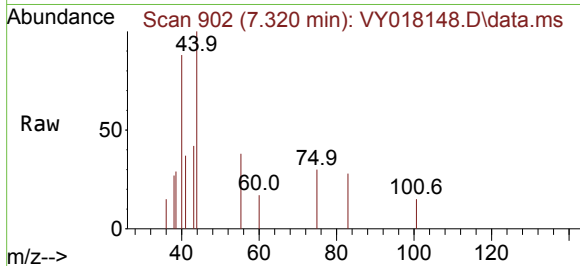




#41
Methacrylonitrile
Concen: 2.210 ug/l
RT: 7.320 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

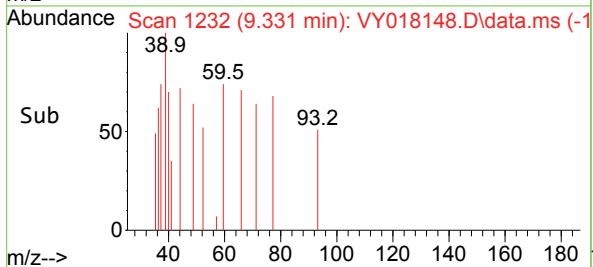
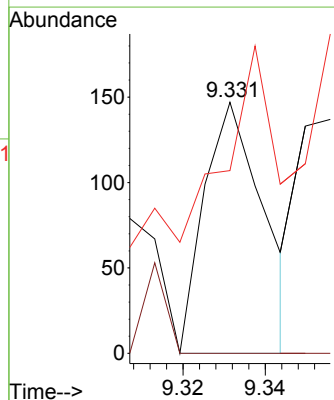
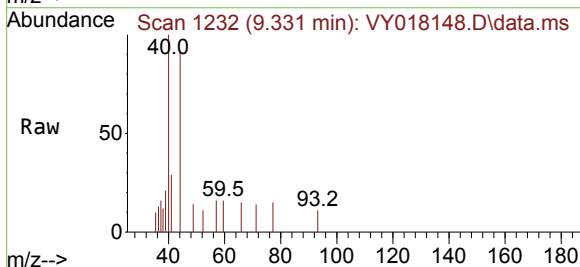
Instrument :
MSVOA_Y
ClientSampleId :

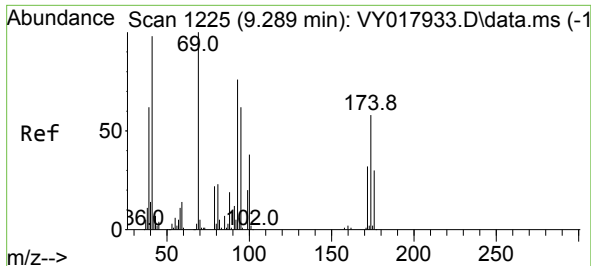
Tgt Ion:	41	Resp:	170
Ion	Ratio	Lower	Upper
41	100		
39	25.3	48.0	72.0#
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#



#48
Methyl methacrylate
Concen: 1.172 ug/l
RT: 9.331 min Scan# 1232
Delta R.T. 0.036 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

Tgt Ion:	41	Resp:	147
Ion	Ratio	Lower	Upper
41	100		
69	0.0	84.1	126.1#
39	189.8	43.6	65.4#





#49

1,4-Dioxane

Concen: 29.632 ug/l

RT: 9.258 min Scan# 1225

Delta R.T. -0.043 min

Lab File: VY018148.D

Acq: 03 May 2024 17:20

Instrument :

MSVOA_Y

ClientSampleId :

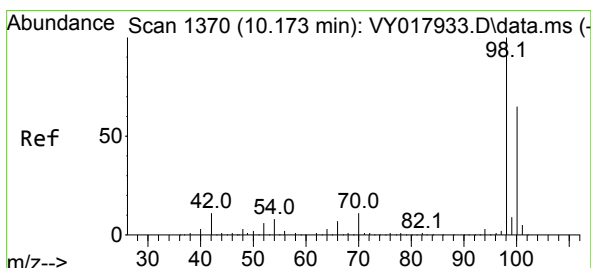
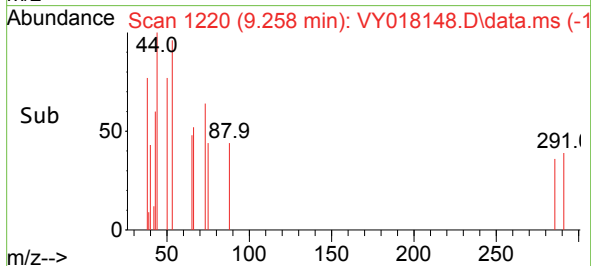
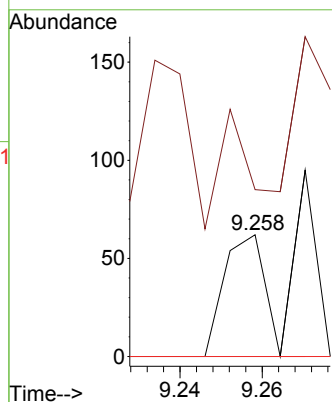
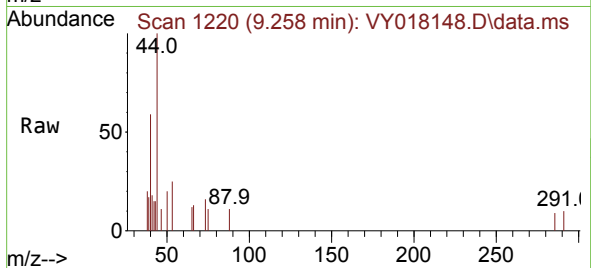
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 547.6 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 46.934 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018148.D

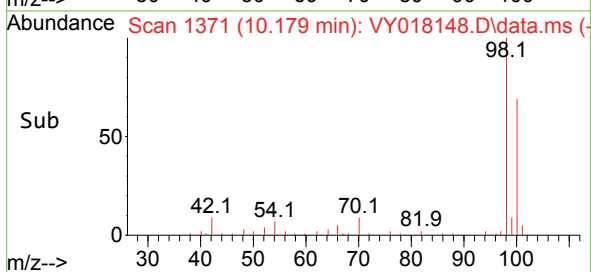
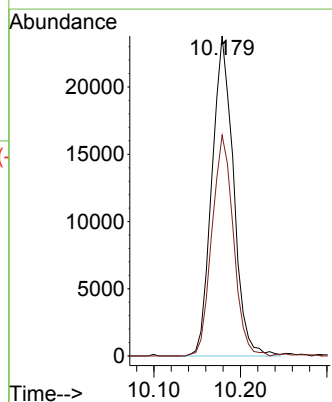
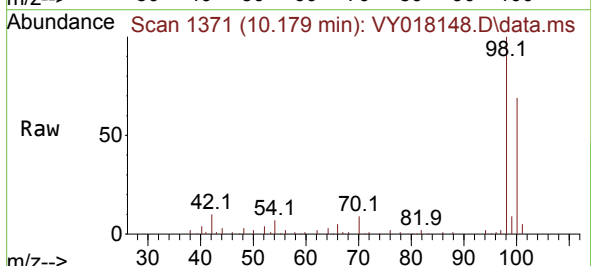
Acq: 03 May 2024 17:20

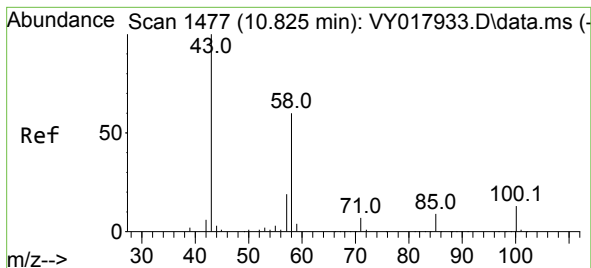
Tgt Ion: 98 Resp: 41140

Ion Ratio Lower Upper

98 100

100 68.7 52.0 78.0

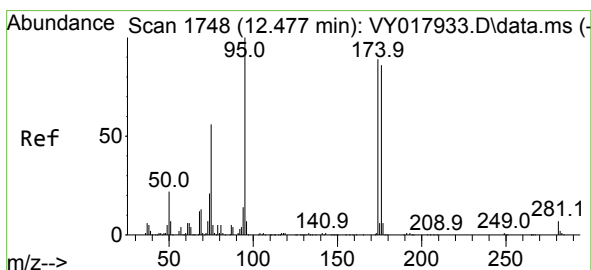
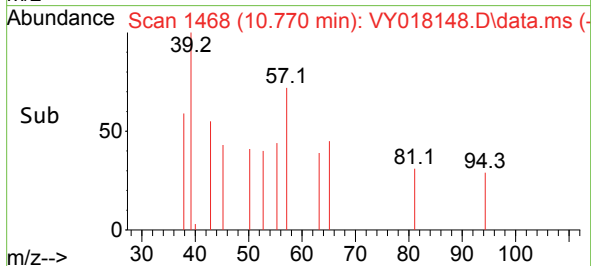
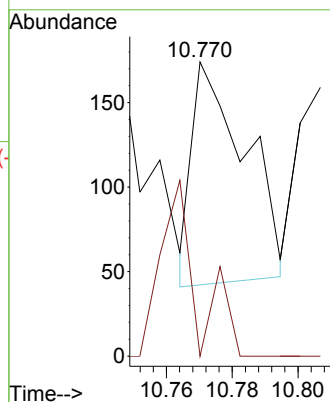
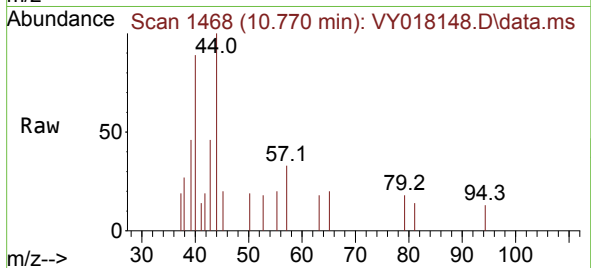




#59
2-Hexanone
Concen: 1.549 ug/l
RT: 10.770 min Scan# 1477
Delta R.T. -0.061 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

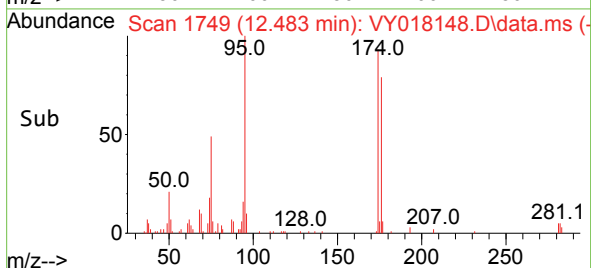
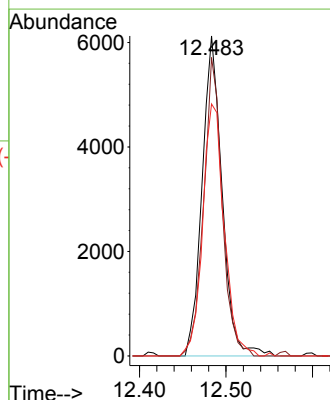
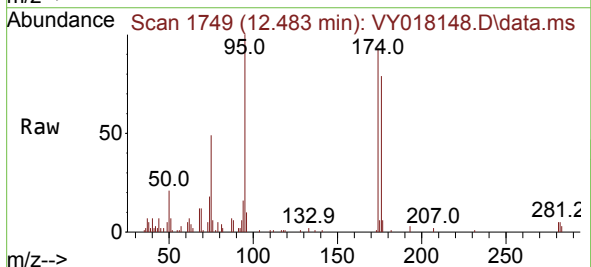
Instrument :
MSVOA_Y
ClientSampleId :

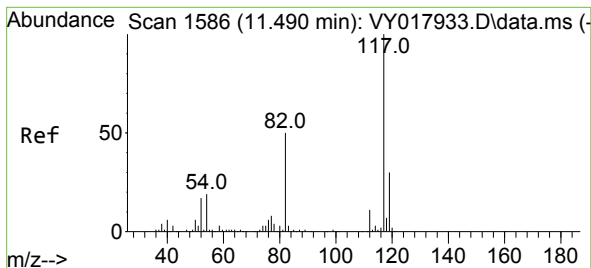
Tgt Ion: 43 Resp: 148
Ion Ratio Lower Upper
43 100
58 53.4 31.4 94.0



#62
4-Bromofluorobenzene
Concen: 32.540 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

Tgt Ion: 95 Resp: 9816
Ion Ratio Lower Upper
95 100
174 86.3 0.0 175.6
176 84.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY018148.D

Acq: 03 May 2024 17:20

Instrument :

MSVOA_Y

ClientSampleId :

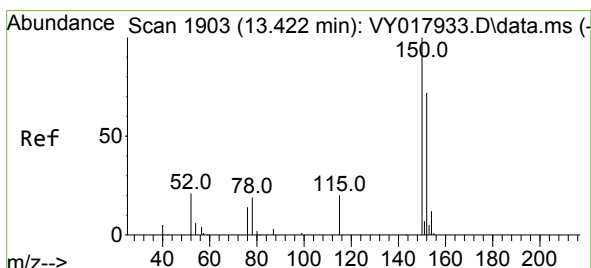
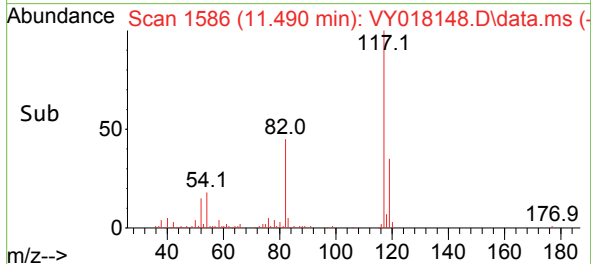
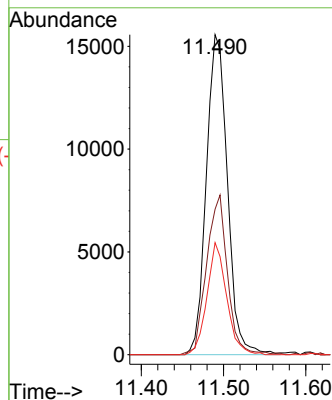
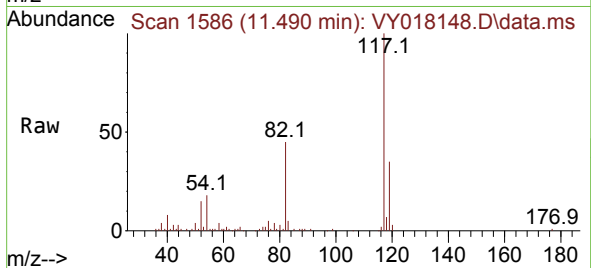
Tgt Ion:117 Resp: 27758

Ion Ratio Lower Upper

117 100

82 45.4 42.4 63.6

119 35.0 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: VY018148.D

Acq: 03 May 2024 17:20

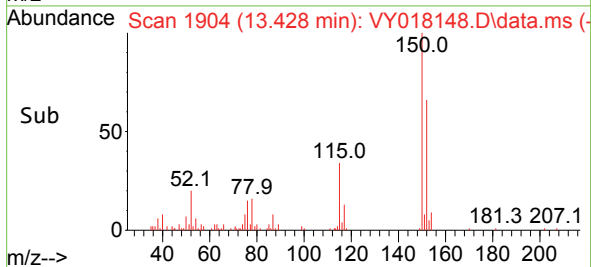
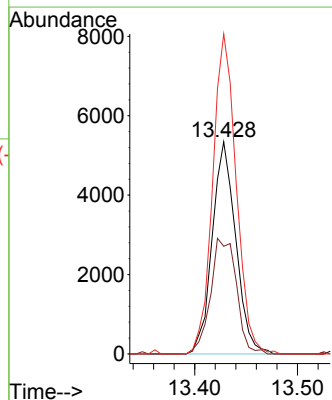
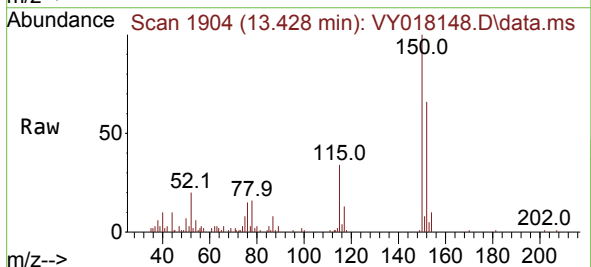
Tgt Ion:152 Resp: 8503

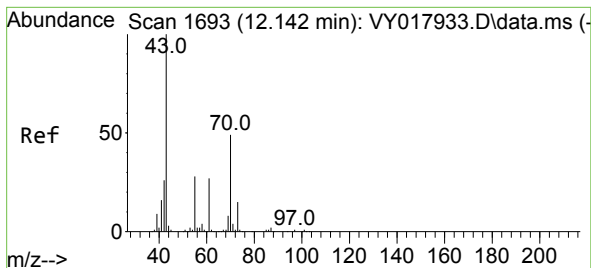
Ion Ratio Lower Upper

152 100

115 59.7 28.2 84.7

150 150.4 0.0 345.6





#74

N-amy1 acetate

Concen: 1.901 ug/l

RT: 12.154 min Scan# 1

Delta R.T. 0.012 min

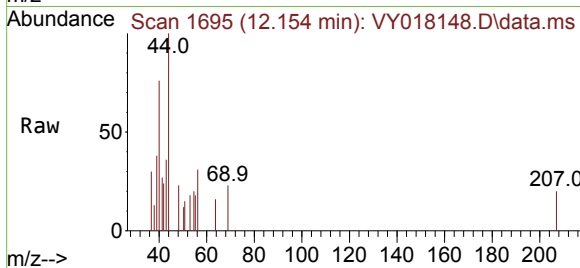
Lab File: VY018148.D

Acq: 03 May 2024 17:20

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 267

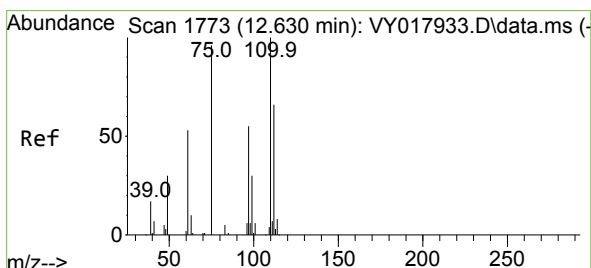
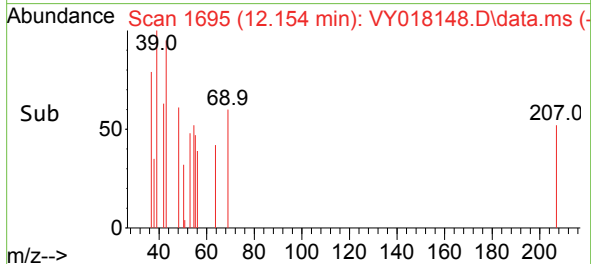
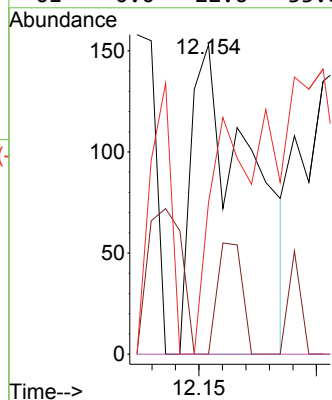
Ion Ratio Lower Upper

43 100

70 15.0 41.4 62.2#

55 50.9 23.3 34.9#

61 0.0 22.6 33.8#



#76

1,2,3-Trichloropropane

Concen: 70.164 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY018148.D

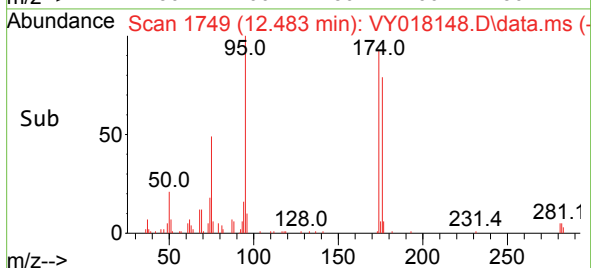
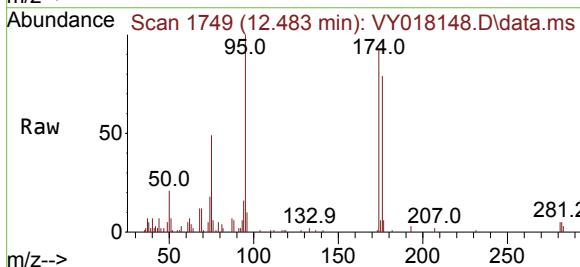
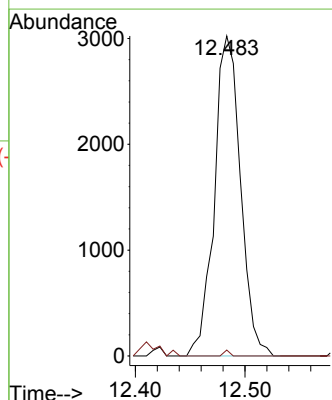
Acq: 03 May 2024 17:20

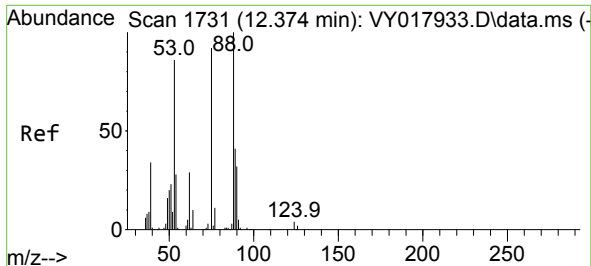
Tgt Ion: 75 Resp: 5007

Ion Ratio Lower Upper

75 100

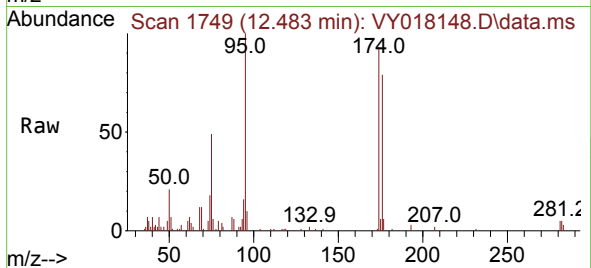
77 0.4 0.0 0.0#



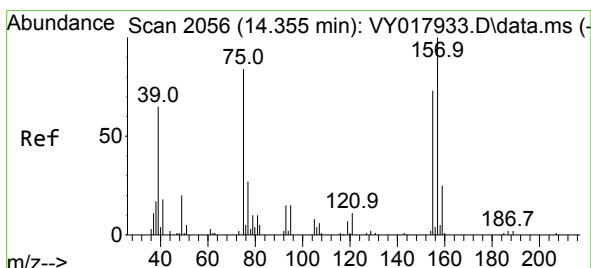
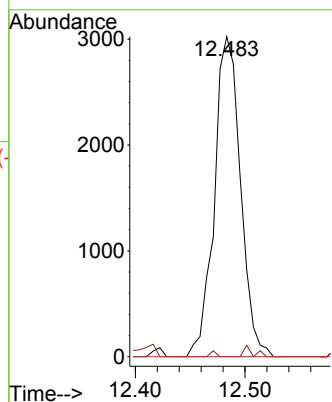
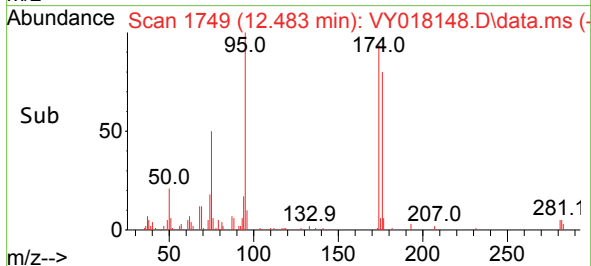


#81
trans-1,4-Dichloro-2-butene
Concen: 127.822 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20

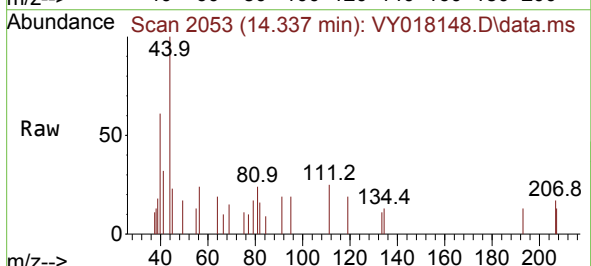
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 5007
Ion Ratio Lower Upper
75 100
53 0.4 66.8 100.2#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.497 ug/l
RT: 14.337 min Scan# 2053
Delta R.T. -0.018 min
Lab File: VY018148.D
Acq: 03 May 2024 17:20



Tgt Ion: 75 Resp: 23
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#

