

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050224\
 Data File : VY018115.D
 Acq On : 02 May 2024 14:31
 Operator : SY/MD
 Sample : P2311-02
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 02 23:04:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 16:21:20 2024
 Response via : Initial Calibration

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

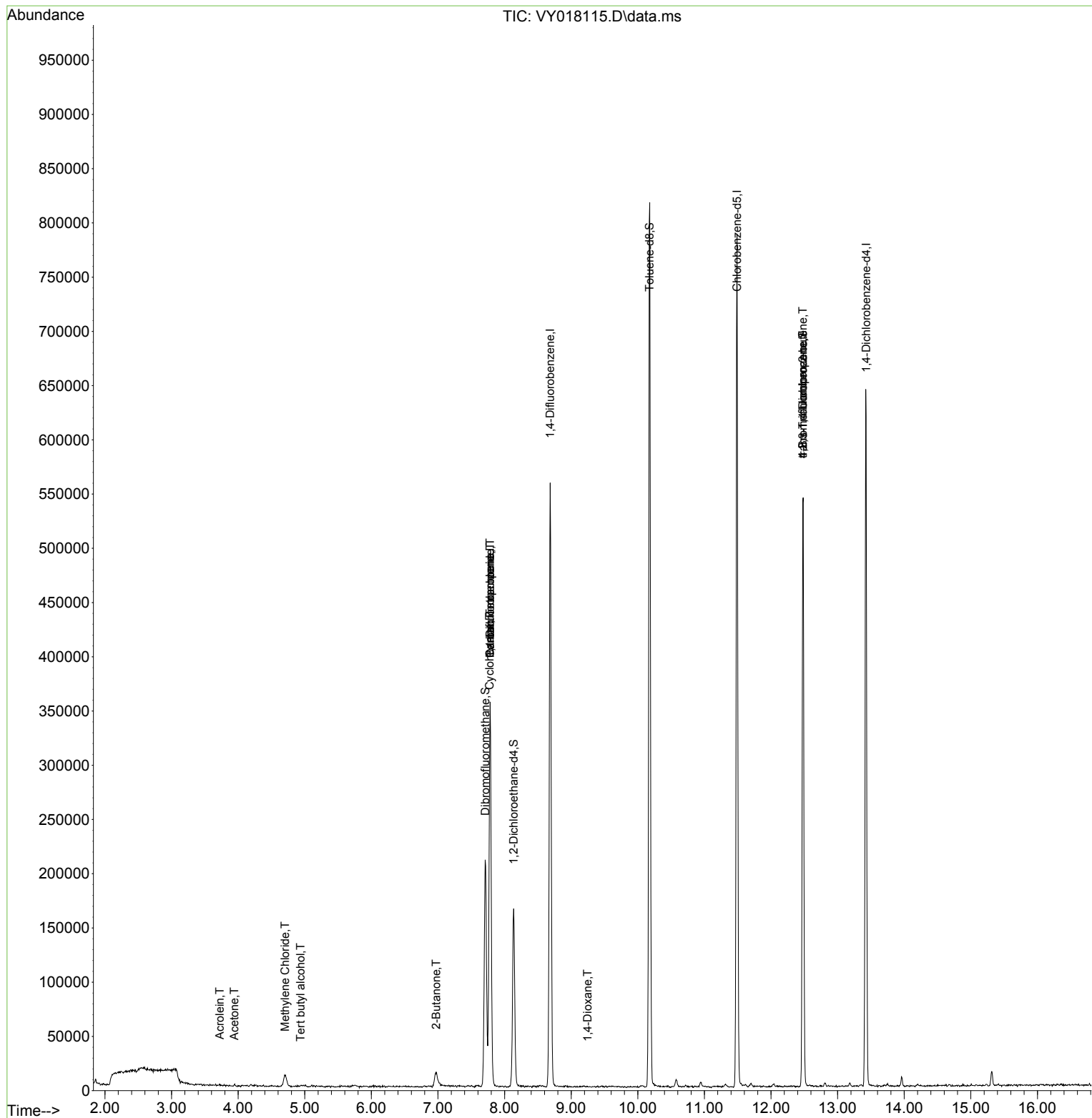
Internal Standards						
1) Pentafluorobenzene	7.783	168	292582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	517378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	448128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	177609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	119483	51.809	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.620%	
35) Dibromofluoromethane	7.710	113	148558	49.965	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.940%	
50) Toluene-d8	10.179	98	563783	48.572	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.140%	
62) 4-Bromofluorobenzene	12.477	95	177146	44.347	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	238	1.266	ug/l #	1
13) Acrolein	3.723	56	329	1.176	ug/l	88
16) Acetone	3.942	43	809	1.841	ug/l	98
20) Methylene Chloride	4.704	84	8284	2.691	ug/l #	87
25) 2-Butanone	6.972	43	759	1.110	ug/l #	41
31) Cyclohexane	7.777	56	5216	1.180	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	19690	4.961	ug/l #	50
38) Carbon Tetrachloride	7.783	117	27756	6.162	ug/l #	15
49) 1,4-Dioxane	9.246	88	42	2.238	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	87231	58.521	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	87231	106.612	ug/l #	16

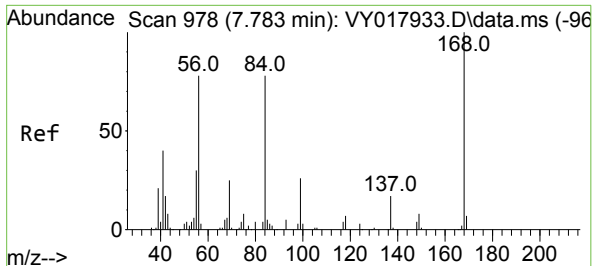
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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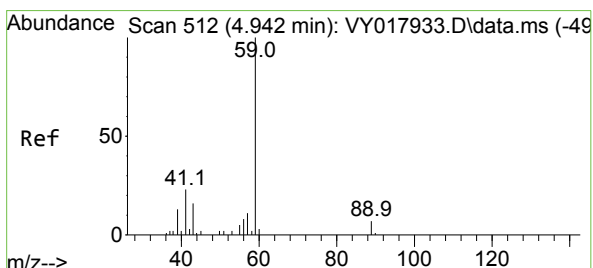
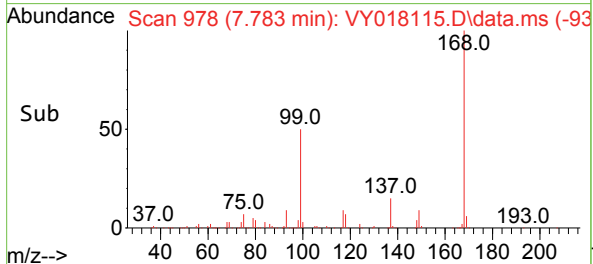
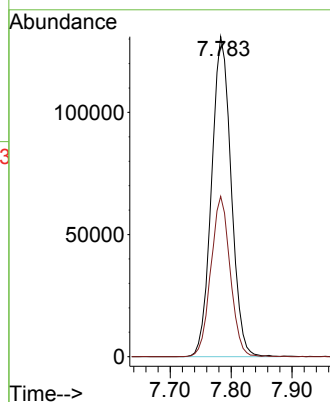
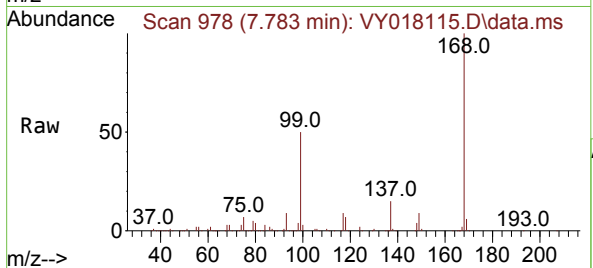




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018115.D
Acq: 02 May 2024 14:31

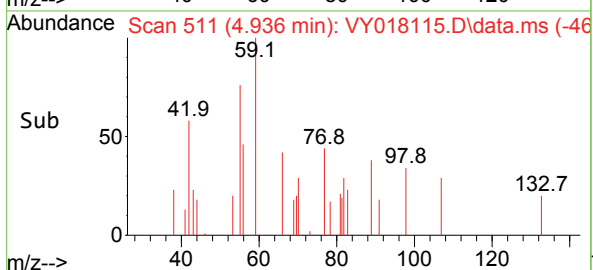
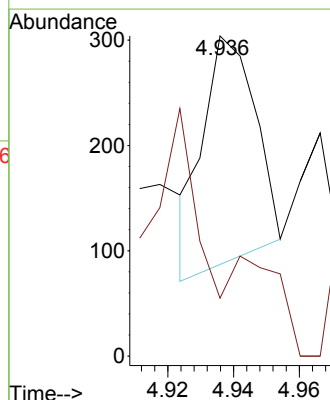
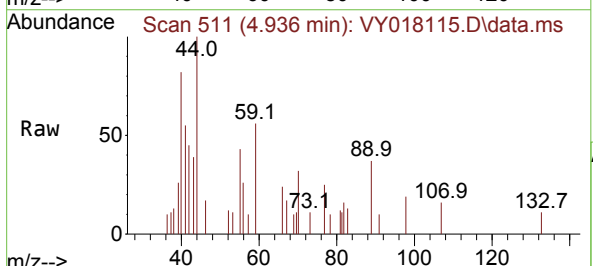
Instrument :
MSVOA_Y
ClientSampleId :

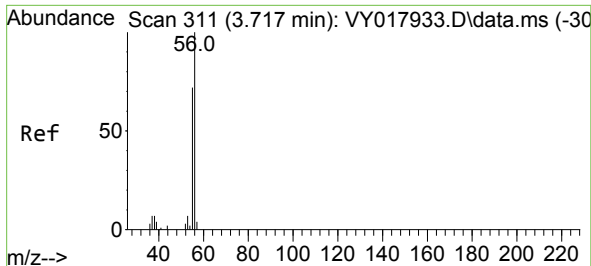
Tgt Ion:168 Resp: 292582
Ion Ratio Lower Upper
168 100
99 50.1 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.266 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY018115.D
Acq: 02 May 2024 14:31

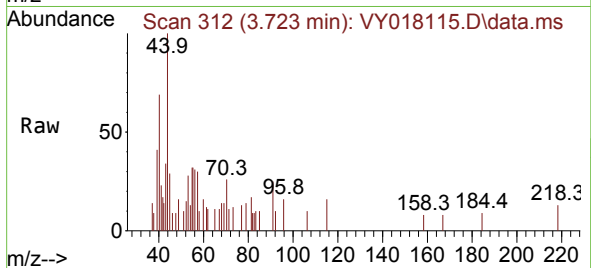
Tgt Ion: 59 Resp: 238
Ion Ratio Lower Upper
59 100
57 116.0 3.0 4.6#



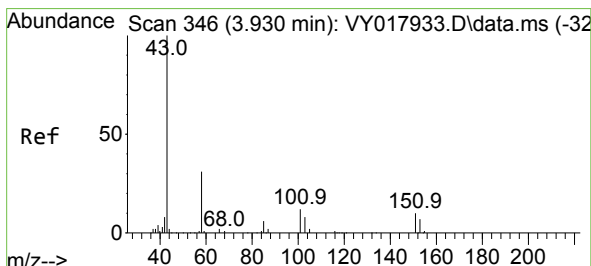
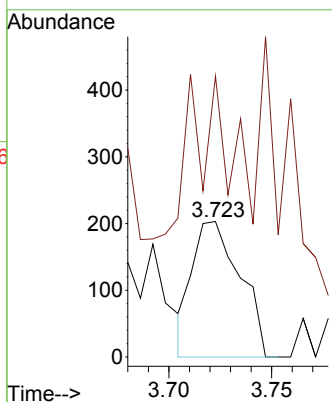
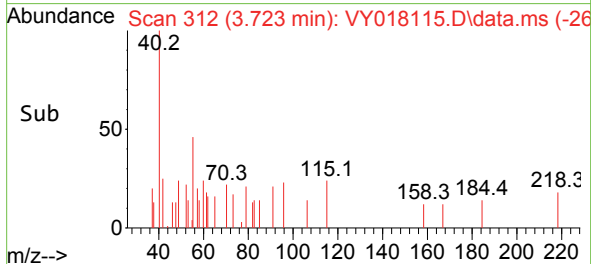


#13
Acrolein
Concen: 1.176 ug/l
RT: 3.723 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY018115.D
Acq: 02 May 2024 14:31

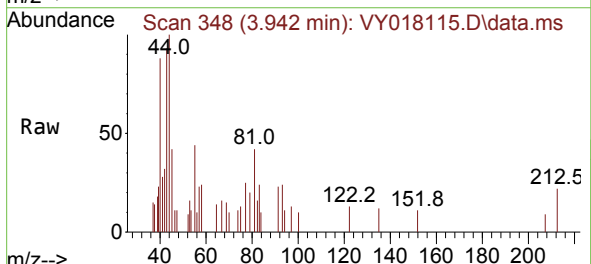
Instrument :
MSVOA_Y
ClientSampleId :



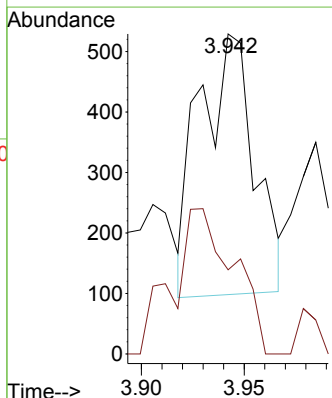
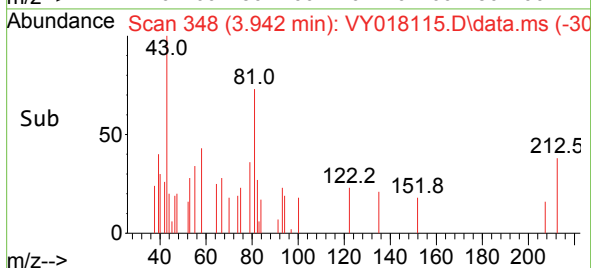
Tgt Ion: 56 Resp: 329
Ion Ratio Lower Upper
56 100
55 59.6 55.7 83.5

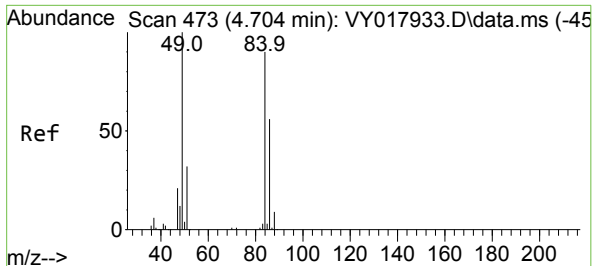


#16
Acetone
Concen: 1.841 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY018115.D
Acq: 02 May 2024 14:31



Tgt Ion: 43 Resp: 809
Ion Ratio Lower Upper
43 100
58 38.3 31.7 47.5





#20

Methylene Chloride

Concen: 2.691 ug/l

RT: 4.704 min Scan# 41

Delta R.T. -0.012 min

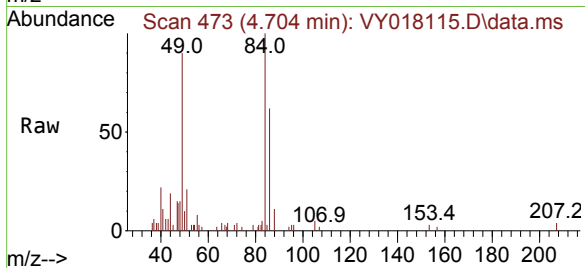
Lab File: VY018115.D

Acq: 02 May 2024 14:31

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 8284

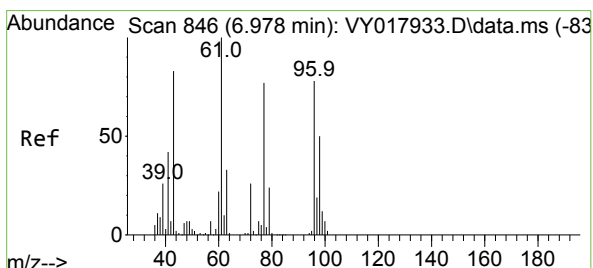
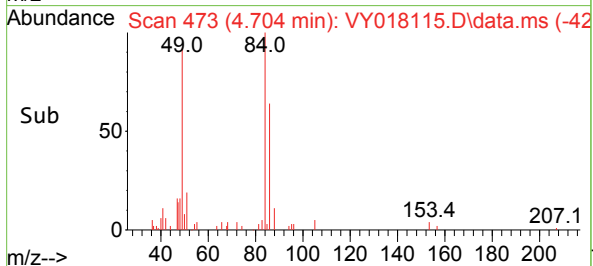
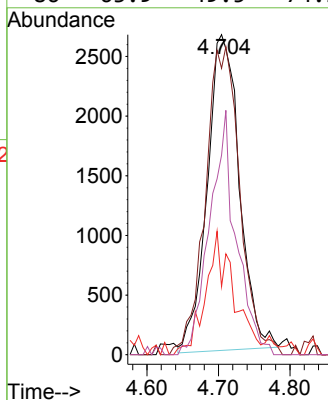
Ion Ratio Lower Upper

84 100

49 89.4 84.4 126.6

51 19.9 26.0 39.0#

86 63.9 49.5 74.3



#25

2-Butanone

Concen: 1.110 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY018115.D

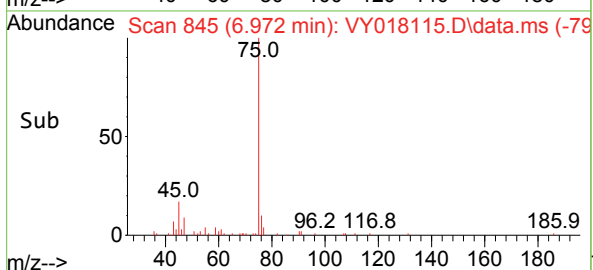
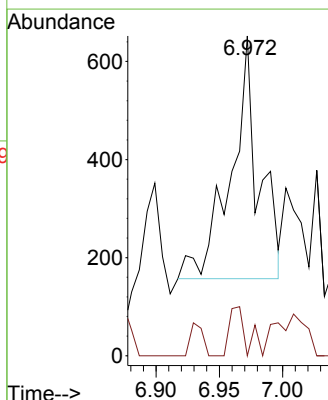
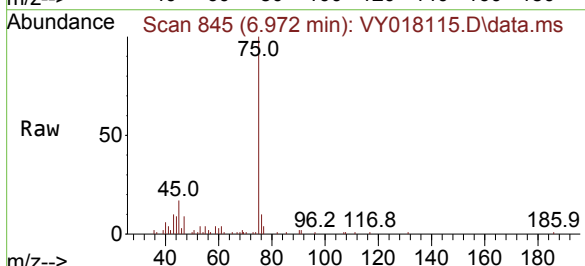
Acq: 02 May 2024 14:31

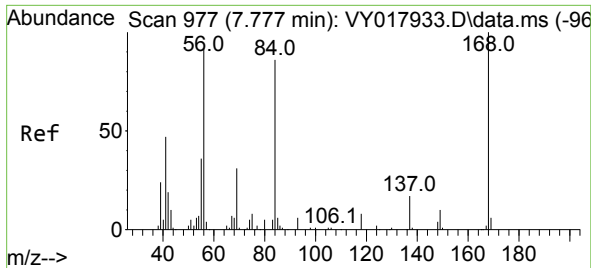
Tgt Ion: 43 Resp: 759

Ion Ratio Lower Upper

43 100

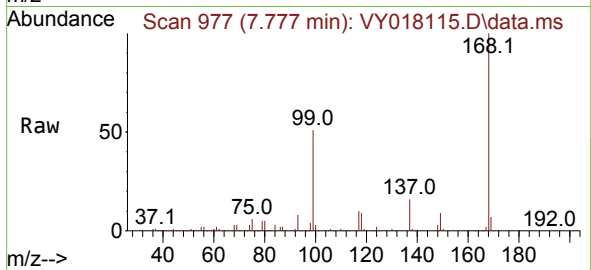
72 0.0 27.3 40.9#



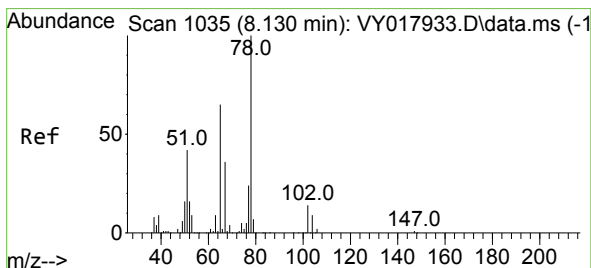
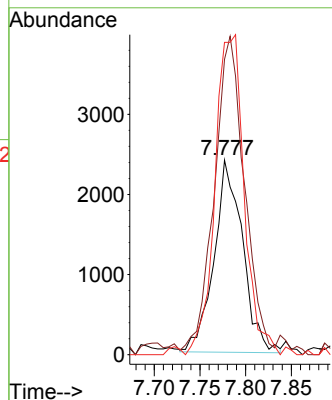
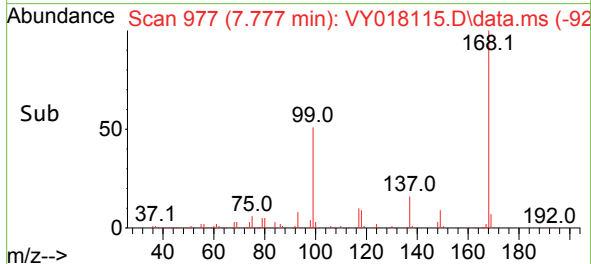


#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018115.D
Acq: 02 May 2024 14:31

Instrument :
MSVOA_Y
ClientSampleId :

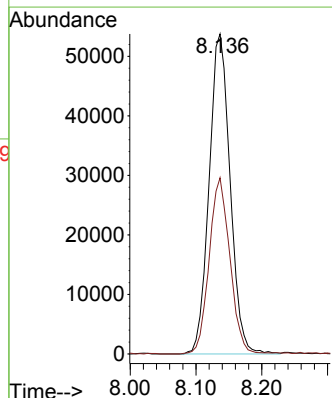
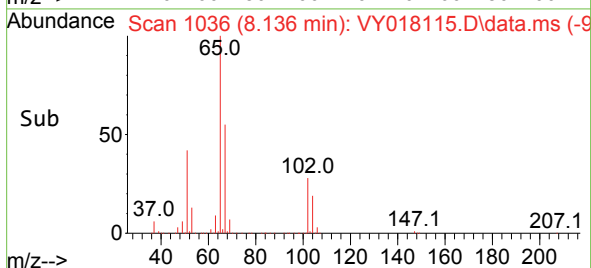
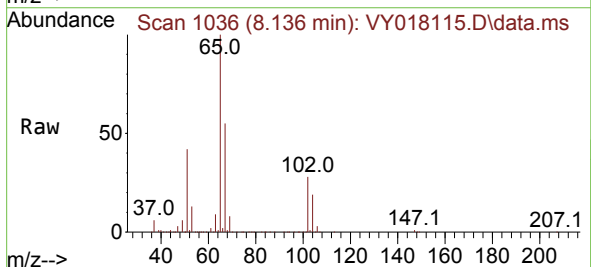


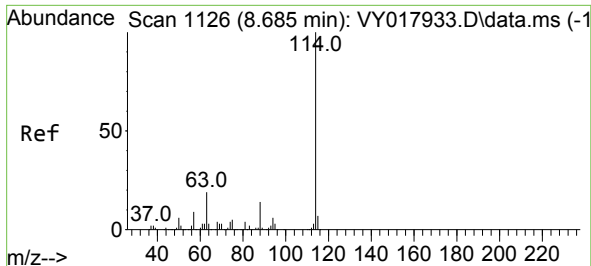
Tgt Ion: 56 Resp: 5216
Ion Ratio Lower Upper
56 100
69 153.8 28.7 43.1#
84 165.0 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 51.809 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY018115.D
Acq: 02 May 2024 14:31

Tgt Ion: 65 Resp: 119483
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.6

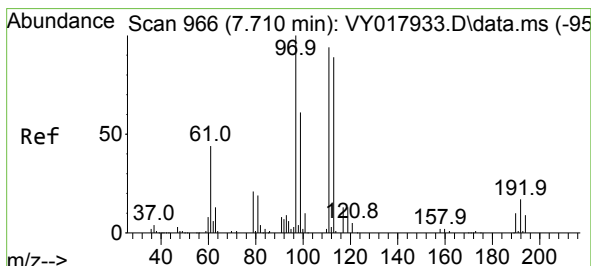
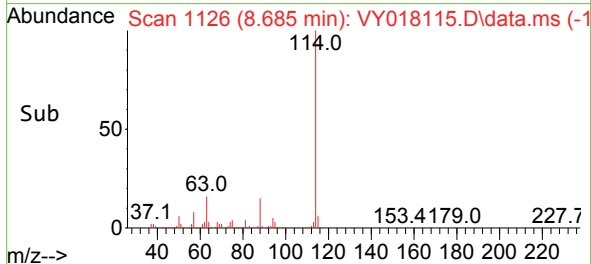
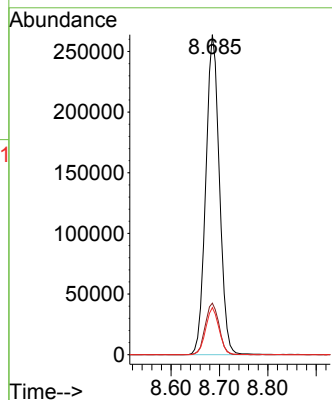
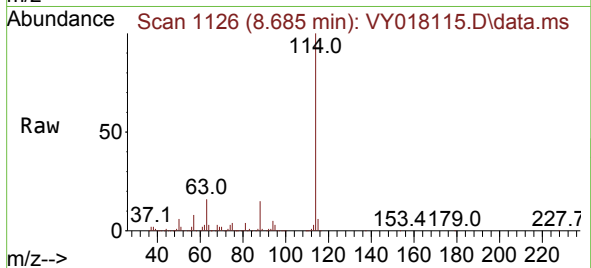




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY018115.D
Acq: 02 May 2024 14:31

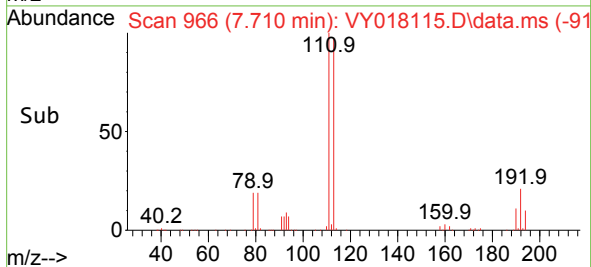
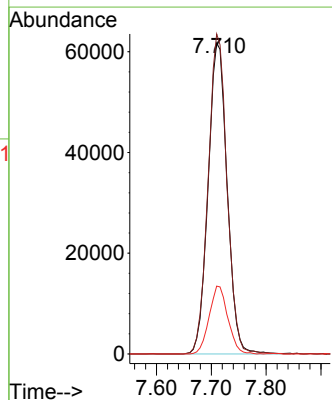
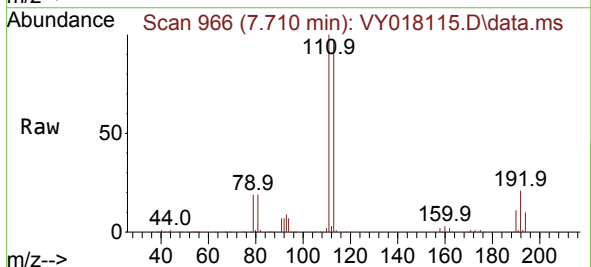
Instrument :
MSVOA_Y
ClientSampleId :

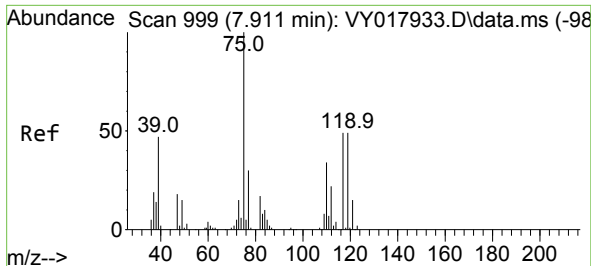
Tgt Ion:114 Resp: 517378
Ion Ratio Lower Upper
114 100
63 16.1 0.0 35.0
88 14.7 0.0 27.2



#35
Dibromofluoromethane
Concen: 49.965 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.012 min
Lab File: VY018115.D
Acq: 02 May 2024 14:31

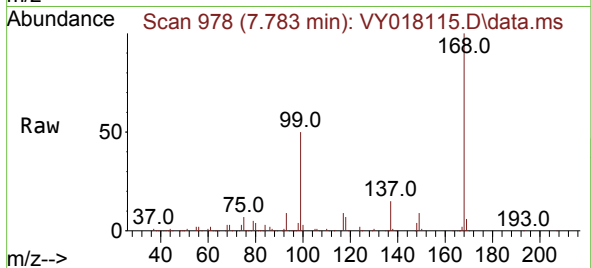
Tgt Ion:113 Resp: 148558
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.4
192 21.4 15.9 23.9



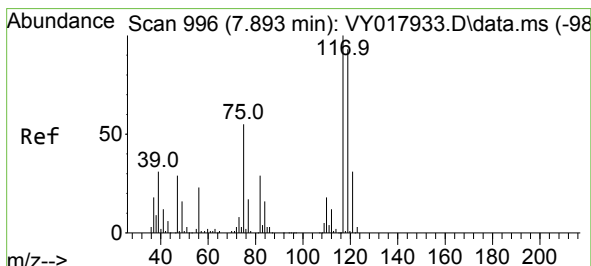
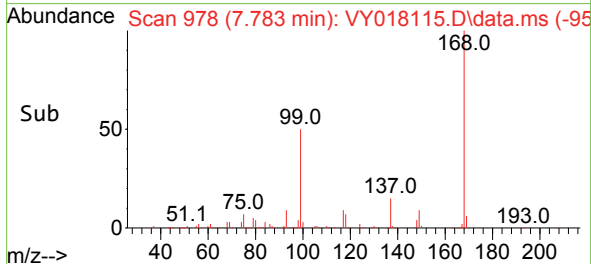
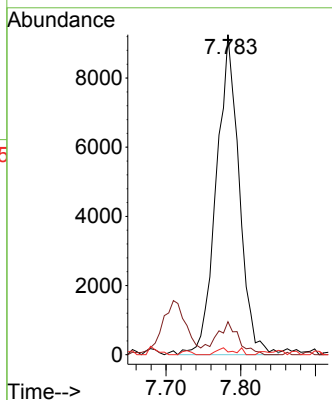


#36
1,1-Dichloropropene
Concen: 4.961 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY018115.D
Acq: 02 May 2024 14:31

Instrument :
MSVOA_Y
ClientSampleId :

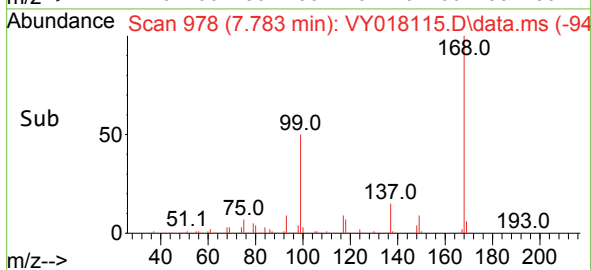
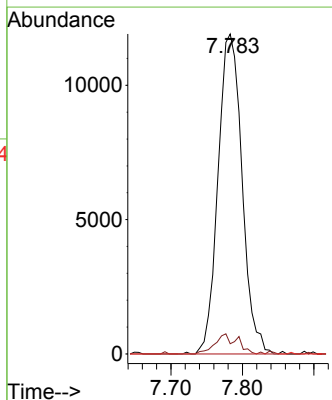
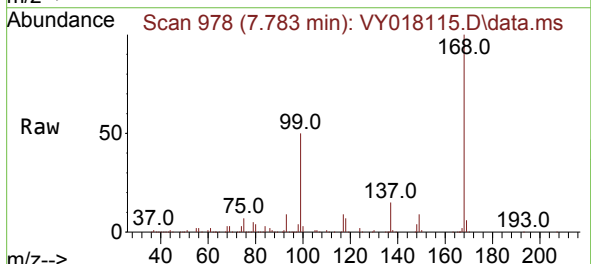


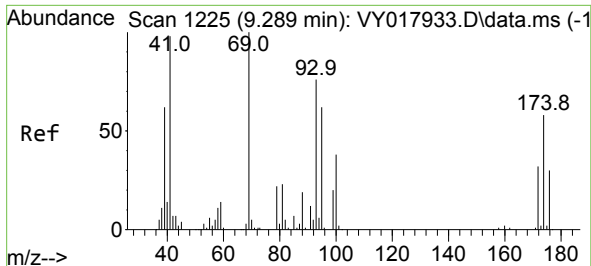
Tgt Ion: 75 Resp: 19690
Ion Ratio Lower Upper
75 100
110 10.0 19.0 57.0#
77 1.2 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.162 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY018115.D
Acq: 02 May 2024 14:31

Tgt Ion: 117 Resp: 27756
Ion Ratio Lower Upper
117 100
119 3.2 75.8 113.6#
121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 2.238 ug/l

RT: 9.246 min Scan# 11

Delta R.T. -0.055 min

Lab File: VY018115.D

Acq: 02 May 2024 14:31

Instrument :

MSVOA_Y

ClientSampleId :

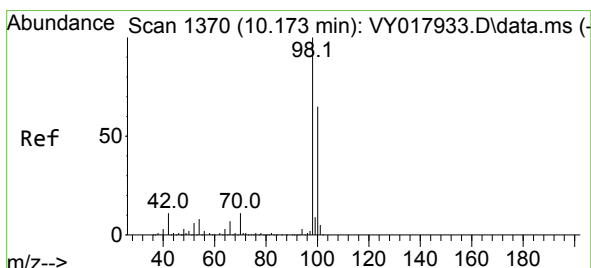
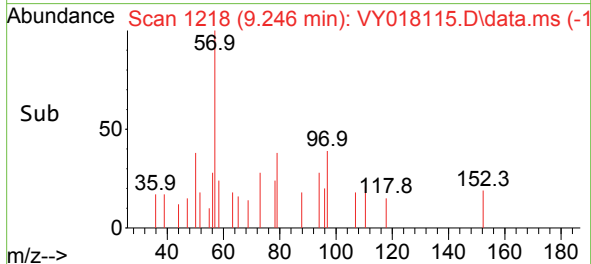
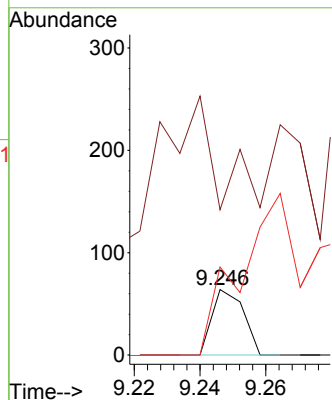
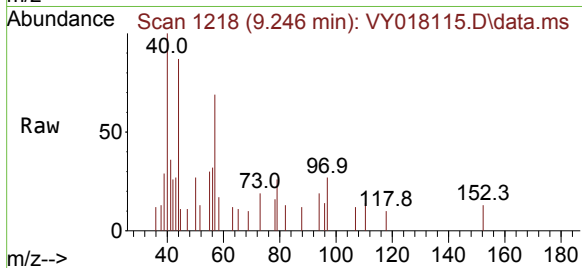
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 419.0 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 48.572 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018115.D

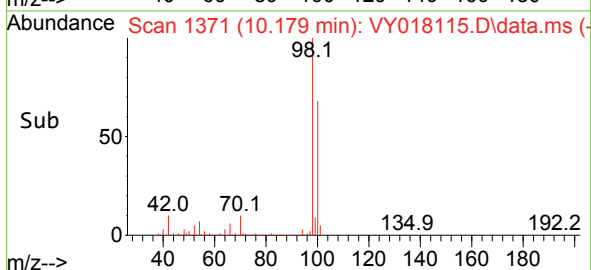
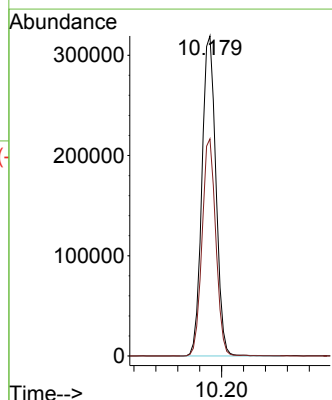
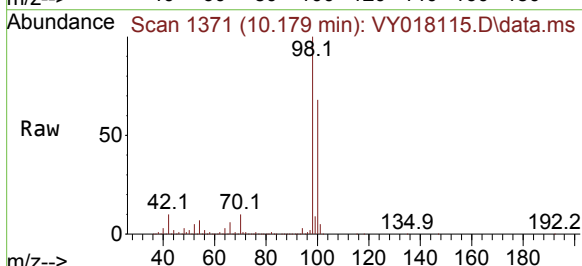
Acq: 02 May 2024 14:31

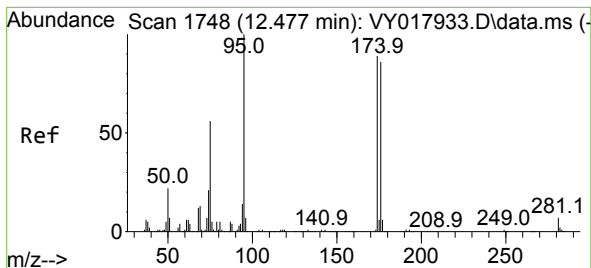
Tgt Ion: 98 Resp: 563783

Ion Ratio Lower Upper

98 100

100 66.6 52.0 78.0

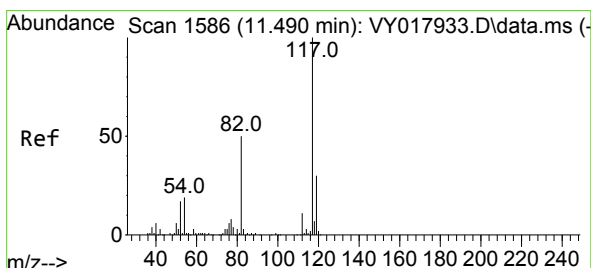
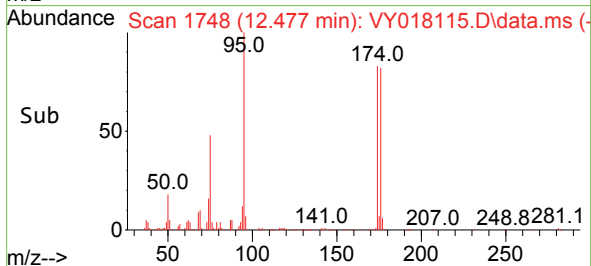
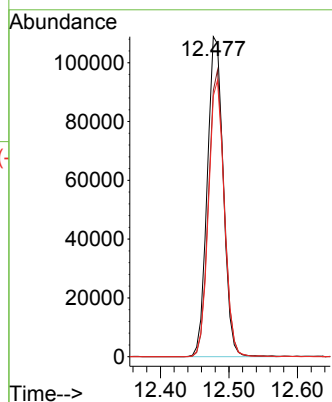
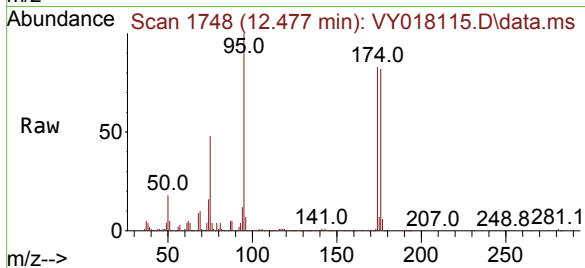




#62
4-Bromofluorobenzene
Concen: 44.347 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018115.D
Acq: 02 May 2024 14:31

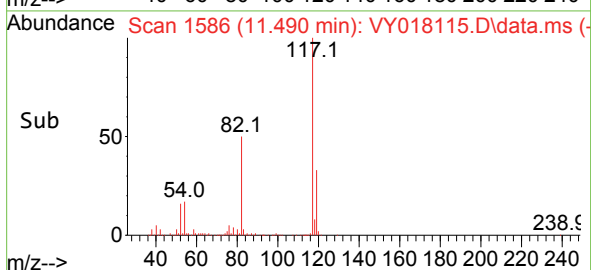
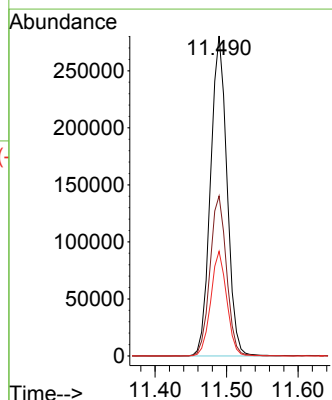
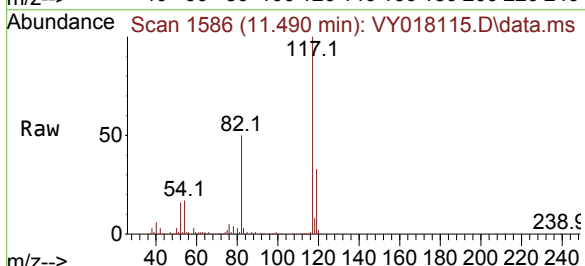
Instrument :
MSVOA_Y
ClientSampleId :

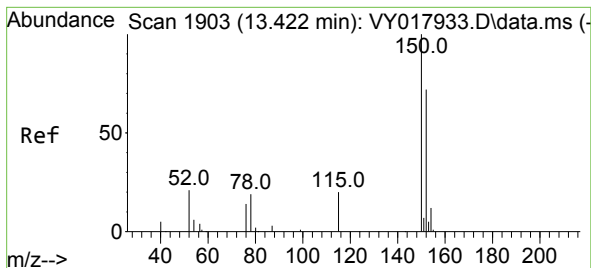
Tgt Ion: 95 Resp: 177146
Ion Ratio Lower Upper
95 100
174 88.0 0.0 175.6
176 85.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY018115.D
Acq: 02 May 2024 14:31

Tgt Ion: 117 Resp: 448128
Ion Ratio Lower Upper
117 100
82 50.0 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# 1903

Delta R.T. 0.000 min

Lab File: VY018115.D

Acq: 02 May 2024 14:31

Instrument :

MSVOA_Y

ClientSampleId :

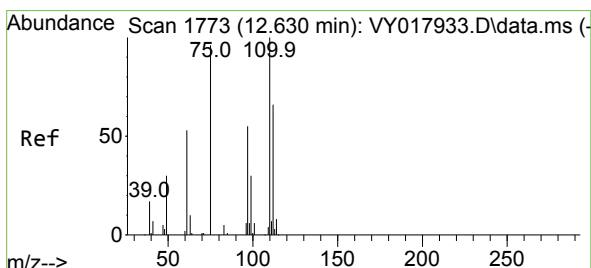
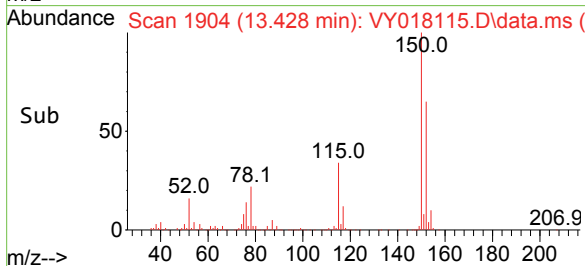
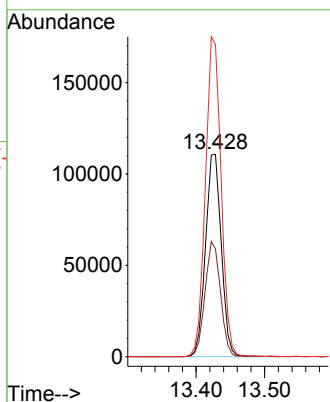
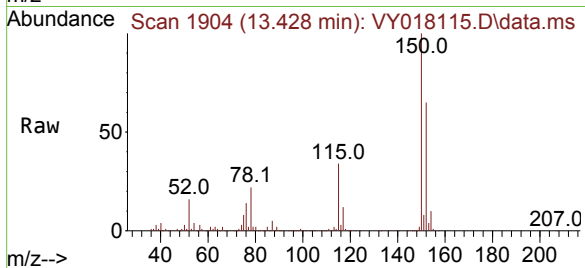
Tgt Ion:152 Resp: 177609

Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.7

150 157.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 58.521 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY018115.D

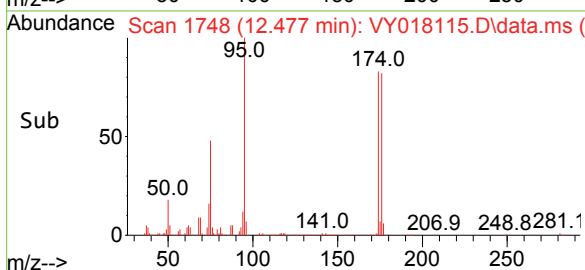
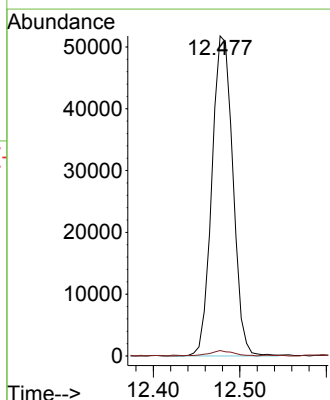
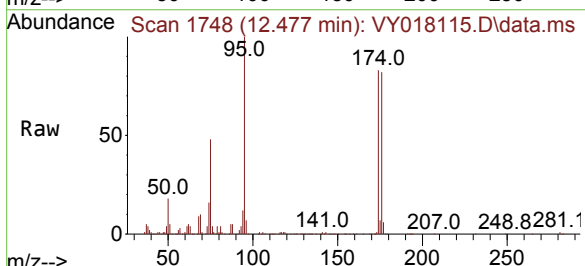
Acq: 02 May 2024 14:31

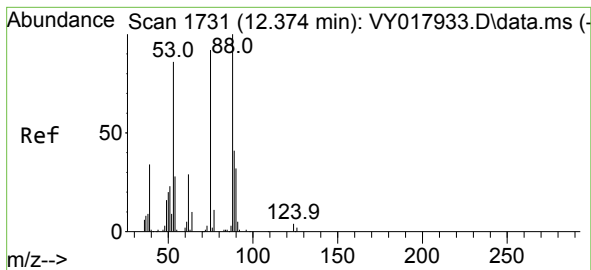
Tgt Ion: 75 Resp: 87231

Ion Ratio Lower Upper

75 100

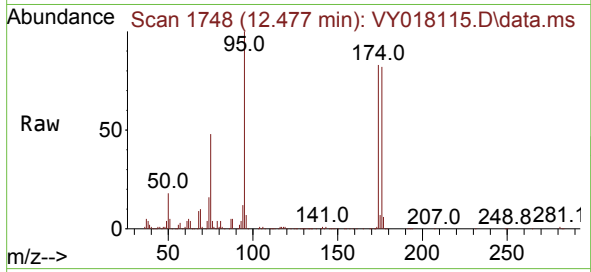
77 1.9 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 106.612 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY018115.D
Acq: 02 May 2024 14:31

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	66.8	100.2#
89	0.2	35.8	53.6#

