

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052324\
 Data File : VY018358.D
 Acq On : 23 May 2024 13:40
 Operator : SY/MD
 Sample : P2578-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 24 01:16:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052224S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 23 01:40:36 2024
 Response via : Initial Calibration

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

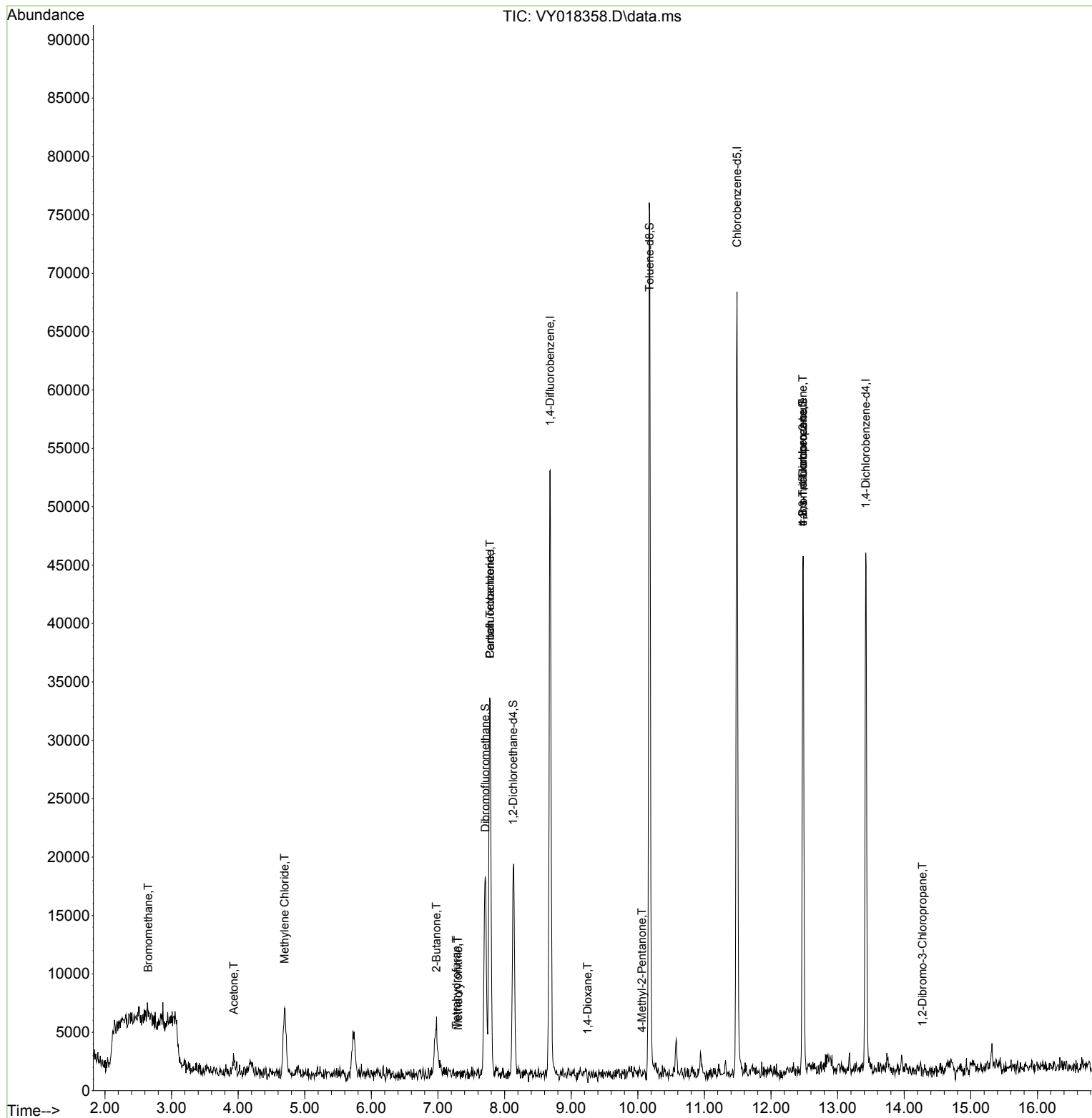
Internal Standards						
1) Pentafluorobenzene	7.783	168	23907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	44567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	36542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	11419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	13553	59.837	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.680%	
35) Dibromofluoromethane	7.710	113	13070	50.290	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.580%	
50) Toluene-d8	10.179	98	50264	49.606	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.220%	
62) 4-Bromofluorobenzene	12.477	95	12888	41.163	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.650	94	724	2.730	ug/l #	66
11) Tert butyl alcohol	4.936	59	284	Below Cal	#	88
13) Acrolein	3.710	56	71	Below Cal		94
16) Acetone	3.936	43	1974	42.374	ug/l	89
20) Methylene Chloride	4.698	84	3863	10.586	ug/l #	85
25) 2-Butanone	6.978	43	249	3.373	ug/l #	41
29) Tetrahydrofuran	7.277	42	122	2.511	ug/l #	26
31) Cyclohexane	7.777	56	886	Below Cal	#	48
38) Carbon Tetrachloride	7.783	117	2727	7.064	ug/l #	21
41) Methacrylonitrile	7.301	41	139	1.544	ug/l #	18
49) 1,4-Dioxane	9.246	88	57	28.972	ug/l #	20
51) 4-Methyl-2-Pentanone	10.063	43	226	1.273	ug/l #	75
76) 1,2,3-Trichloropropane	12.477	75	6947	67.689	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	6947	139.270	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.276	75	24	1.144	ug/l #	1

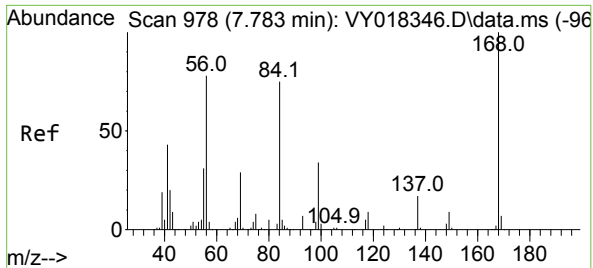
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052224S.M
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QLast Update : Thu May 23 01:40:36 2024
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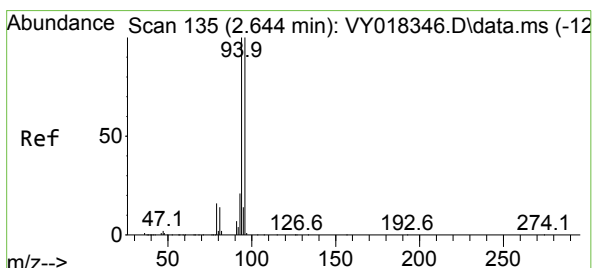
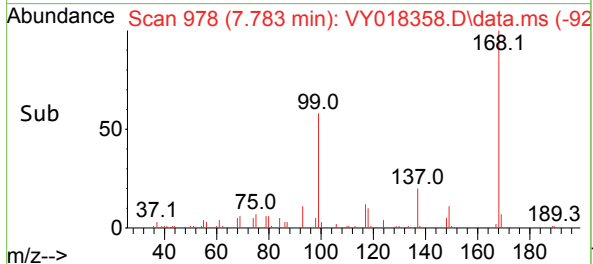
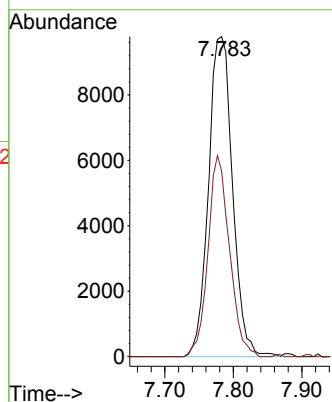
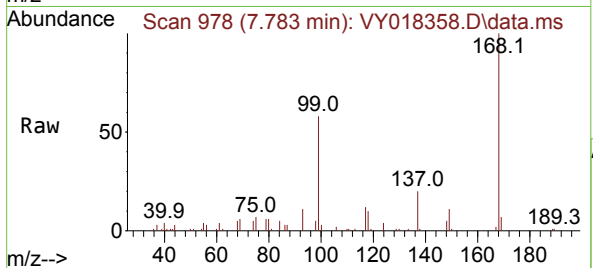




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018358.D
Acq: 23 May 2024 13:40

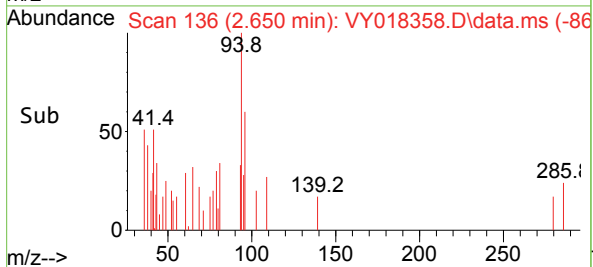
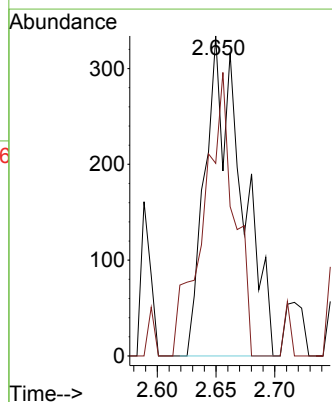
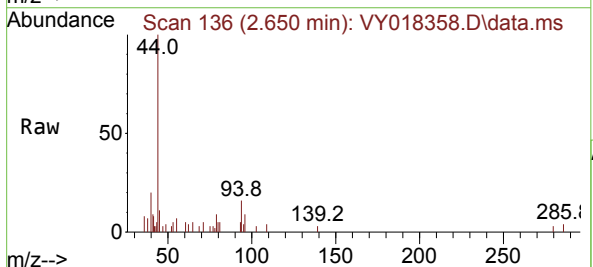
Instrument :
MSVOA_Y
ClientSampleId :

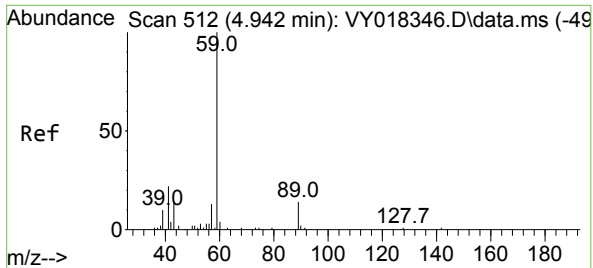
Tgt Ion:168 Resp: 23907
Ion Ratio Lower Upper
168 100
99 57.9 39.1 58.7



#5
Bromomethane
Concen: 2.730 ug/l
RT: 2.650 min Scan# 136
Delta R.T. 0.006 min
Lab File: VY018358.D
Acq: 23 May 2024 13:40

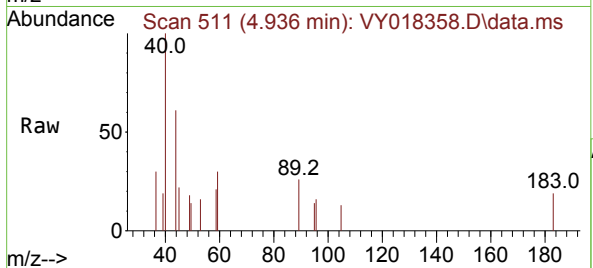
Tgt Ion: 94 Resp: 724
Ion Ratio Lower Upper
94 100
96 60.2 74.1 111.1#



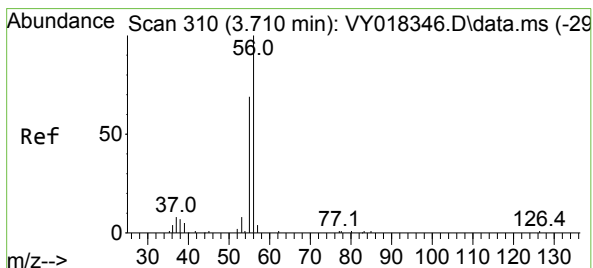
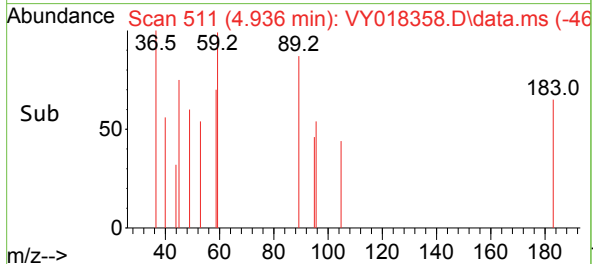
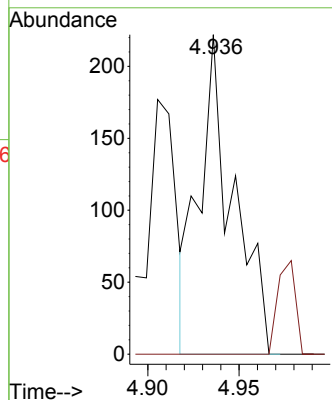


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY018358.D
Acq: 23 May 2024 13:40

Instrument :
MSVOA_Y
ClientSampleId :

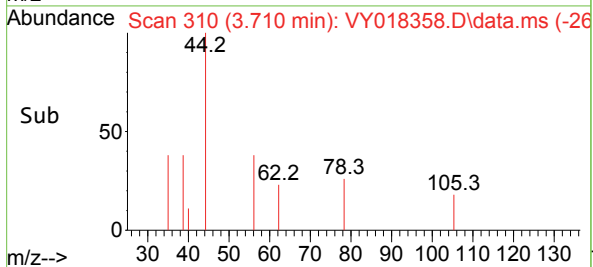
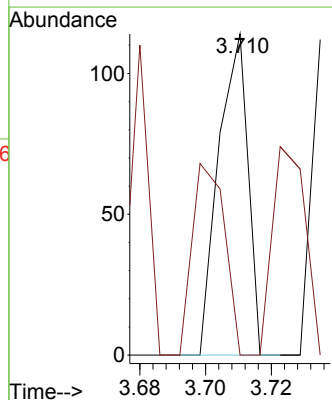
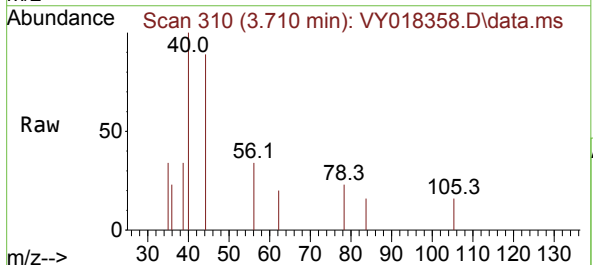


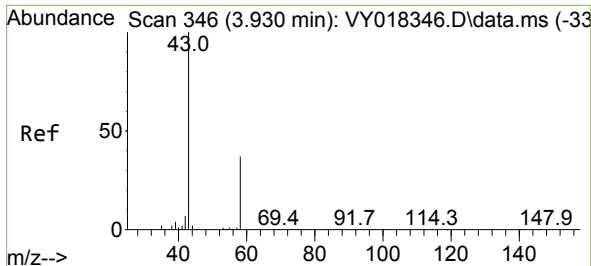
Tgt Ion: 59 Resp: 284
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.710 min Scan# 310
Delta R.T. 0.000 min
Lab File: VY018358.D
Acq: 23 May 2024 13:40

Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 64.8 55.7 83.5





#16

Acetone

Concen: 42.374 ug/l

RT: 3.936 min Scan# 346

Delta R.T. 0.006 min

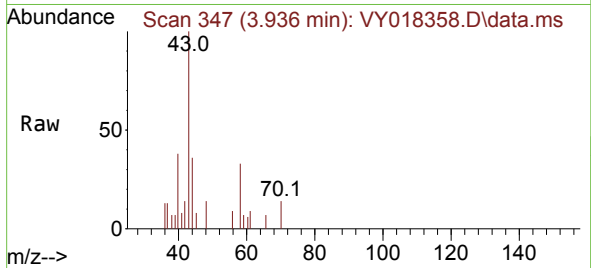
Lab File: VY018358.D

Acq: 23 May 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

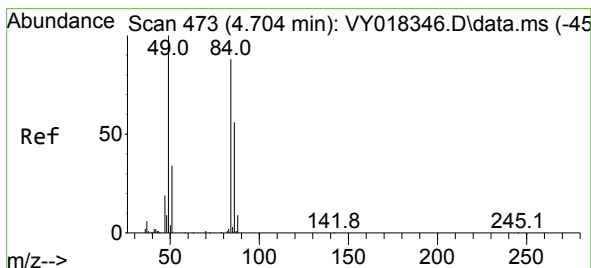
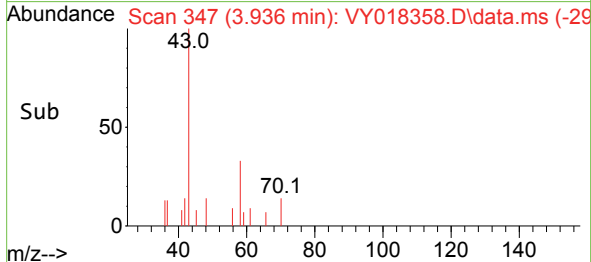
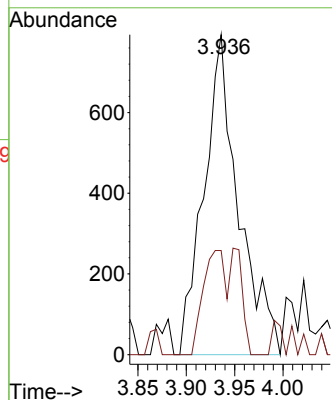


Tgt Ion: 43 Resp: 1974

Ion Ratio Lower Upper

43 100

58 32.5 31.7 47.5



#20

Methylene Chloride

Concen: 10.586 ug/l

RT: 4.698 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY018358.D

Acq: 23 May 2024 13:40

Tgt Ion: 84 Resp: 3863

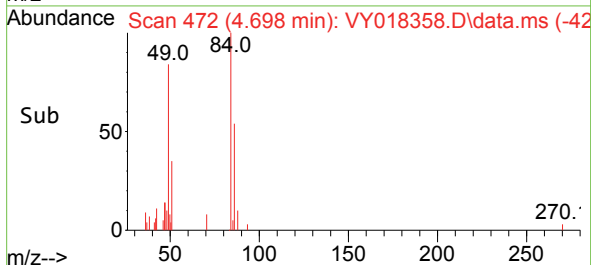
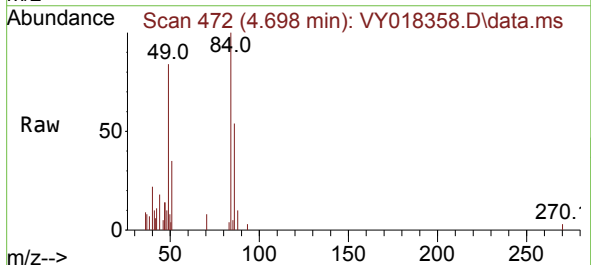
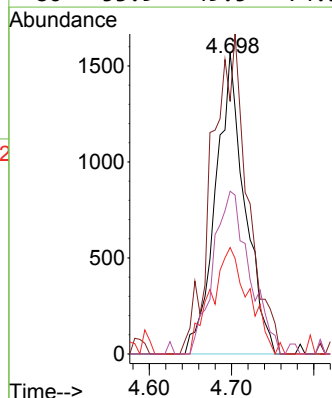
Ion Ratio Lower Upper

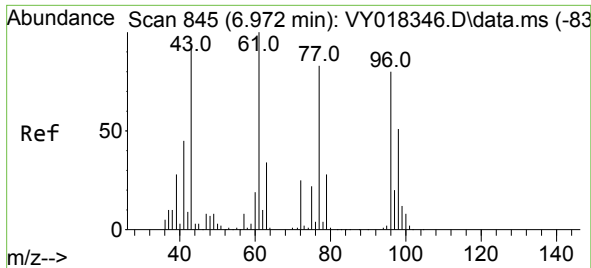
84 100

49 83.7 84.4 126.6#

51 35.2 26.0 39.0

86 53.9 49.5 74.3

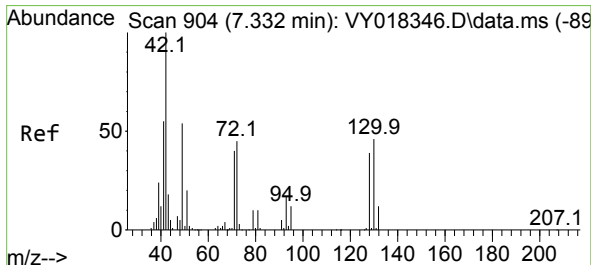
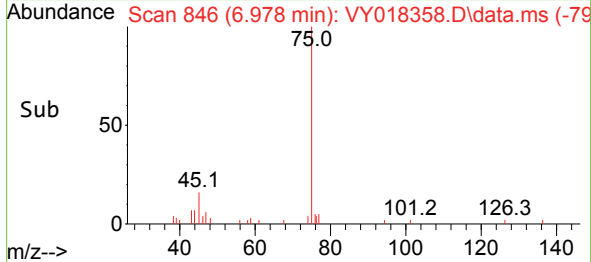
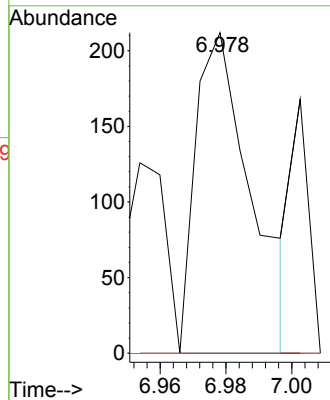
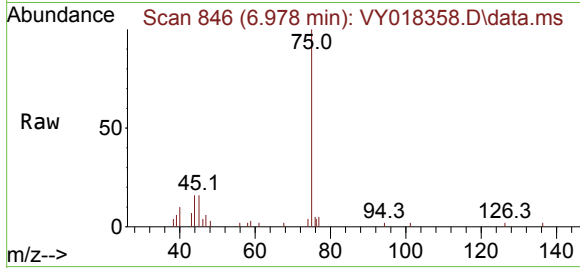




#25
2-Butanone
Concen: 3.373 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY018358.D
Acq: 23 May 2024 13:40

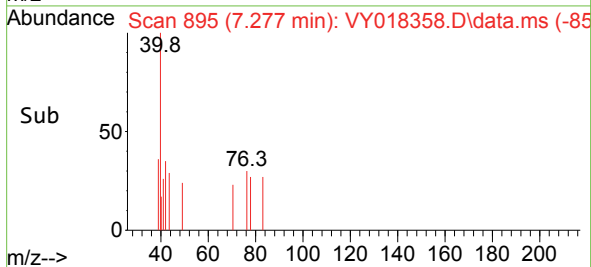
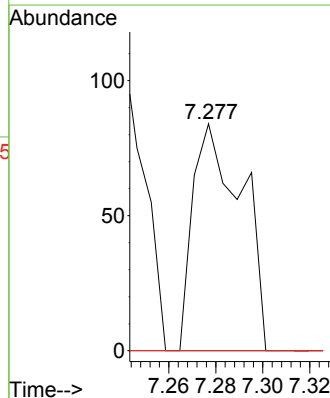
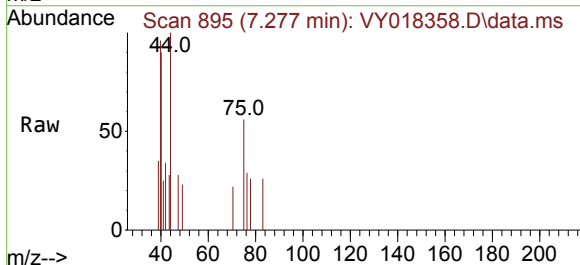
Instrument :
MSVOA_Y
ClientSampleId :

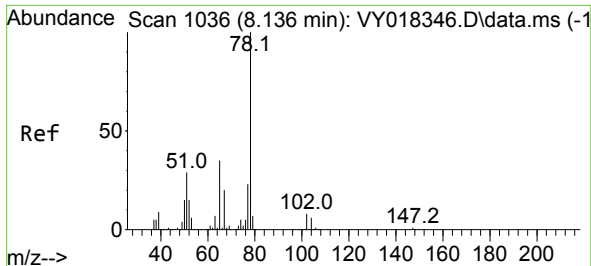
Tgt Ion: 43 Resp: 249
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#29
Tetrahydrofuran
Concen: 2.511 ug/l
RT: 7.277 min Scan# 895
Delta R.T. -0.055 min
Lab File: VY018358.D
Acq: 23 May 2024 13:40

Tgt Ion: 42 Resp: 122
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 0.0 40.8 61.2#





#33

1,2-Dichloroethane-d4

Concen: 59.837 ug/l

RT: 8.130 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY018358.D

Acq: 23 May 2024 13:40

Instrument :

MSVOA_Y

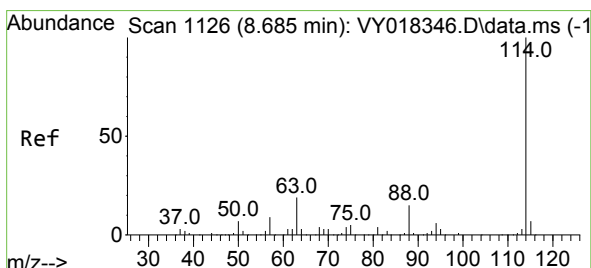
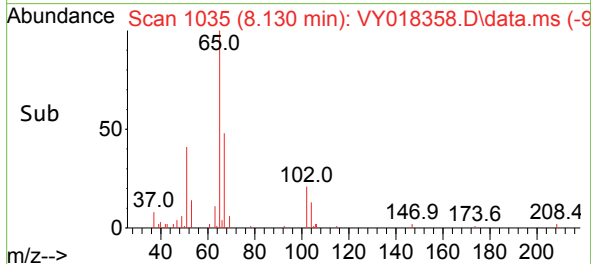
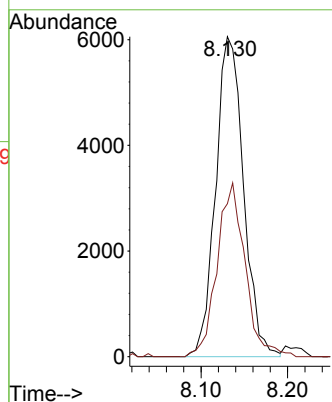
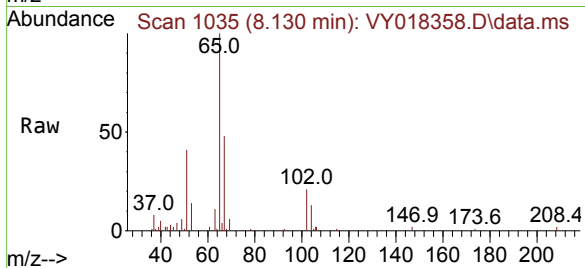
ClientSampleId :

Tgt Ion: 65 Resp: 13553

Ion Ratio Lower Upper

65 100

67 54.6 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: VY018358.D

Acq: 23 May 2024 13:40

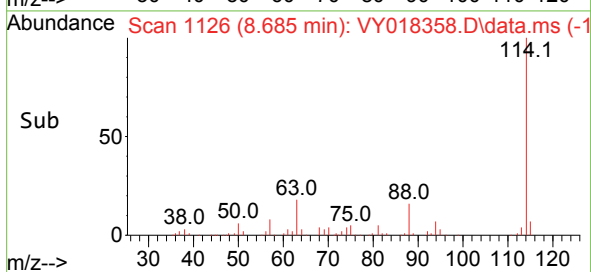
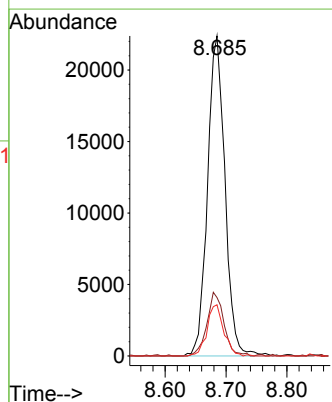
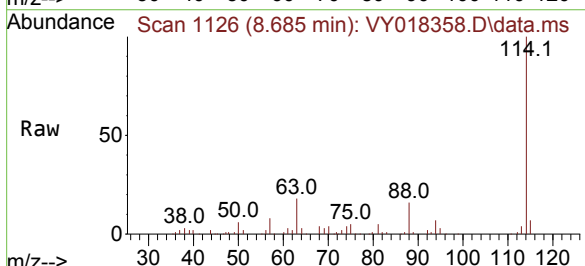
Tgt Ion:114 Resp: 44567

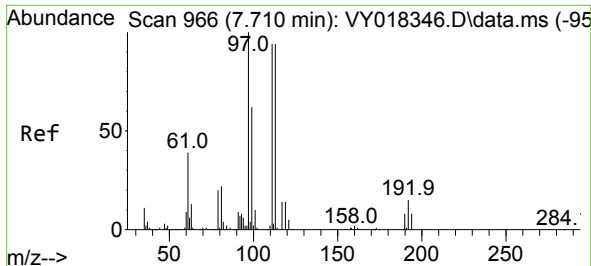
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 16.0 0.0 27.2

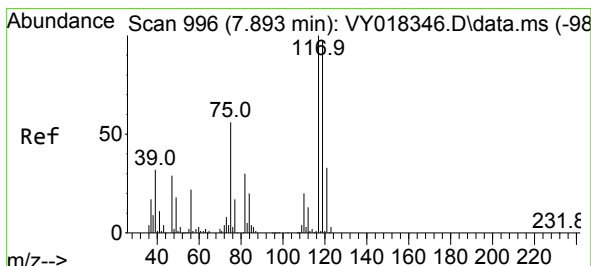
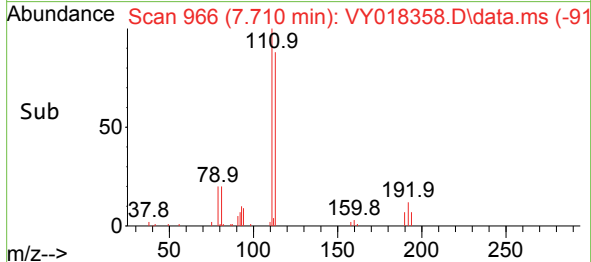
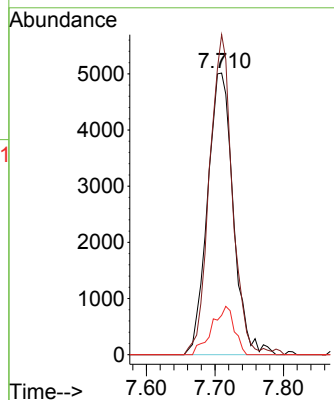
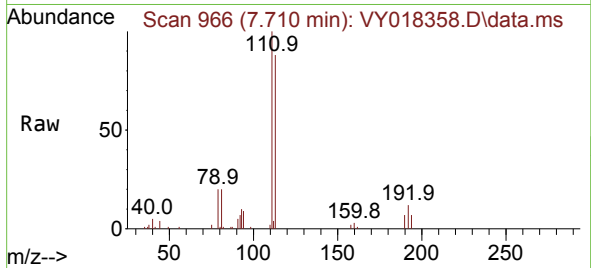




#35
Dibromofluoromethane
Concen: 50.290 ug/l
RT: 7.710 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY018358.D
Acq: 23 May 2024 13:40

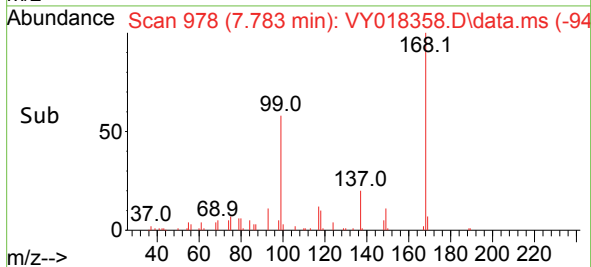
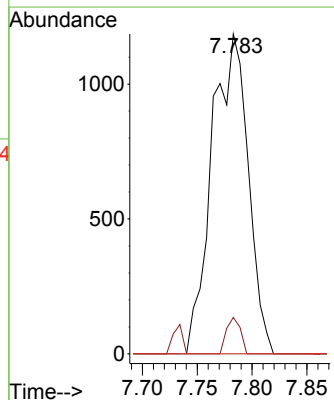
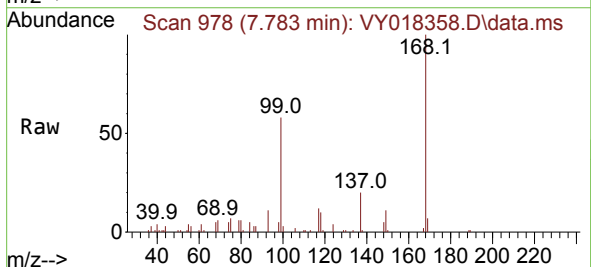
Instrument :
MSVOA_Y
ClientSampleId :

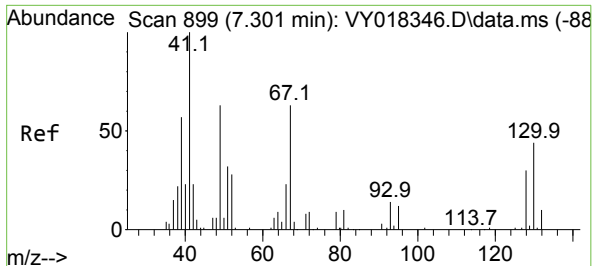
Tgt Ion:113 Resp: 13070
Ion Ratio Lower Upper
113 100
111 100.2 82.2 123.4
192 14.9 15.9 23.9#



#38
Carbon Tetrachloride
Concen: 7.064 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY018358.D
Acq: 23 May 2024 13:40

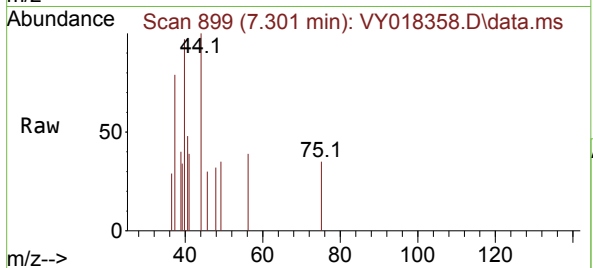
Tgt Ion:117 Resp: 2727
Ion Ratio Lower Upper
117 100
119 11.4 75.8 113.6#
121 0.0 24.0 36.0#



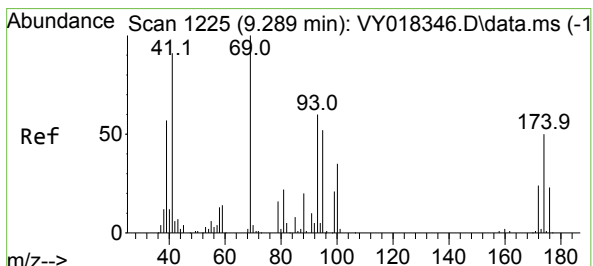
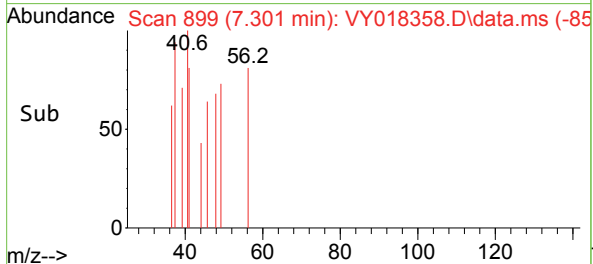
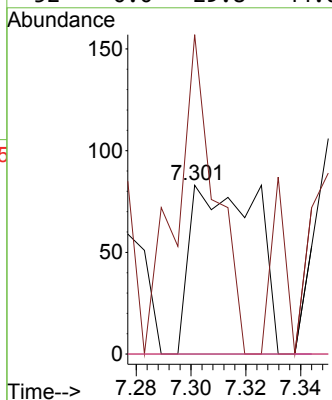


#41
Methacrylonitrile
Concen: 1.544 ug/l
RT: 7.301 min Scan# 899
Delta R.T. 0.000 min
Lab File: VY018358.D
Acq: 23 May 2024 13:40

Instrument :
MSVOA_Y
ClientSampleId :

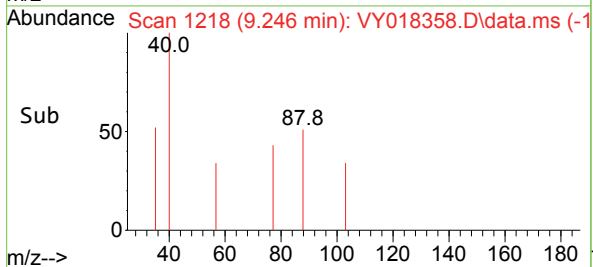
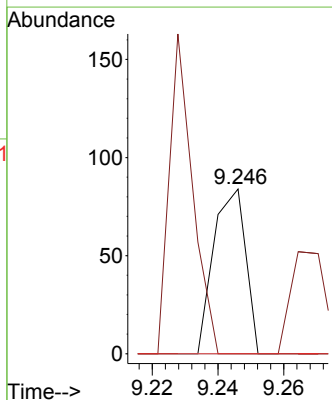
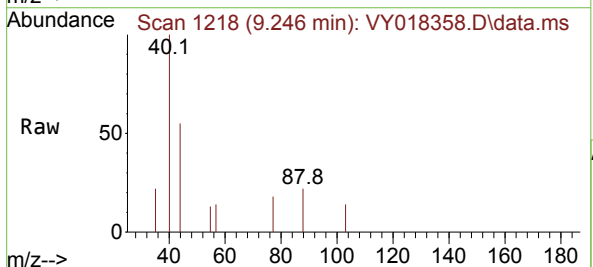


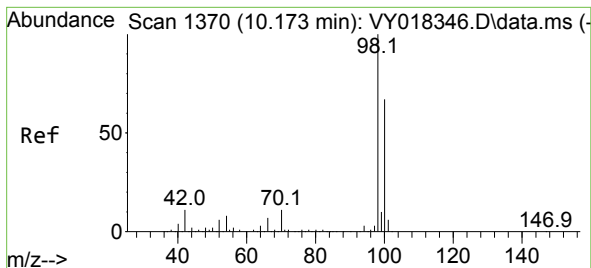
Tgt Ion:	41	Resp:	139
Ion	Ratio	Lower	Upper
41	100		
39	112.9	48.0	72.0#
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#



#49
1,4-Dioxane
Concen: 28.972 ug/l
RT: 9.246 min Scan# 1218
Delta R.T. -0.043 min
Lab File: VY018358.D
Acq: 23 May 2024 13:40

Tgt Ion:	88	Resp:	57
Ion	Ratio	Lower	Upper
88	100		
43	66.7	0.0	0.0#
58	0.0	49.3	73.9#





#50

Toluene-d8

Concen: 49.606 ug/l

RT: 10.179 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VY018358.D

Acq: 23 May 2024 13:40

Instrument :

MSVOA_Y

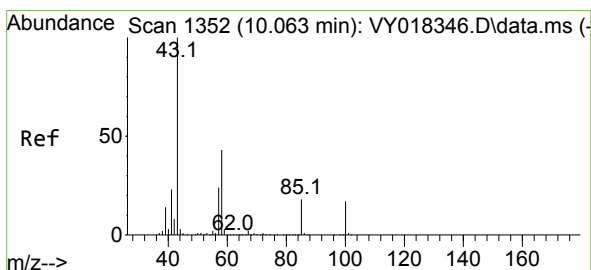
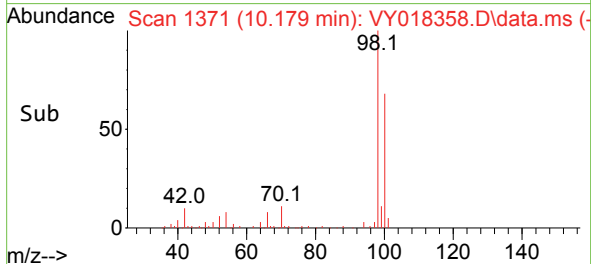
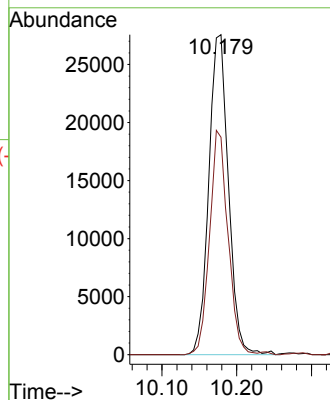
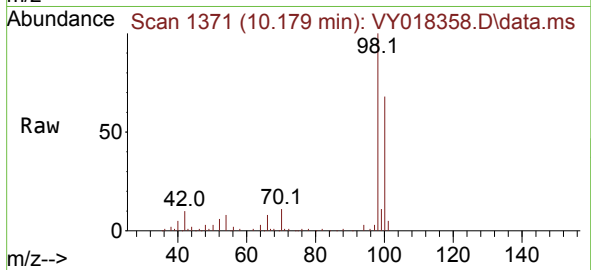
ClientSampleId :

Tgt Ion: 98 Resp: 50264

Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.273 ug/l

RT: 10.063 min Scan# 1352

Delta R.T. 0.000 min

Lab File: VY018358.D

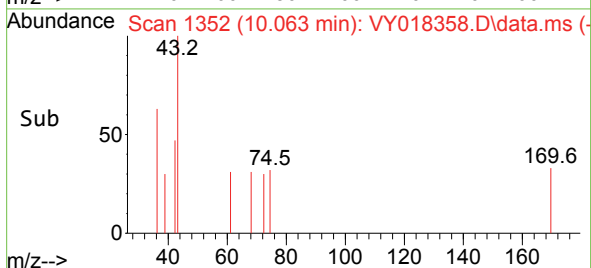
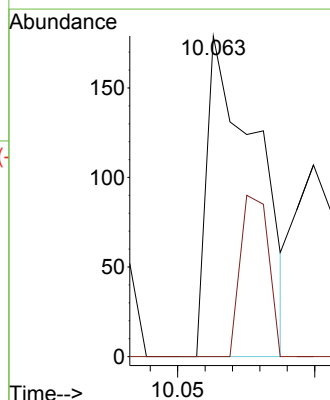
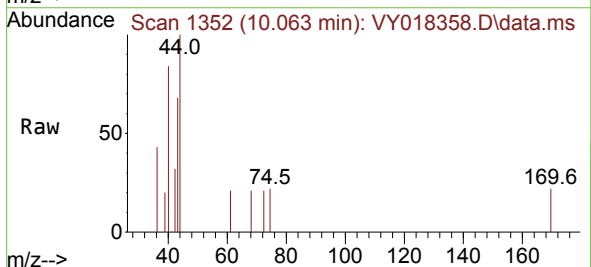
Acq: 23 May 2024 13:40

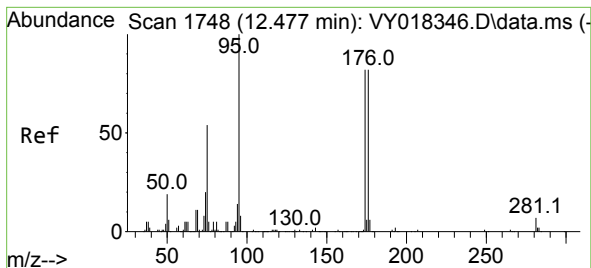
Tgt Ion: 43 Resp: 226

Ion Ratio Lower Upper

43 100

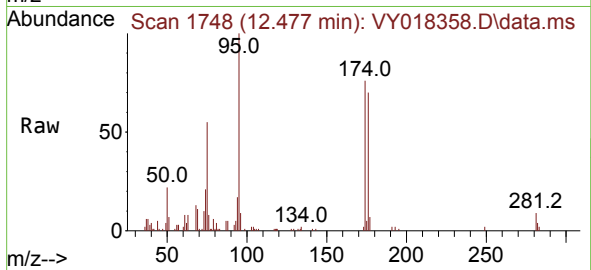
58 28.3 35.7 53.5#



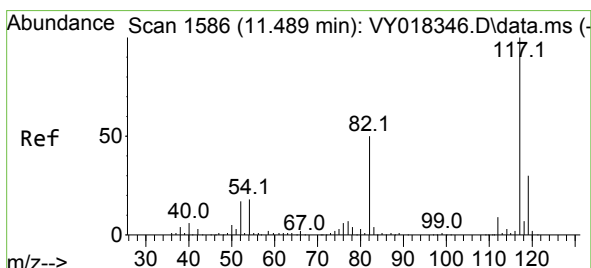
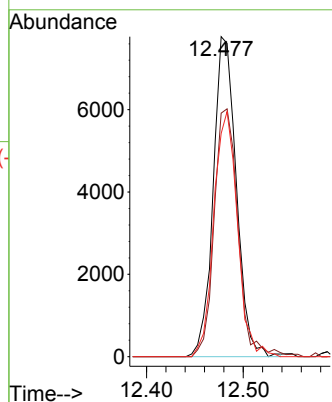
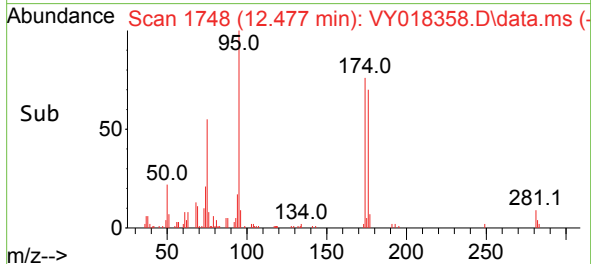


#62
4-Bromofluorobenzene
Concen: 41.163 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018358.D
Acq: 23 May 2024 13:40

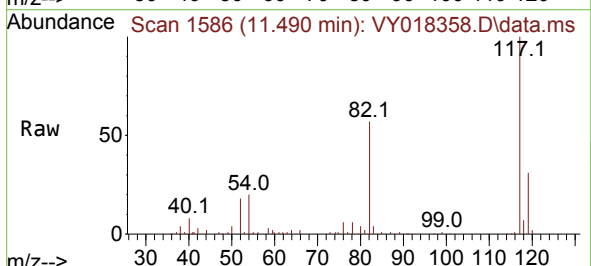
Instrument :
MSVOA_Y
ClientSampleId :



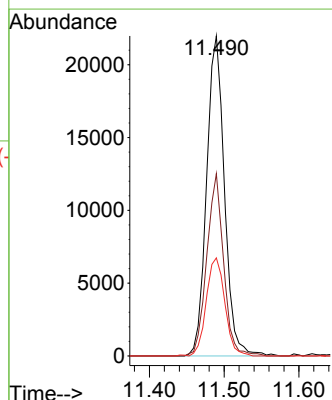
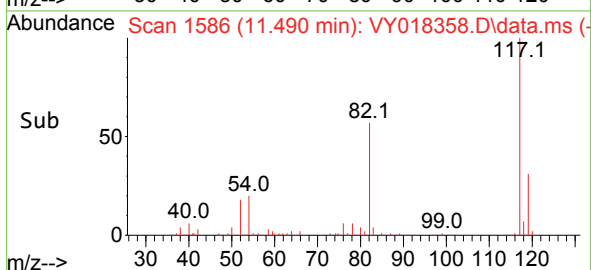
Tgt Ion: 95 Resp: 12888
Ion Ratio Lower Upper
95 100
174 80.0 0.0 175.6
176 78.2 0.0 171.4

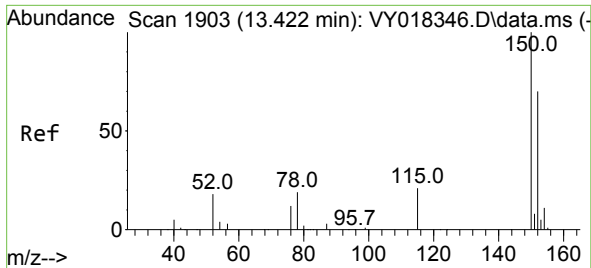


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018358.D
Acq: 23 May 2024 13:40



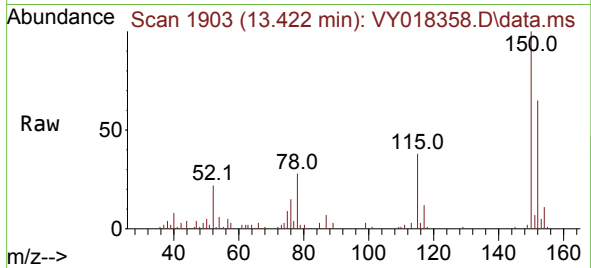
Tgt Ion: 117 Resp: 36542
Ion Ratio Lower Upper
117 100
82 56.9 42.4 63.6
119 30.7 25.9 38.9



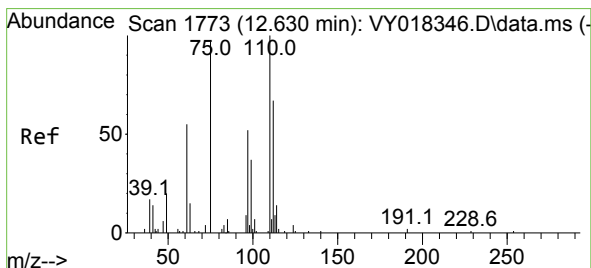
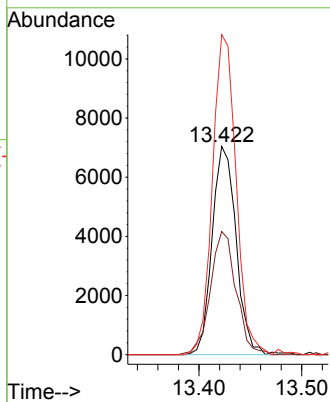
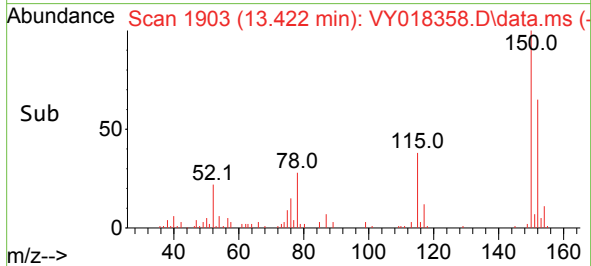


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY018358.D
 Acq: 23 May 2024 13:40

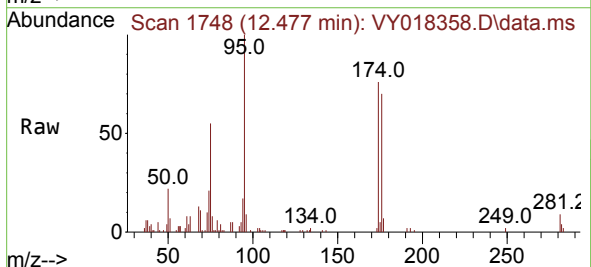
Instrument :
 MSVOA_Y
 ClientSampleId :



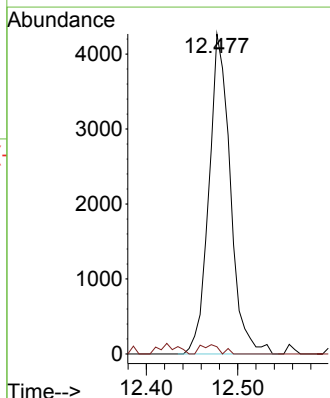
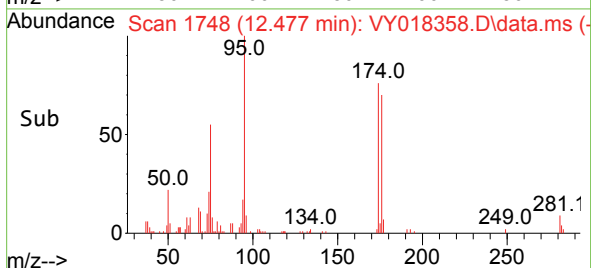
Tgt Ion:152 Resp: 11419
 Ion Ratio Lower Upper
 152 100
 115 63.1 28.2 84.7
 150 151.0 0.0 345.6

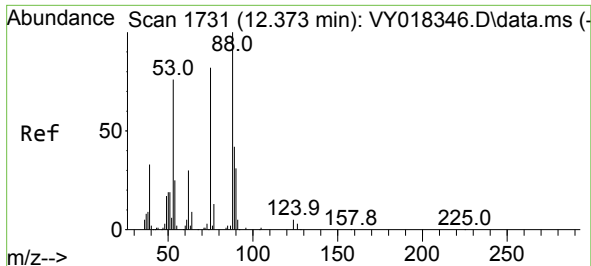


#76
 1,2,3-Trichloropropane
 Concen: 67.689 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY018358.D
 Acq: 23 May 2024 13:40



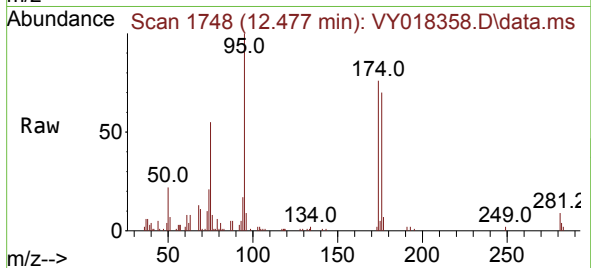
Tgt Ion: 75 Resp: 6947
 Ion Ratio Lower Upper
 75 100
 77 2.6 0.0 0.0#



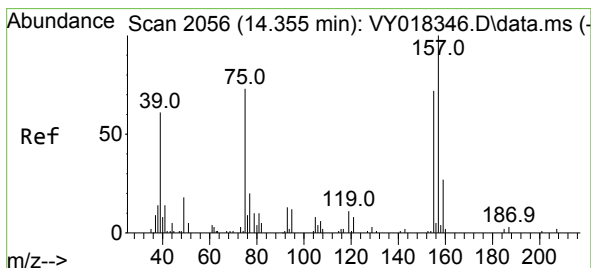
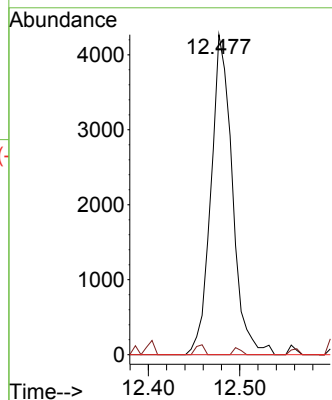
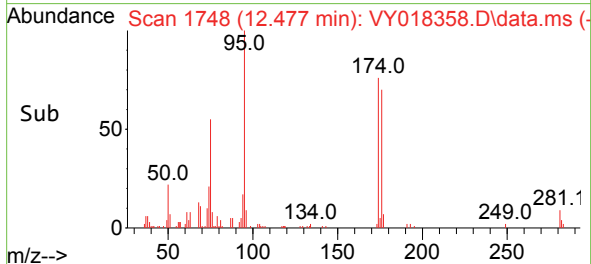


#81
trans-1,4-Dichloro-2-butene
Concen: 139.270 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY018358.D
Acq: 23 May 2024 13:40

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.8	66.8	100.2#
89	0.0	35.8	53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.144 ug/l
RT: 14.276 min Scan# 2043
Delta R.T. -0.079 min
Lab File: VY018358.D
Acq: 23 May 2024 13:40

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

