

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050924\
 Data File : VY018221.D
 Acq On : 09 May 2024 19:41
 Operator : SY/MD
 Sample : P2432-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 10 01:22:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

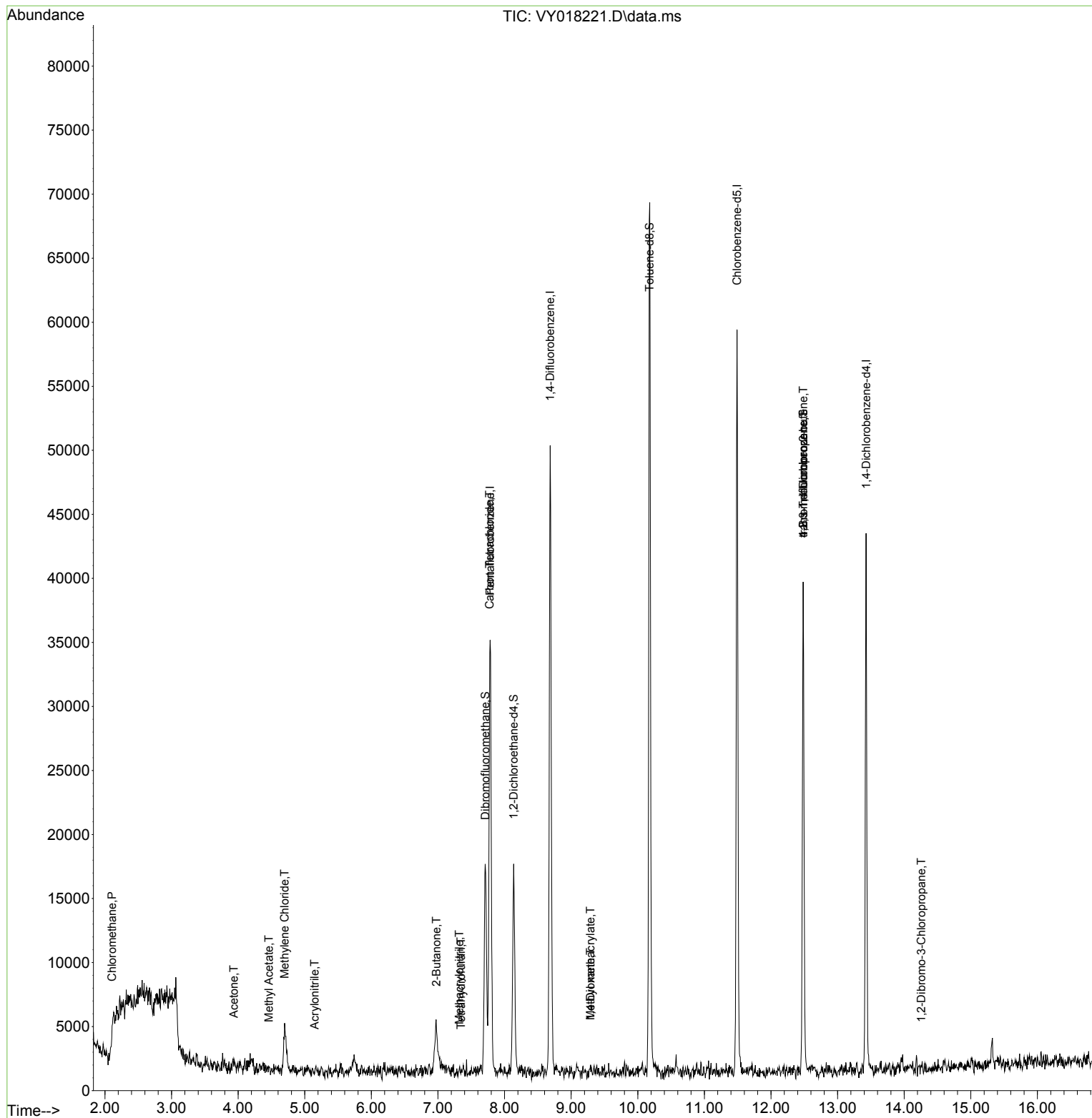
Internal Standards						
1) Pentafluorobenzene	7.783	168	26428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	44145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	33190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	10408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	10963	56.387	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.780%			
35) Dibromofluoromethane	7.710	113	11877	51.193	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.380%			
50) Toluene-d8	10.179	98	48268	52.796	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.600%			
62) 4-Bromofluorobenzene	12.483	95	11763	39.842	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.680%			
Target Compounds			Qvalue			
3) Chloromethane	2.107	50	396	1.411	ug/l #	43
11) Tert butyl alcohol	4.936	59	130	Below Cal	#	88
13) Acrolein	3.711	56	22	Below Cal	#	1
15) Acrylonitrile	5.149	53	67	1.329	ug/l #	71
16) Acetone	3.936	43	1081	27.862	ug/l	99
18) Methyl Acetate	4.460	43	161	1.457	ug/l #	46
20) Methylene Chloride	4.698	84	2682	9.780	ug/l	97
25) 2-Butanone	6.978	43	198	3.193	ug/l #	82
29) Tetrahydrofuran	7.344	42	169	4.128	ug/l #	36
31) Cyclohexane	7.771	56	433	Below Cal	#	63
38) Carbon Tetrachloride	7.777	117	2814	7.743	ug/l #	22
41) Methacrylonitrile	7.320	41	226	2.796	ug/l #	29
48) Methyl methacrylate	9.289	41	138	1.049	ug/l #	27
49) 1,4-Dioxane	9.289	88	21	11.766	ug/l #	20
76) 1,2,3-Trichloropropane	12.483	75	6079	72.969	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6079	140.587	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.257	75	25	1.475	ug/l #	1

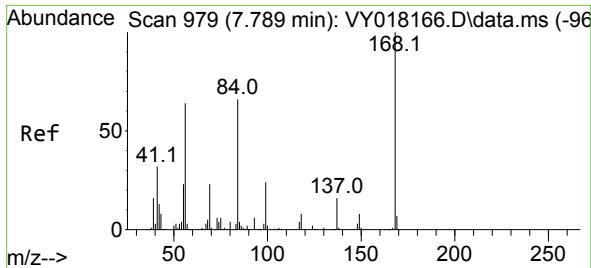
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 10 01:22:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260
QLast Update : Wed May 08 01:40:14 2024
Response via : Initial Calibration

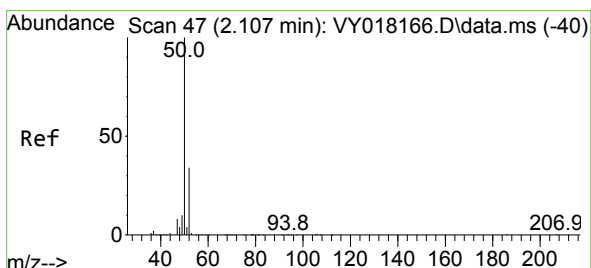
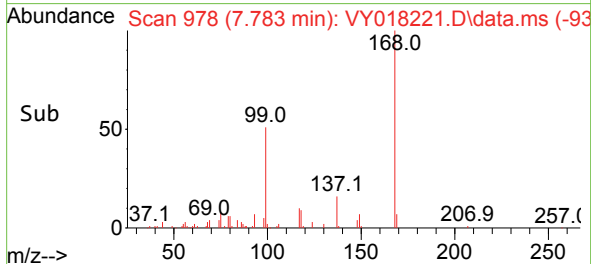
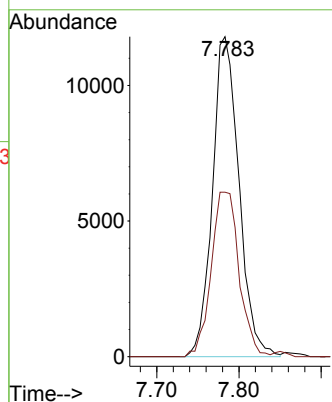
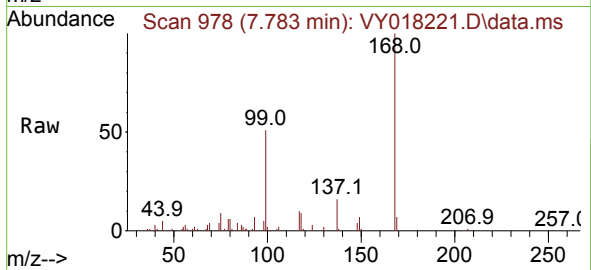




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

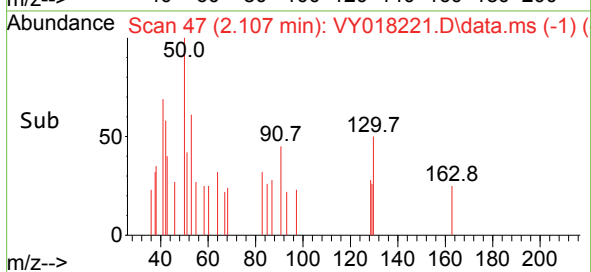
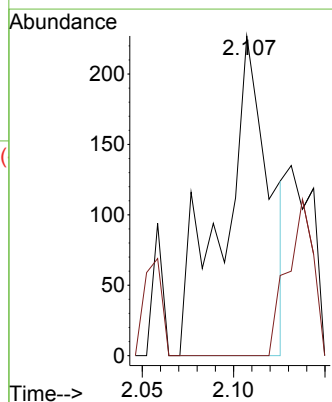
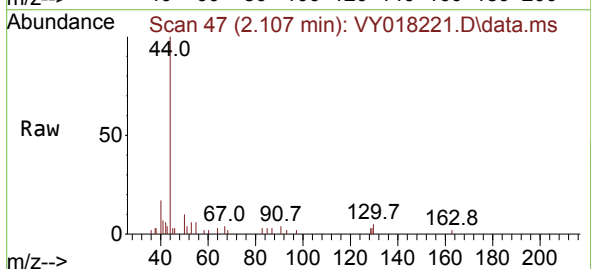
Instrument :
MSVOA_Y
ClientSampleId :

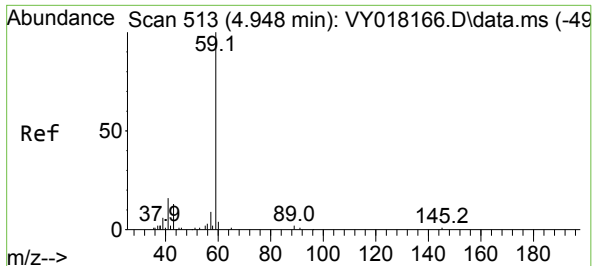
Tgt Ion:168 Resp: 26428
Ion Ratio Lower Upper
168 100
99 51.4 39.1 58.7



#3
Chloromethane
Concen: 1.411 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

Tgt Ion: 50 Resp: 396
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY018221.D

Acq: 09 May 2024 19:41

Instrument :

MSVOA_Y

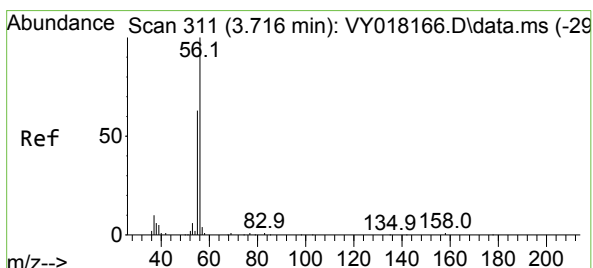
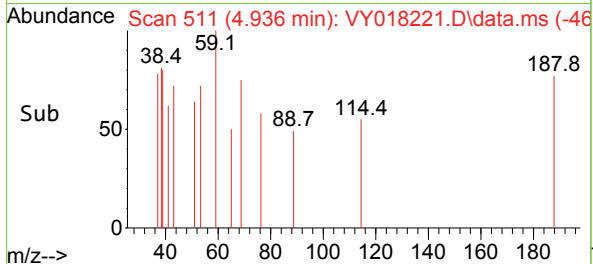
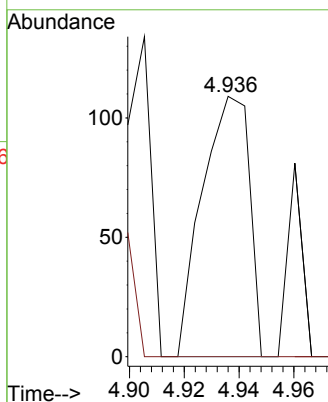
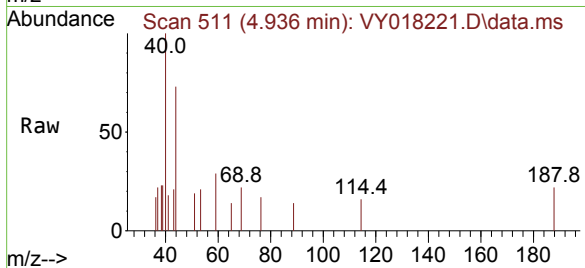
ClientSampleId :

Tgt Ion: 59 Resp: 130

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.711 min Scan# 310

Delta R.T. -0.005 min

Lab File: VY018221.D

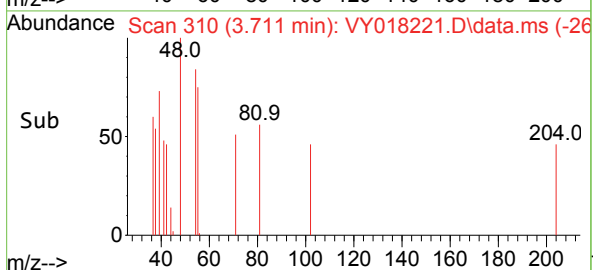
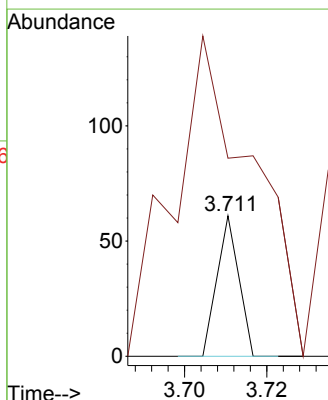
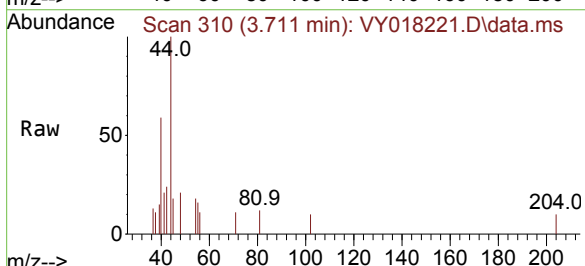
Acq: 09 May 2024 19:41

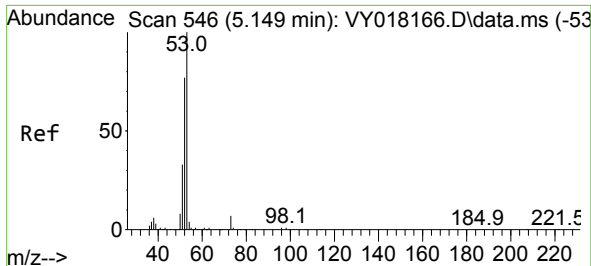
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

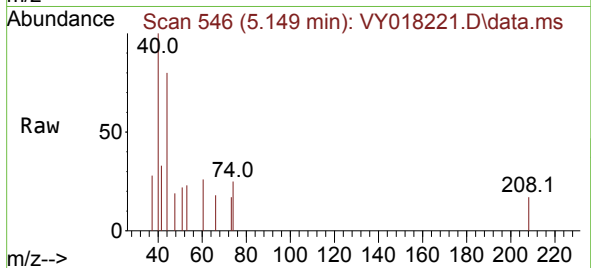
55 845.5 55.7 83.5#



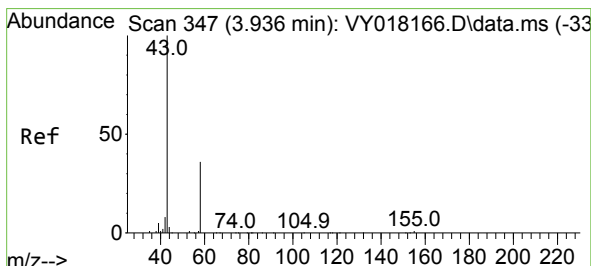
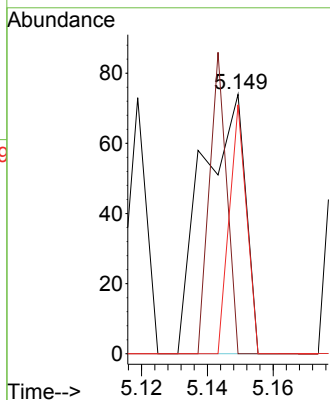
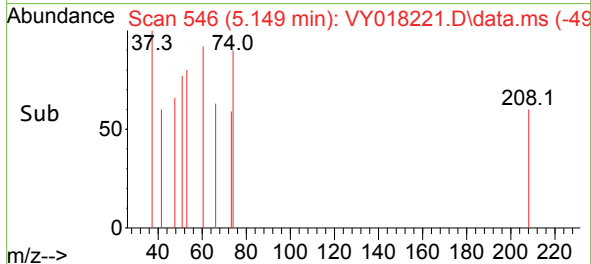


#15
Acrylonitrile
Concen: 1.329 ug/l
RT: 5.149 min Scan# 546
Delta R.T. 0.000 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

Instrument :
MSVOA_Y
ClientSampleId :

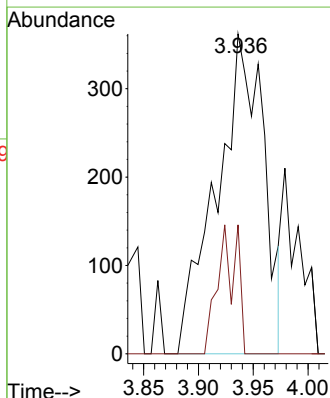
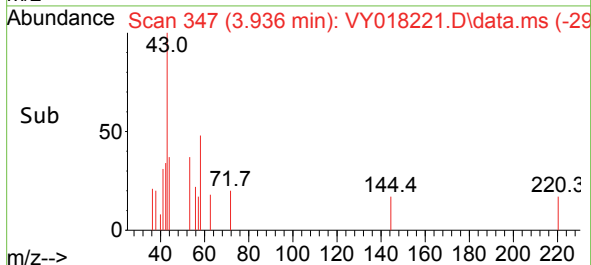
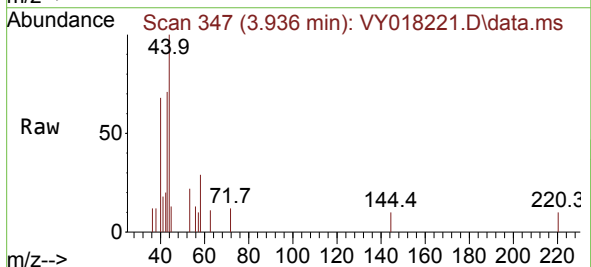


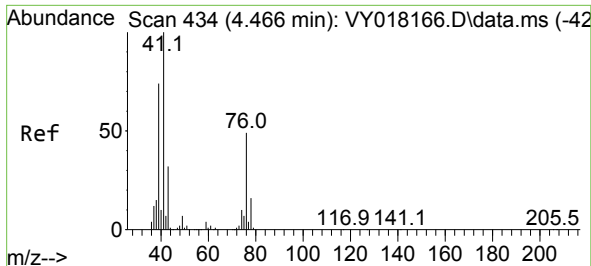
Tgt Ion: 53 Resp: 67
Ion Ratio Lower Upper
53 100
52 46.3 64.7 97.1#
51 38.8 28.4 42.6



#16
Acetone
Concen: 27.862 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

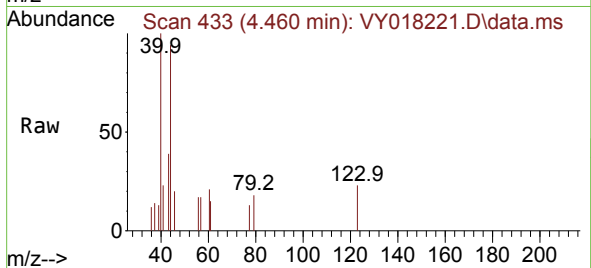
Tgt Ion: 43 Resp: 1081
Ion Ratio Lower Upper
43 100
58 40.3 31.7 47.5



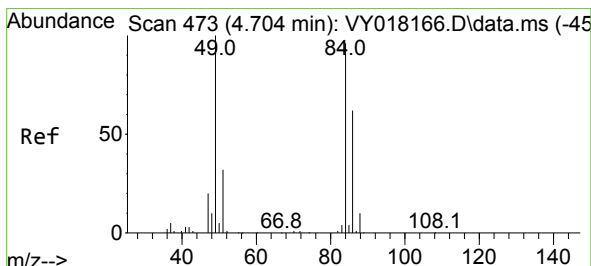
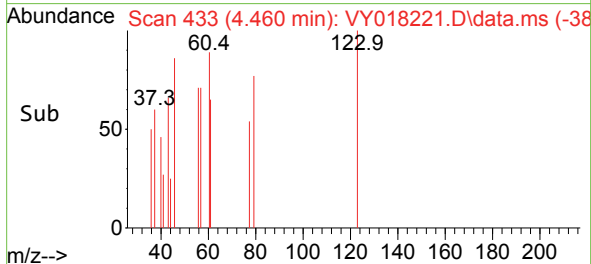
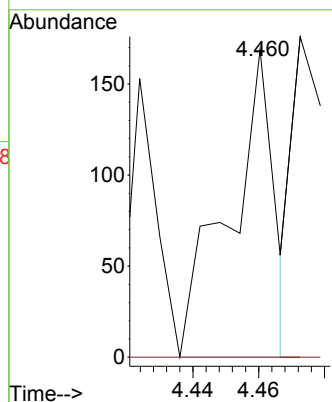


#18
Methyl Acetate
Concen: 1.457 ug/l
RT: 4.460 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

Instrument :
MSVOA_Y
ClientSampleId :

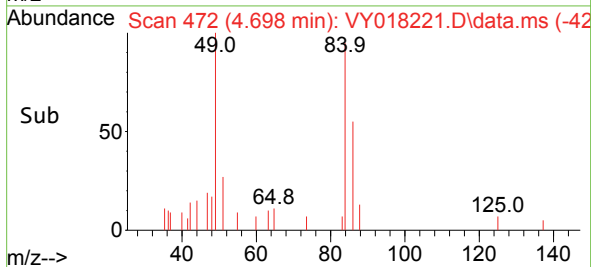
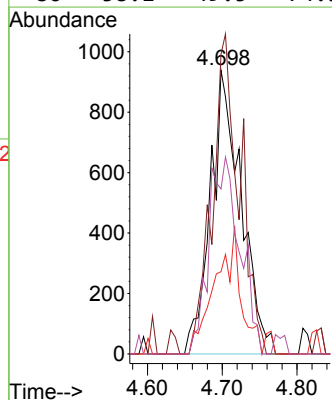
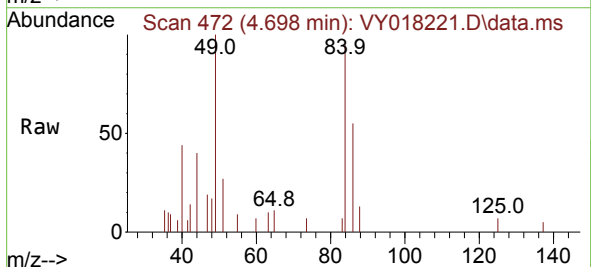


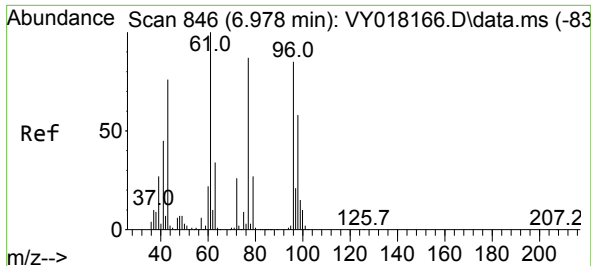
Tgt Ion: 43 Resp: 161
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



#20
Methylene Chloride
Concen: 9.780 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

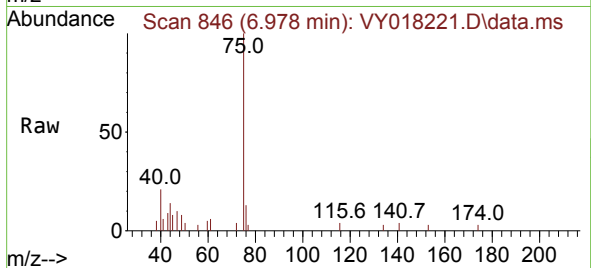
Tgt Ion: 84 Resp: 2682
Ion Ratio Lower Upper
84 100
49 105.6 84.4 126.6
51 29.0 26.0 39.0
86 58.1 49.5 74.3



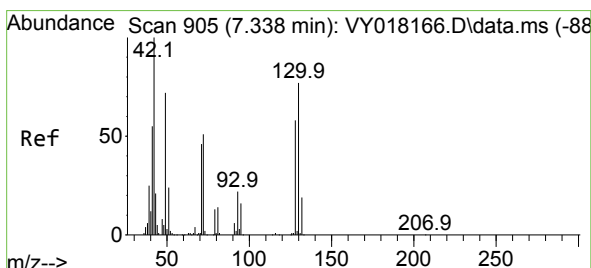
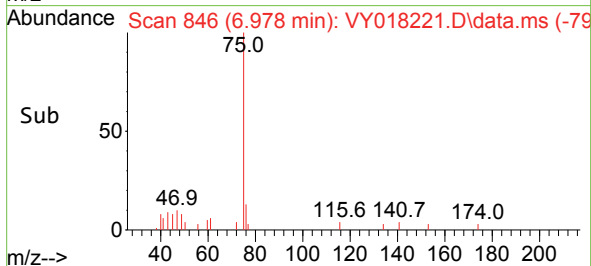
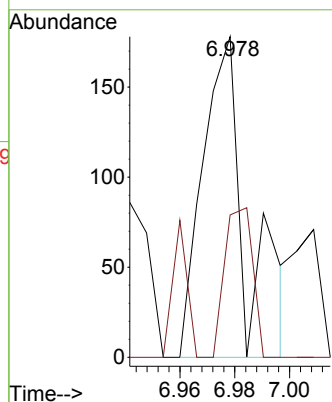


#25
2-Butanone
Concen: 3.193 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

Instrument :
MSVOA_Y
ClientSampleId :

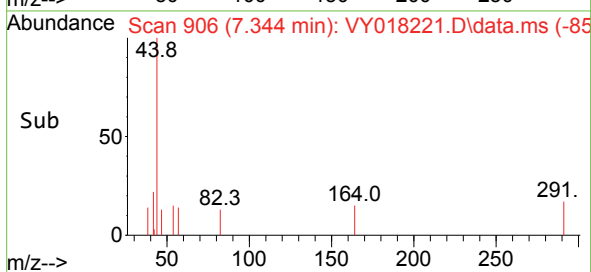
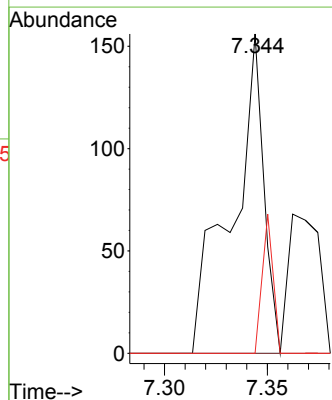
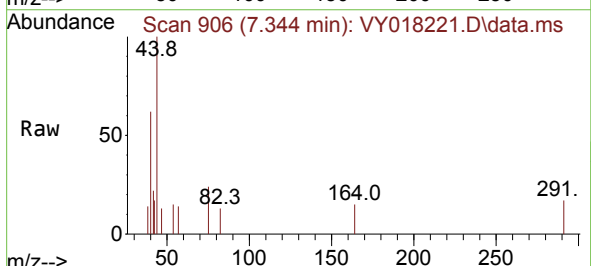


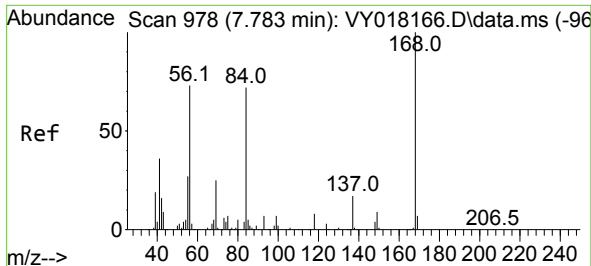
Tgt Ion: 43 Resp: 198
Ion Ratio Lower Upper
43 100
72 44.4 27.3 40.9#



#29
Tetrahydrofuran
Concen: 4.128 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

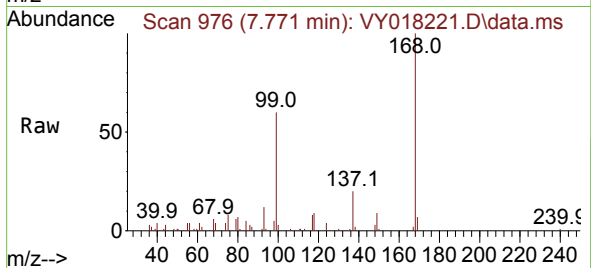
Tgt Ion: 42 Resp: 169
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 14.8 40.8 61.2#



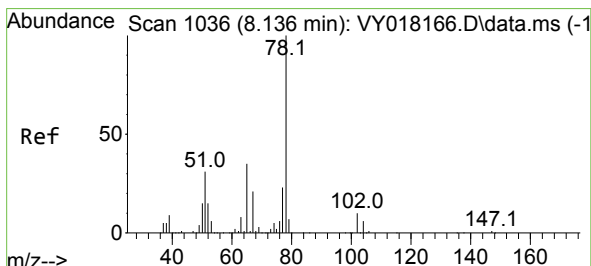
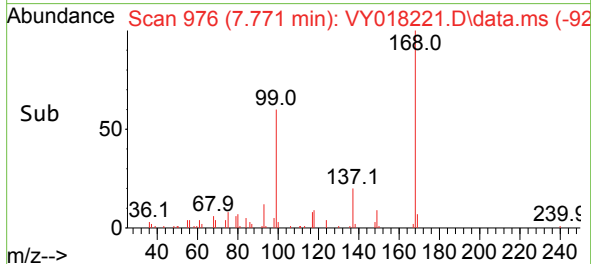
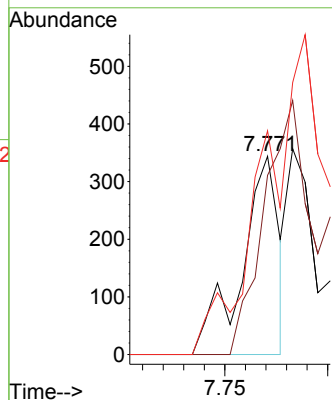


#31
Cyclohexane
Concen: Below Cal
RT: 7.771 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

Instrument :
MSVOA_Y
ClientSampleId :

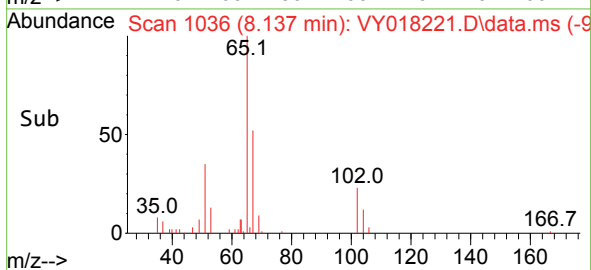
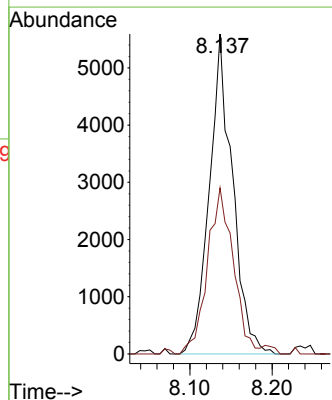
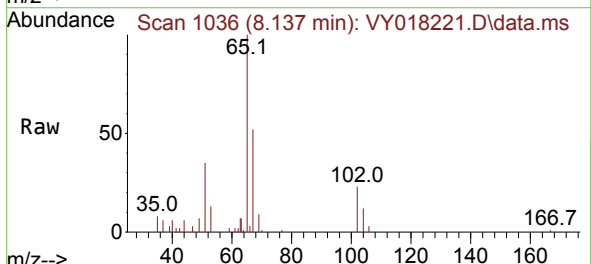


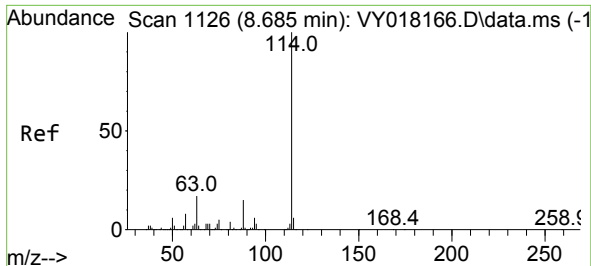
Tgt Ion: 56 Resp: 433
Ion Ratio Lower Upper
56 100
69 90.4 28.7 43.1#
84 112.8 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 56.387 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

Tgt Ion: 65 Resp: 10963
Ion Ratio Lower Upper
65 100
67 57.9 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY018221.D

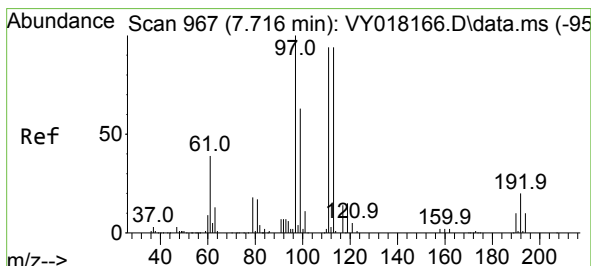
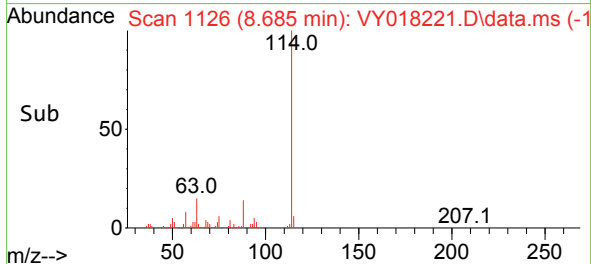
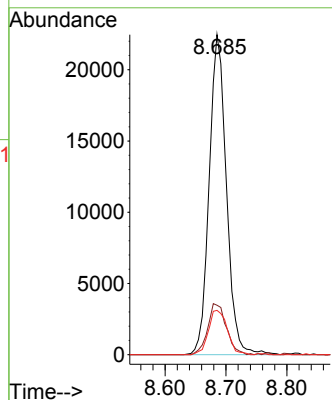
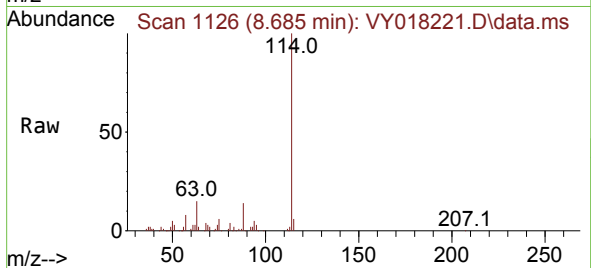
Acq: 09 May 2024 19:41

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	44145
Ion Ratio	Lower	Upper
114	100	
63	15.5	0.0 35.0
88	13.8	0.0 27.2



#35

Dibromofluoromethane

Concen: 51.193 ug/l

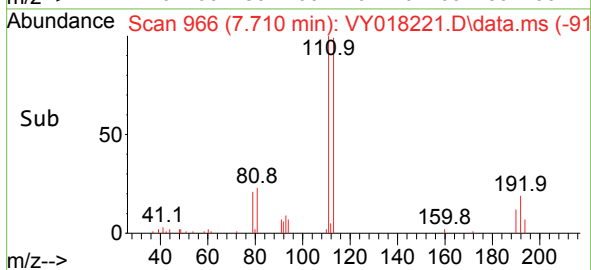
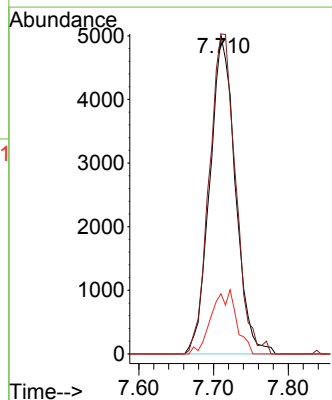
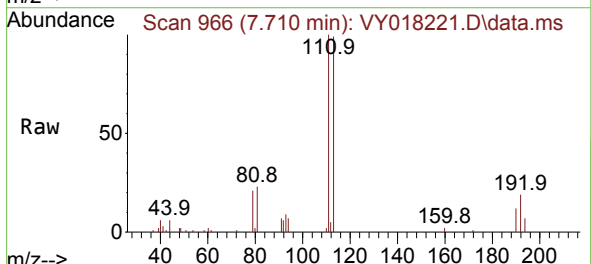
RT: 7.710 min Scan# 966

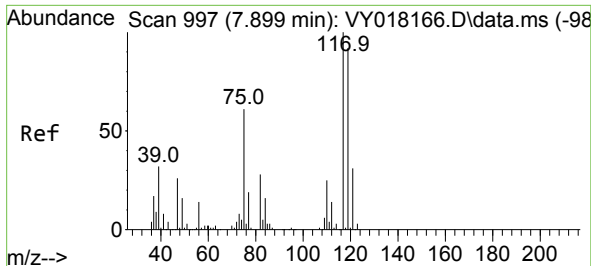
Delta R.T. -0.006 min

Lab File: VY018221.D

Acq: 09 May 2024 19:41

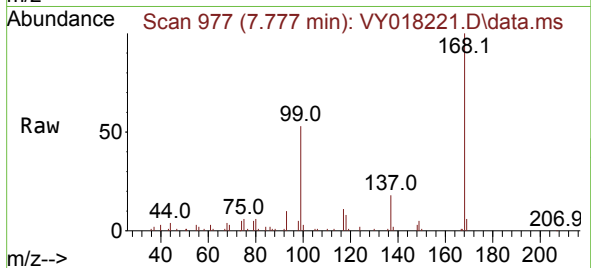
Tgt Ion:113	Resp:	11877
Ion Ratio	Lower	Upper
113	100	
111	103.9	82.2 123.4
192	19.6	15.9 23.9



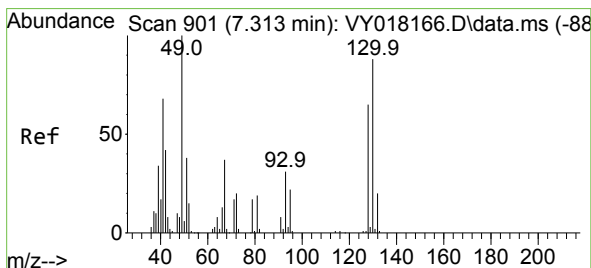
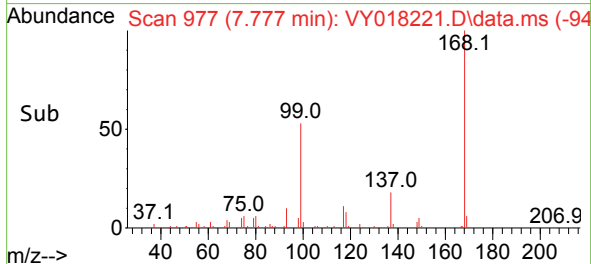
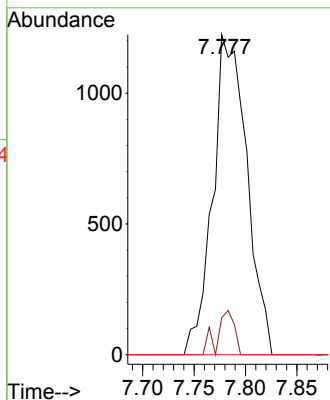


#38
Carbon Tetrachloride
Concen: 7.743 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

Instrument :
MSVOA_Y
ClientSampleId :

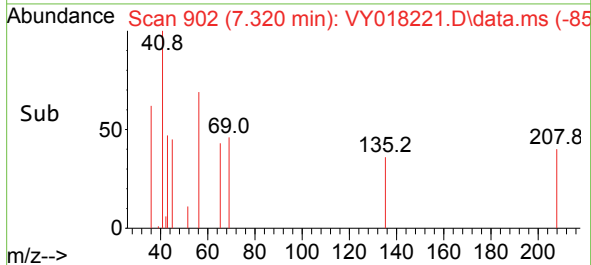
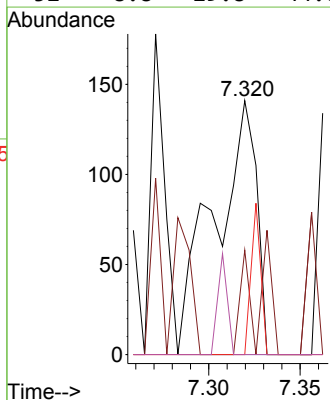
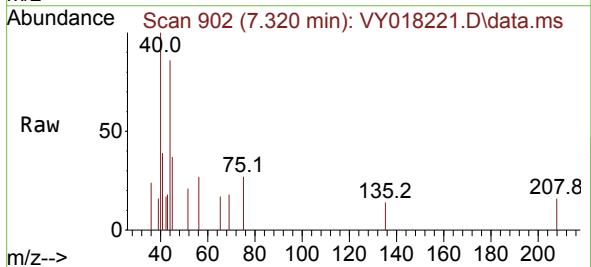


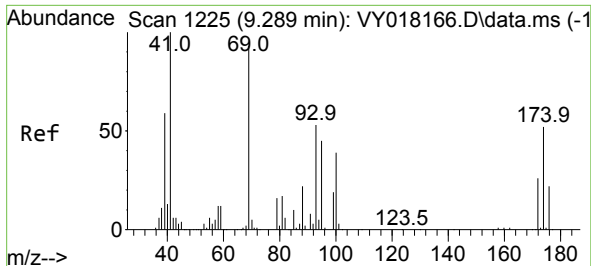
Tgt Ion:117 Resp: 2814
Ion Ratio Lower Upper
117 100
119 11.5 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 2.796 ug/l
RT: 7.320 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

Tgt Ion: 41 Resp: 226
Ion Ratio Lower Upper
41 100
39 9.3 48.0 72.0#
67 13.7 75.1 112.7#
52 8.8 29.8 44.6#

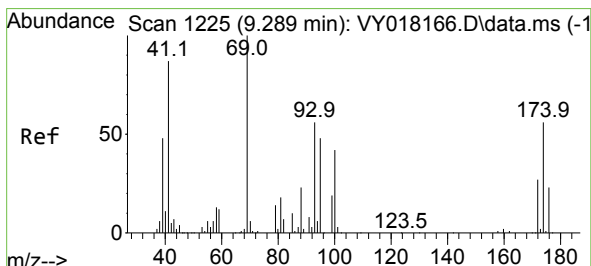
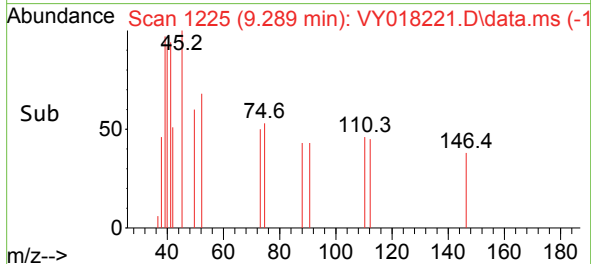
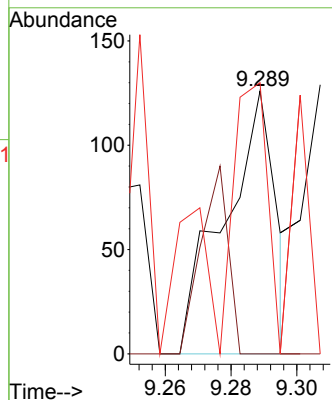
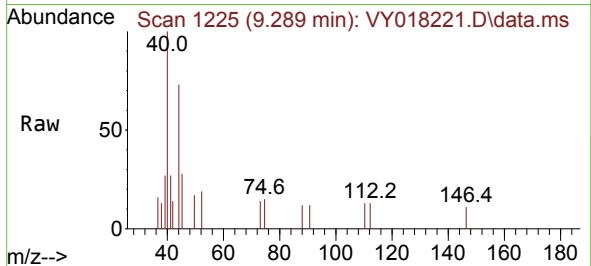




#48
Methyl methacrylate
Concen: 1.049 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. 0.000 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

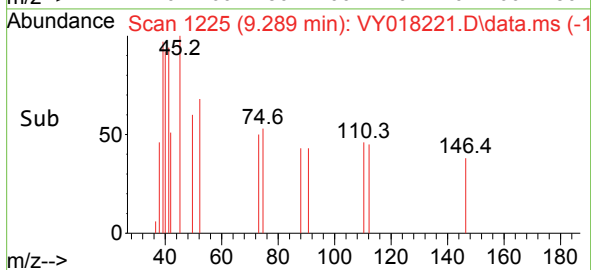
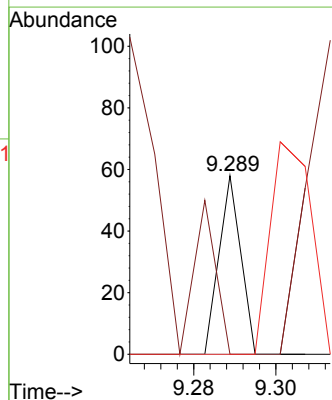
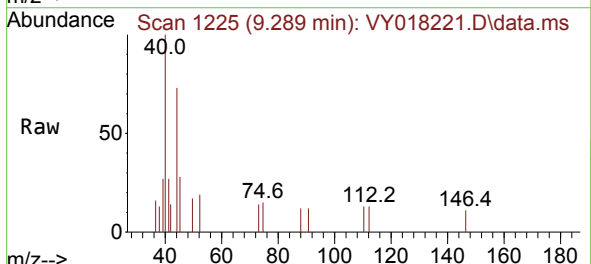
Instrument :
MSVOA_Y
ClientSampleId :

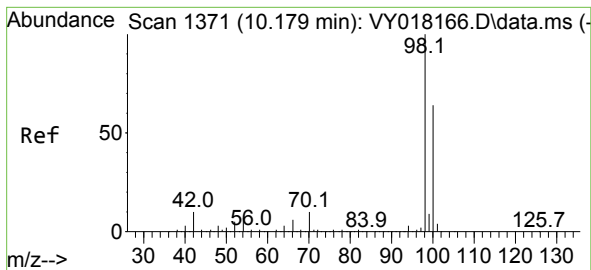
Tgt Ion: 41 Resp: 138
Ion Ratio Lower Upper
41 100
69 37.7 84.1 126.1#
39 118.1 43.6 65.4#



#49
1,4-Dioxane
Concen: 11.766 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. 0.000 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 49.3 73.9#

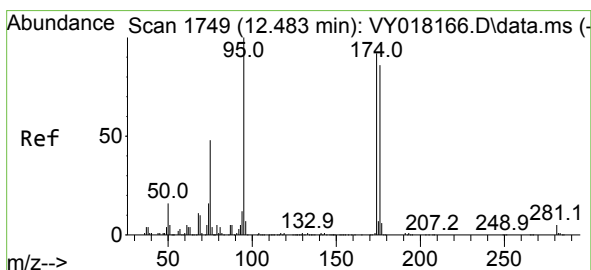
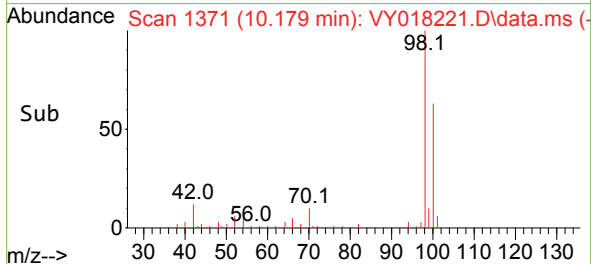
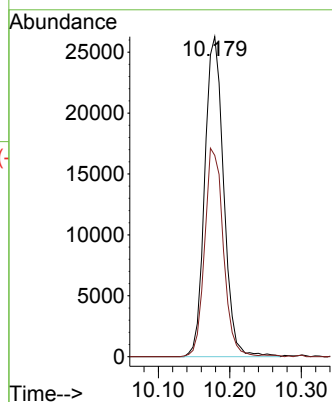
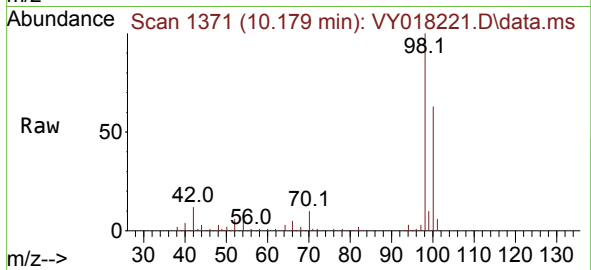




#50
Toluene-d8
Concen: 52.796 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

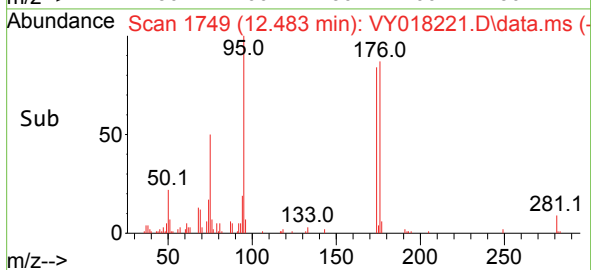
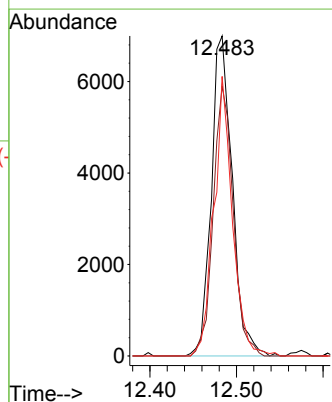
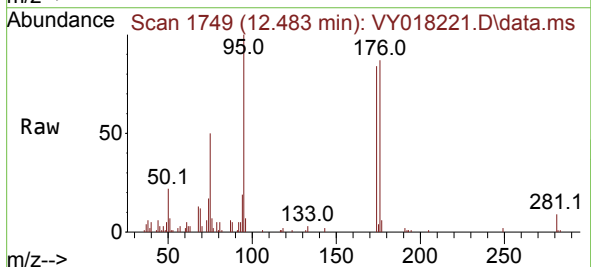
Instrument :
MSVOA_Y
ClientSampleId :

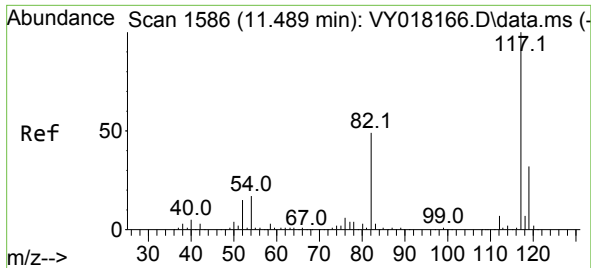
Tgt Ion: 98 Resp: 48268
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 39.842 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

Tgt Ion: 95 Resp: 11763
Ion Ratio Lower Upper
95 100
174 80.7 0.0 175.6
176 77.8 0.0 171.4

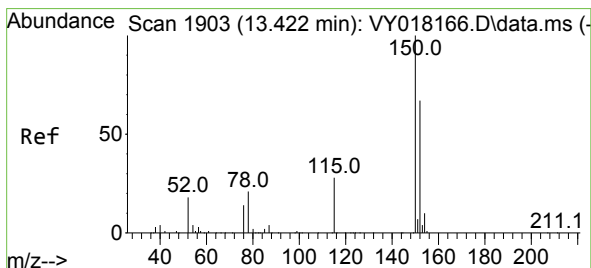
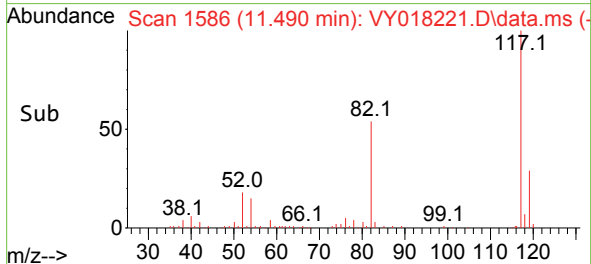
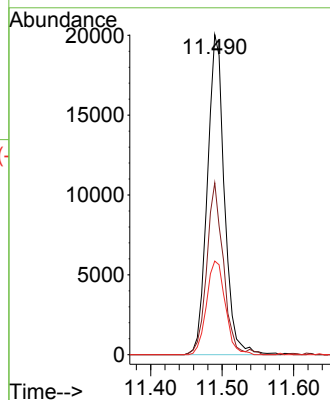
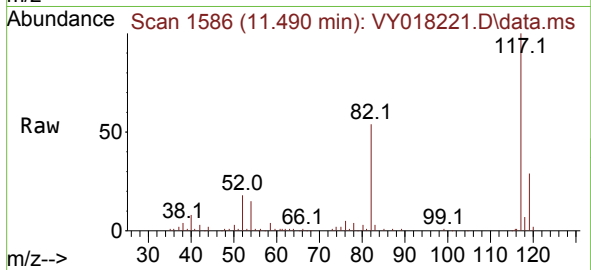




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

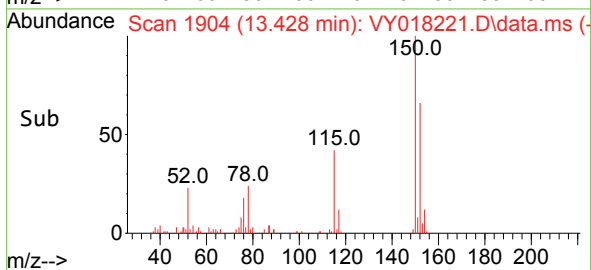
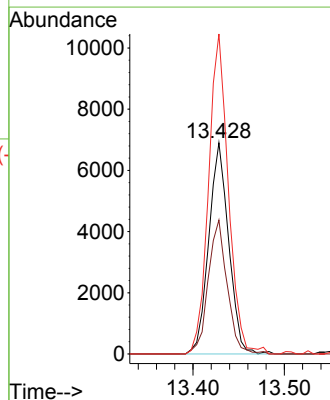
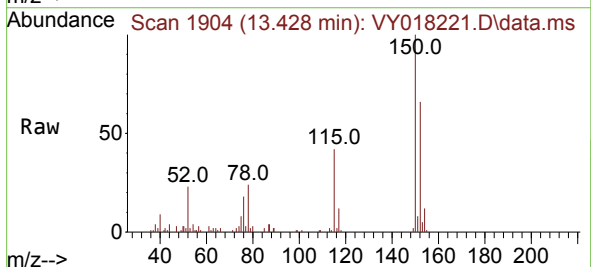
Instrument :
MSVOA_Y
ClientSampleId :

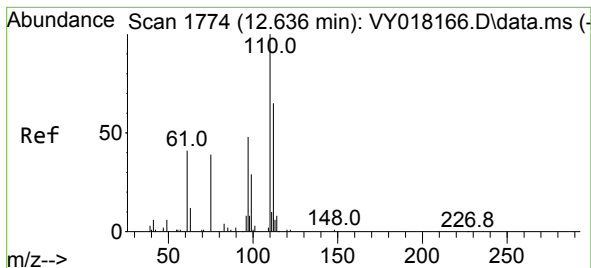
Tgt Ion:117 Resp: 33190
Ion Ratio Lower Upper
117 100
82 53.7 42.4 63.6
119 29.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

Tgt Ion:152 Resp: 10408
Ion Ratio Lower Upper
152 100
115 60.5 28.2 84.7
150 150.9 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 72.969 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

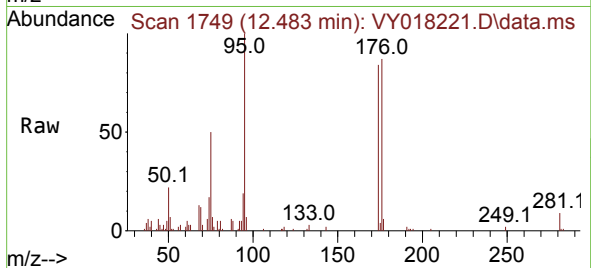
Lab File: VY018221.D

Acq: 09 May 2024 19:41

Instrument :

MSVOA_Y

ClientSampleId :

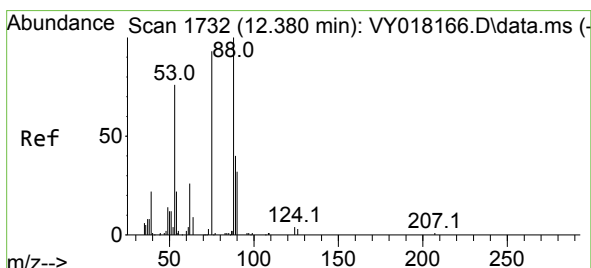
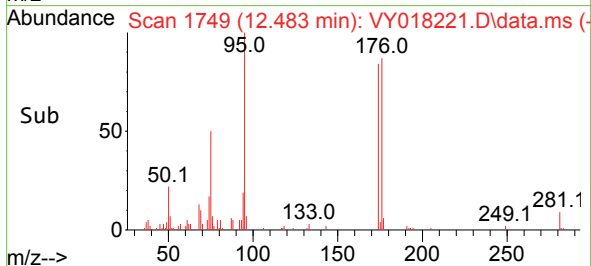
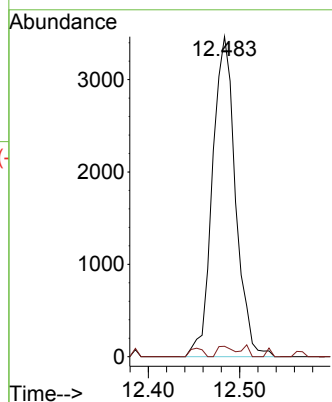


Tgt Ion: 75 Resp: 6079

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.587 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY018221.D

Acq: 09 May 2024 19:41

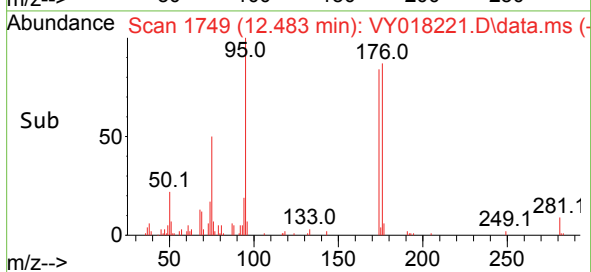
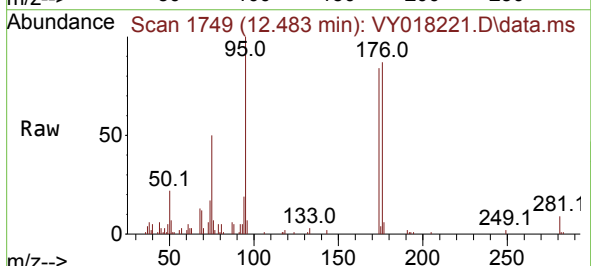
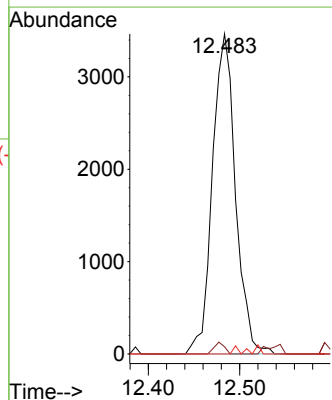
Tgt Ion: 75 Resp: 6079

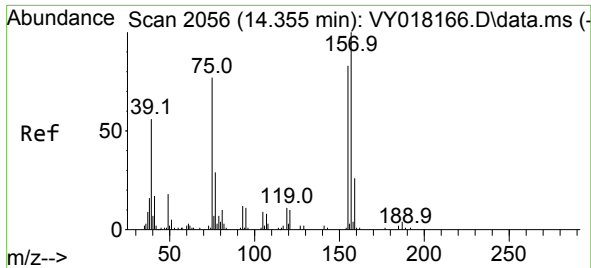
Ion Ratio Lower Upper

75 100

53 1.6 66.8 100.2#

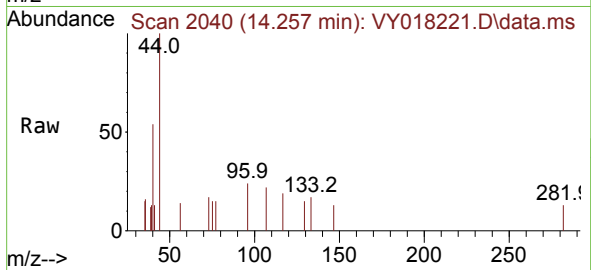
89 0.5 35.8 53.6#





#92
1,2-Dibromo-3-Chloropropane
Concen: 1.475 ug/l
RT: 14.257 min Scan# 2056
Delta R.T. -0.097 min
Lab File: VY018221.D
Acq: 09 May 2024 19:41

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#

