

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051624\
 Data File : VY018292.D
 Acq On : 16 May 2024 17:58
 Operator : SY/MD
 Sample : P2497-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 280856

Quant Time: May 17 01:18:03 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)

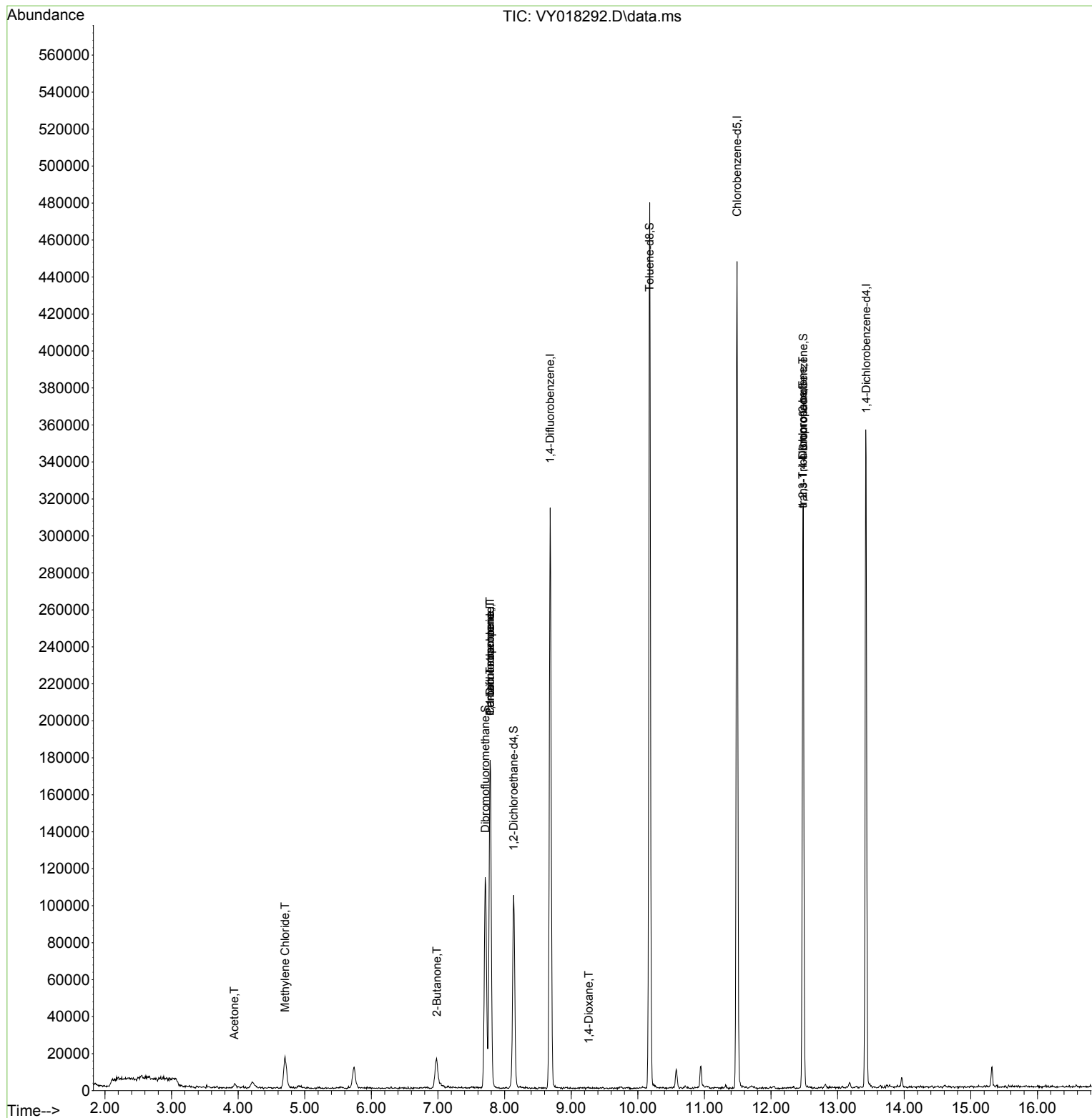
Internal Standards						
1) Pentafluorobenzene	7.783	168	137426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	274587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	246615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	76578	75.745	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 151.480%	
35) Dibromofluoromethane	7.710	113	82014	56.833	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.660%	
50) Toluene-d8	10.179	98	318682	56.040	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.080%	
62) 4-Bromofluorobenzene	12.483	95	95886	52.213	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.420%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.918	59	591	Below Cal	100	
13) Acrolein	3.662	56	90	Below Cal	#	50
16) Acetone	3.942	43	1682	8.337	ug/l	95
20) Methylene Chloride	4.704	84	12949	9.080	ug/l	97
25) 2-Butanone	6.984	43	888	2.753	ug/l	# 41
31) Cyclohexane	7.777	56	3116	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	11921	5.762	ug/l	# 48
38) Carbon Tetrachloride	7.783	117	14587	6.453	ug/l	# 16
49) 1,4-Dioxane	9.264	88	39	3.513	ug/l	# 20
76) 1,2,3-Trichloropropane	12.477	75	48565	67.231	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	48565	129.531	ug/l	# 16

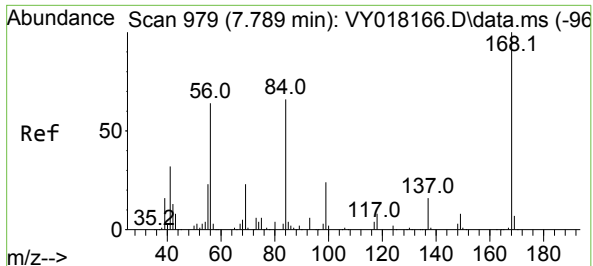
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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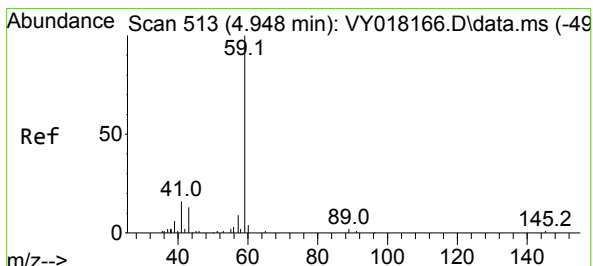
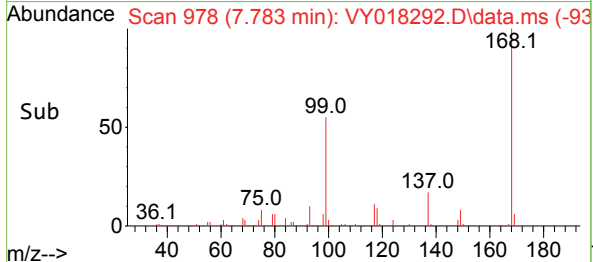
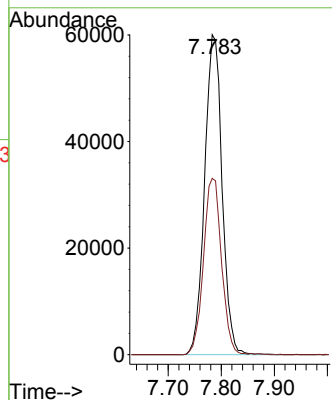
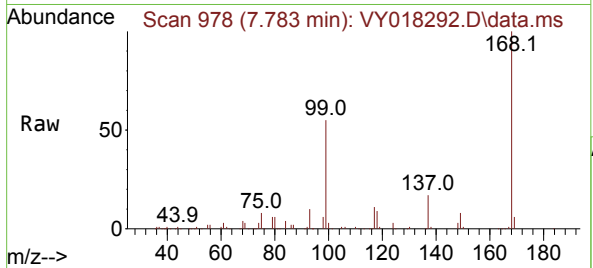




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018292.D
Acq: 16 May 2024 17:58

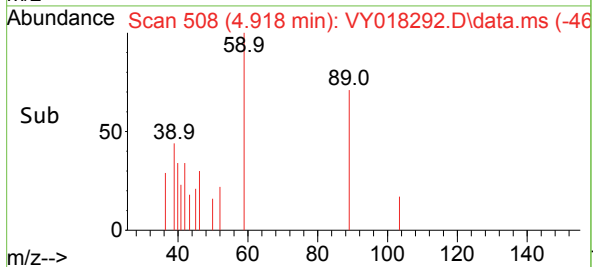
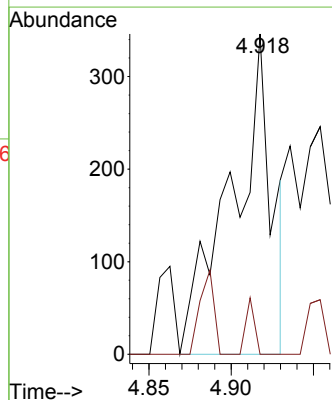
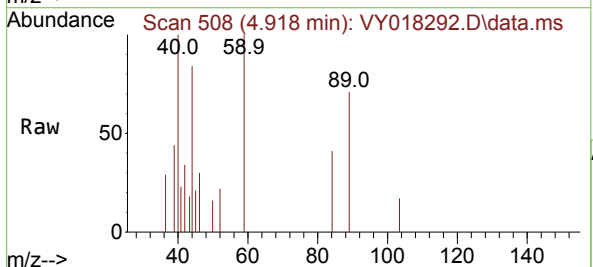
Instrument :
MSVOA_Y
ClientSampleId :
280856

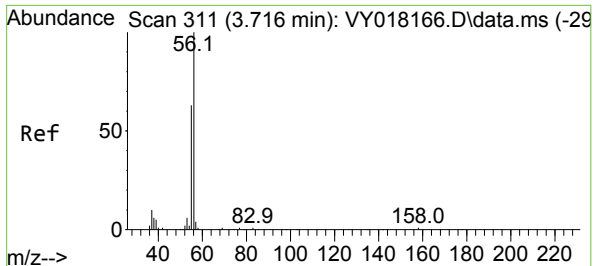
Tgt Ion:168 Resp: 137426
Ion Ratio Lower Upper
168 100
99 55.1 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY018292.D
Acq: 16 May 2024 17:58

Tgt Ion: 59 Resp: 591
Ion Ratio Lower Upper
59 100
57 3.7 3.0 4.6





#13

Acrolein

Concen: Below Cal

RT: 3.662 min Scan# 302

Delta R.T. -0.054 min

Lab File: VY018292.D

Acq: 16 May 2024 17:58

Instrument :

MSVOA_Y

ClientSampleId :

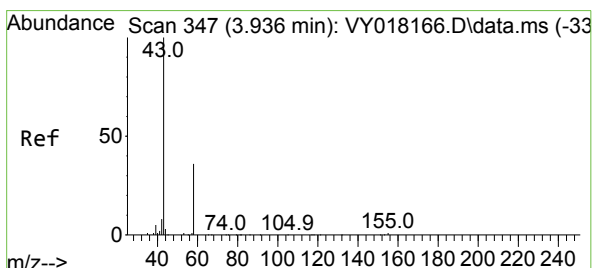
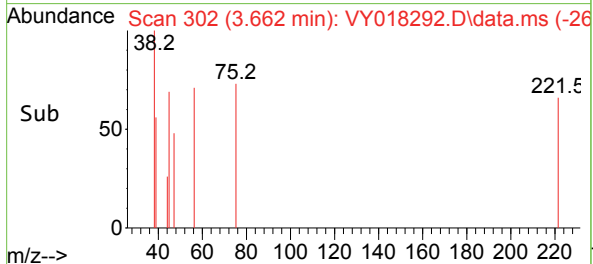
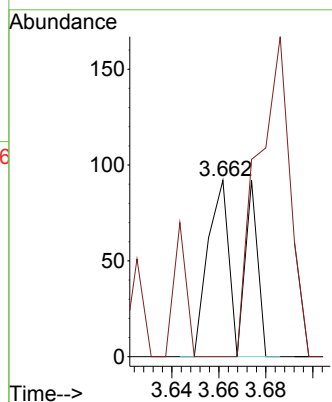
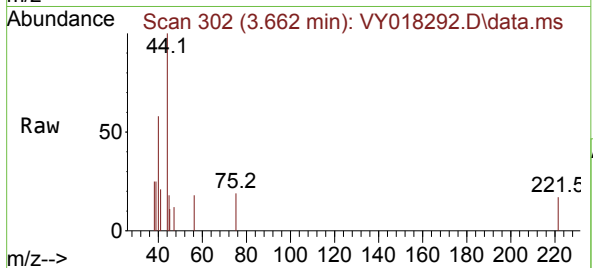
280856

Tgt Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

55 28.9 55.7 83.5#



#16

Acetone

Concen: 8.337 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY018292.D

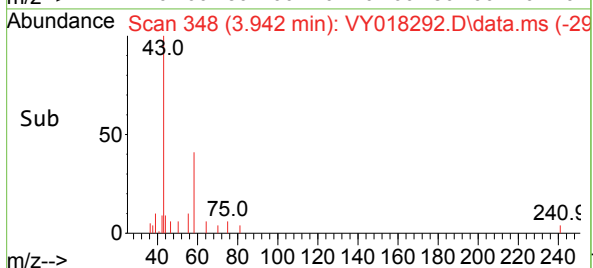
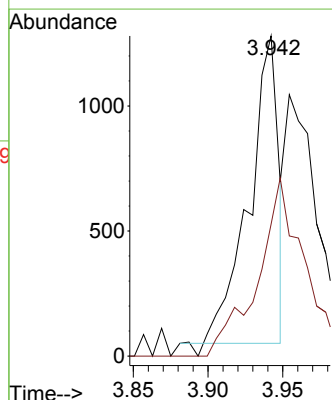
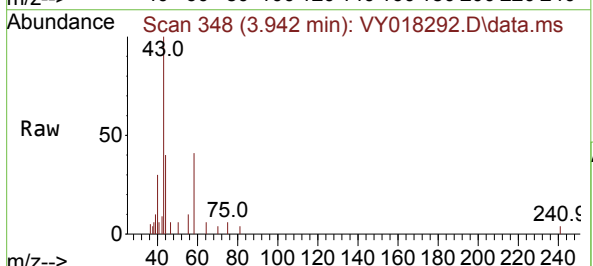
Acq: 16 May 2024 17:58

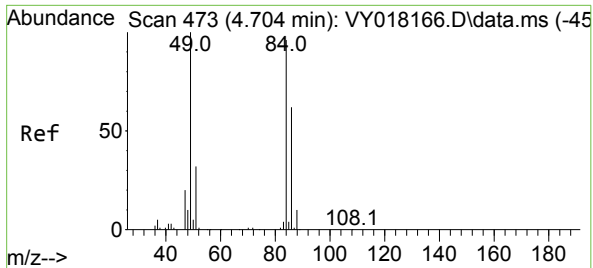
Tgt Ion: 43 Resp: 1682

Ion Ratio Lower Upper

43 100

58 42.9 31.7 47.5

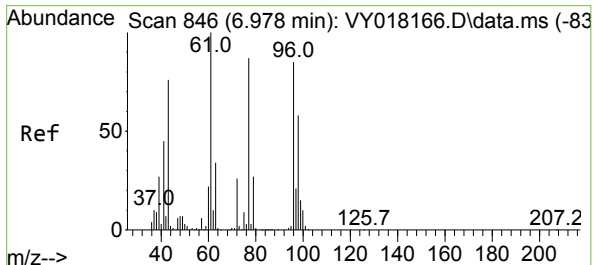
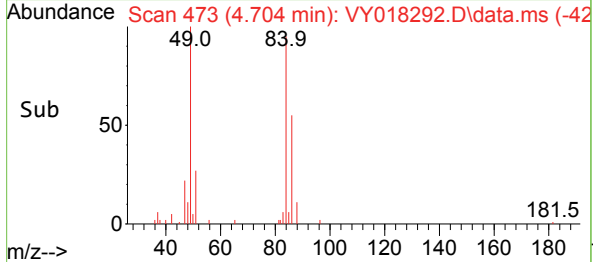
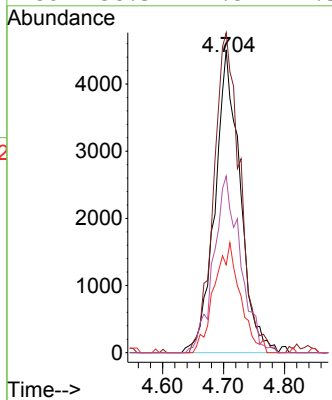
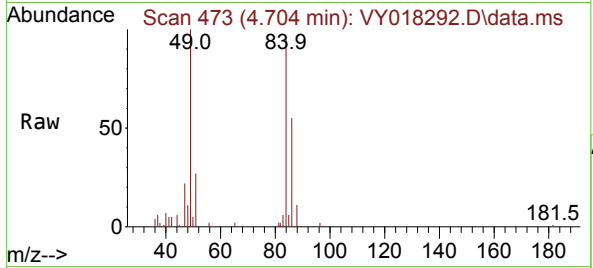




#20
Methylene Chloride
Concen: 9.080 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY018292.D
Acq: 16 May 2024 17:58

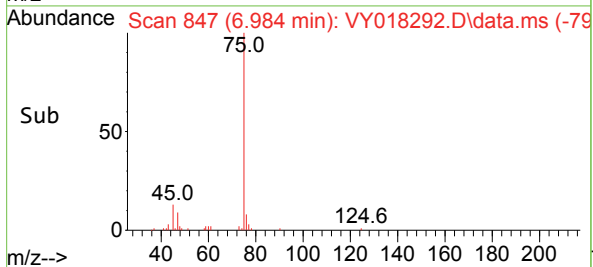
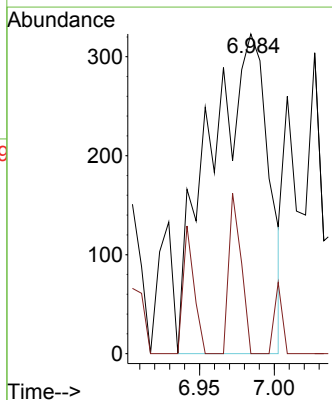
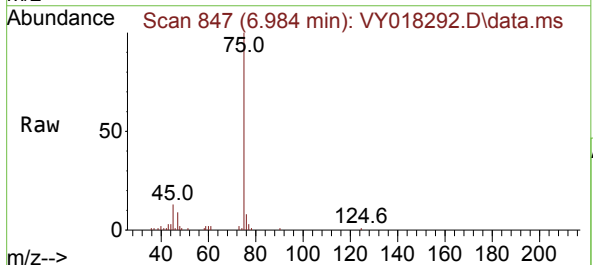
Instrument :
MSVOA_Y
ClientSampleId :
280856

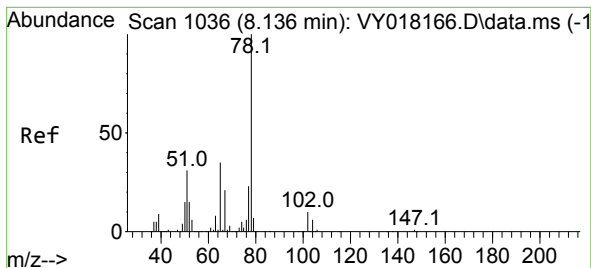
Tgt Ion:	84	Resp:	12949
Ion	Ratio	Lower	Upper
84	100		
49	105.7	84.4	126.6
51	29.0	26.0	39.0
86	58.3	49.5	74.3



#25
2-Butanone
Concen: 2.753 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY018292.D
Acq: 16 May 2024 17:58

Tgt Ion:	43	Resp:	888
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#33

1,2-Dichloroethane-d4

Concen: 75.745 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY018292.D

Acq: 16 May 2024 17:58

Instrument :

MSVOA_Y

ClientSampleId :

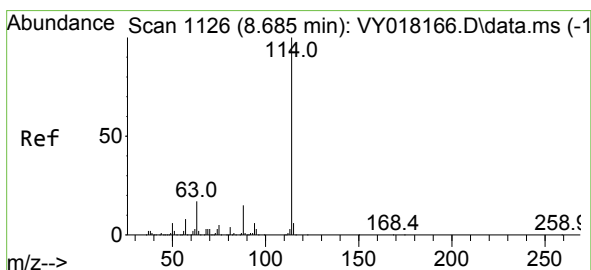
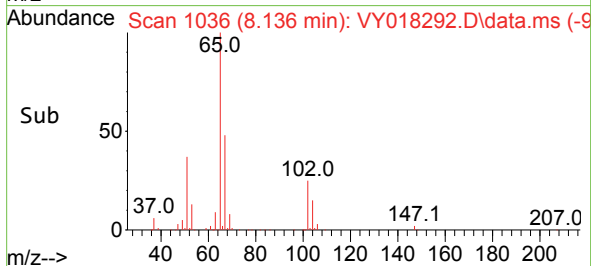
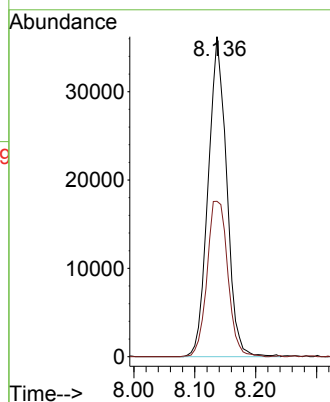
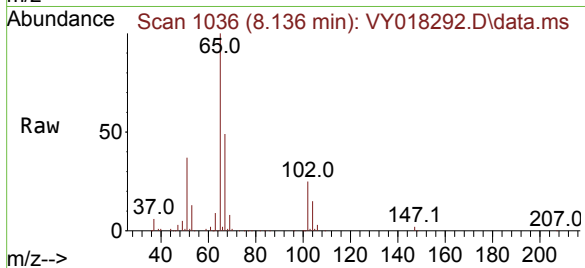
280856

Tgt Ion: 65 Resp: 76578

Ion Ratio Lower Upper

65 100

67 54.4 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: VY018292.D

Acq: 16 May 2024 17:58

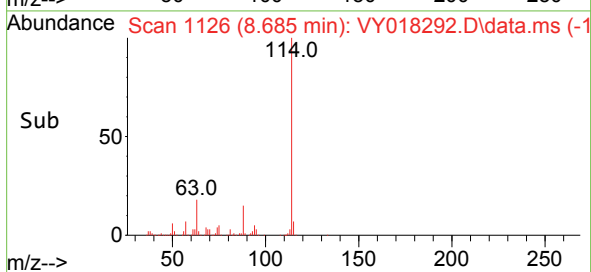
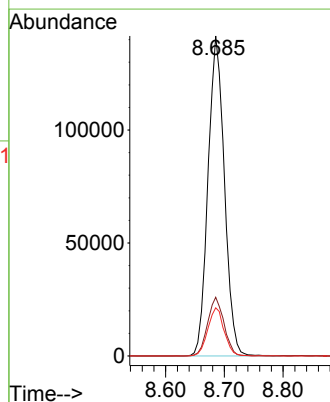
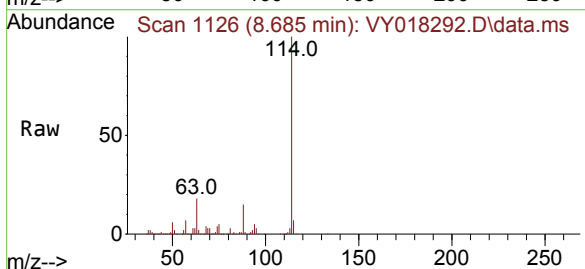
Tgt Ion: 114 Resp: 274587

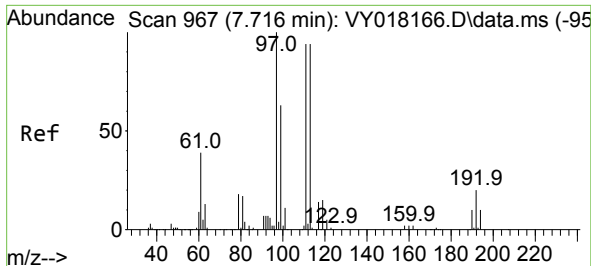
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

88 15.0 0.0 27.2

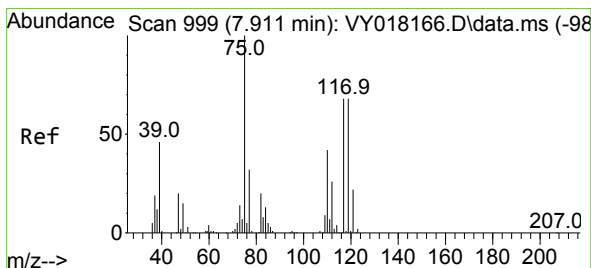
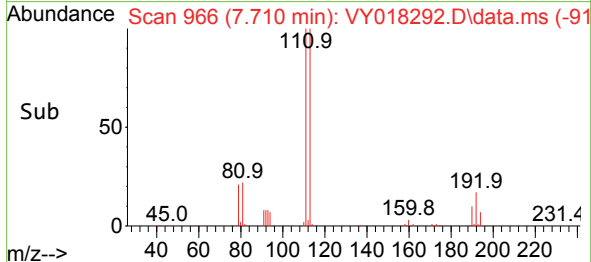
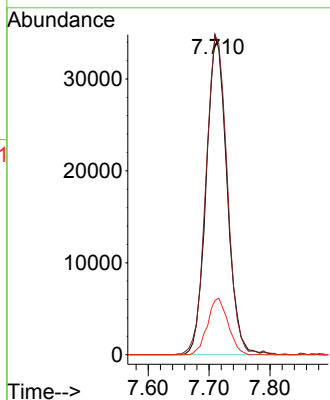
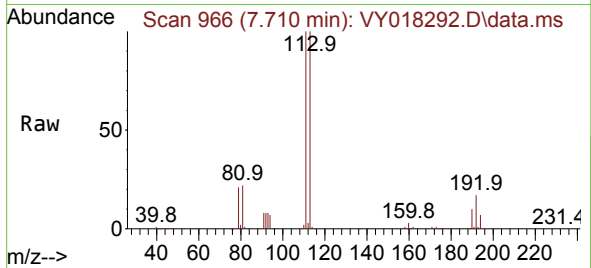




#35
Dibromofluoromethane
Concen: 56.833 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018292.D
Acq: 16 May 2024 17:58

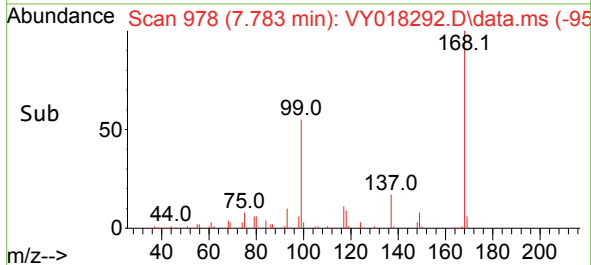
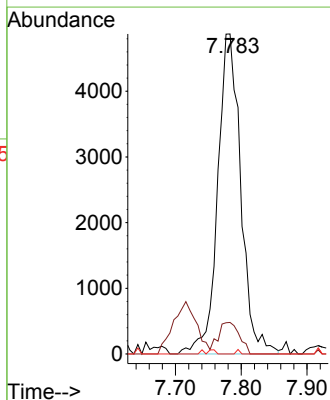
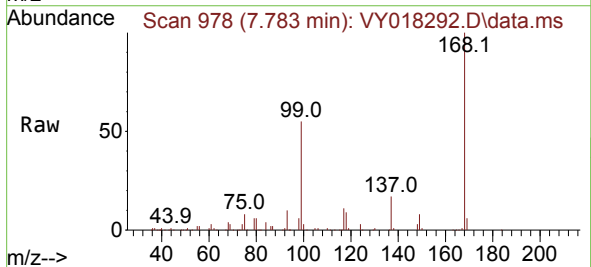
Instrument :
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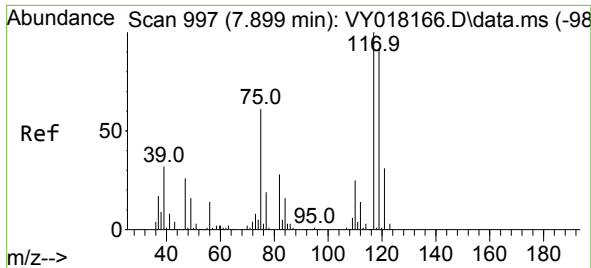
Tgt Ion:113 Resp: 82014
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 17.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.762 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY018292.D
Acq: 16 May 2024 17:58

Tgt Ion: 75 Resp: 11921
Ion Ratio Lower Upper
75 100
110 9.0 19.0 57.0#
77 0.2 25.3 37.9#

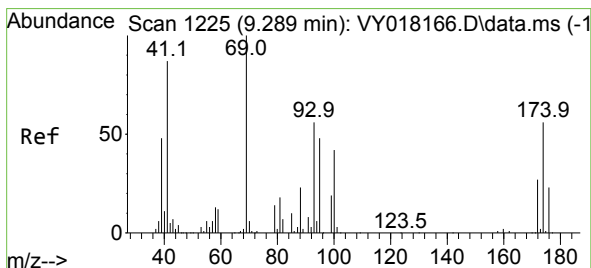
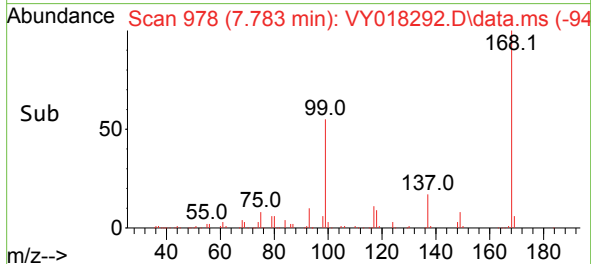
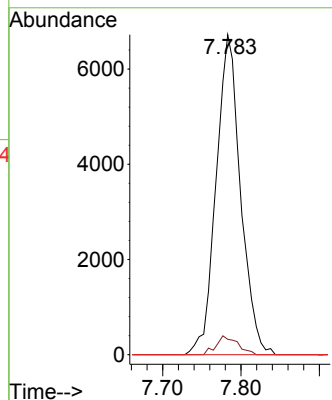
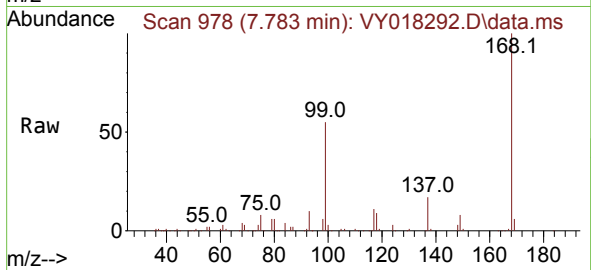




#38
Carbon Tetrachloride
Concen: 6.453 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY018292.D
Acq: 16 May 2024 17:58

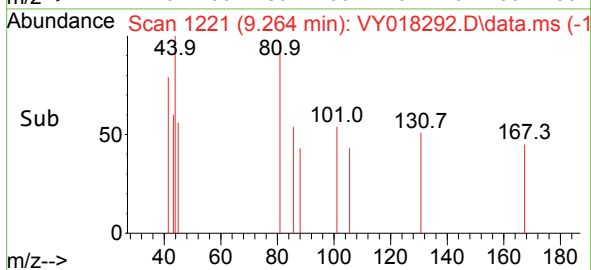
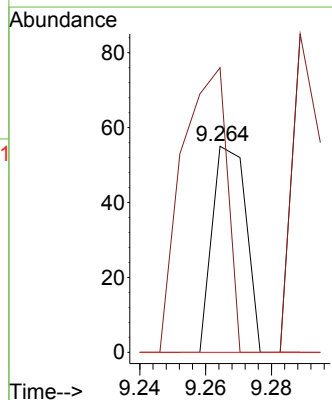
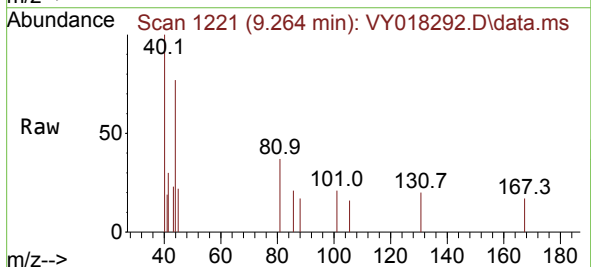
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280856

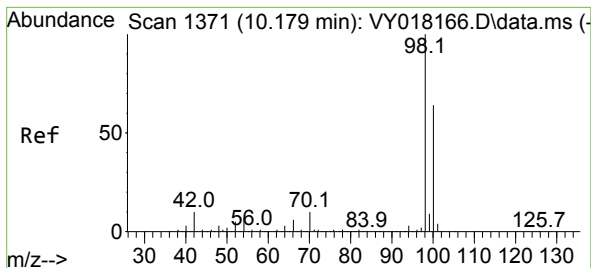
Tgt Ion:117 Resp: 14587
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 3.513 ug/l
RT: 9.264 min Scan# 1221
Delta R.T. -0.024 min
Lab File: VY018292.D
Acq: 16 May 2024 17:58

Tgt Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 184.6 0.0 0.0#
58 0.0 49.3 73.9#





#50

Toluene-d8

Concen: 56.040 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018292.D

Acq: 16 May 2024 17:58

Instrument :

MSVOA_Y

ClientSampleId :

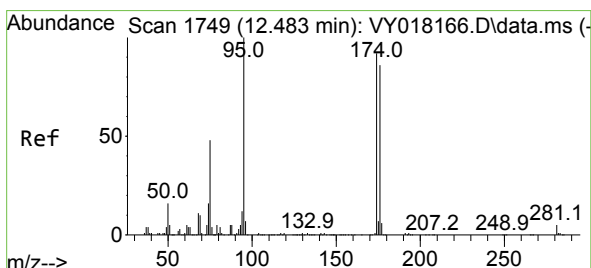
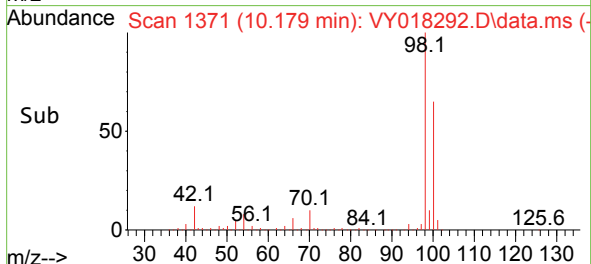
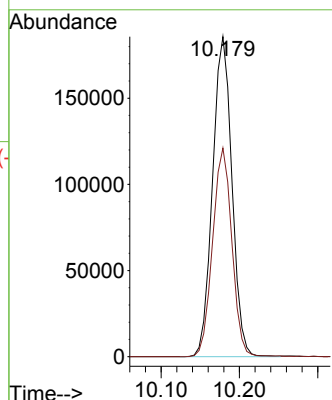
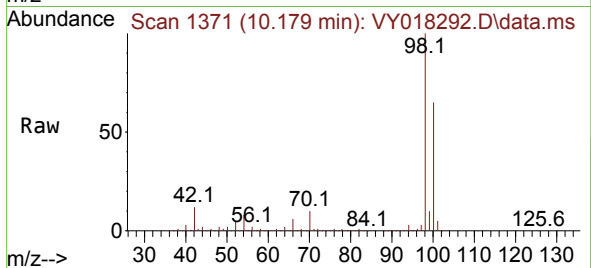
280856

Tgt Ion: 98 Resp: 318682

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 52.213 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY018292.D

Acq: 16 May 2024 17:58

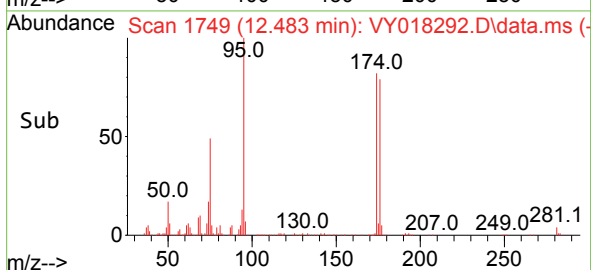
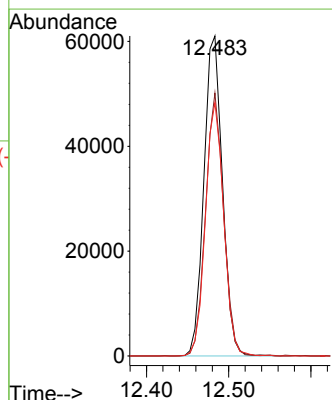
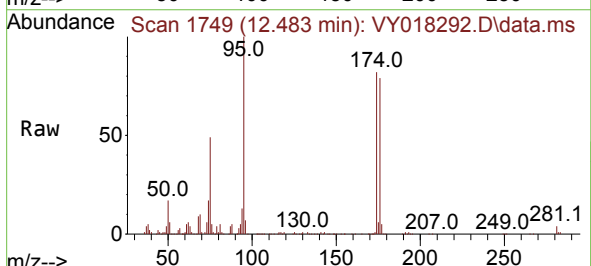
Tgt Ion: 95 Resp: 95886

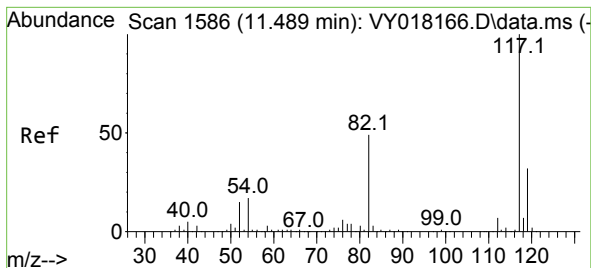
Ion Ratio Lower Upper

95 100

174 79.7 0.0 175.6

176 77.9 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: VY018292.D

Acq: 16 May 2024 17:58

Instrument :

MSVOA_Y

ClientSampleId :

280856

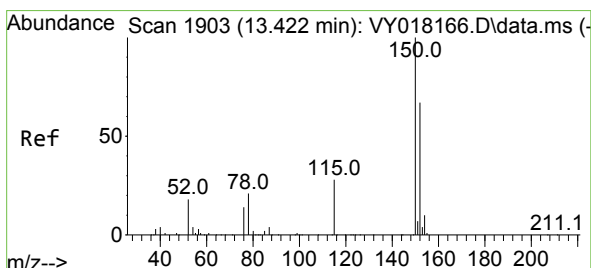
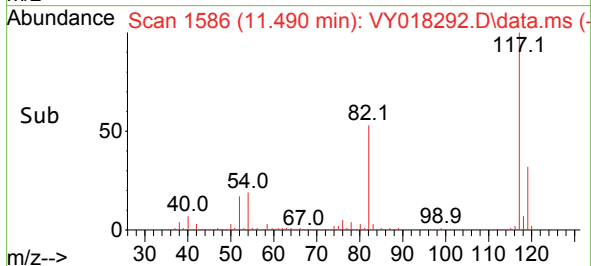
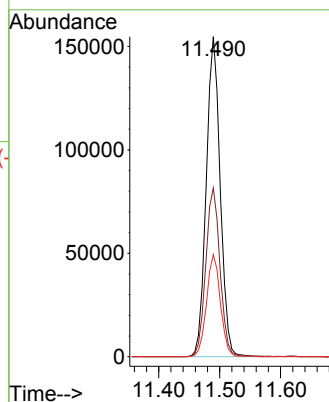
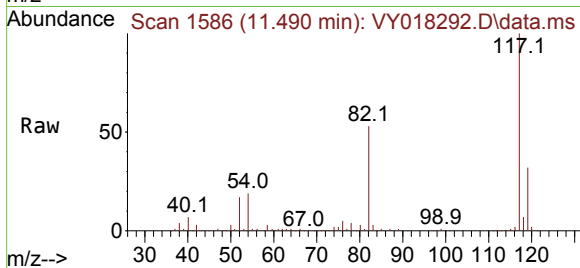
Tgt Ion:117 Resp: 246615

Ion Ratio Lower Upper

117 100

82 52.7 42.4 63.6

119 31.9 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: VY018292.D

Acq: 16 May 2024 17:58

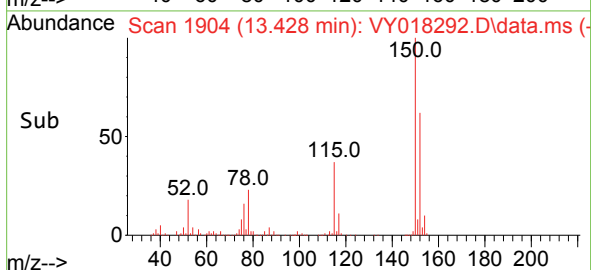
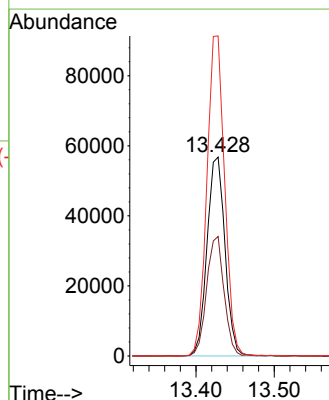
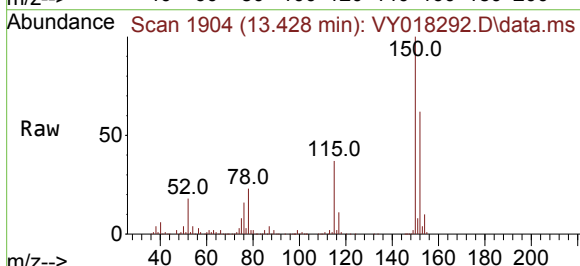
Tgt Ion:152 Resp: 90246

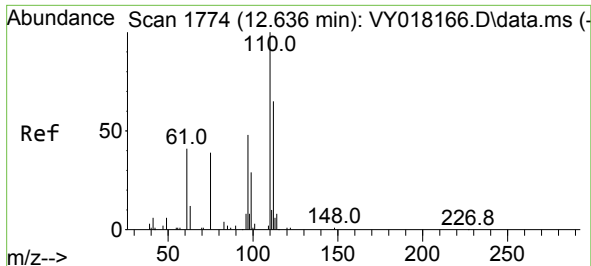
Ion Ratio Lower Upper

152 100

115 58.7 28.2 84.7

150 158.9 0.0 345.6

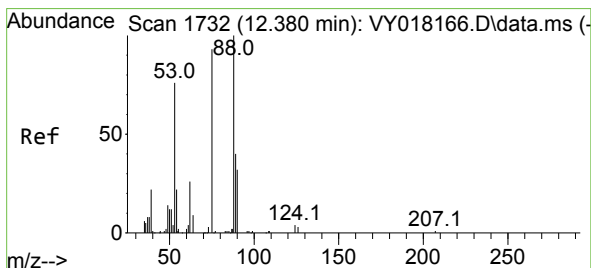
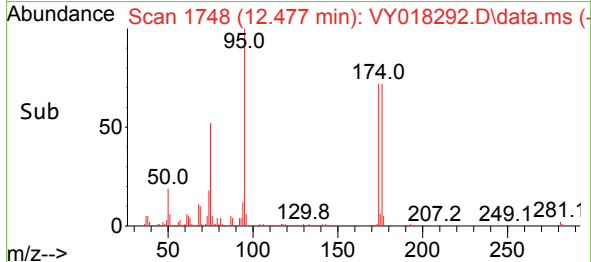
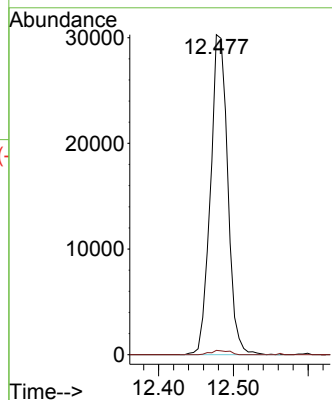
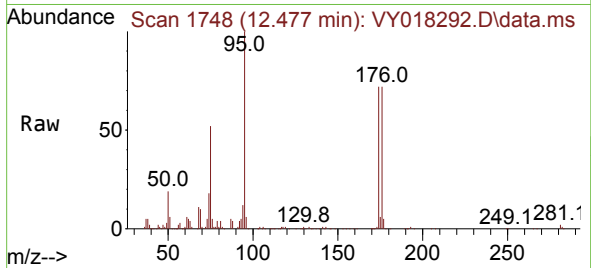




#76
1,2,3-Trichloropropane
Concen: 67.231 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY018292.D
Acq: 16 May 2024 17:58

Instrument :
MSVOA_Y
ClientSampleId :
280856

Tgt Ion: 75 Resp: 48565
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.531 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY018292.D
Acq: 16 May 2024 17:58

Tgt Ion: 75 Resp: 48565
Ion Ratio Lower Upper
75 100
53 0.3 66.8 100.2#
89 0.2 35.8 53.6#

