

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061224\
 Data File : VY018571.D
 Acq On : 12 Jun 2024 16:04
 Operator : SY/MD
 Sample : P2812-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 13 00:56:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060324S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 07:11:56 2024
 Response via : Initial Calibration

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

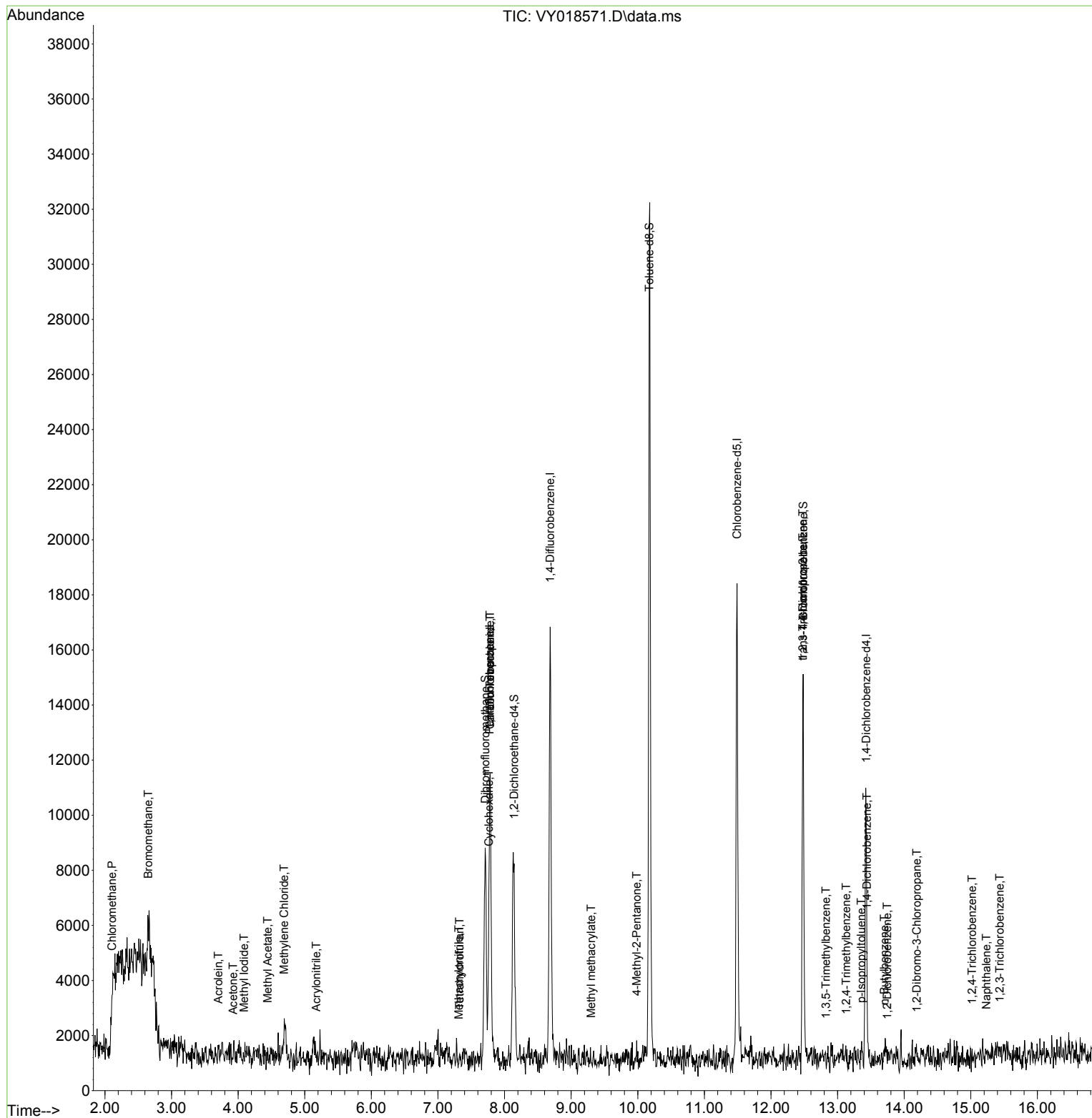
Internal Standards						
1) Pentafluorobenzene	7.777	168	6885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	12241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	8775	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	5900	43.636	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.280%
35) Dibromofluoromethane	7.710	113	5381	34.666	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	69.340%
50) Toluene-d8	10.173	98	19575	31.699	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	63.400%
62) 4-Bromofluorobenzene	12.483	95	4481	23.306	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	46.620%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	377	1.849	ug/l #	43
5) Bromomethane	2.650	94	746	4.584	ug/l	89
10) Methyl Iodide	4.088	142	203	1.406	ug/l #	42
11) Tert butyl alcohol	4.930	59	19	Below Cal	#	1
13) Acrolein	3.704	56	74	5.347	ug/l #	15
15) Acrylonitrile	5.174	53	82	2.361	ug/l #	22
16) Acetone	3.924	43	239	7.964	ug/l	91
18) Methyl Acetate	4.442	43	184	2.452	ug/l #	65
20) Methylene Chloride	4.692	84	683	1.212	ug/l #	82
29) Tetrahydrofuran	7.326	42	84	2.813	ug/l #	62
31) Cyclohexane	7.765	56	487	1.932	ug/l #	65
36) 1,1-Dichloropropene	7.783	75	854	3.608	ug/l #	42
38) Carbon Tetrachloride	7.783	117	1029	4.339	ug/l #	24
41) Methacrylonitrile	7.314	41	118	2.052	ug/l #	15
48) Methyl methacrylate	9.301	41	187	1.838	ug/l #	21
51) 4-Methyl-2-Pentanone	9.984	43	151	1.315	ug/l	89
76) 1,2,3-Trichloropropane	12.477	75	2400	90.232	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.825	105	175	1.015	ug/l #	56
81) trans-1,4-Dichloro-2-b...	12.477	75	2400	189.570	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.130	105	221	1.309	ug/l #	30
86) p-Isopropyltoluene	13.355	119	201	1.061	ug/l #	51
88) 1,4-Dichlorobenzene	13.440	146	214	2.350	ug/l #	56
89) n-Butylbenzene	13.703	91	216	1.200	ug/l #	33
91) 1,2-Dichlorobenzene	13.745	146	119	1.475	ug/l #	25
92) 1,2-Dibromo-3-Chloropr...	14.190	75	19	3.204	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.019	180	74	1.696	ug/l #	12
95) Naphthalene	15.233	128	98	1.118	ug/l #	34
96) 1,2,3-Trichlorobenzene	15.434	180	78	2.113	ug/l #	36

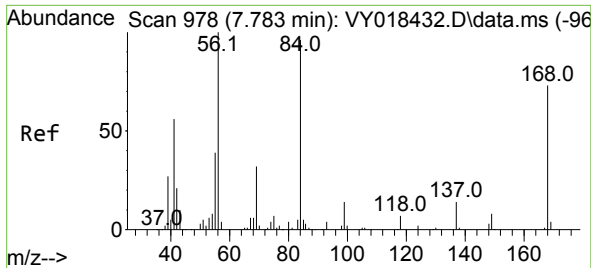
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061224\
Data File : VY018571.D
Acq On : 12 Jun 2024 16:04
Operator : SY/MD
Sample : P2812-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

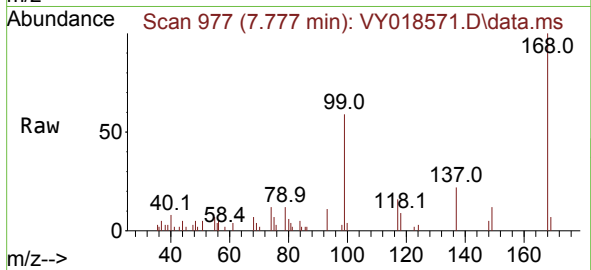
Quant Time: Jun 13 00:56:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060324S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 07:11:56 2024
Response via : Initial Calibration



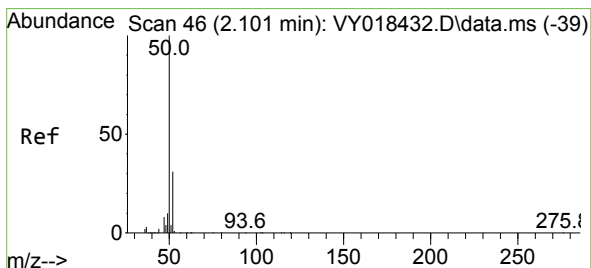
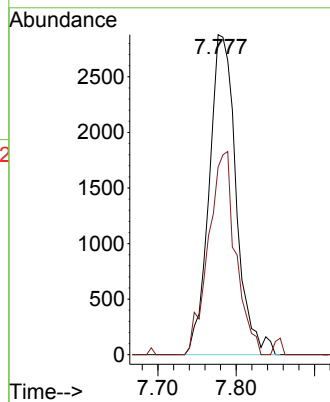
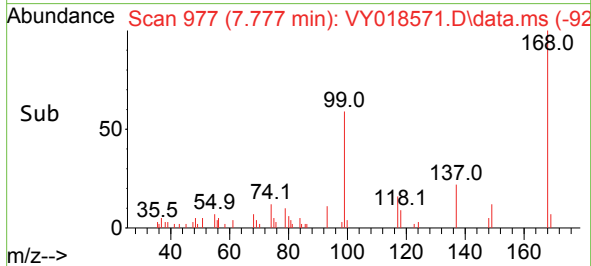


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

Instrument :
MSVOA_Y
ClientSampleId :

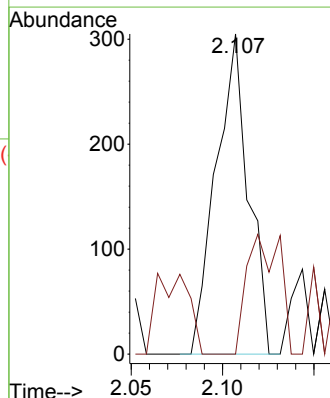
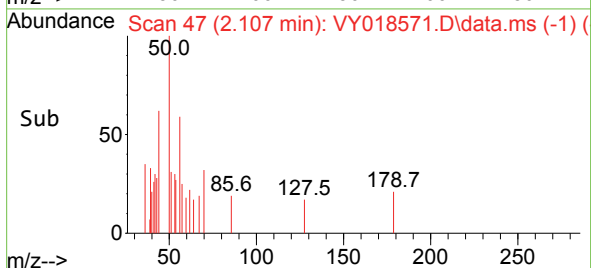
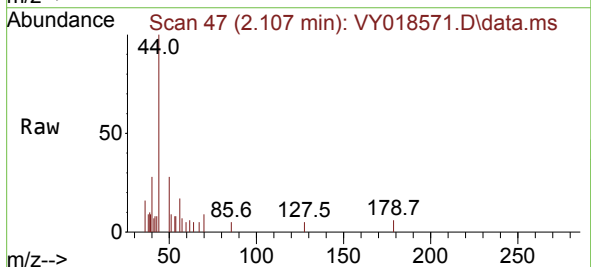


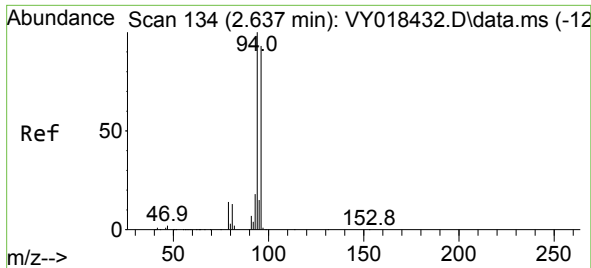
Tgt Ion:168 Resp: 6885
Ion Ratio Lower Upper
168 100
99 58.7 39.1 58.7



#3
Chloromethane
Concen: 1.849 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.006 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

Tgt Ion: 50 Resp: 377
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

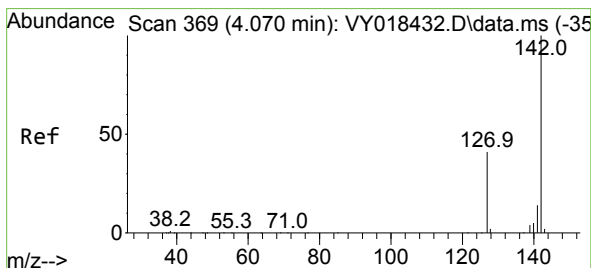
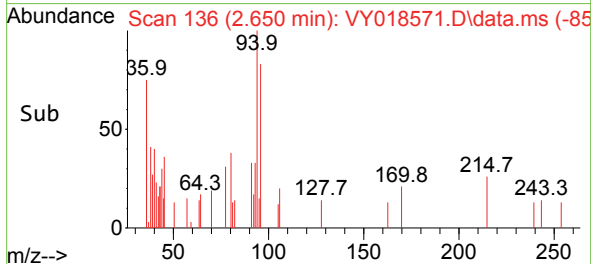
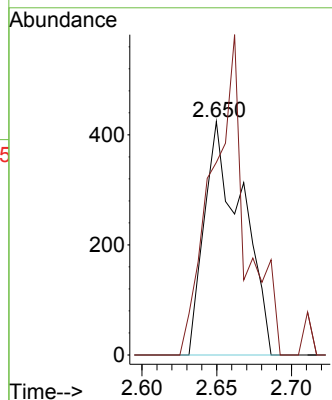
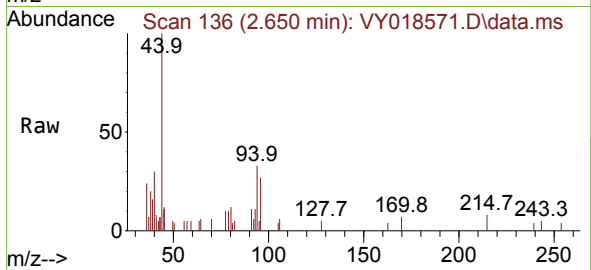




#5
Bromomethane
Concen: 4.584 ug/l
RT: 2.650 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

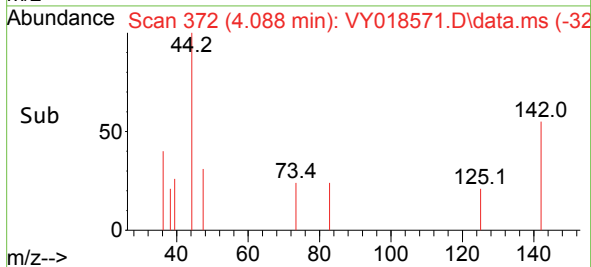
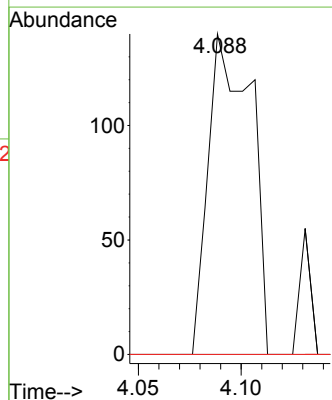
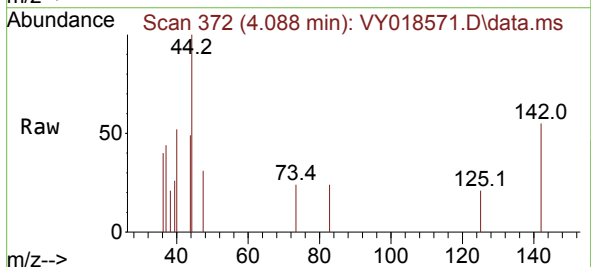
Instrument :
MSVOA_Y
ClientSampleId :

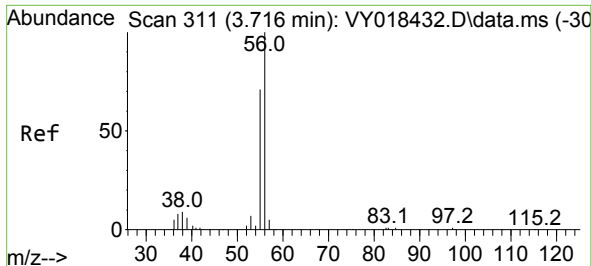
Tgt Ion: 94 Resp: 746
Ion Ratio Lower Upper
94 100
96 82.5 74.1 111.1



#10
Methyl Iodide
Concen: 1.406 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.018 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

Tgt Ion:142 Resp: 203
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#

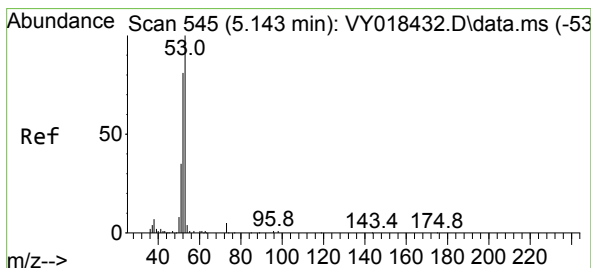
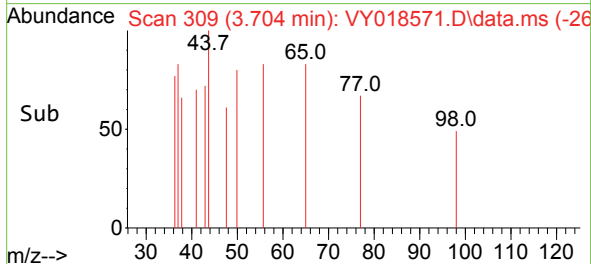
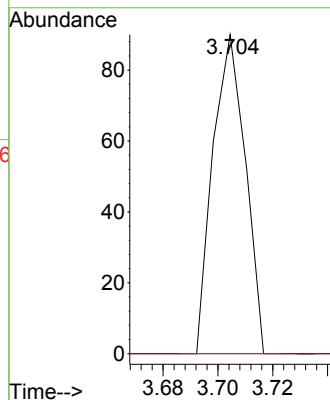
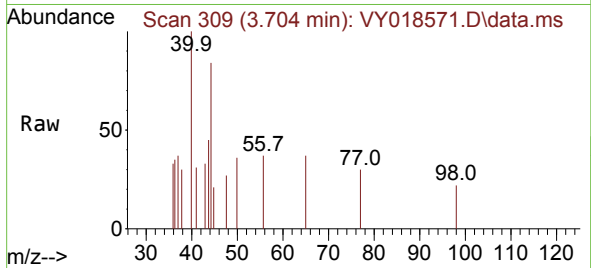




#13
Acrolein
Concen: 5.347 ug/l
RT: 3.704 min Scan# 309
Delta R.T. -0.012 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

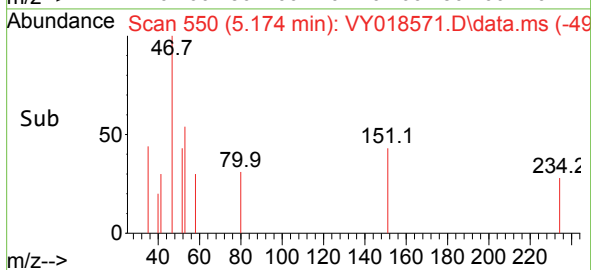
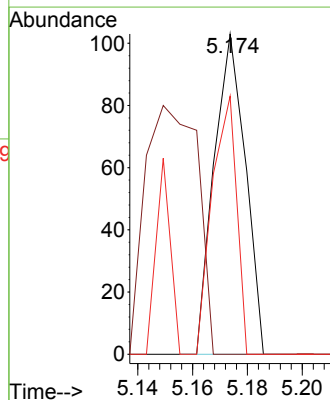
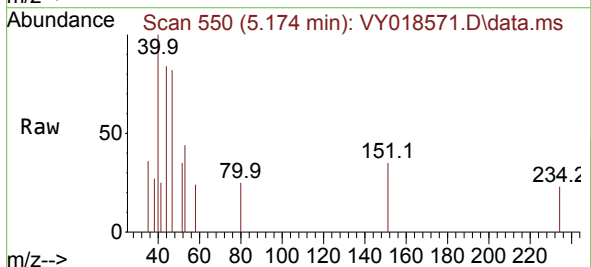
Instrument :
MSVOA_Y
ClientSampleId :

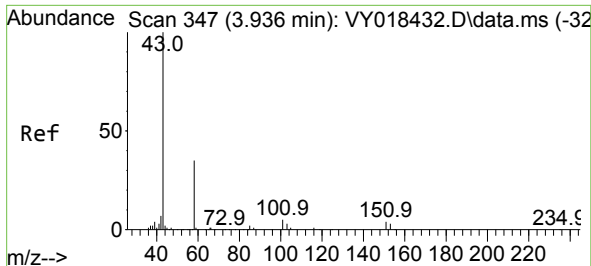
Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#15
Acrylonitrile
Concen: 2.361 ug/l
RT: 5.174 min Scan# 550
Delta R.T. 0.031 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

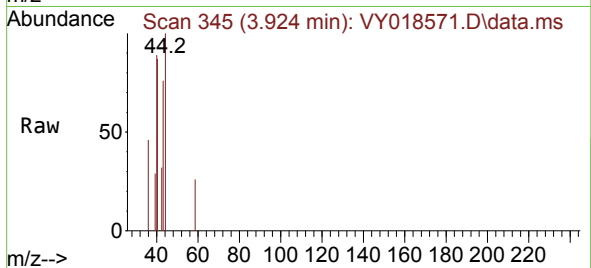
Tgt Ion: 53 Resp: 82
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 63.4 28.4 42.6#



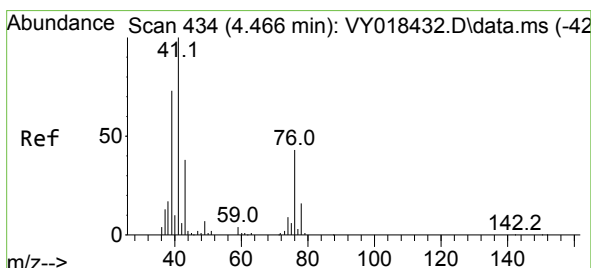
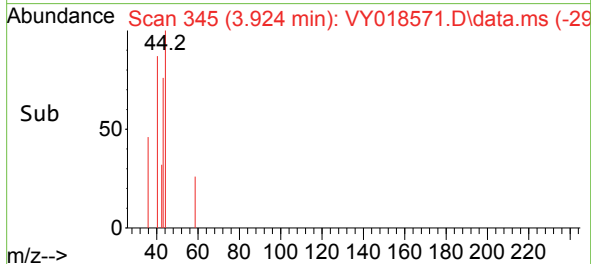
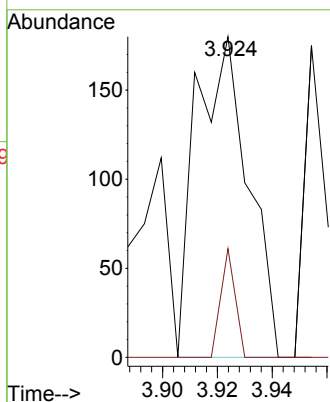


#16
Acetone
Concen: 7.964 ug/l
RT: 3.924 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

Instrument :
MSVOA_Y
ClientSampleId :

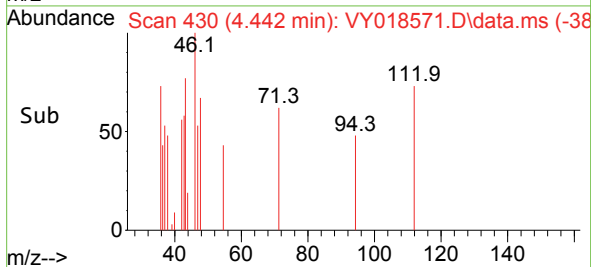
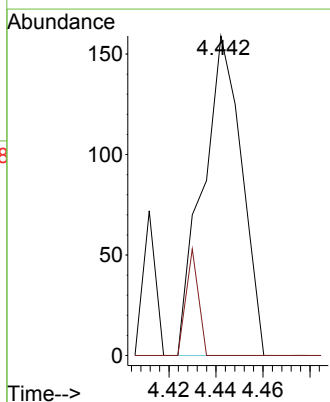
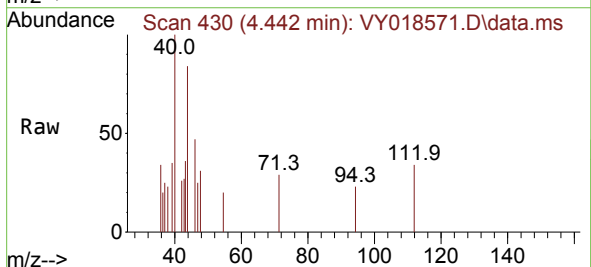


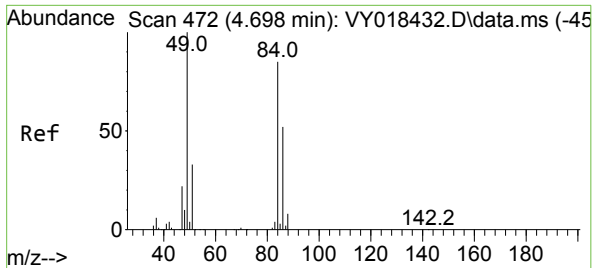
Tgt Ion: 43 Resp: 239
Ion Ratio Lower Upper
43 100
58 33.9 31.7 47.5



#18
Methyl Acetate
Concen: 2.452 ug/l
RT: 4.442 min Scan# 430
Delta R.T. -0.024 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

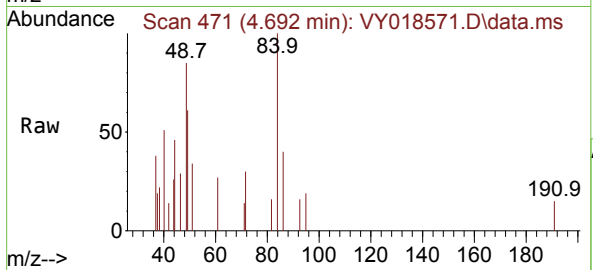
Tgt Ion: 43 Resp: 184
Ion Ratio Lower Upper
43 100
74 10.3 23.3 34.9#





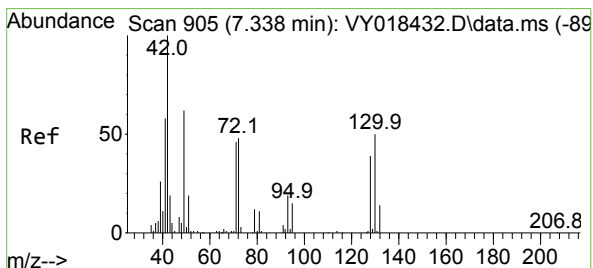
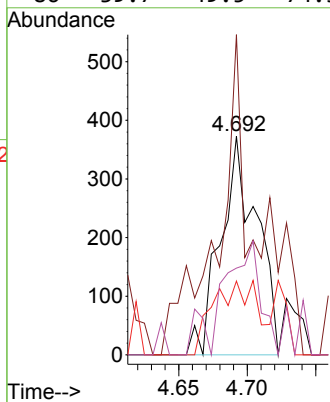
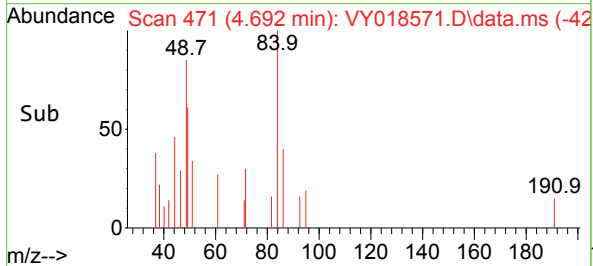
#20
Methylene Chloride
Concen: 1.212 ug/l
RT: 4.692 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

Instrument :
MSVOA_Y
ClientSampleId :

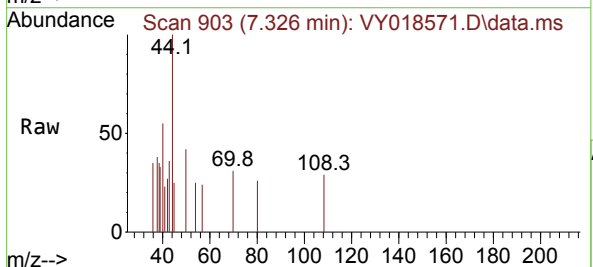


Tgt Ion: 84 Resp: 683

Ion	Ratio	Lower	Upper
84	100		
49	122.8	84.4	126.6
51	33.8	26.0	39.0
86	39.7	49.5	74.3

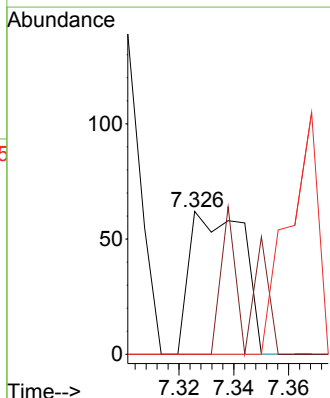
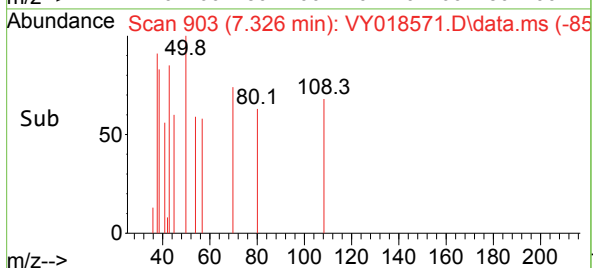


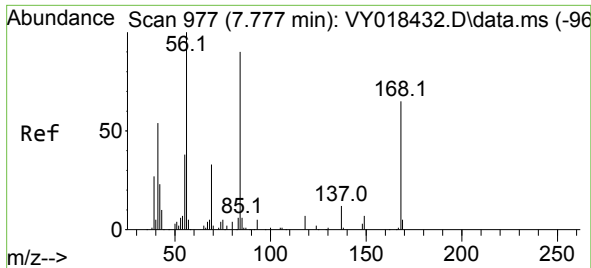
#29
Tetrahydrofuran
Concen: 2.813 ug/l
RT: 7.326 min Scan# 903
Delta R.T. -0.012 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04



Tgt Ion: 42 Resp: 84

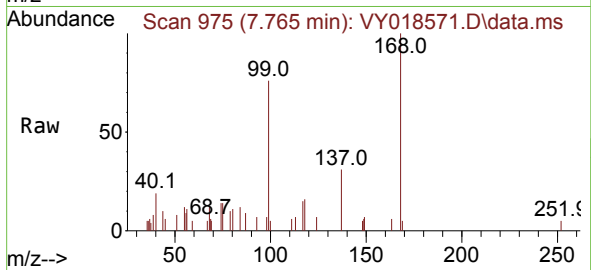
Ion	Ratio	Lower	Upper
42	100		
72	50.0	43.0	64.4
71	0.0	40.8	61.2



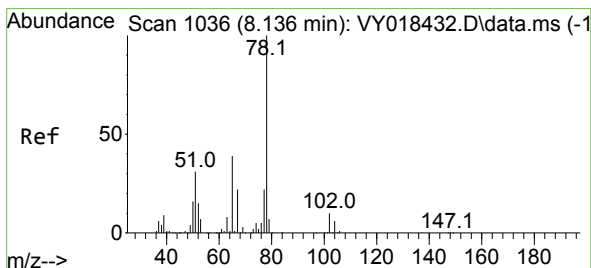
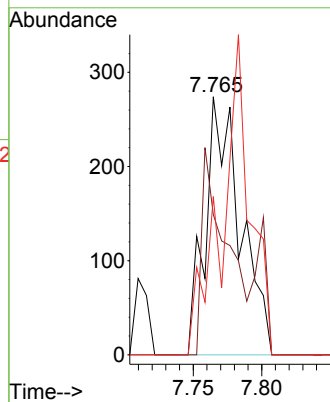
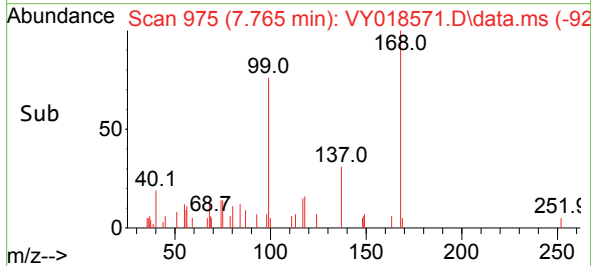


#31
Cyclohexane
Concen: 1.932 ug/l
RT: 7.765 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

Instrument :
MSVOA_Y
ClientSampleId :

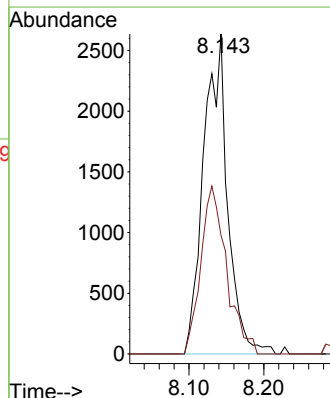
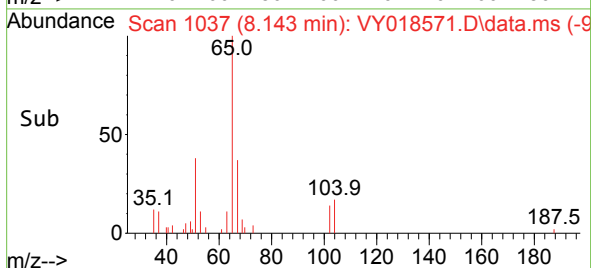
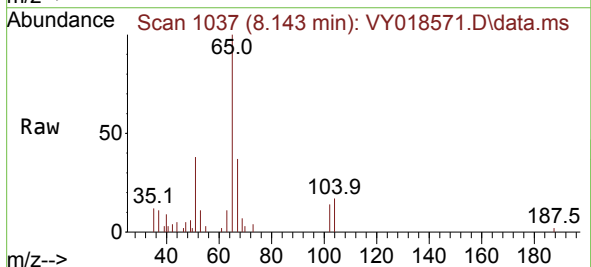


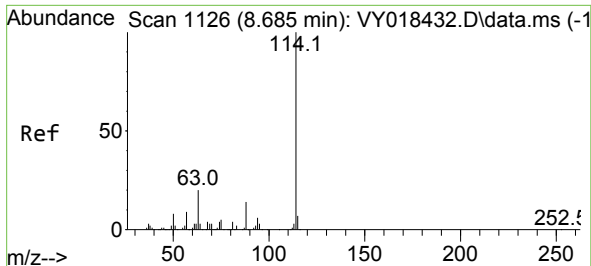
Tgt Ion: 56 Resp: 487
Ion Ratio Lower Upper
56 100
69 54.4 28.7 43.1#
84 61.3 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 43.636 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

Tgt Ion: 65 Resp: 5900
Ion Ratio Lower Upper
65 100
67 56.0 0.0 109.6

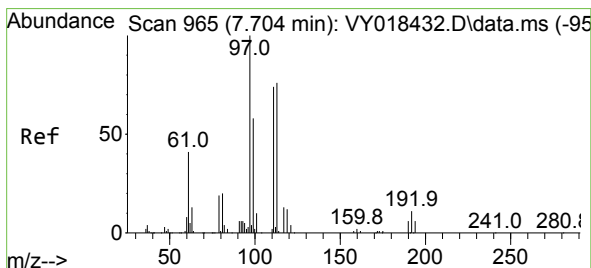
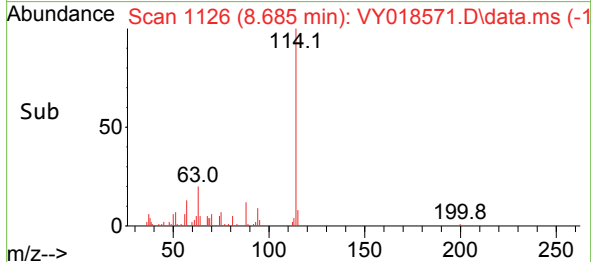
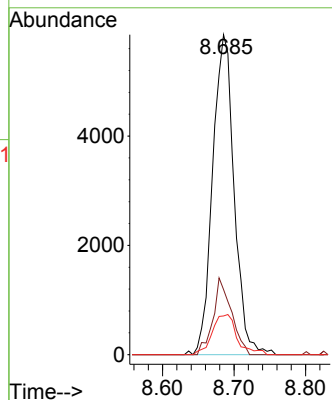
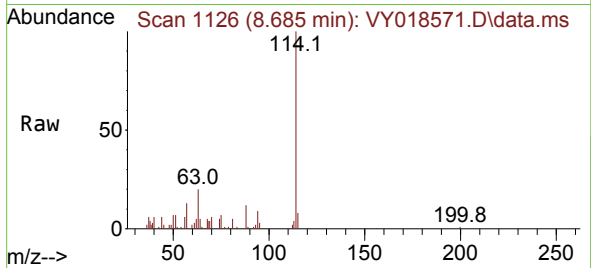




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

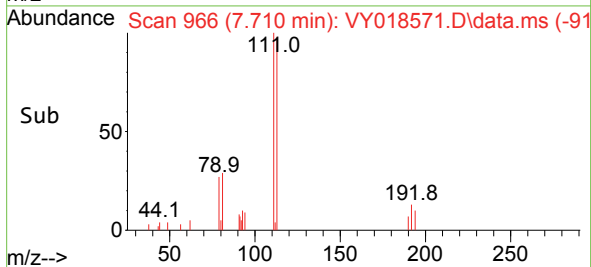
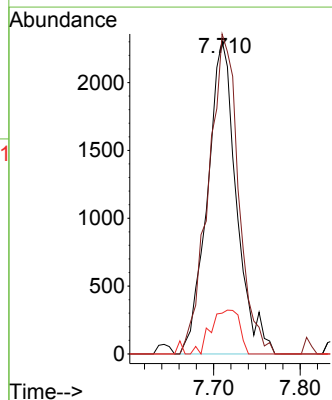
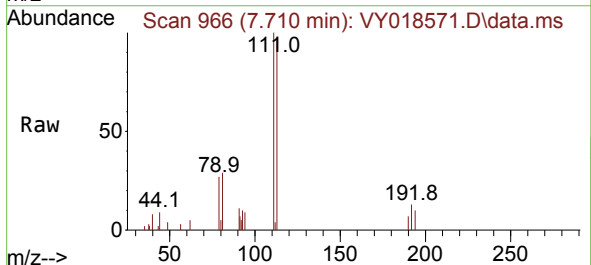
Instrument :
MSVOA_Y
ClientSampleId :

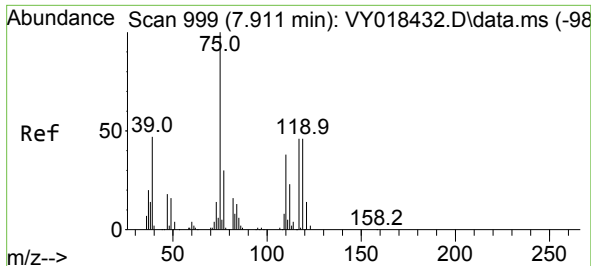
Tgt Ion:	114	Resp:	12241
Ion Ratio	Lower	Upper	
114	100		
63	20.4	0.0	35.0
88	12.1	0.0	27.2



#35
Dibromofluoromethane
Concen: 34.666 ug/l
RT: 7.710 min Scan# 966
Delta R.T. 0.006 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

Tgt Ion:	113	Resp:	5381
Ion Ratio	Lower	Upper	
113	100		
111	105.8	82.2	123.4
192	13.8	15.9	23.9

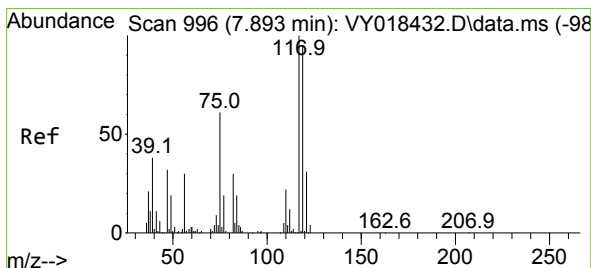
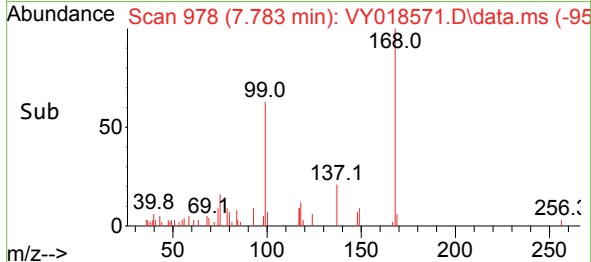
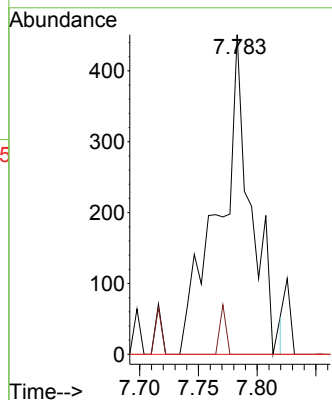
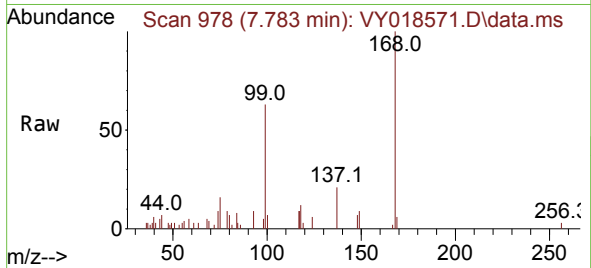




#36
 1,1-Dichloropropene
 Concen: 3.608 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY018571.D
 Acq: 12 Jun 2024 16:04

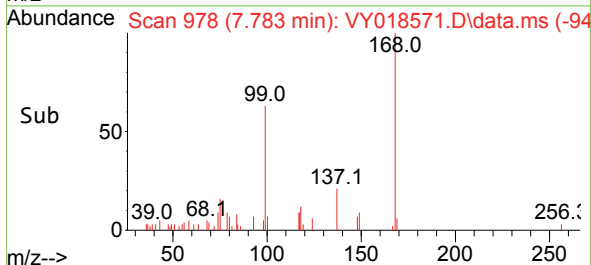
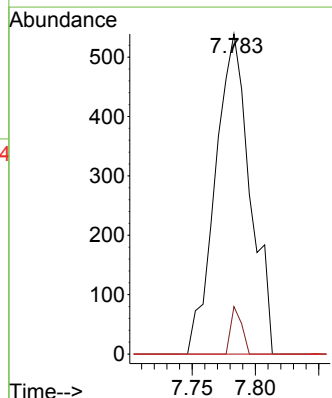
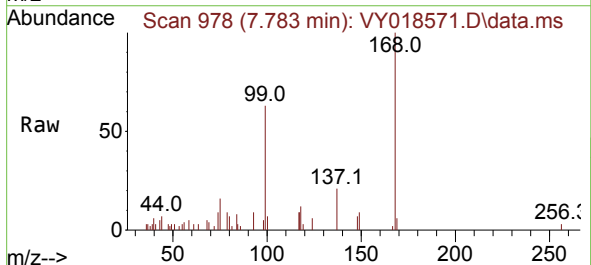
Instrument :
 MSVOA_Y
 ClientSampleId :

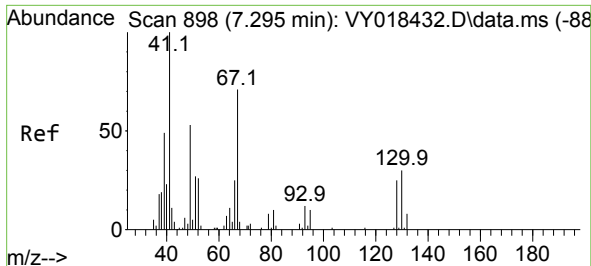
Tgt Ion: 75 Resp: 854
 Ion Ratio Lower Upper
 75 100
 110 3.0 19.0 57.0#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.339 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.110 min
 Lab File: VY018571.D
 Acq: 12 Jun 2024 16:04

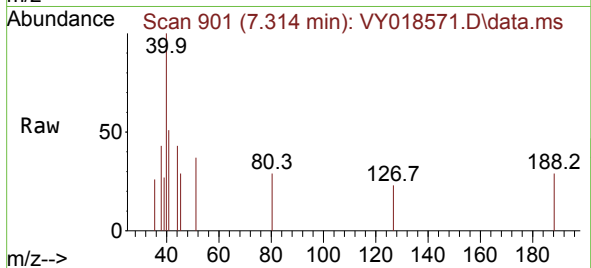
Tgt Ion: 117 Resp: 1029
 Ion Ratio Lower Upper
 117 100
 119 14.8 75.8 113.6#
 121 0.0 24.0 36.0#



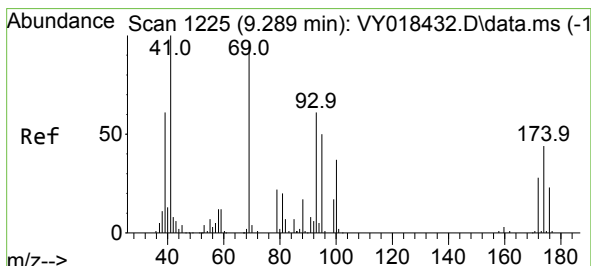
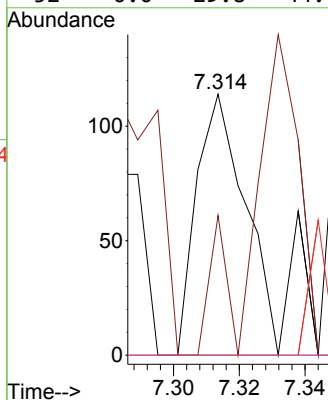
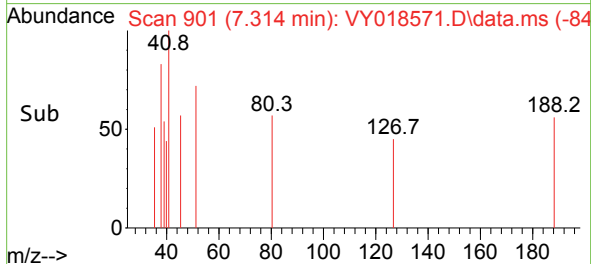


#41
Methacrylonitrile
Concen: 2.052 ug/l
RT: 7.314 min Scan# 901
Delta R.T. 0.018 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

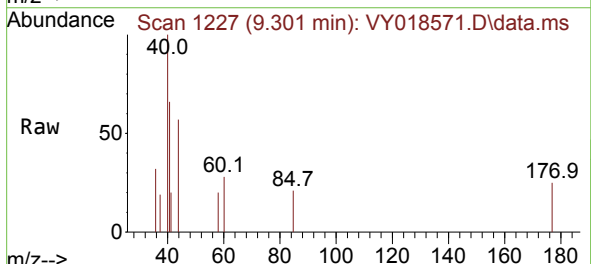
Instrument :
MSVOA_Y
ClientSampleId :



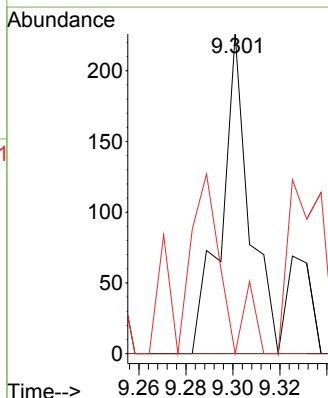
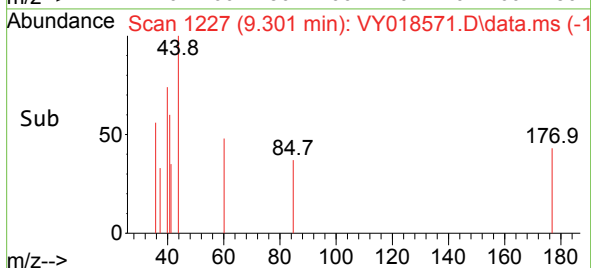
Tgt Ion:	41	Resp:	118
Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.0	72.0#
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#

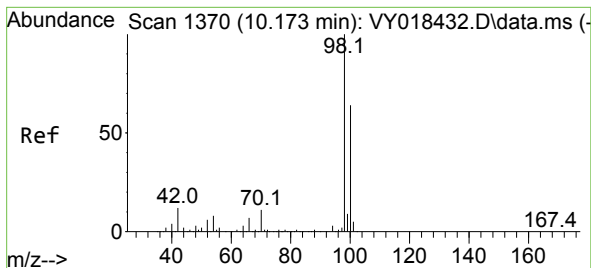


#48
Methyl methacrylate
Concen: 1.838 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. 0.012 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04



Tgt Ion:	41	Resp:	187
Ion	Ratio	Lower	Upper
41	100		
69	0.0	84.1	126.1#
39	80.2	43.6	65.4#





#50

Toluene-d8

Concen: 31.699 ug/l

RT: 10.173 min Scan# 11

Delta R.T. 0.000 min

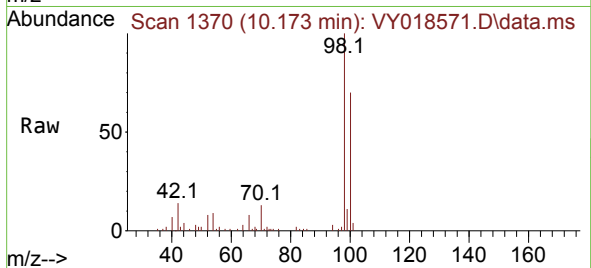
Lab File: VY018571.D

Acq: 12 Jun 2024 16:04

Instrument :

MSVOA_Y

ClientSampleId :

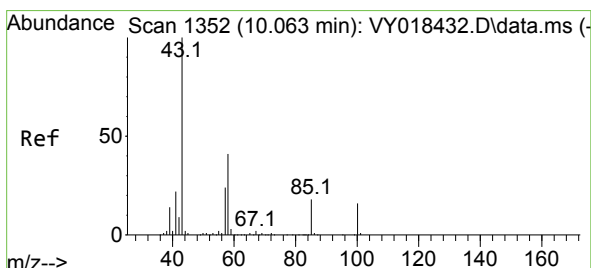
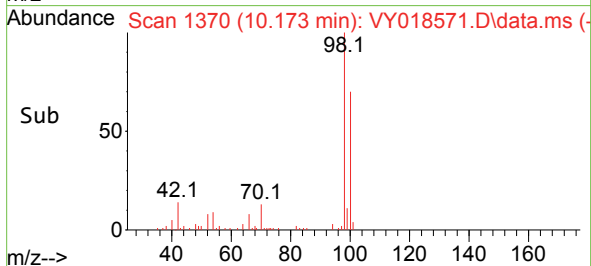
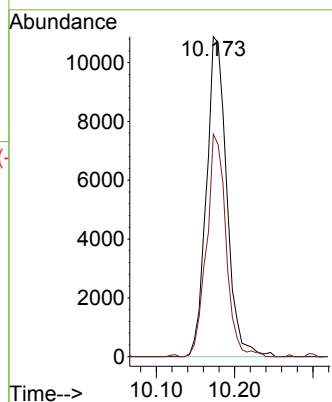


Tgt Ion: 98 Resp: 19575

Ion Ratio Lower Upper

98 100

100 66.5 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.315 ug/l

RT: 9.984 min Scan# 1339

Delta R.T. -0.079 min

Lab File: VY018571.D

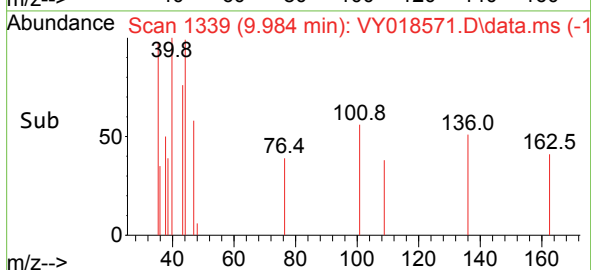
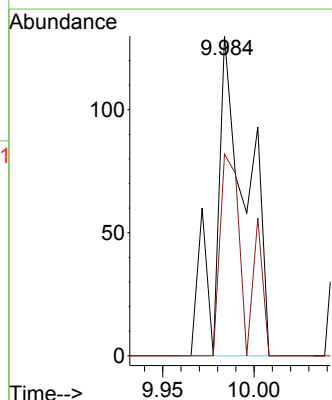
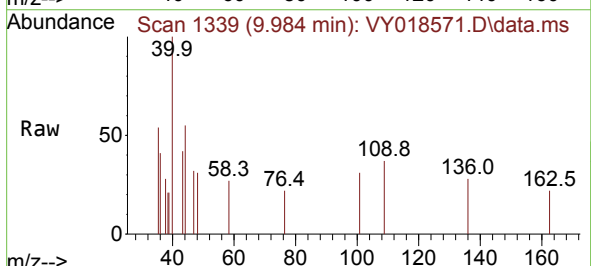
Acq: 12 Jun 2024 16:04

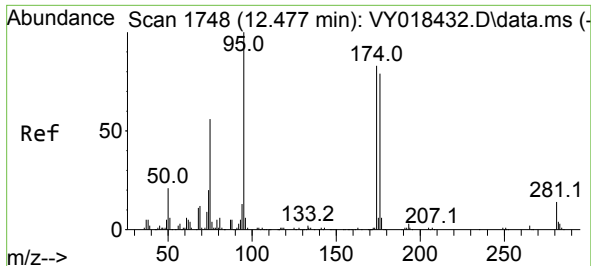
Tgt Ion: 43 Resp: 151

Ion Ratio Lower Upper

43 100

58 51.7 35.7 53.5

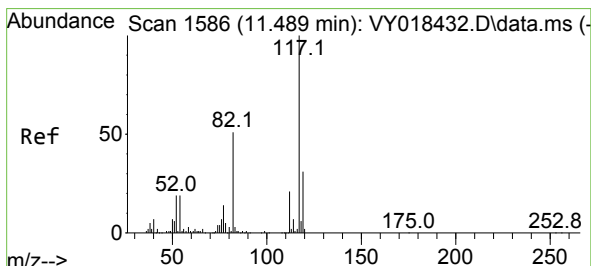
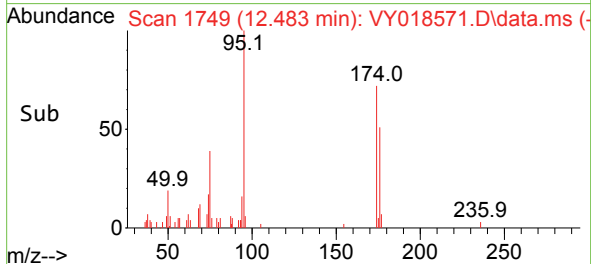
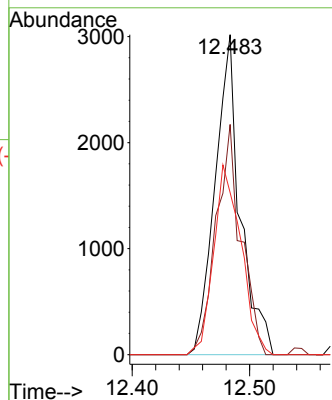
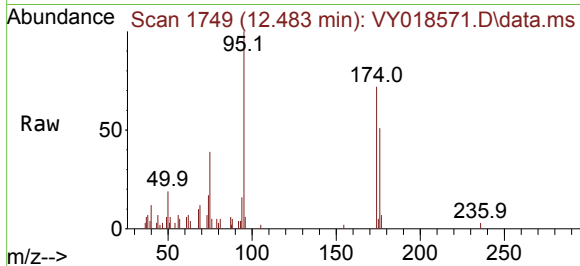




#62
4-Bromofluorobenzene
Concen: 23.306 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

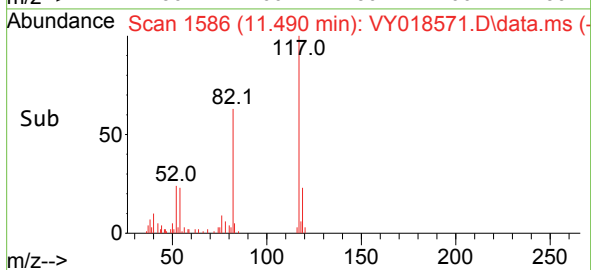
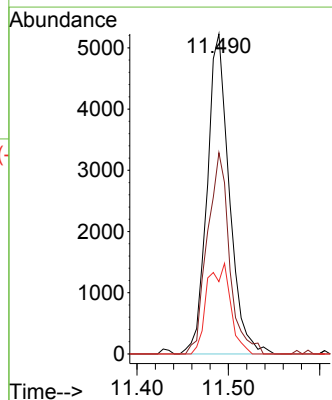
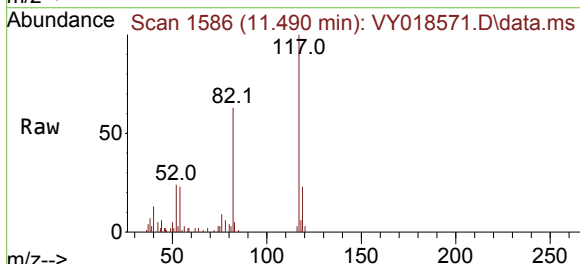
Instrument :
MSVOA_Y
ClientSampleId :

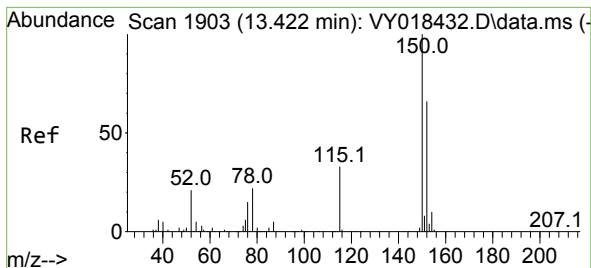
Tgt Ion: 95 Resp: 4481
Ion Ratio Lower Upper
95 100
174 71.3 0.0 175.6
176 64.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

Tgt Ion: 117 Resp: 8775
Ion Ratio Lower Upper
117 100
82 62.9 42.4 63.6
119 22.6 25.9 38.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

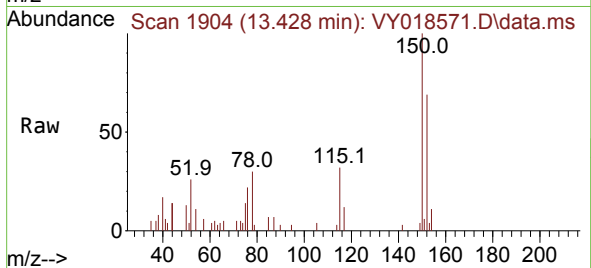
Lab File: VY018571.D

Acq: 12 Jun 2024 16:04

Instrument :

MSVOA_Y

ClientSampleId :



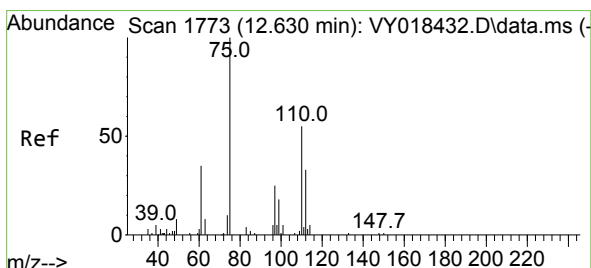
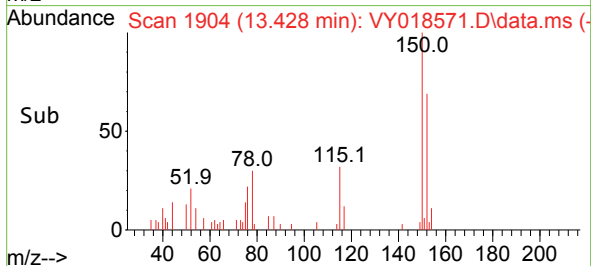
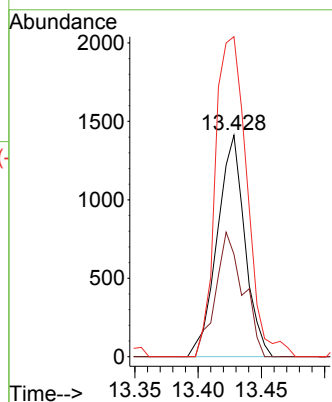
Tgt Ion:152 Resp: 2145

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.7

150 164.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 90.232 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY018571.D

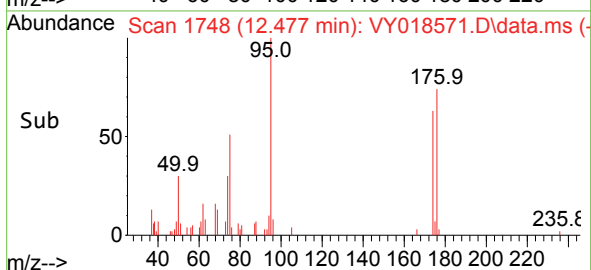
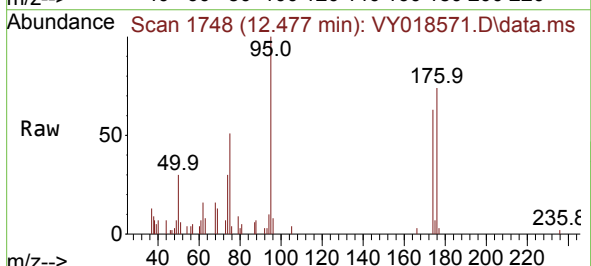
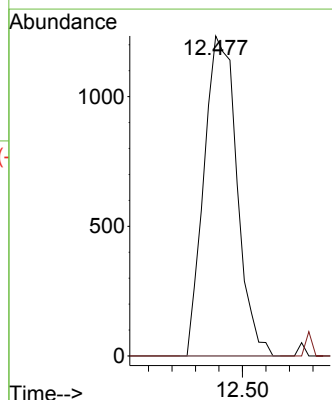
Acq: 12 Jun 2024 16:04

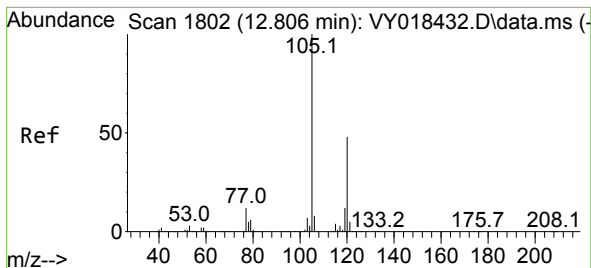
Tgt Ion: 75 Resp: 2400

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#80

1,3,5-Trimethylbenzene

Concen: 1.015 ug/l

RT: 12.825 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY018571.D

Acq: 12 Jun 2024 16:04

Instrument :

MSVOA_Y

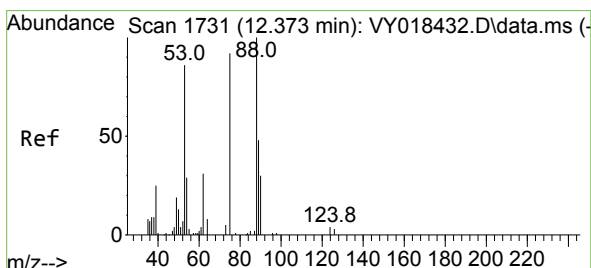
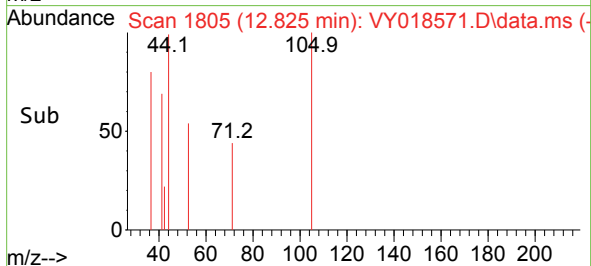
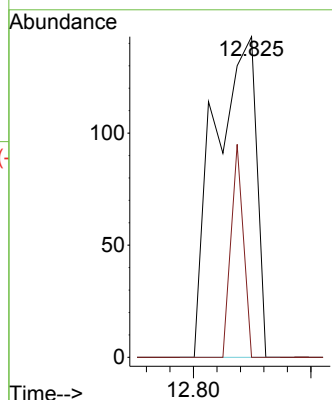
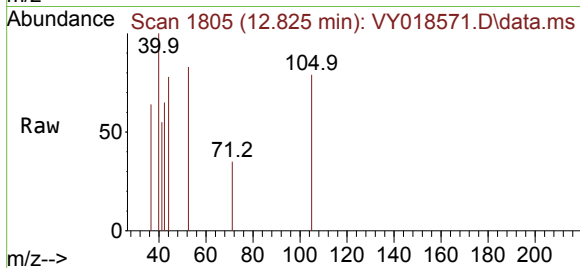
ClientSampleId :

Tgt Ion:105 Resp: 175

Ion Ratio Lower Upper

105 100

120 20.0 25.1 75.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 189.570 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY018571.D

Acq: 12 Jun 2024 16:04

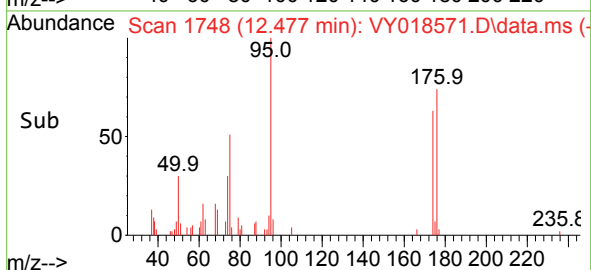
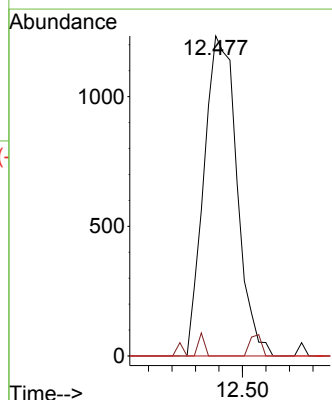
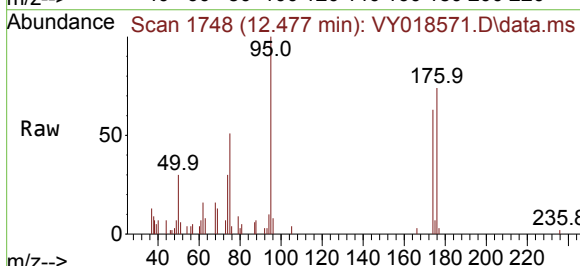
Tgt Ion: 75 Resp: 2400

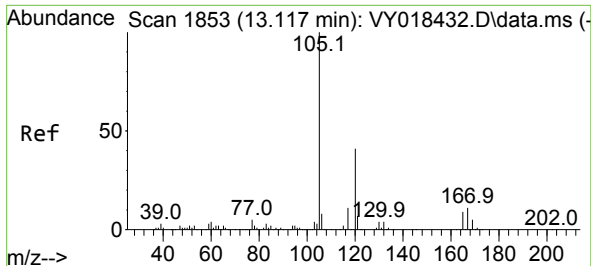
Ion Ratio Lower Upper

75 100

53 1.4 66.8 100.2#

89 0.0 35.8 53.6#

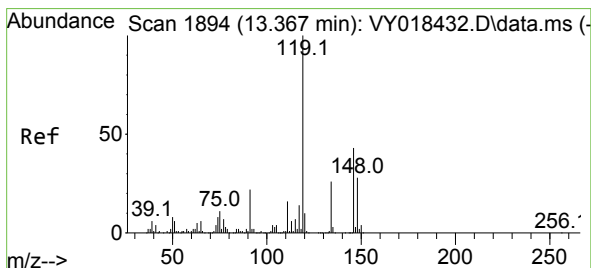
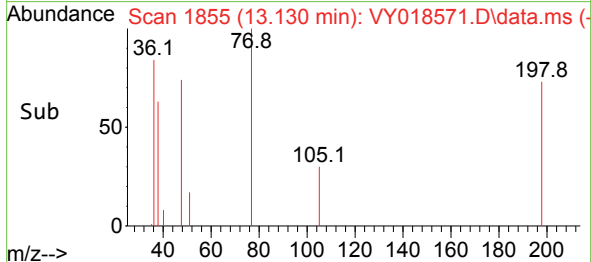
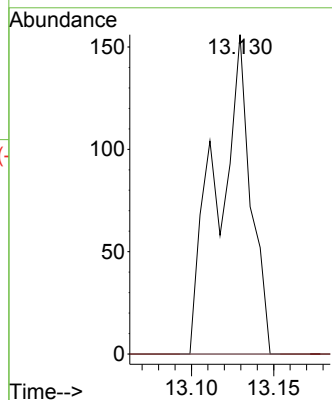
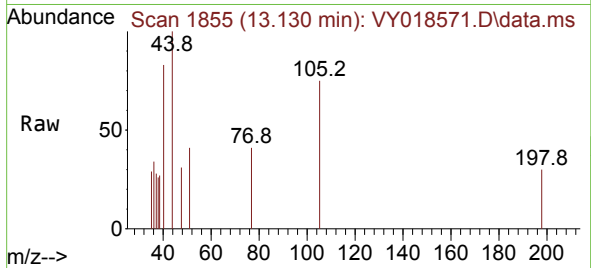




#84
 1,2,4-Trimethylbenzene
 Concen: 1.309 ug/l
 RT: 13.130 min Scan# 1855
 Delta R.T. 0.012 min
 Lab File: VY018571.D
 Acq: 12 Jun 2024 16:04

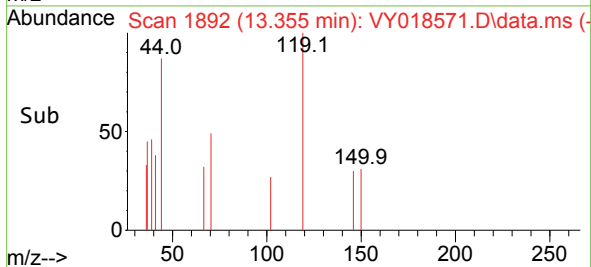
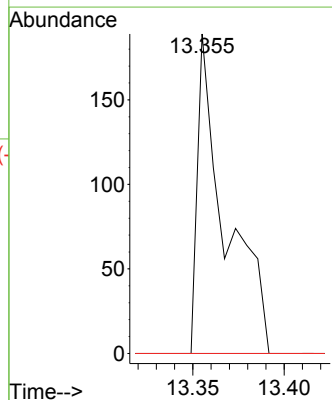
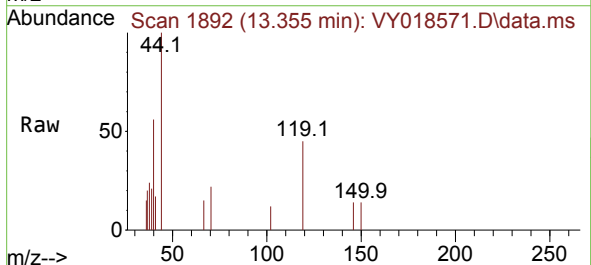
Instrument :
 MSVOA_Y
 ClientSampleId :

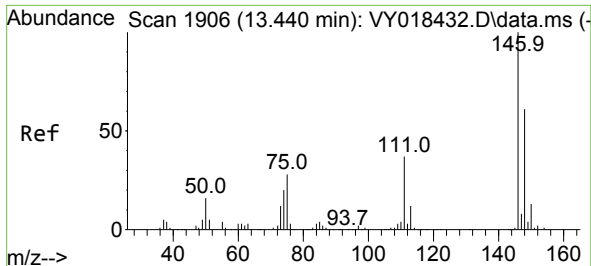
Tgt Ion:105 Resp: 221
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.2 69.6#



#86
 p-Isopropyltoluene
 Concen: 1.061 ug/l
 RT: 13.355 min Scan# 1892
 Delta R.T. -0.012 min
 Lab File: VY018571.D
 Acq: 12 Jun 2024 16:04

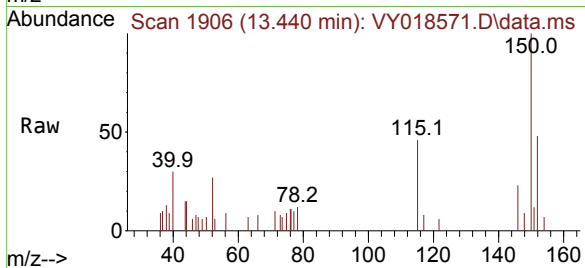
Tgt Ion:119 Resp: 201
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.1 39.3#
 91 0.0 10.7 32.1#



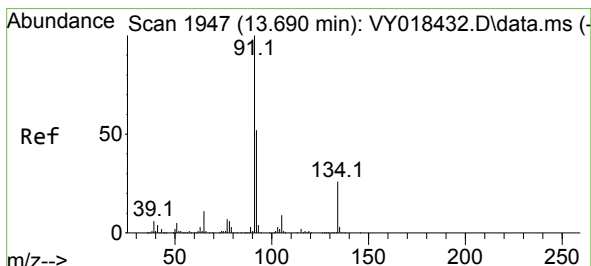
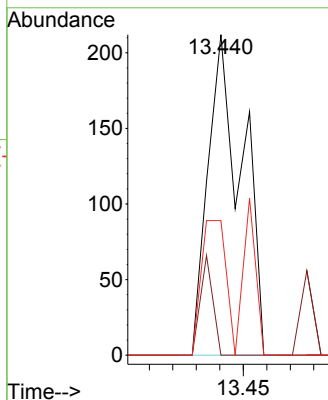
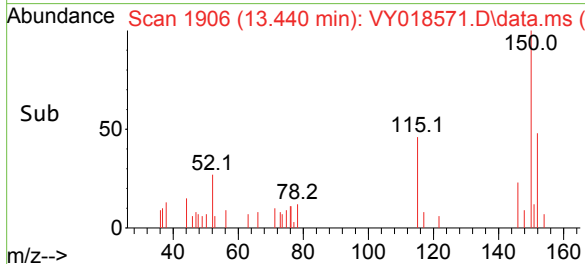


#88
1,4-Dichlorobenzene
Concen: 2.350 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04

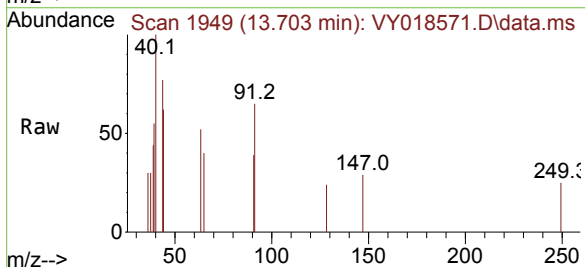
Instrument :
MSVOA_Y
ClientSampleId :



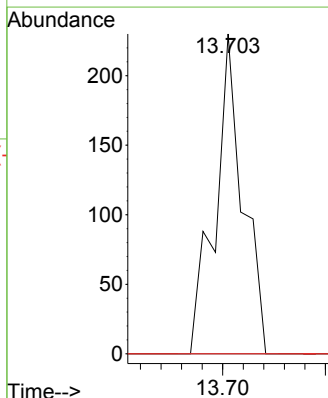
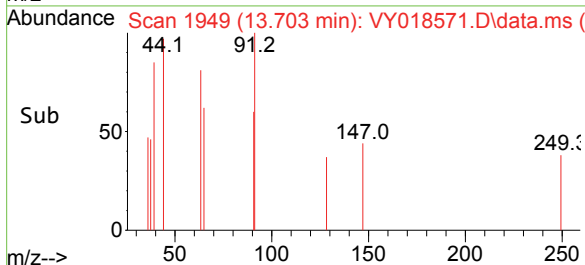
Tgt Ion:146 Resp: 214
Ion Ratio Lower Upper
146 100
111 11.2 18.4 55.4#
148 30.4 32.4 97.2#

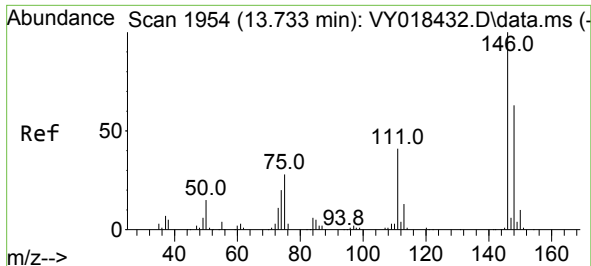


#89
n-Butylbenzene
Concen: 1.200 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.012 min
Lab File: VY018571.D
Acq: 12 Jun 2024 16:04



Tgt Ion: 91 Resp: 216
Ion Ratio Lower Upper
91 100
92 0.0 26.6 79.7#
134 0.0 12.9 38.7#





#91

1,2-Dichlorobenzene

Concen: 1.475 ug/l

RT: 13.745 min Scan# 1954

Delta R.T. 0.012 min

Lab File: VY018571.D

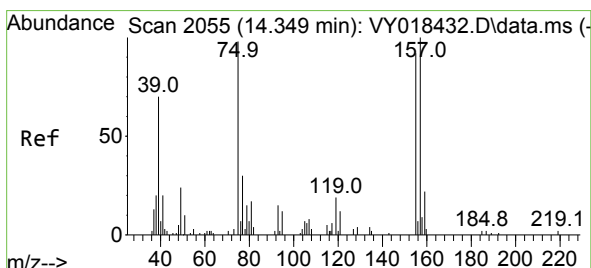
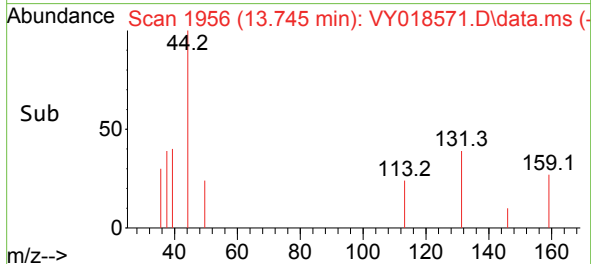
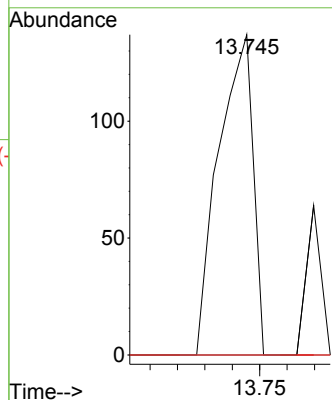
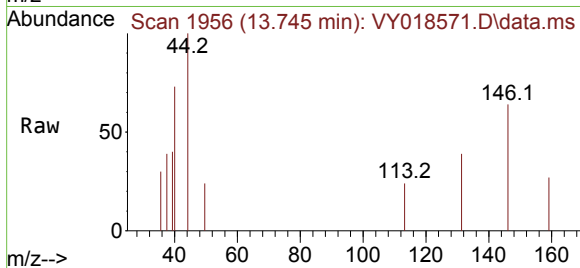
Acq: 12 Jun 2024 16:04

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	146	Resp:	119
Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.9	59.7#
148	0.0	31.8	95.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.204 ug/l

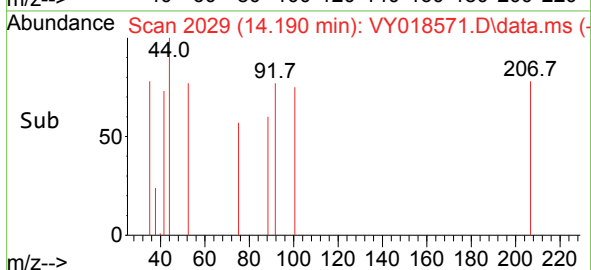
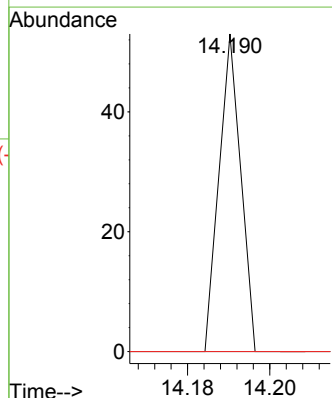
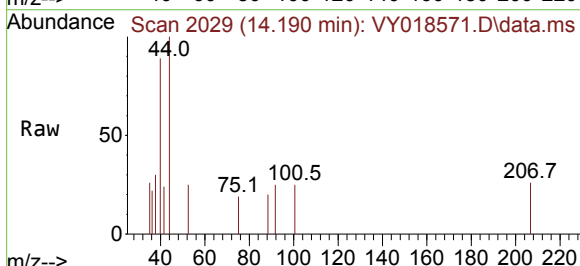
RT: 14.190 min Scan# 2029

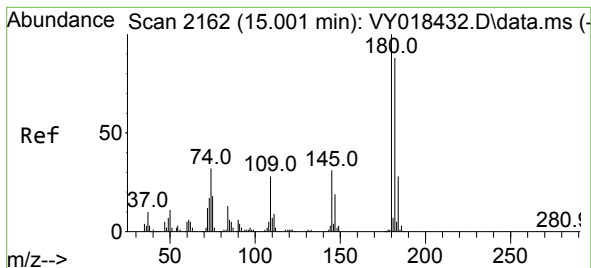
Delta R.T. -0.158 min

Lab File: VY018571.D

Acq: 12 Jun 2024 16:04

Tgt Ion:	75	Resp:	19
Ion	Ratio	Lower	Upper
75	100		
155	0.0	48.6	145.8#
157	0.0	62.7	188.2#





#93

1,2,4-Trichlorobenzene

Concen: 1.696 ug/l

RT: 15.019 min Scan# 2165

Delta R.T. 0.018 min

Lab File: VY018571.D

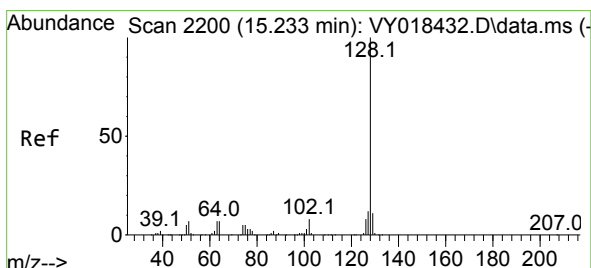
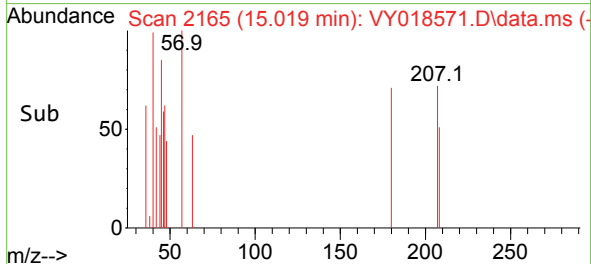
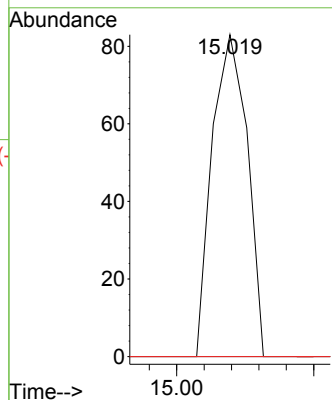
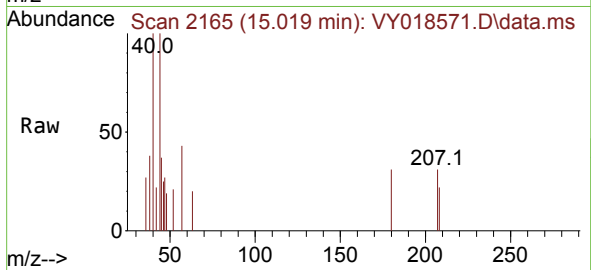
Acq: 12 Jun 2024 16:04

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:180	Resp:	74
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.9 143.8#
145	0.0	14.2 42.6#



#95

Naphthalene

Concen: 1.118 ug/l

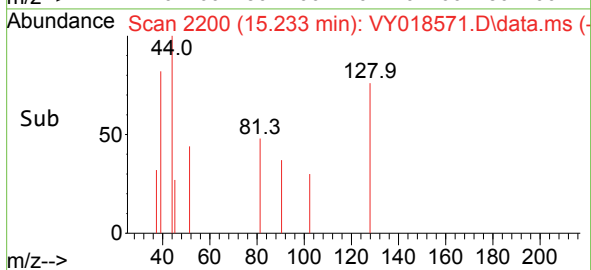
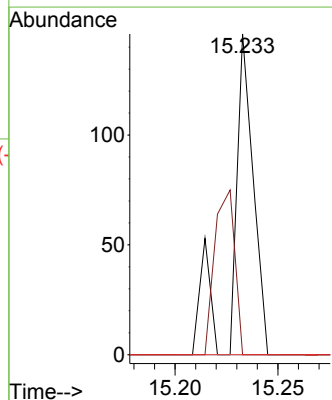
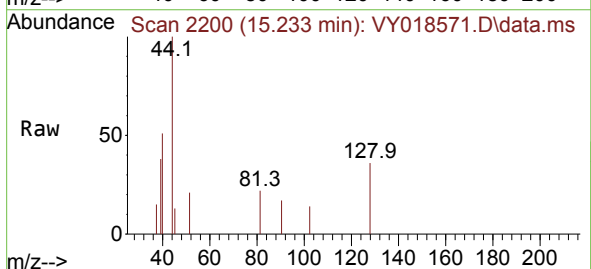
RT: 15.233 min Scan# 2200

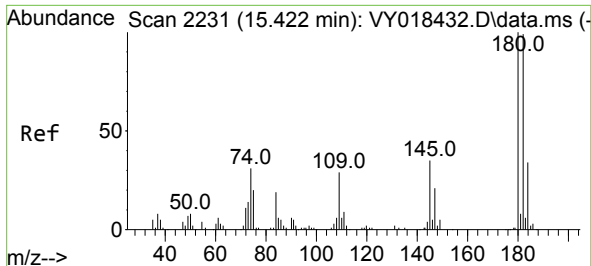
Delta R.T. 0.000 min

Lab File: VY018571.D

Acq: 12 Jun 2024 16:04

Tgt Ion:128	Resp:	98
Ion Ratio	Lower	Upper
128	100	
127	52.0	10.6 16.0#
129	0.0	8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 2.113 ug/l

RT: 15.434 min Scan# 21

Delta R.T. 0.012 min

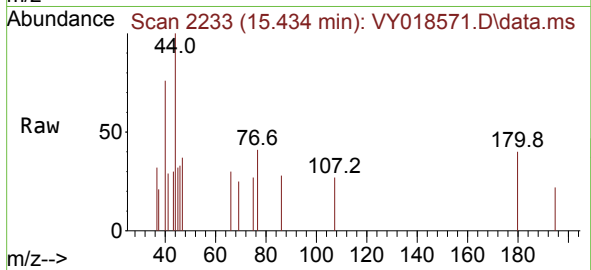
Lab File: VY018571.D

Acq: 12 Jun 2024 16:04

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:180 Resp: 78

Ion Ratio Lower Upper

180 100

182 30.8 47.6 142.9#

145 0.0 15.4 46.1#

