

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051424\
 Data File : VY018259.D
 Acq On : 14 May 2024 15:35
 Operator : SY/MD
 Sample : P2476-01
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-COMP

Quant Time: May 15 04:15:56 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)

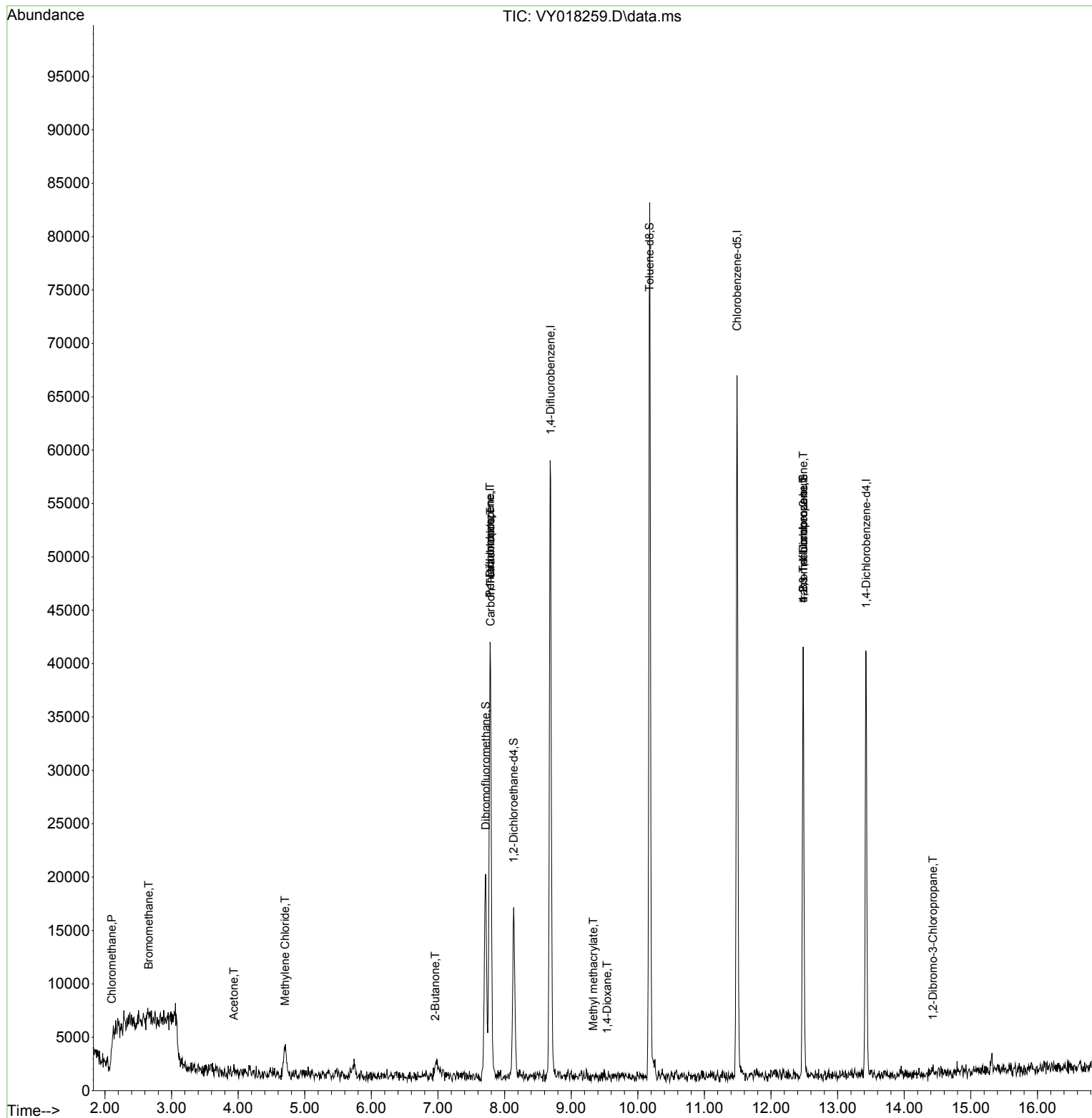
Internal Standards						
1) Pentafluorobenzene	7.783	168	31090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	50927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	36802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	10956	47.901	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.800%
35) Dibromofluoromethane	7.716	113	14049	52.491	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.980%
50) Toluene-d8	10.179	98	55609	52.725	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.460%
62) 4-Bromofluorobenzene	12.483	95	12544	36.829	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.101	50	407	1.233	ug/l	100
5) Bromomethane	2.656	94	397	1.429	ug/l #	62
11) Tert butyl alcohol	4.936	59	59	Below Cal	#	1
13) Acrolein	3.729	56	33	Below Cal	#	1
16) Acetone	3.936	43	879	19.258	ug/l #	84
20) Methylene Chloride	4.704	84	2150	6.664	ug/l #	84
25) 2-Butanone	6.960	43	98	1.343	ug/l #	41
31) Cyclohexane	7.783	56	832	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	2727	7.107	ug/l #	48
38) Carbon Tetrachloride	7.789	117	3111	7.421	ug/l #	13
48) Methyl methacrylate	9.331	41	315	2.076	ug/l #	11
49) 1,4-Dioxane	9.539	88	45	21.856	ug/l #	20
76) 1,2,3-Trichloropropane	12.483	75	6192	69.648	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6192	134.188	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.434	75	33	1.824	ug/l #	1

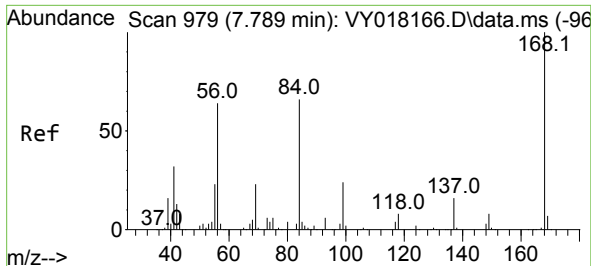
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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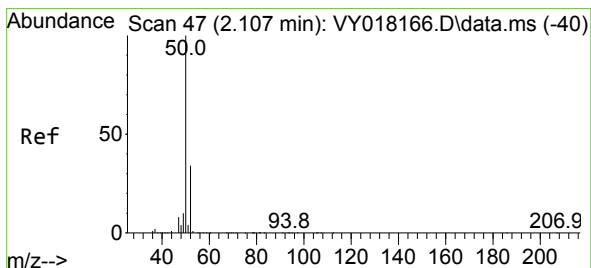
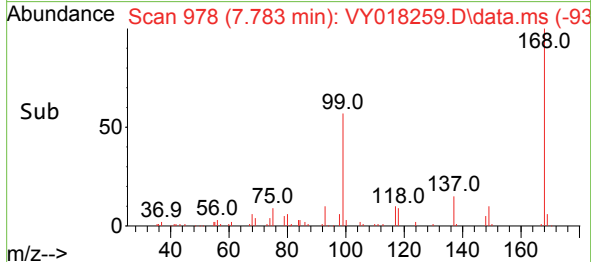
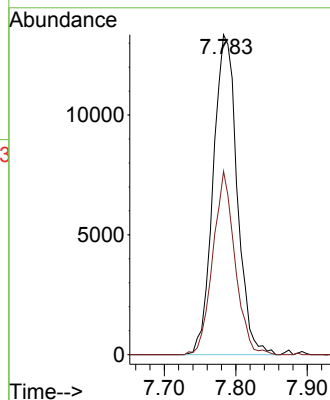
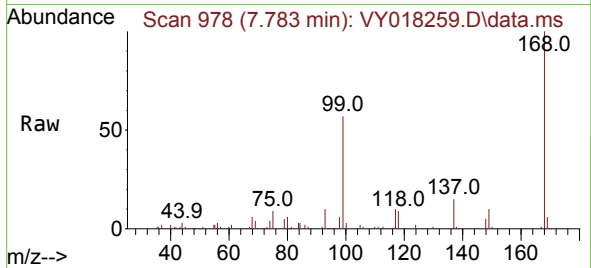




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018259.D
Acq: 14 May 2024 15:35

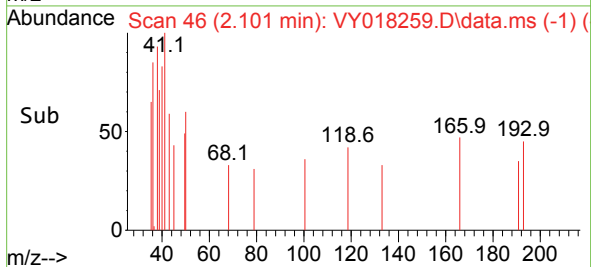
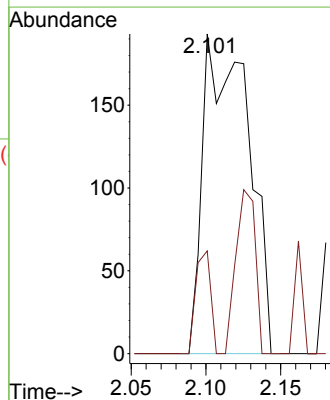
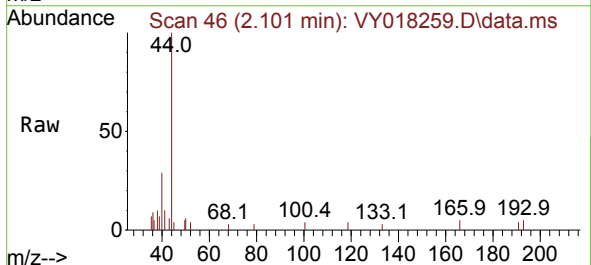
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-COMP

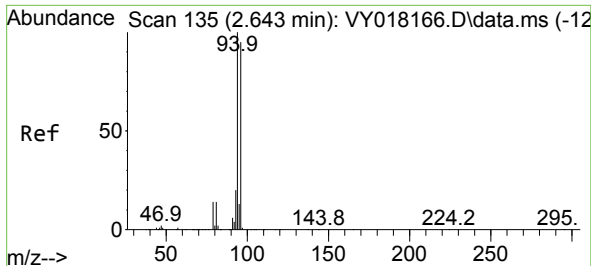
Tgt Ion:168 Resp: 31090
Ion Ratio Lower Upper
168 100
99 57.3 39.1 58.7



#3
Chloromethane
Concen: 1.233 ug/l
RT: 2.101 min Scan# 46
Delta R.T. -0.006 min
Lab File: VY018259.D
Acq: 14 May 2024 15:35

Tgt Ion: 50 Resp: 407
Ion Ratio Lower Upper
50 100
52 32.1 25.6 38.4

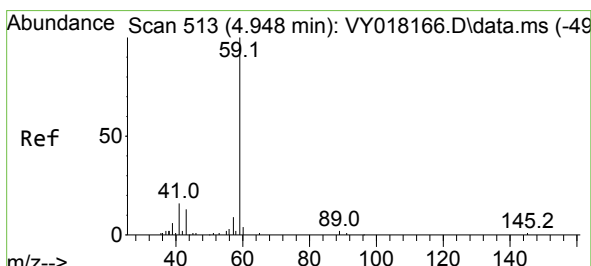
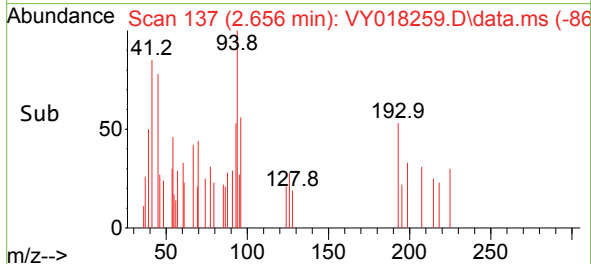
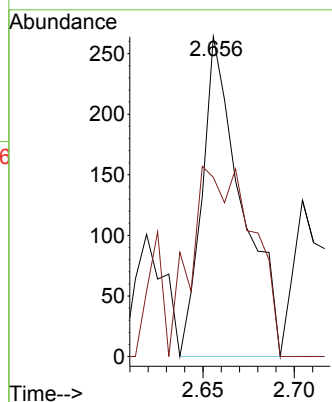
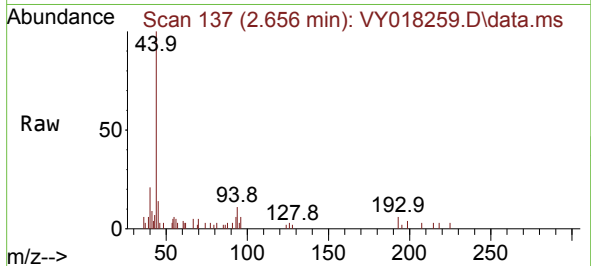




#5
Bromomethane
Concen: 1.429 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY018259.D
Acq: 14 May 2024 15:35

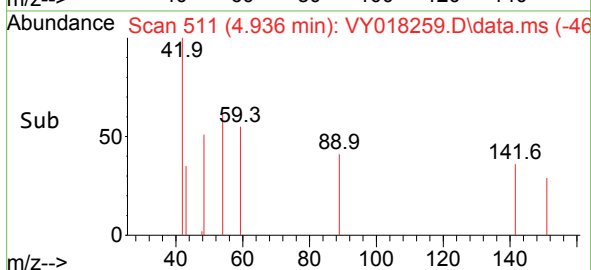
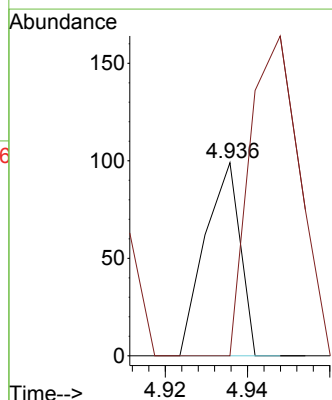
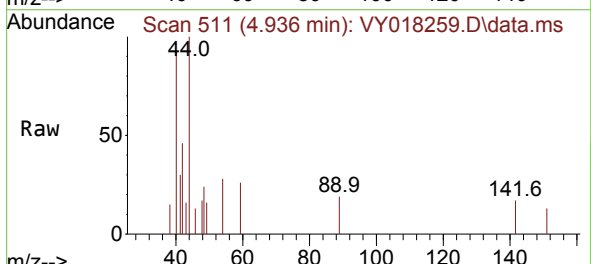
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-COMP

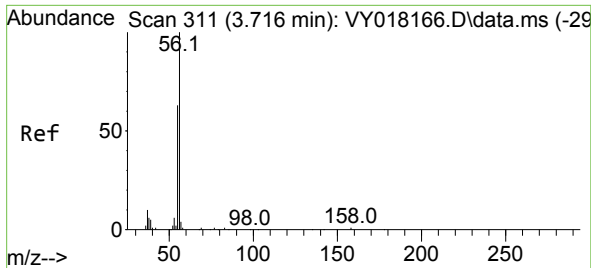
Tgt Ion: 94 Resp: 397
Ion Ratio Lower Upper
94 100
96 56.1 74.1 111.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY018259.D
Acq: 14 May 2024 15:35

Tgt Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 276.3 3.0 4.6#





#13

Acrolein

Concen: Below Cal

RT: 3.729 min Scan# 311

Delta R.T. 0.013 min

Lab File: VY018259.D

Acq: 14 May 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

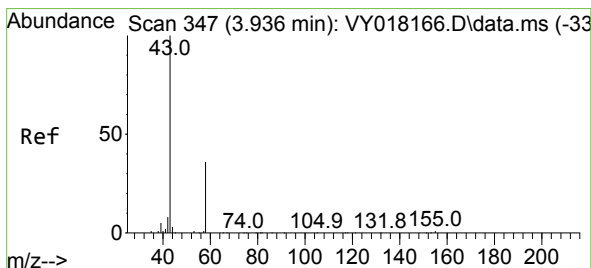
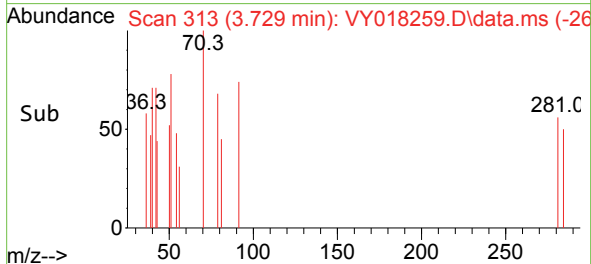
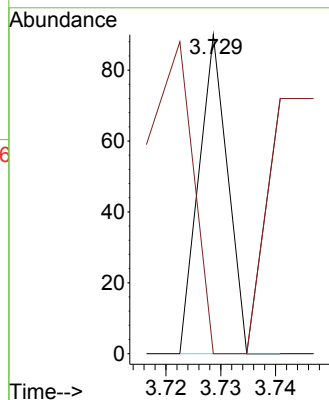
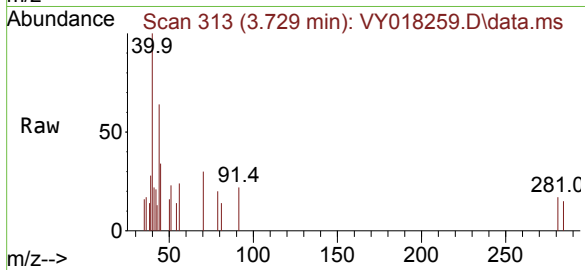
WC-1-COMP

Tgt Ion: 56 Resp: 33

Ion Ratio Lower Upper

56 100

55 163.6 55.7 83.5#



#16

Acetone

Concen: 19.258 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY018259.D

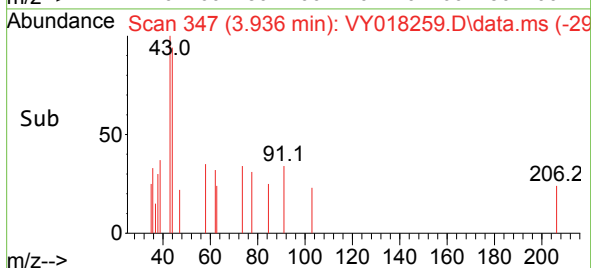
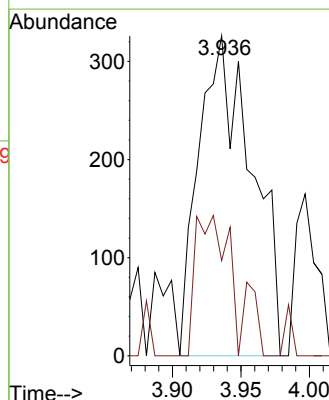
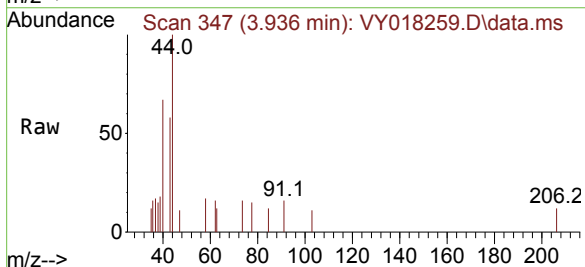
Acq: 14 May 2024 15:35

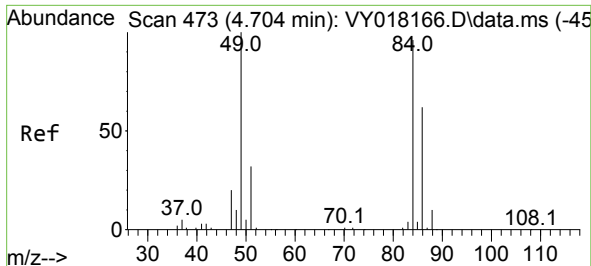
Tgt Ion: 43 Resp: 879

Ion Ratio Lower Upper

43 100

58 29.8 31.7 47.5#

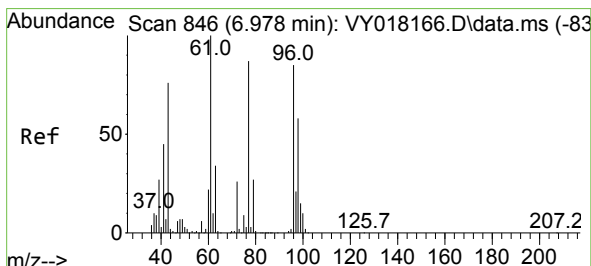
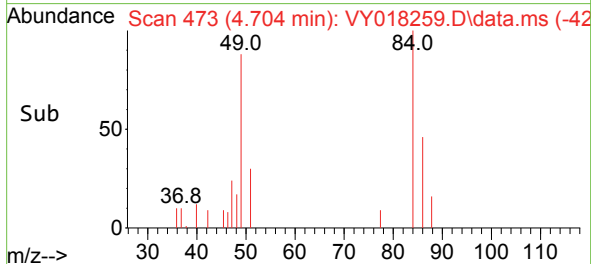
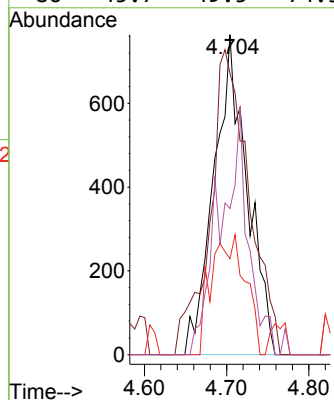
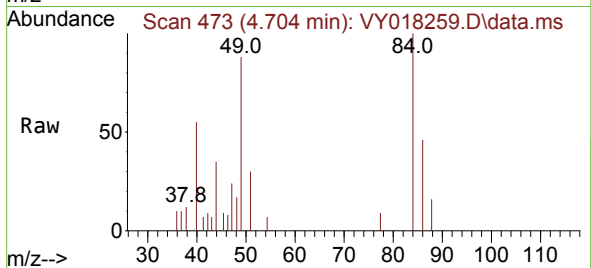




#20
Methylene Chloride
Concen: 6.664 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY018259.D
Acq: 14 May 2024 15:35

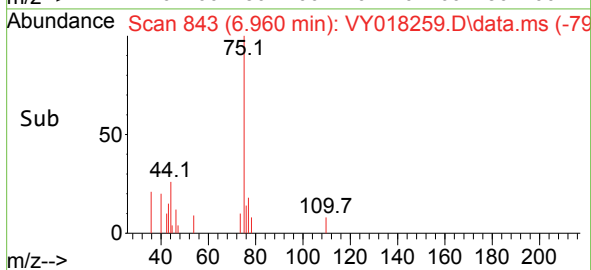
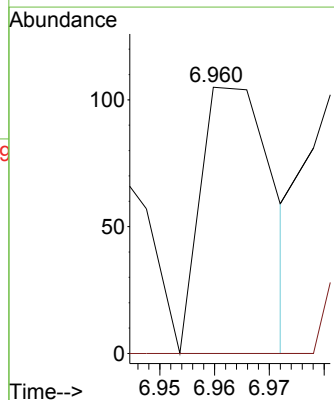
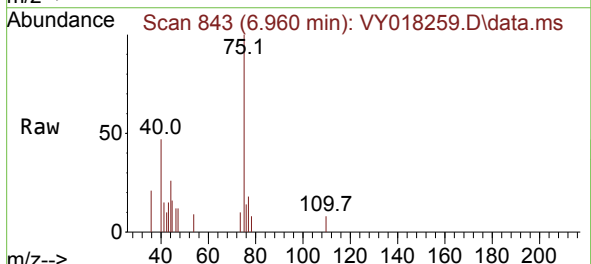
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-COMP

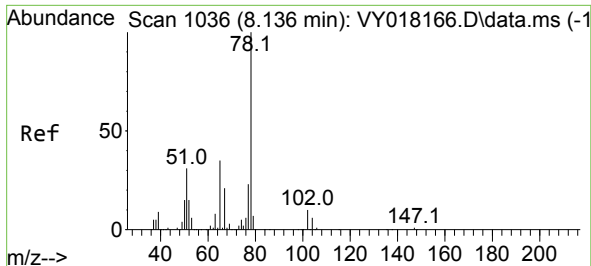
Tgt Ion:	84	Resp:	2150
Ion	Ratio	Lower	Upper
84	100		
49	88.0	84.4	126.6
51	30.0	26.0	39.0
86	45.7	49.5	74.3



#25
2-Butanone
Concen: 1.343 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.018 min
Lab File: VY018259.D
Acq: 14 May 2024 15:35

Tgt Ion:	43	Resp:	98
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9

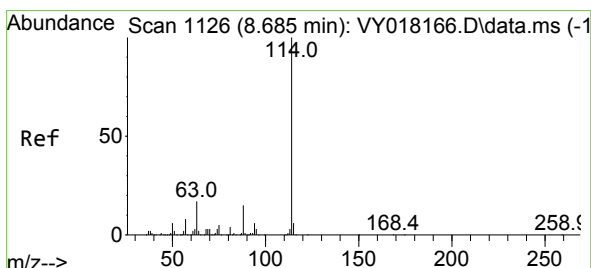
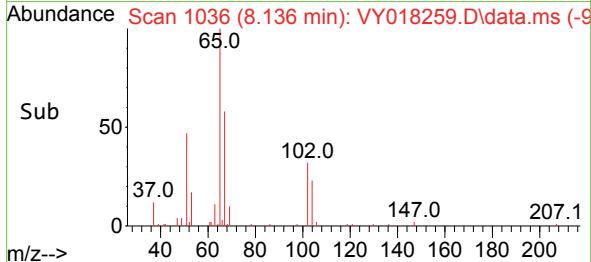
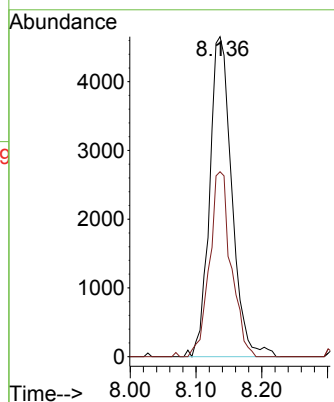
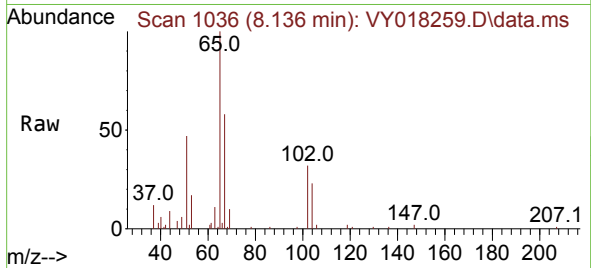




#33
 1,2-Dichloroethane-d4
 Concen: 47.901 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VY018259.D
 Acq: 14 May 2024 15:35

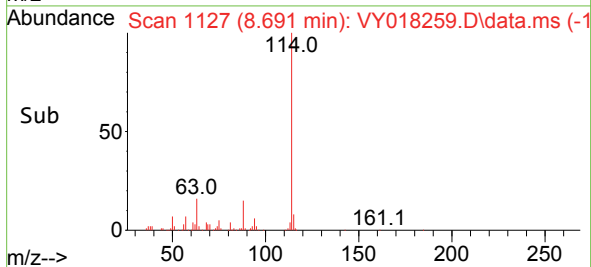
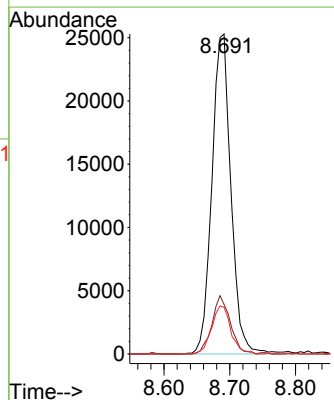
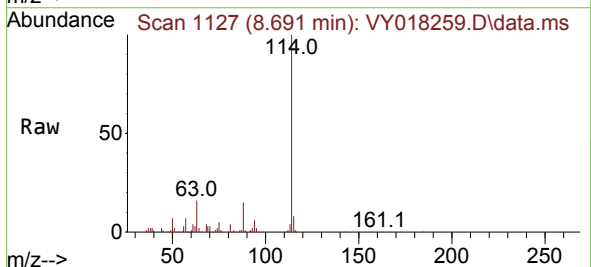
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-COMP

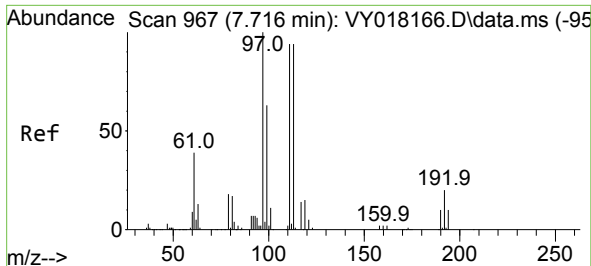
Tgt Ion: 65 Resp: 10956
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY018259.D
 Acq: 14 May 2024 15:35

Tgt Ion: 114 Resp: 50927
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 35.0
 88 14.6 0.0 27.2

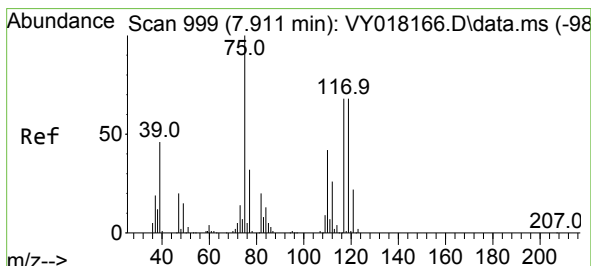
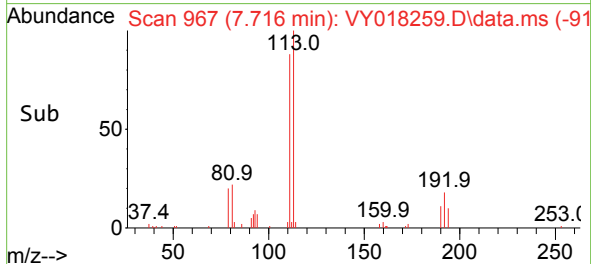
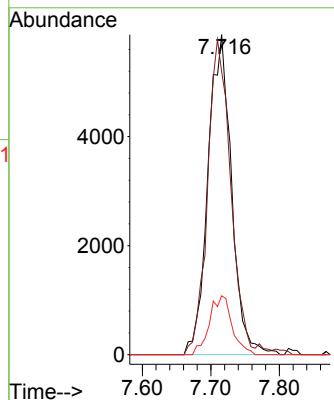
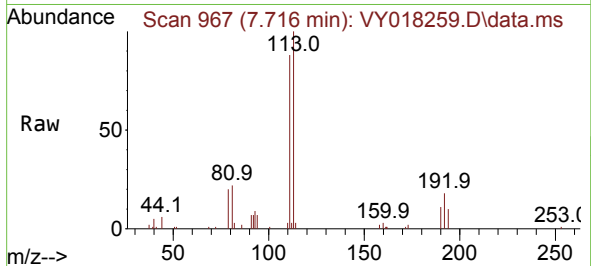




#35
Dibromofluoromethane
Concen: 52.491 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY018259.D
Acq: 14 May 2024 15:35

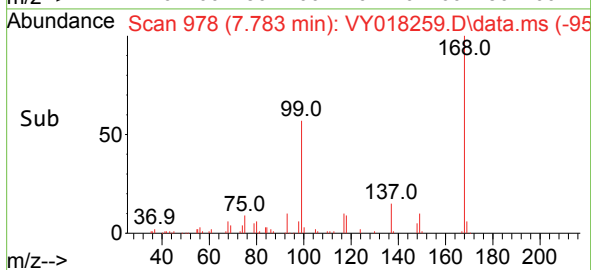
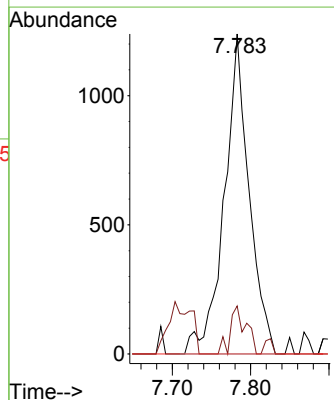
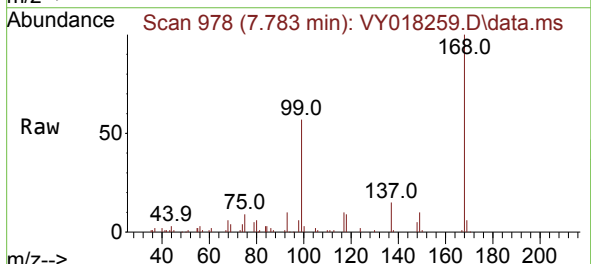
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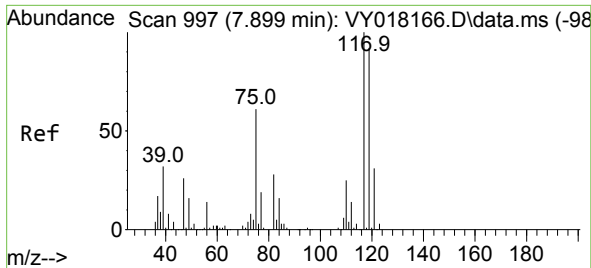
Tgt Ion:113 Resp: 14049
Ion Ratio Lower Upper
113 100
111 96.3 82.2 123.4
192 17.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 7.107 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY018259.D
Acq: 14 May 2024 15:35

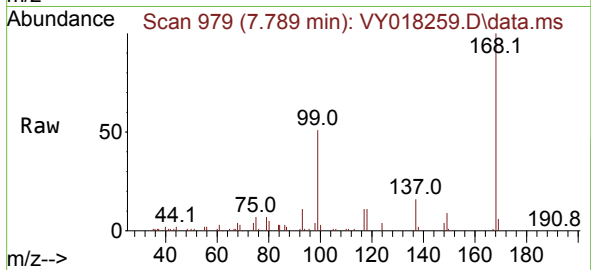
Tgt Ion: 75 Resp: 2727
Ion Ratio Lower Upper
75 100
110 9.5 19.0 57.0#
77 0.0 25.3 37.9#



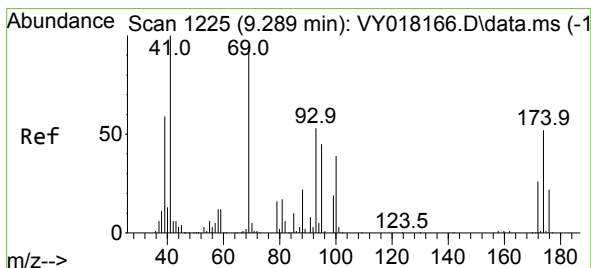
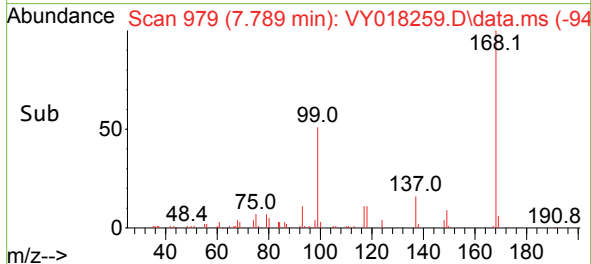
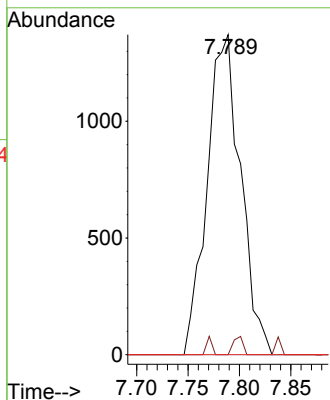


#38
Carbon Tetrachloride
Concen: 7.421 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018259.D
Acq: 14 May 2024 15:35

Instrument :
MSVOA_Y
ClientSampleId :
WC-1-COMP

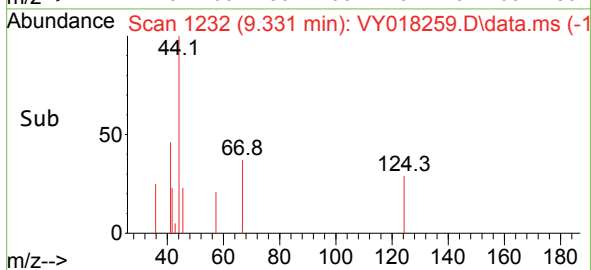
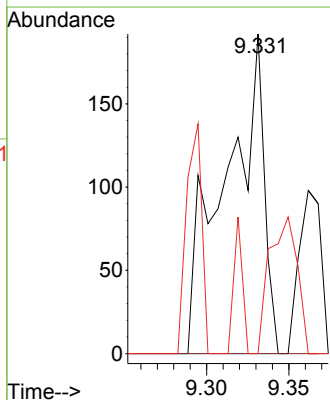
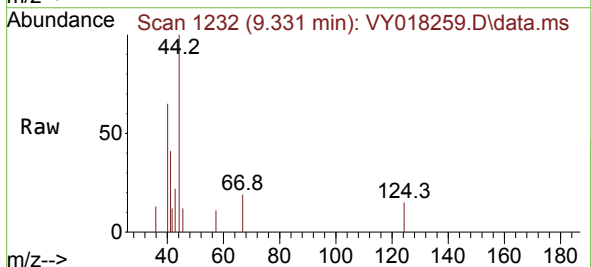


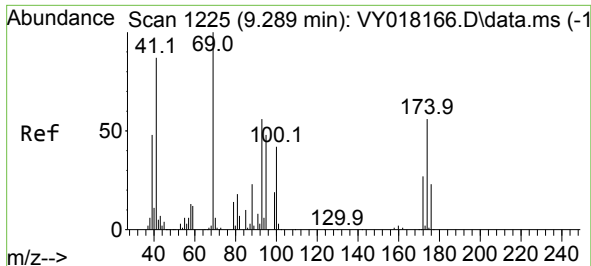
Tgt Ion:117 Resp: 3111
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#48
Methyl methacrylate
Concen: 2.076 ug/l
RT: 9.331 min Scan# 1232
Delta R.T. 0.043 min
Lab File: VY018259.D
Acq: 14 May 2024 15:35

Tgt Ion: 41 Resp: 315
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 9.5 43.6 65.4#





#49

1,4-Dioxane

Concen: 21.856 ug/l

RT: 9.539 min Scan# 1266

Delta R.T. 0.250 min

Lab File: VY018259.D

Acq: 14 May 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-COMP

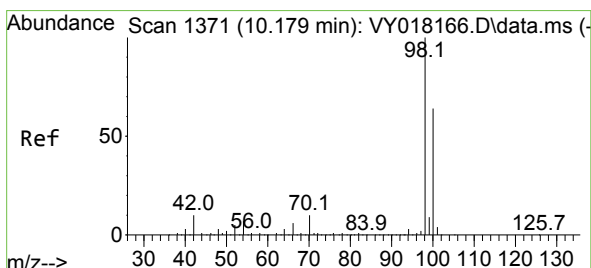
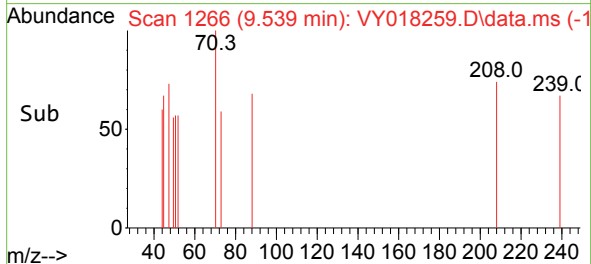
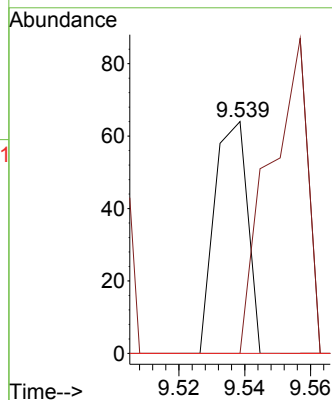
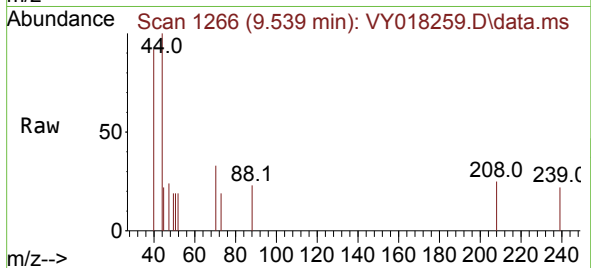
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 155.6 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 52.725 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018259.D

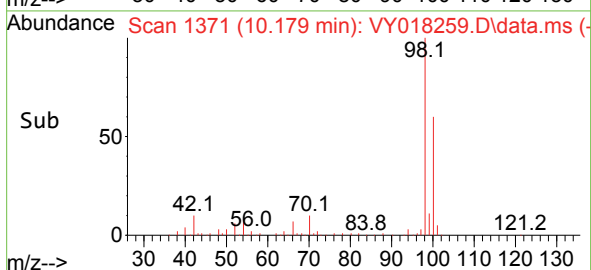
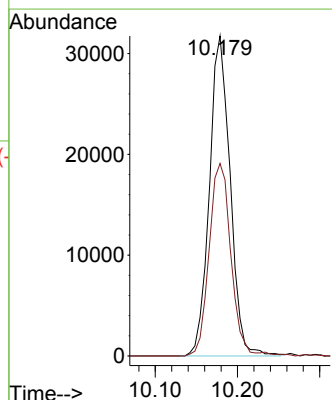
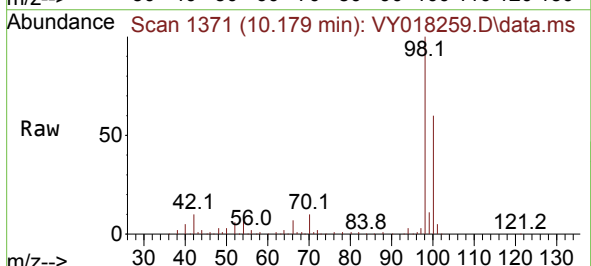
Acq: 14 May 2024 15:35

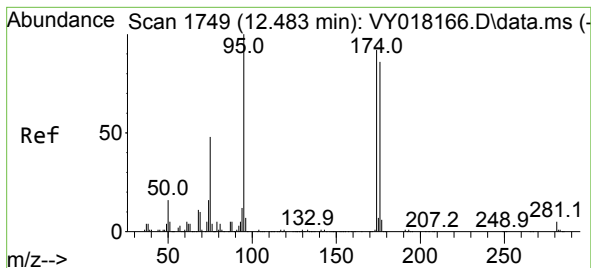
Tgt Ion: 98 Resp: 55609

Ion Ratio Lower Upper

98 100

100 63.3 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 36.829 ug/l

RT: 12.483 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018259.D

Acq: 14 May 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-COMP

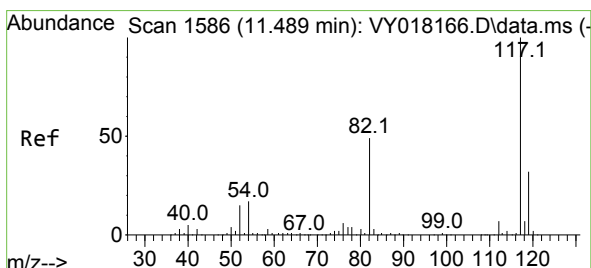
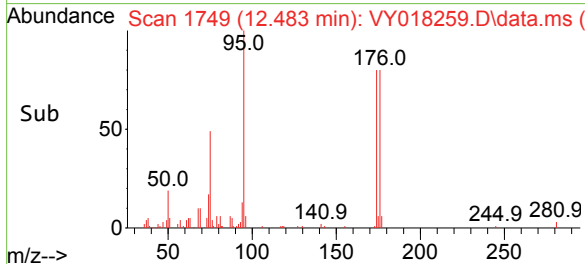
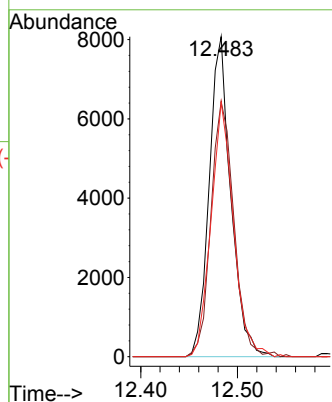
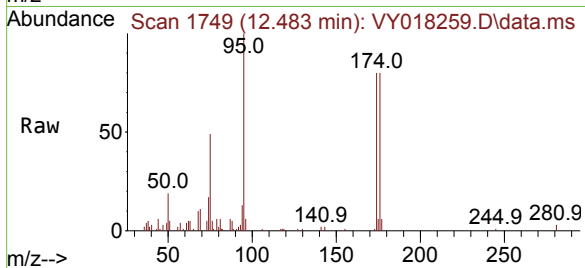
Tgt Ion: 95 Resp: 12544

Ion Ratio Lower Upper

95 100

174 84.9 0.0 175.6

176 82.7 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY018259.D

Acq: 14 May 2024 15:35

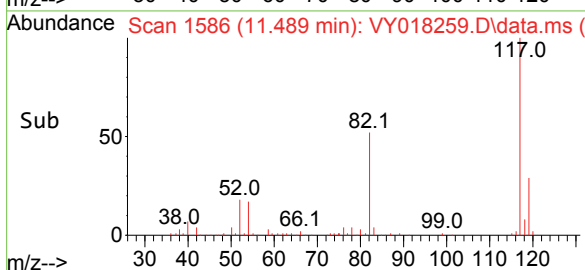
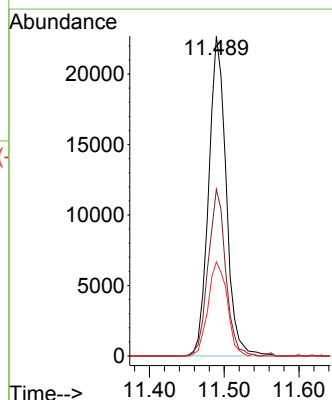
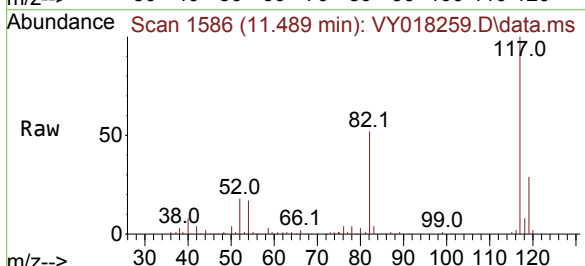
Tgt Ion: 117 Resp: 36802

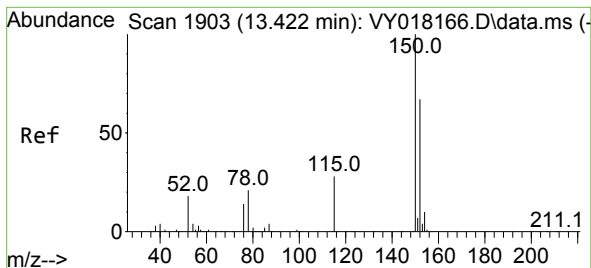
Ion Ratio Lower Upper

117 100

82 52.1 42.4 63.6

119 29.4 25.9 38.9

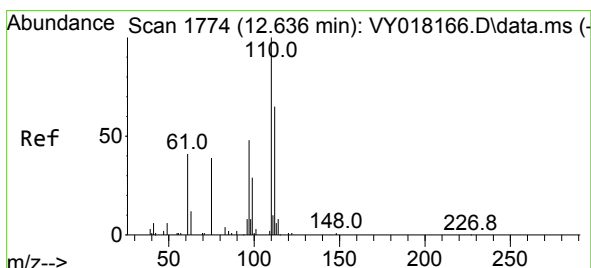
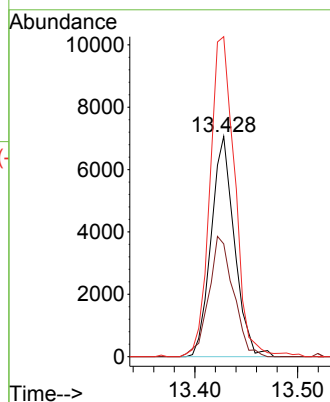
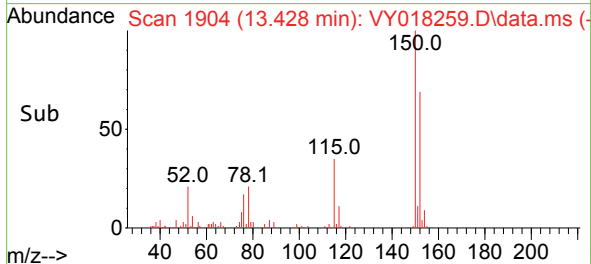
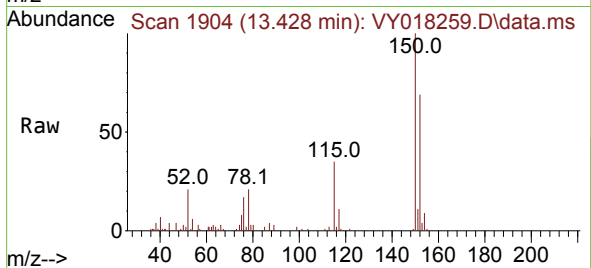




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY018259.D
 Acq: 14 May 2024 15:35

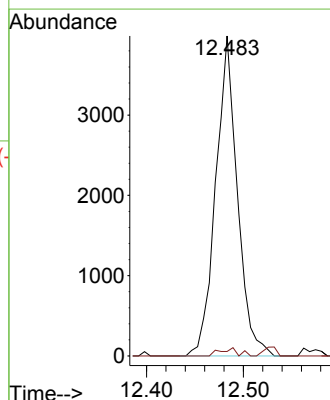
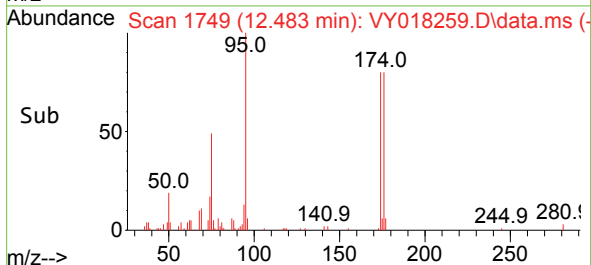
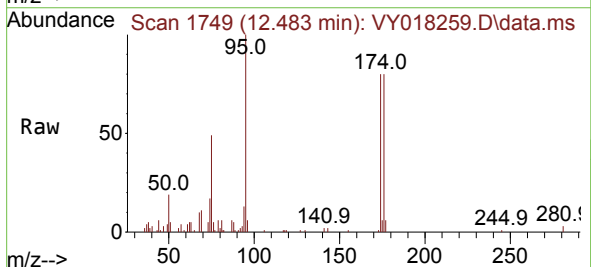
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-COMP

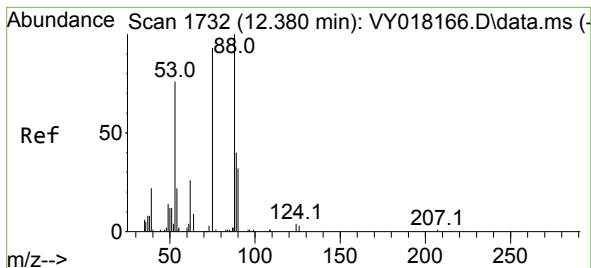
Tgt Ion:152 Resp: 11107
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.2 84.7
 150 155.5 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 69.648 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY018259.D
 Acq: 14 May 2024 15:35

Tgt Ion: 75 Resp: 6192
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#

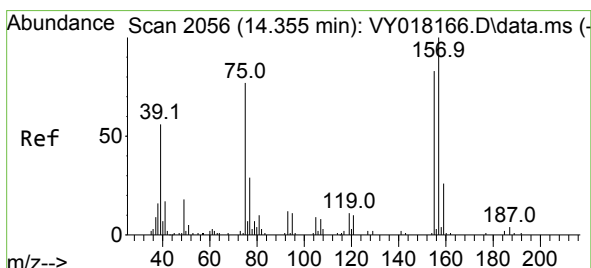
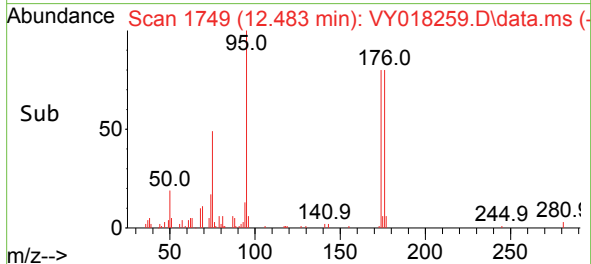
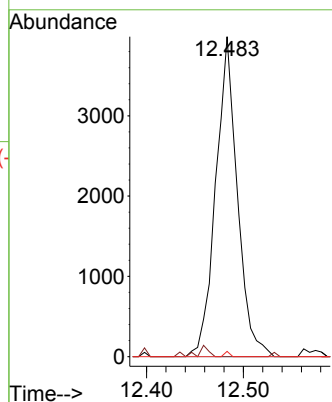
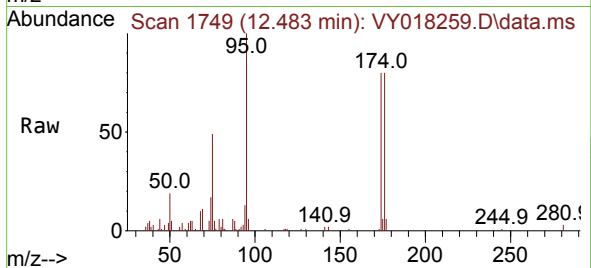




#81
trans-1,4-Dichloro-2-butene
Concen: 134.188 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY018259.D
Acq: 14 May 2024 15:35

Instrument :
MSVOA_Y
ClientSampleId :
WC-1-COMP

Tgt Ion: 75 Resp: 6192
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.4 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.824 ug/l
RT: 14.434 min Scan# 2069
Delta R.T. 0.079 min
Lab File: VY018259.D
Acq: 14 May 2024 15:35

Tgt Ion: 75 Resp: 33
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#

