

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051424\
 Data File : VY018262.D
 Acq On : 14 May 2024 16:46
 Operator : SY/MD
 Sample : P2473-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-051424

Quant Time: May 15 04:17:07 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)

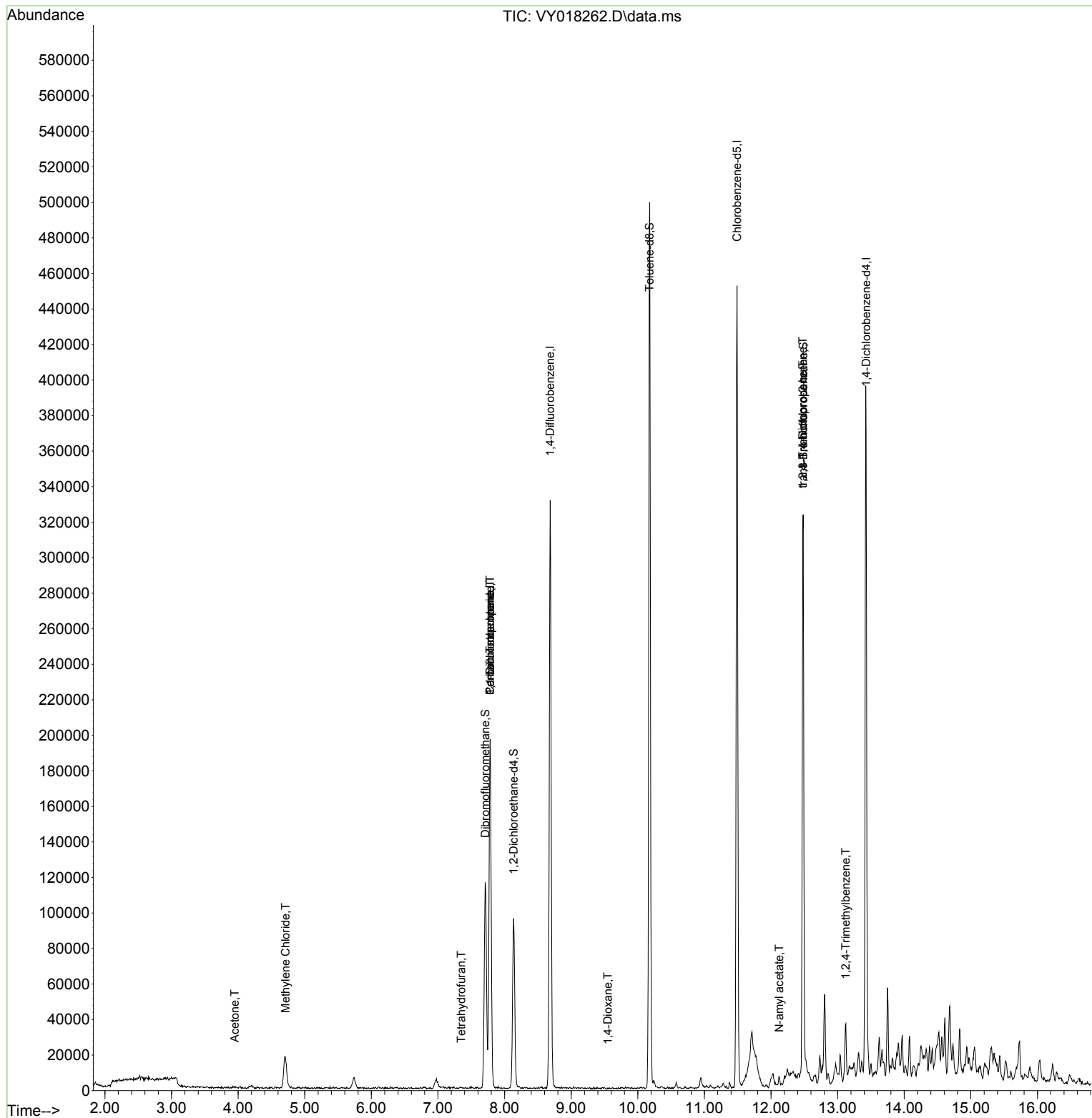
Internal Standards						
1) Pentafluorobenzene	7.783	168	152446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	292751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	255472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	70023	62.437	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.880%	
35) Dibromofluoromethane	7.710	113	82983	53.936	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.880%	
50) Toluene-d8	10.179	98	334324	55.143	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.280%	
62) 4-Bromofluorobenzene	12.483	95	100291	51.223	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	129	Below Cal	#	1
13) Acrolein	3.710	56	114	Below Cal	#	3
16) Acetone	3.948	43	1174	5.246	ug/l #	80
20) Methylene Chloride	4.710	84	14636	9.252	ug/l	98
29) Tetrahydrofuran	7.350	42	327	1.385	ug/l #	35
31) Cyclohexane	7.777	56	3426	Below Cal	#	22
36) 1,1-Dichloropropene	7.783	75	11604	5.261	ug/l #	50
38) Carbon Tetrachloride	7.783	117	14722	6.109	ug/l #	17
49) 1,4-Dioxane	9.551	88	26	2.197	ug/l #	20
74) N-amyl acetate	12.124	43	1644	1.063	ug/l #	55
76) 1,2,3-Trichloropropane	12.477	75	51059	64.182	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51059	123.657	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.123	105	16826	2.923	ug/l	98

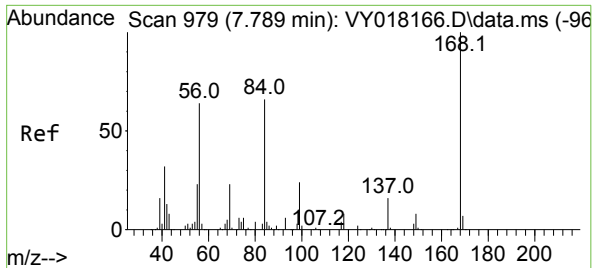
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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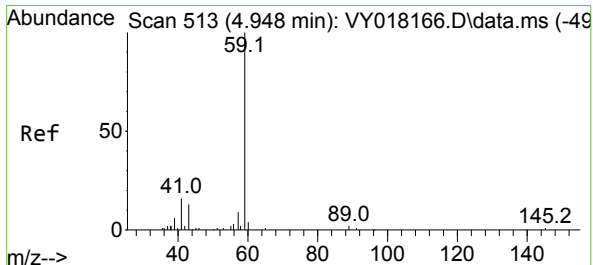
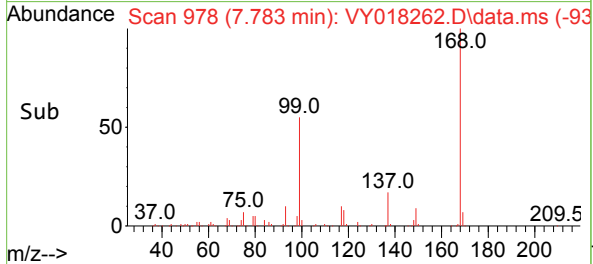
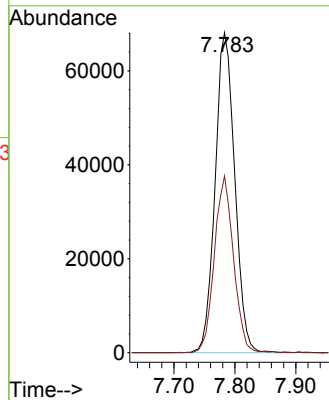
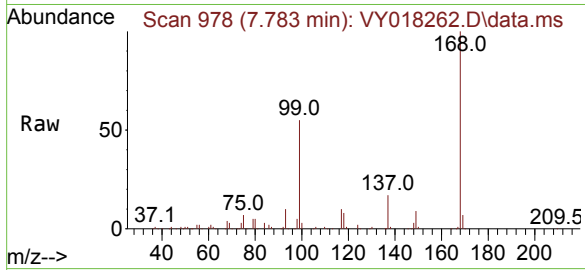




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018262.D
Acq: 14 May 2024 16:46

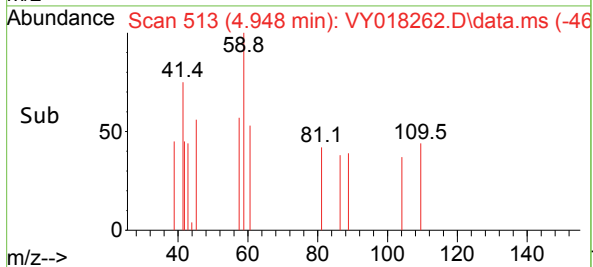
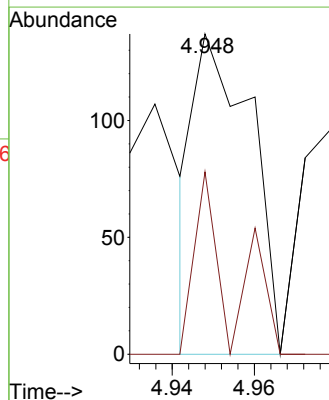
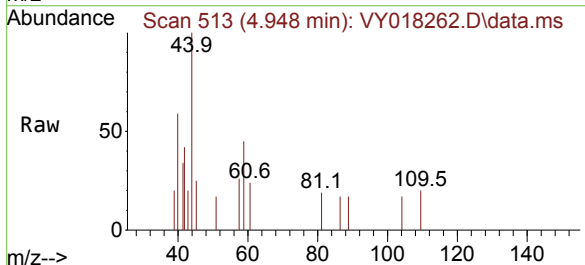
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-051424

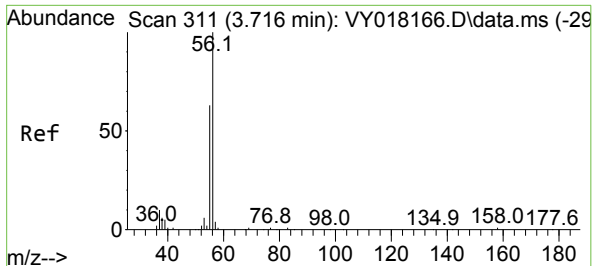
Tgt Ion:168 Resp: 152446
Ion Ratio Lower Upper
168 100
99 55.2 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY018262.D
Acq: 14 May 2024 16:46

Tgt Ion: 59 Resp: 129
Ion Ratio Lower Upper
59 100
57 37.2 3.0 4.6#

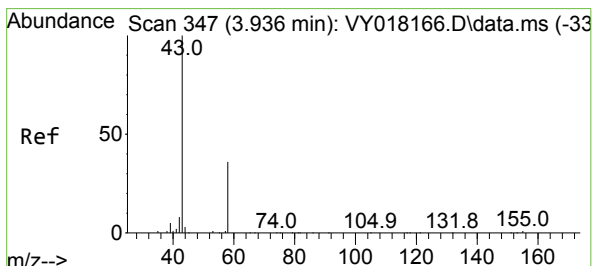
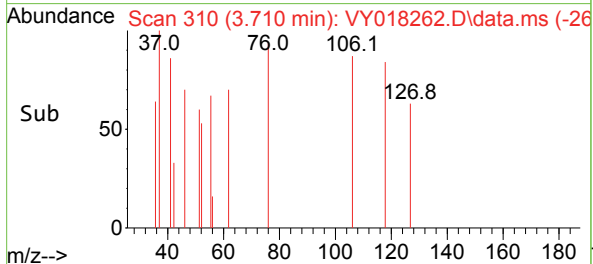
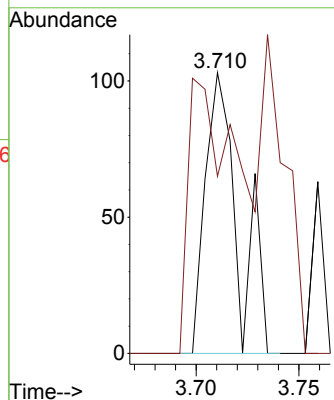
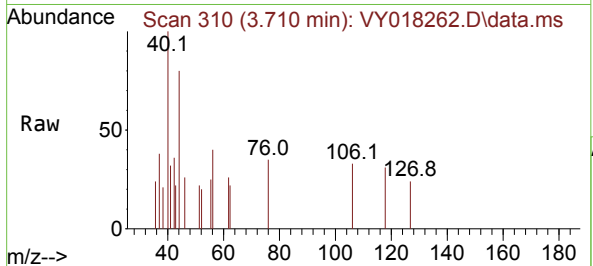




#13
Acrolein
Concen: Below Cal
RT: 3.710 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY018262.D
Acq: 14 May 2024 16:46

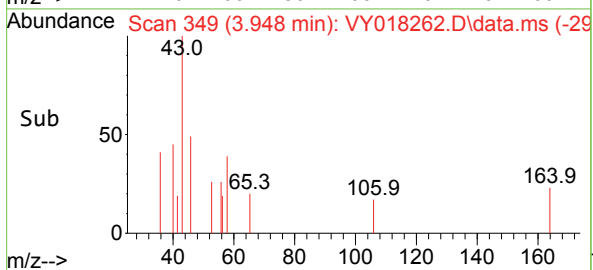
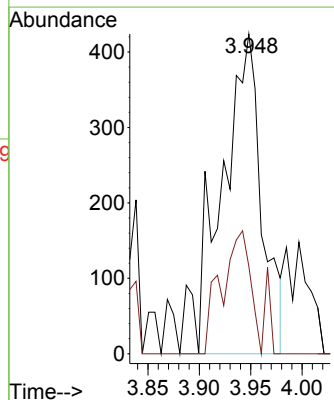
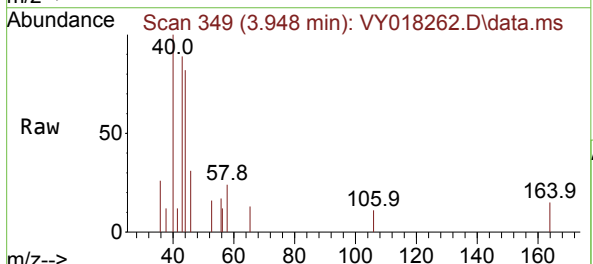
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-051424

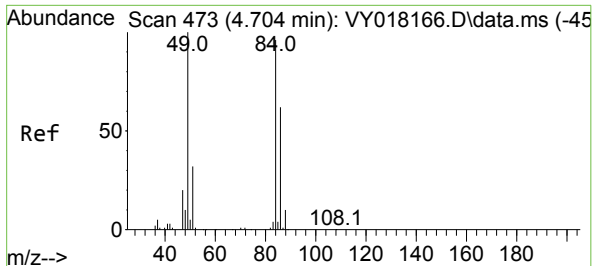
Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 149.1 55.7 83.5#



#16
Acetone
Concen: 5.246 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.012 min
Lab File: VY018262.D
Acq: 14 May 2024 16:46

Tgt Ion: 43 Resp: 1174
Ion Ratio Lower Upper
43 100
58 27.4 31.7 47.5#

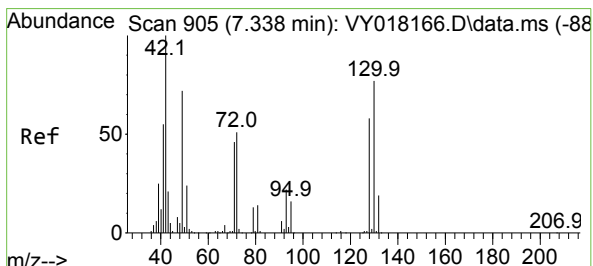
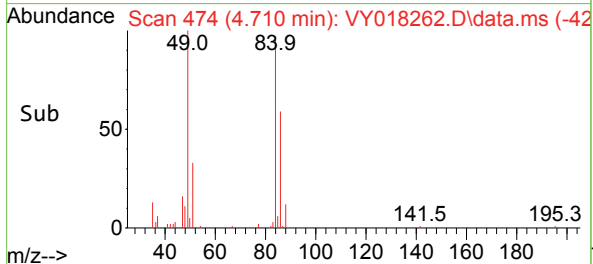
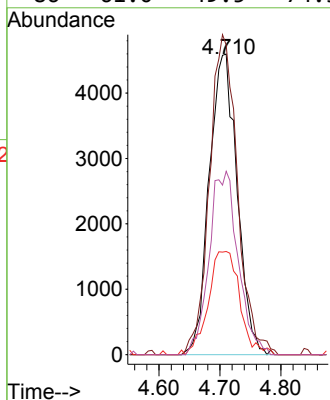
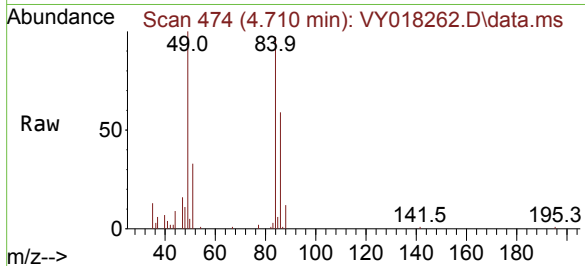




#20
Methylene Chloride
Concen: 9.252 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY018262.D
Acq: 14 May 2024 16:46

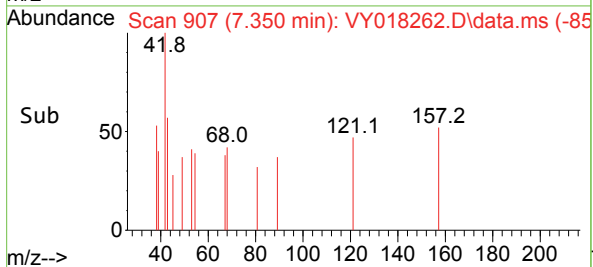
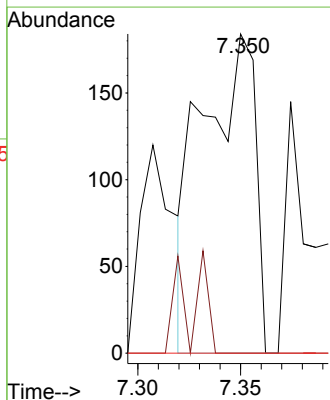
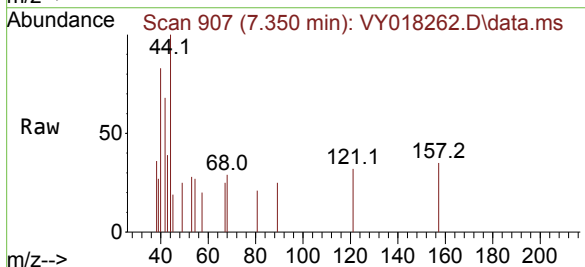
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-051424

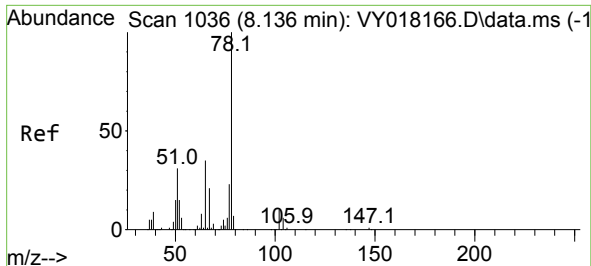
Tgt Ion: 84 Resp: 14636
Ion Ratio Lower Upper
84 100
49 103.0 84.4 126.6
51 34.3 26.0 39.0
86 61.0 49.5 74.3



#29
Tetrahydrofuran
Concen: 1.385 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.012 min
Lab File: VY018262.D
Acq: 14 May 2024 16:46

Tgt Ion: 42 Resp: 327
Ion Ratio Lower Upper
42 100
72 12.8 43.0 64.4#
71 0.0 40.8 61.2#

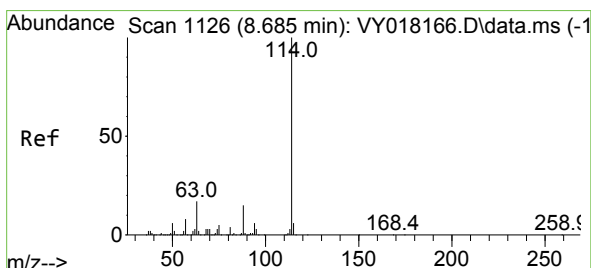
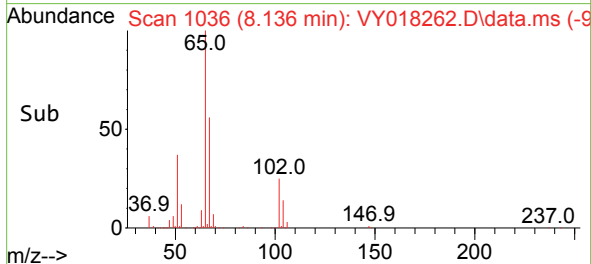
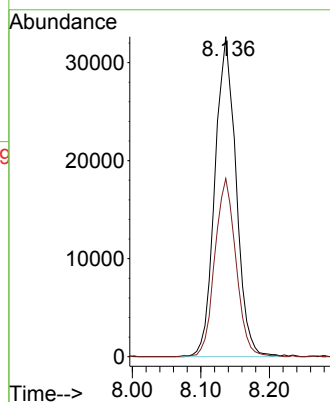
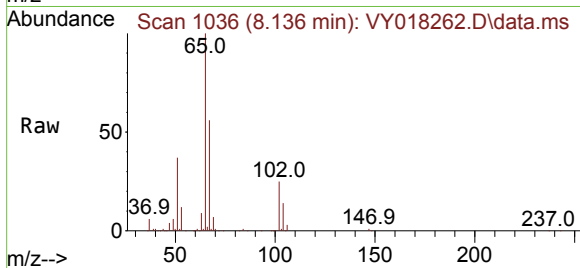




#33
 1,2-Dichloroethane-d4
 Concen: 62.437 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY018262.D
 Acq: 14 May 2024 16:46

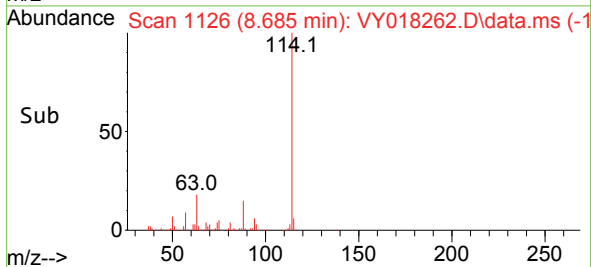
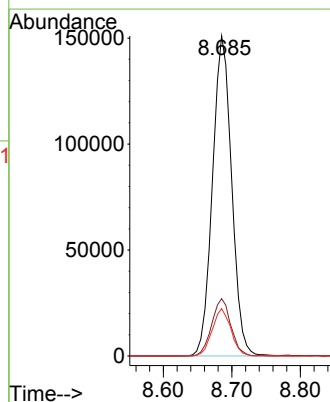
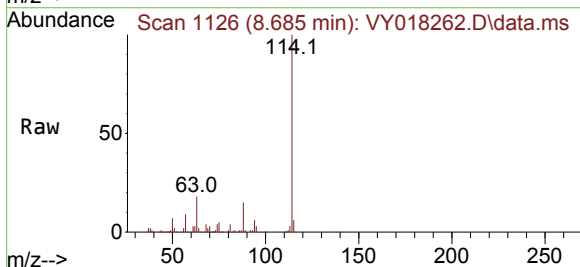
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-051424

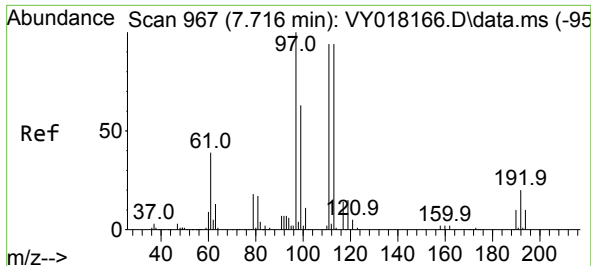
Tgt Ion: 65 Resp: 70023
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY018262.D
 Acq: 14 May 2024 16:46

Tgt Ion: 114 Resp: 292751
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.0
 88 14.8 0.0 27.2

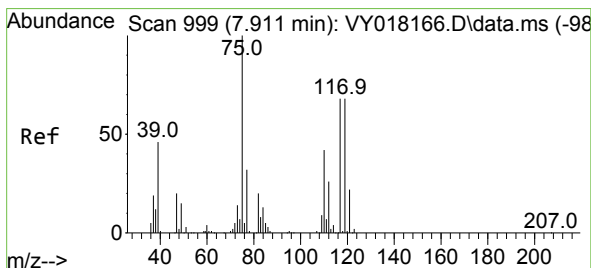
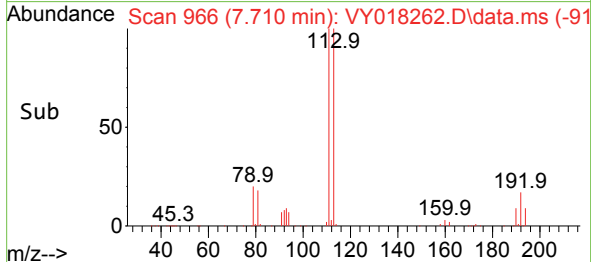
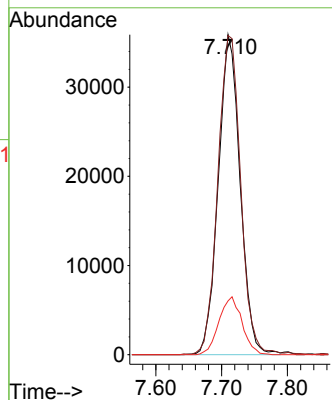
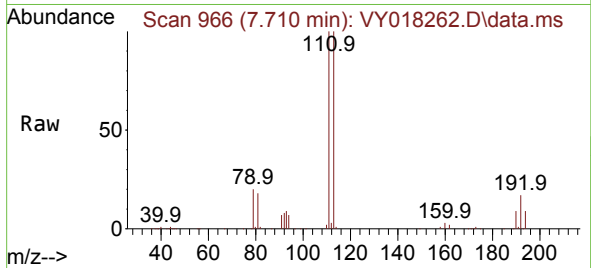




#35
Dibromofluoromethane
Concen: 53.936 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY018262.D
Acq: 14 May 2024 16:46

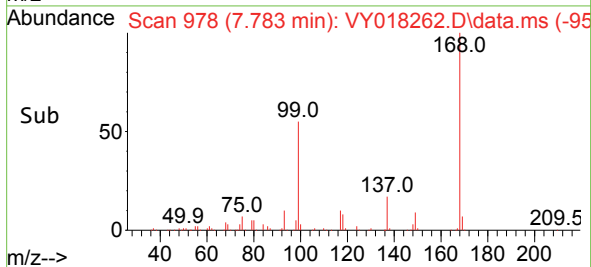
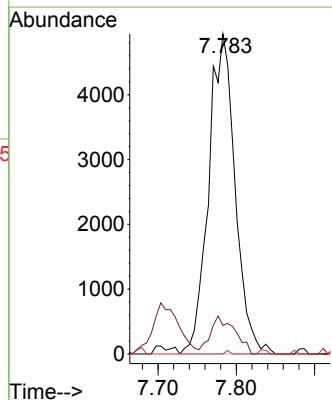
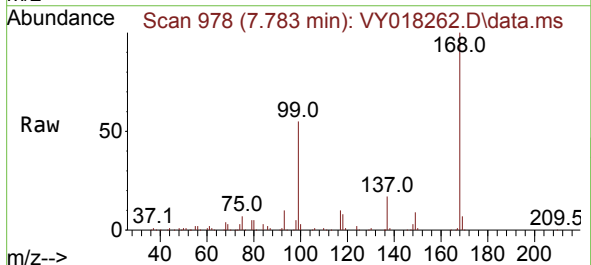
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-051424

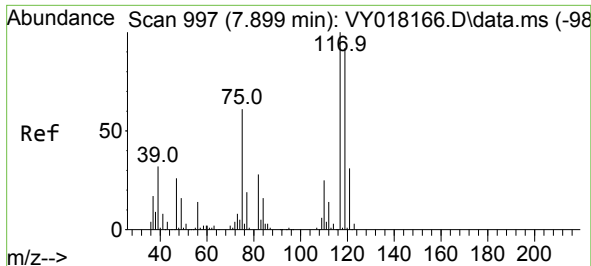
Tgt Ion:113 Resp: 82983
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.4
192 19.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.261 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY018262.D
Acq: 14 May 2024 16:46

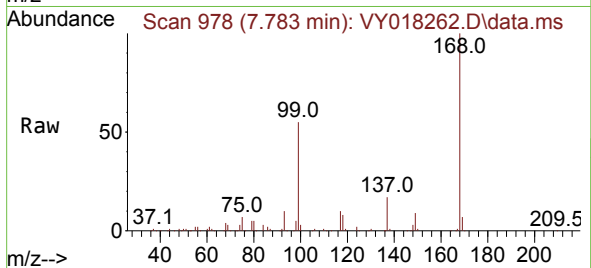
Tgt Ion: 75 Resp: 11604
Ion Ratio Lower Upper
75 100
110 10.8 19.0 57.0#
77 0.2 25.3 37.9#



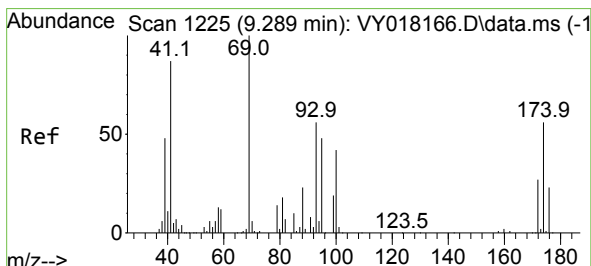
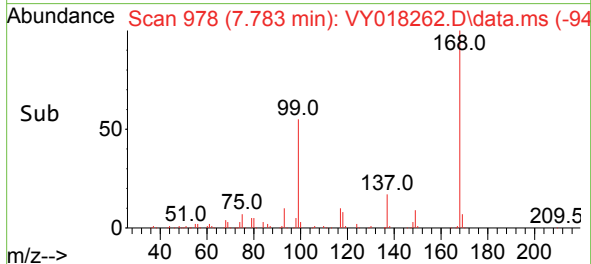
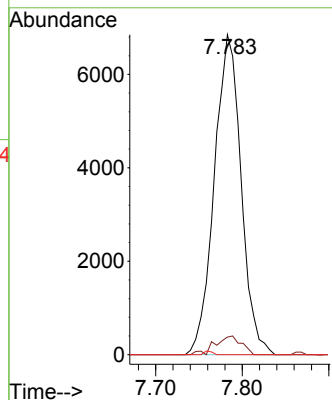


#38
Carbon Tetrachloride
Concen: 6.109 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY018262.D
Acq: 14 May 2024 16:46

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-051424

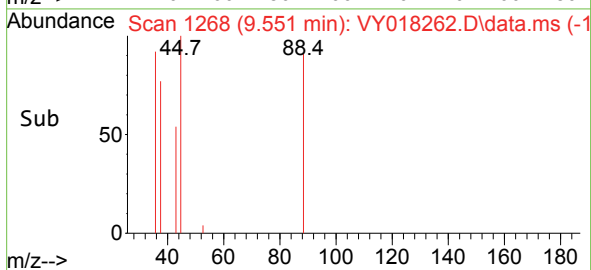
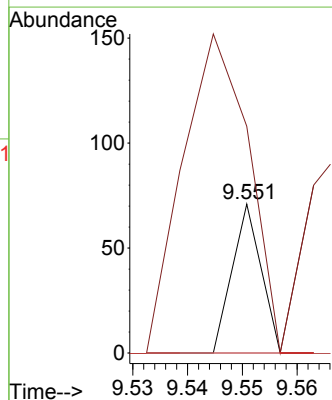
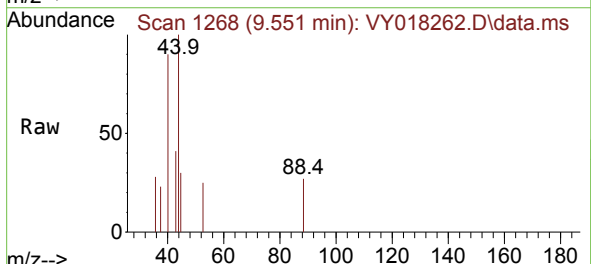


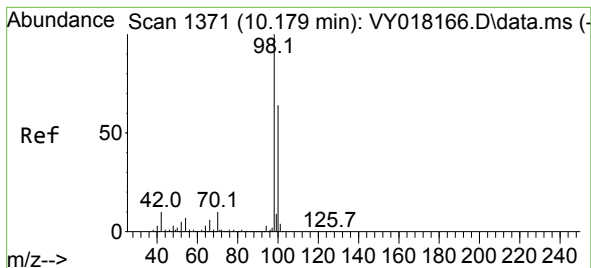
Tgt Ion:117 Resp: 14722
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 2.197 ug/l
RT: 9.551 min Scan# 1268
Delta R.T. 0.262 min
Lab File: VY018262.D
Acq: 14 May 2024 16:46

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 488.5 0.0 0.0#
58 0.0 49.3 73.9#





#50

Toluene-d8

Concen: 55.143 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018262.D

Acq: 14 May 2024 16:46

Instrument :

MSVOA_Y

ClientSampleId :

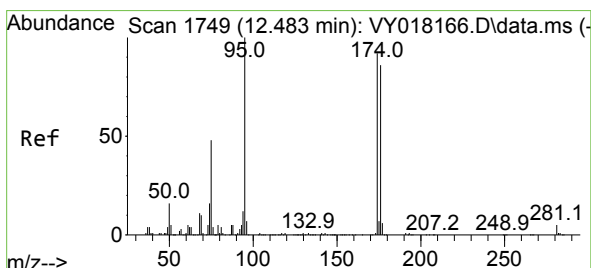
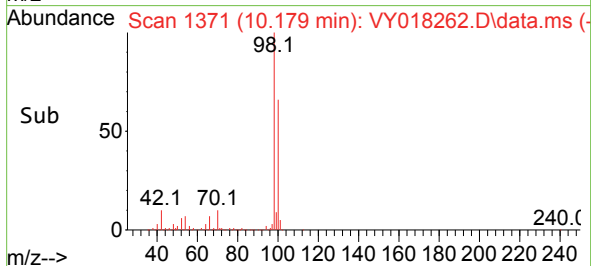
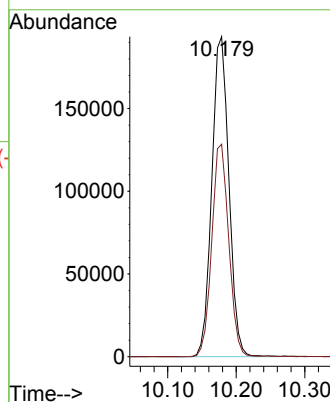
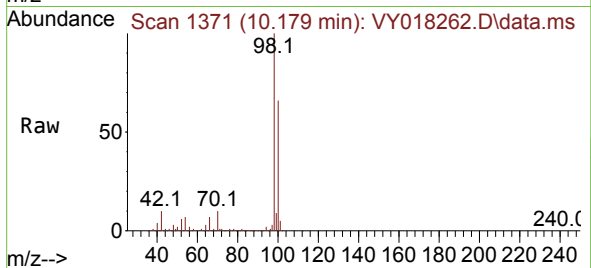
TR-04-051424

Tgt Ion: 98 Resp: 334324

Ion Ratio Lower Upper

98 100

100 65.9 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 51.223 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY018262.D

Acq: 14 May 2024 16:46

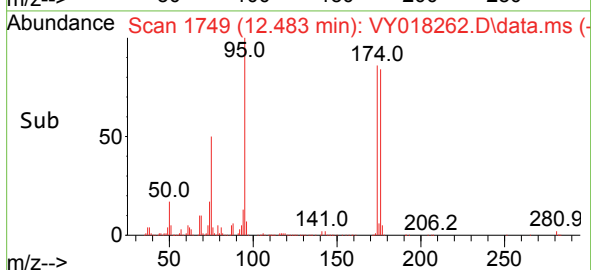
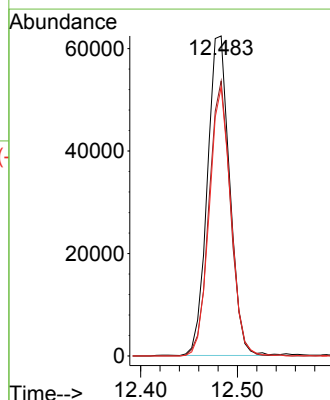
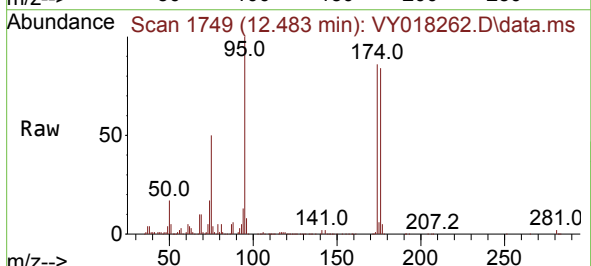
Tgt Ion: 95 Resp: 100291

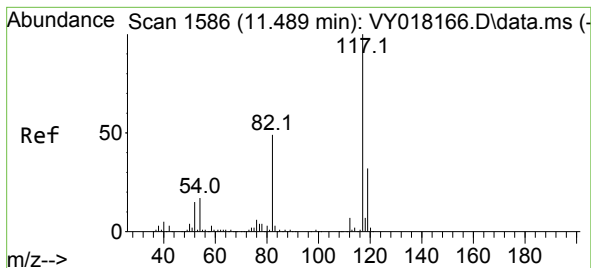
Ion Ratio Lower Upper

95 100

174 82.4 0.0 175.6

176 80.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018262.D

Acq: 14 May 2024 16:46

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-051424

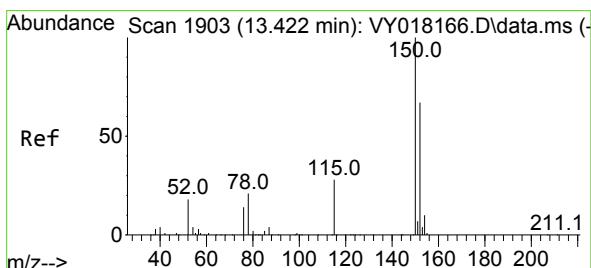
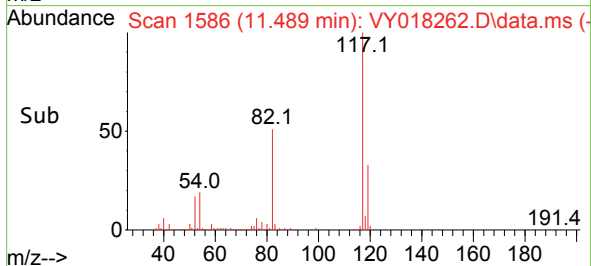
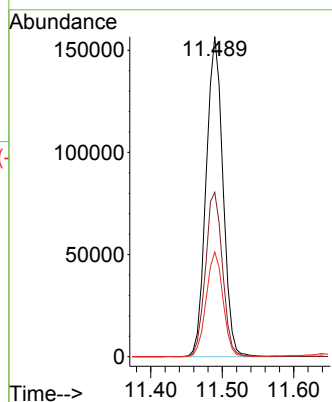
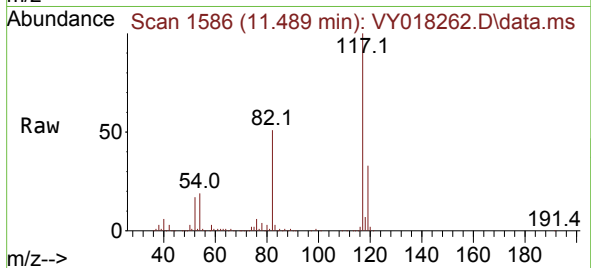
Tgt Ion:117 Resp: 255472

Ion Ratio Lower Upper

117 100

82 51.3 42.4 63.6

119 32.7 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: VY018262.D

Acq: 14 May 2024 16:46

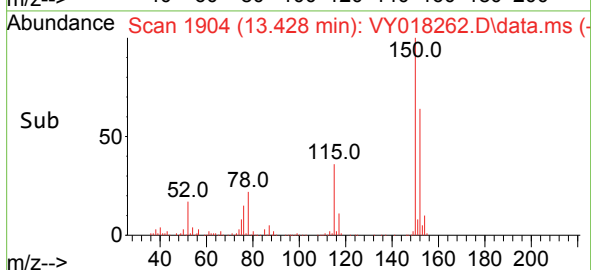
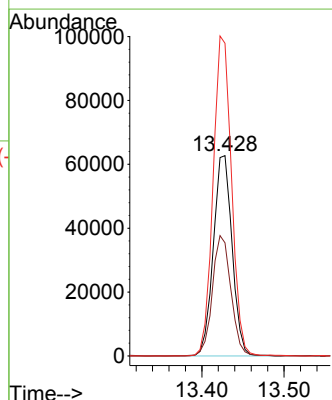
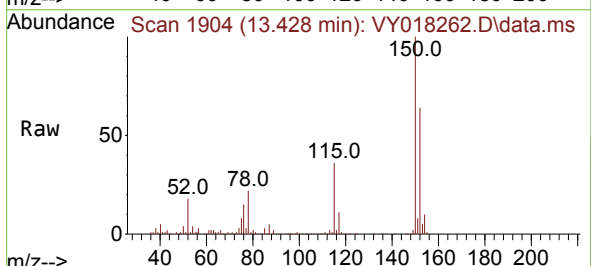
Tgt Ion:152 Resp: 99388

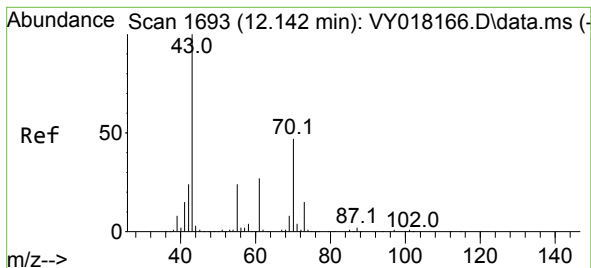
Ion Ratio Lower Upper

152 100

115 59.8 28.2 84.7

150 156.5 0.0 345.6





#74

N-amy1 acetate

Concen: 1.063 ug/l

RT: 12.124 min Scan# 1

Delta R.T. -0.018 min

Lab File: VY018262.D

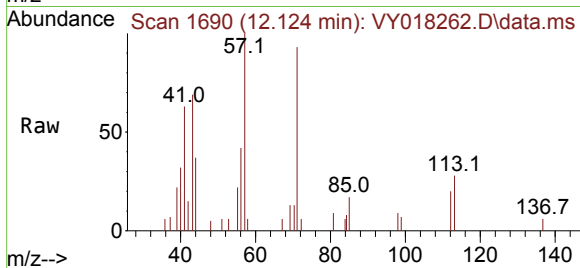
Acq: 14 May 2024 16:46

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-051424



Tgt Ion: 43 Resp: 1644

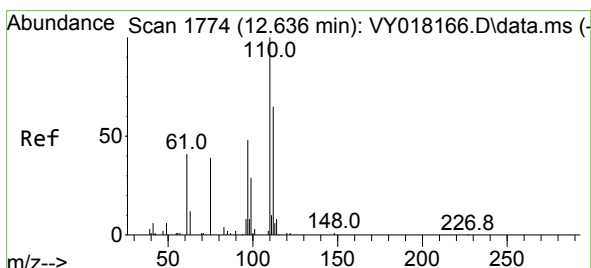
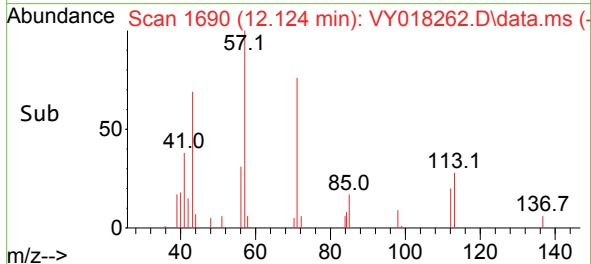
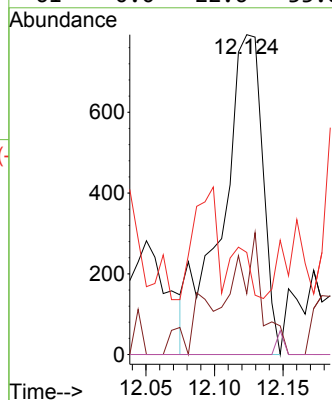
Ion Ratio Lower Upper

43 100

70 26.5 41.4 62.2#

55 0.0 23.3 34.9#

61 0.0 22.6 33.8#



#76

1,2,3-Trichloropropane

Concen: 64.182 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY018262.D

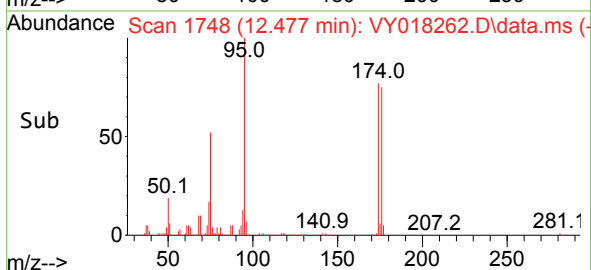
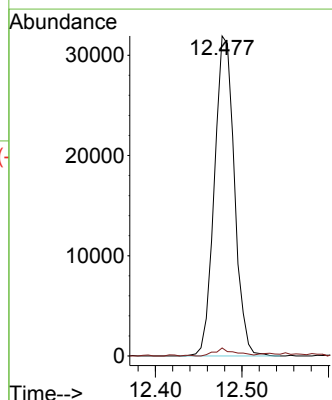
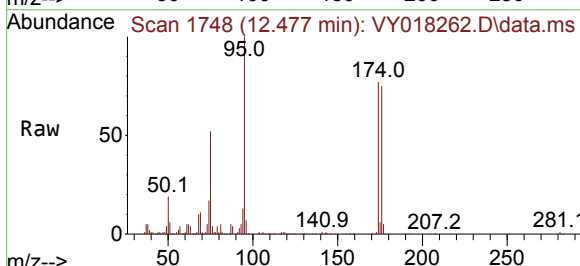
Acq: 14 May 2024 16:46

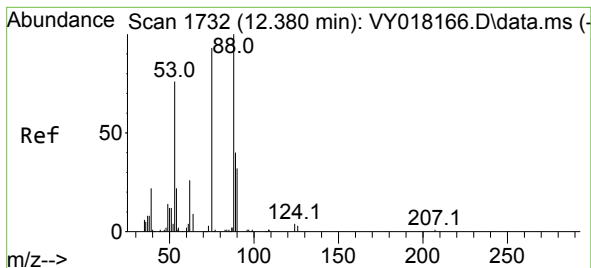
Tgt Ion: 75 Resp: 51059

Ion Ratio Lower Upper

75 100

77 2.5 0.0 0.0#

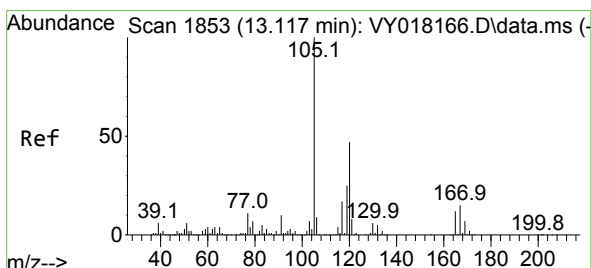
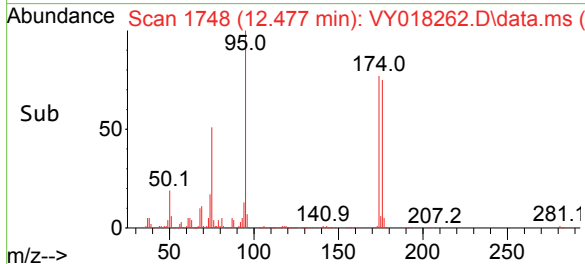
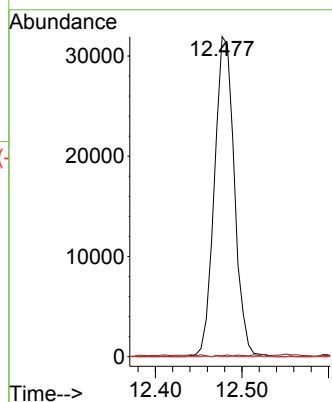
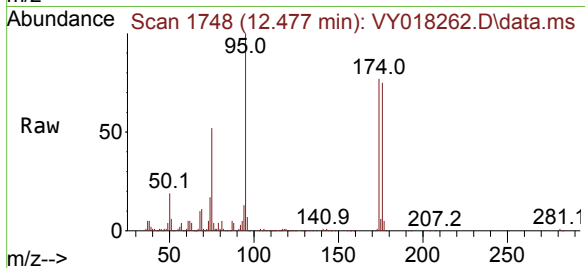




#81
trans-1,4-Dichloro-2-butene
Concen: 123.657 ug/l
RT: 12.477 min Scan# 1732
Delta R.T. 0.098 min
Lab File: VY018262.D
Acq: 14 May 2024 16:46

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-051424

Tgt Ion: 75 Resp: 51059
Ion Ratio Lower Upper
75 100
53 0.3 66.8 100.2#
89 0.0 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 2.923 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY018262.D
Acq: 14 May 2024 16:46

Tgt Ion: 105 Resp: 16826
Ion Ratio Lower Upper
105 100
120 47.7 23.2 69.6

