

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052924\
 Data File : VY018395.D
 Acq On : 29 May 2024 13:27
 Operator : SY/MD
 Sample : P2637-03
 Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 30 04:02:37 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)

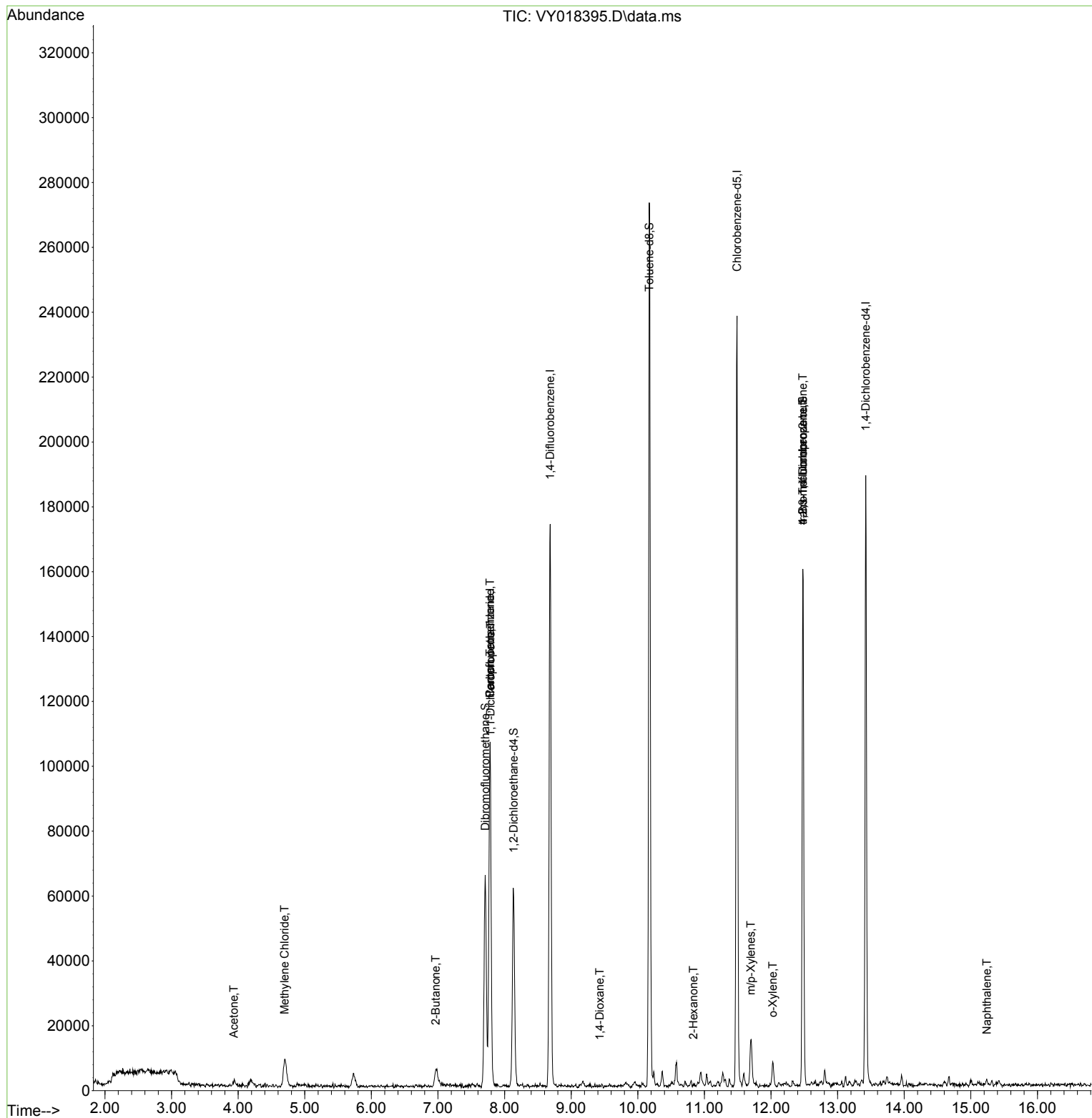
Internal Standards						
1) Pentafluorobenzene	7.783	168	77793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	151465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	128168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	44009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	43948	59.629	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.260%	
35) Dibromofluoromethane	7.710	113	45042	50.995	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.980%	
50) Toluene-d8	10.173	98	174622	50.708	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.420%	
62) 4-Bromofluorobenzene	12.477	95	49549	46.565	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.140%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.905	59	446	Below Cal	#	88
13) Acrolein	3.698	56	118	Below Cal	#	54
16) Acetone	3.936	43	2766	18.247	ug/l #	83
20) Methylene Chloride	4.698	84	6437	2.806	ug/l #	80
25) 2-Butanone	6.966	43	1405	5.849	ug/l #	86
31) Cyclohexane	7.783	56	2086	Below Cal	#	49
36) 1,1-Dichloropropene	7.789	75	7240	5.652	ug/l #	46
38) Carbon Tetrachloride	7.783	117	8393	6.397	ug/l #	17
49) 1,4-Dioxane	9.429	88	56	8.375	ug/l #	1
59) 2-Hexanone	10.837	43	466	1.122	ug/l	81
68) m/p-Xylenes	11.697	106	3490	1.951	ug/l	86
69) o-Xylene	12.026	106	1854	1.098	ug/l	90
76) 1,2,3-Trichloropropane	12.477	75	27175	68.703	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	27175	141.356	ug/l #	16
95) Naphthalene	15.239	128	1703	1.175	ug/l #	86

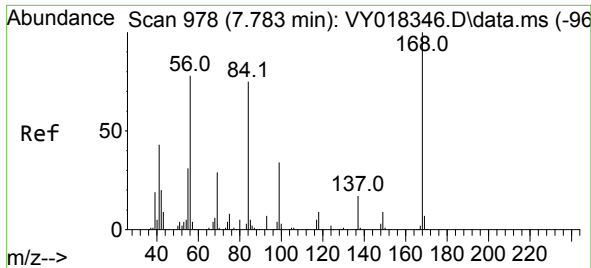
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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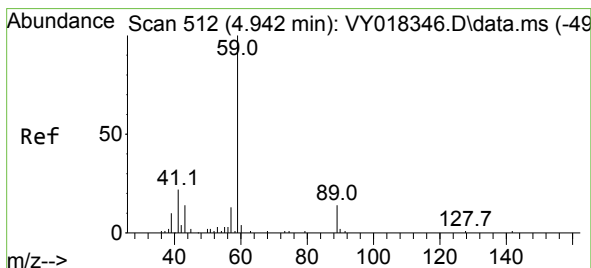
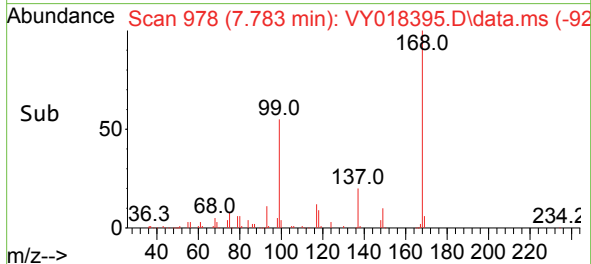
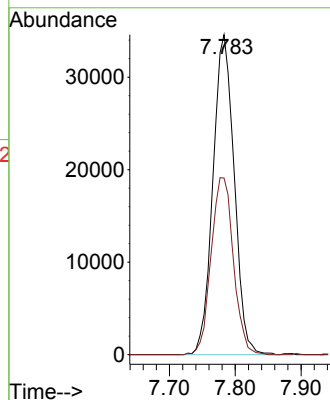
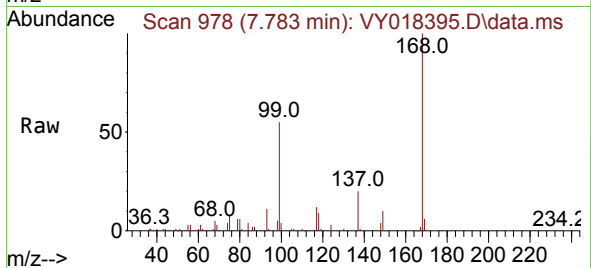




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

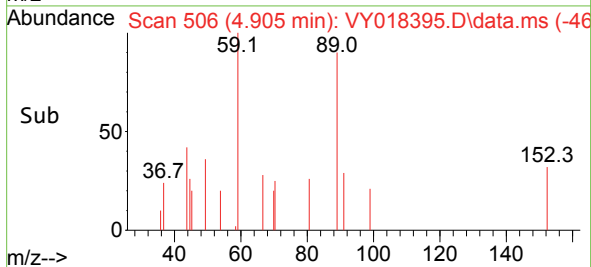
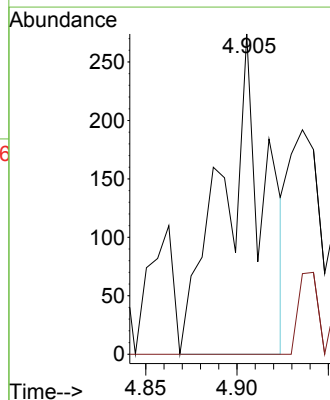
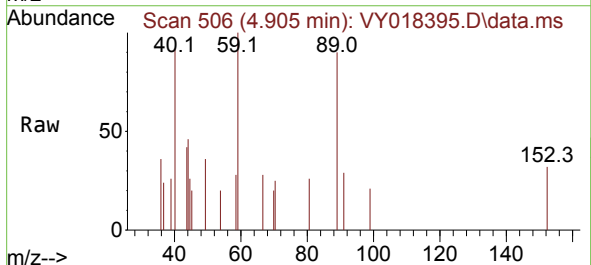
Instrument :
MSVOA_Y
ClientSampleId :

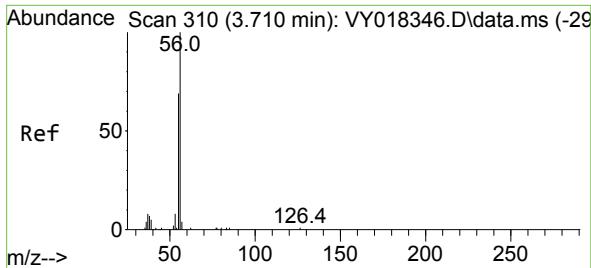
Tgt Ion:168 Resp: 77793
Ion Ratio Lower Upper
168 100
99 55.2 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.905 min Scan# 506
Delta R.T. -0.037 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

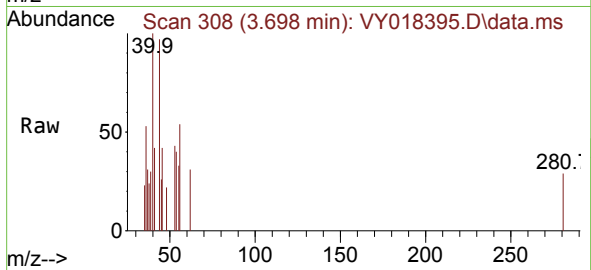
Tgt Ion: 59 Resp: 446
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



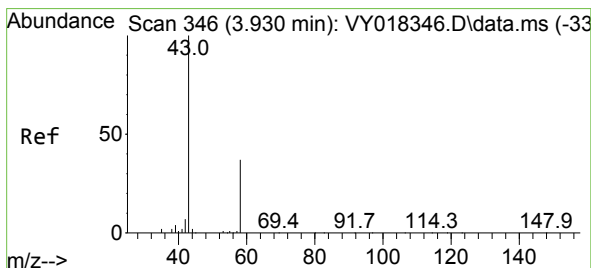
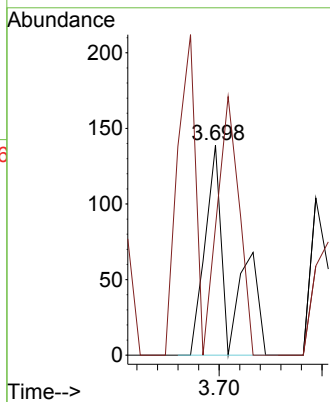
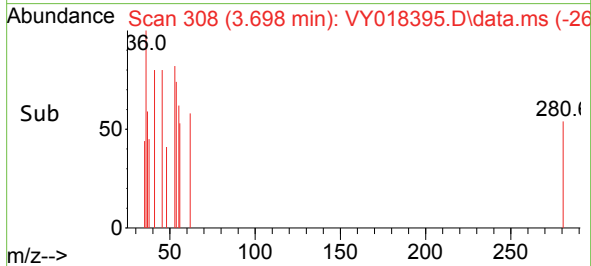


#13
Acrolein
Concen: Below Cal
RT: 3.698 min Scan# 308
Delta R.T. -0.012 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

Instrument :
MSVOA_Y
ClientSampleId :

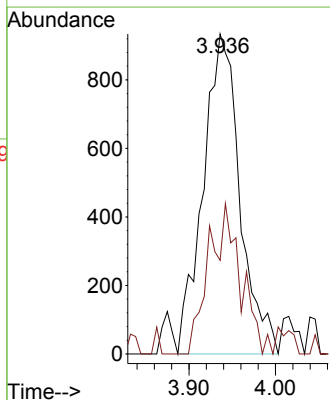
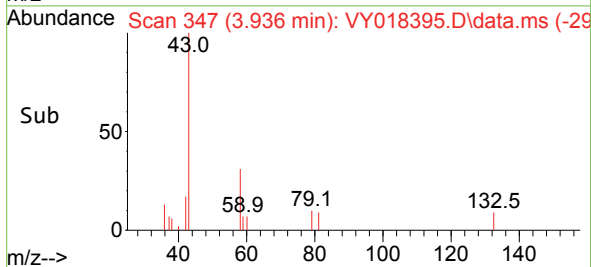
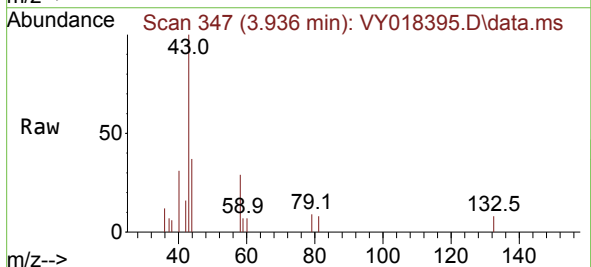


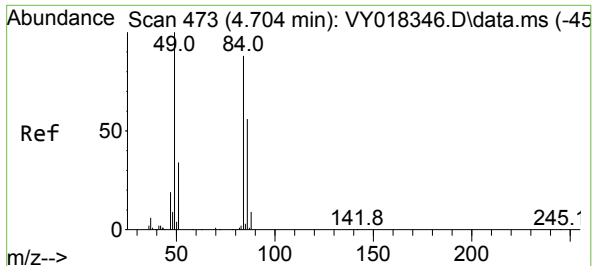
Tgt Ion: 56 Resp: 118
Ion Ratio Lower Upper
56 100
55 107.6 55.7 83.5#



#16
Acetone
Concen: 18.247 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

Tgt Ion: 43 Resp: 2766
Ion Ratio Lower Upper
43 100
58 29.2 31.7 47.5#

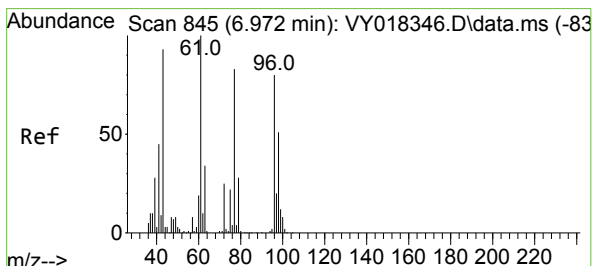
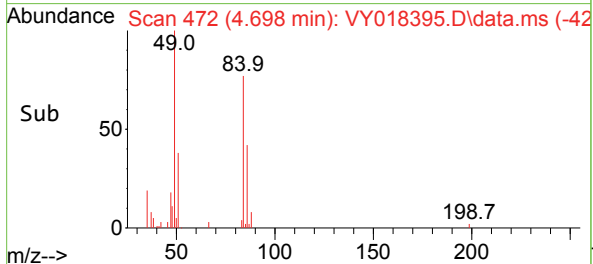
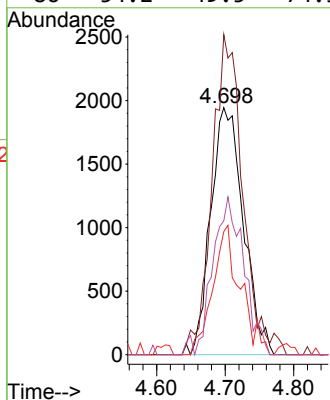
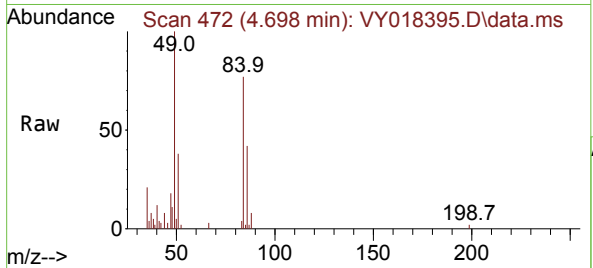




#20
Methylene Chloride
Concen: 2.806 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

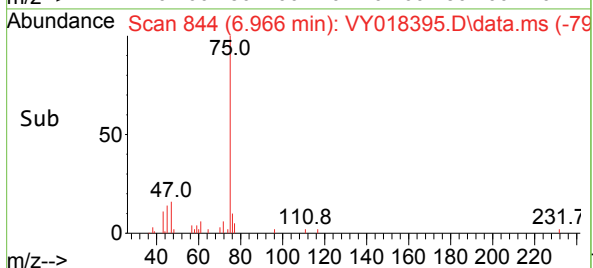
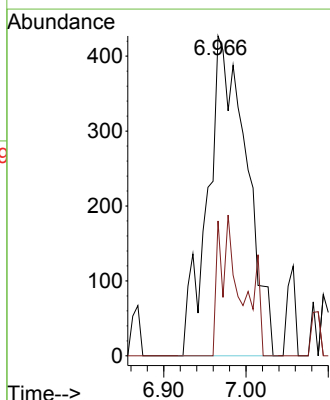
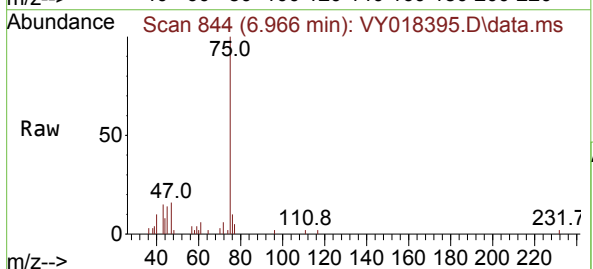
Instrument :
MSVOA_Y
ClientSampleId :

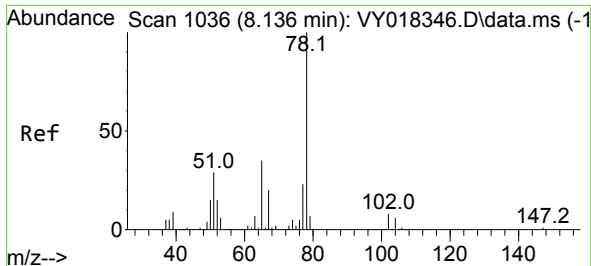
Tgt Ion: 84 Resp: 6437
Ion Ratio Lower Upper
84 100
49 129.5 84.4 126.6#
51 49.8 26.0 39.0#
86 54.2 49.5 74.3



#25
2-Butanone
Concen: 5.849 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.006 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

Tgt Ion: 43 Resp: 1405
Ion Ratio Lower Upper
43 100
72 42.2 27.3 40.9#

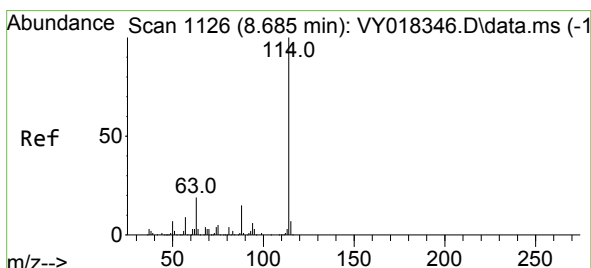
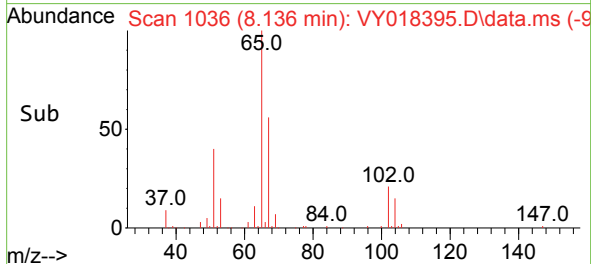
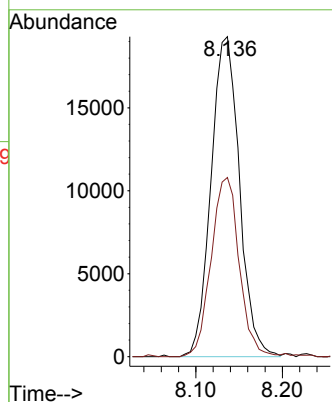
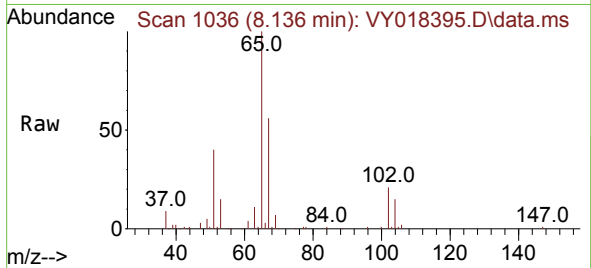




#33
 1,2-Dichloroethane-d4
 Concen: 59.629 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY018395.D
 Acq: 29 May 2024 13:27

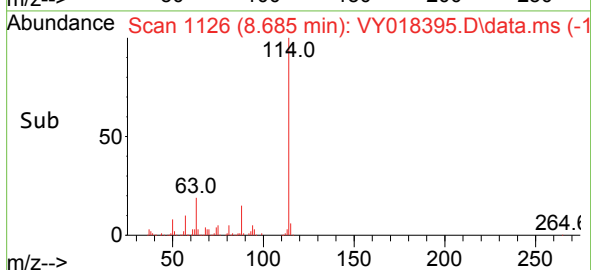
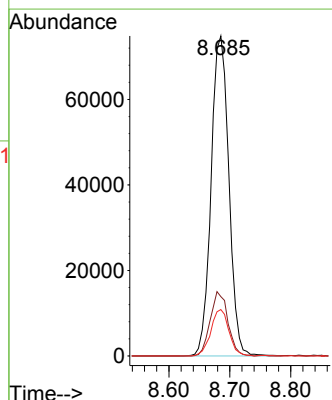
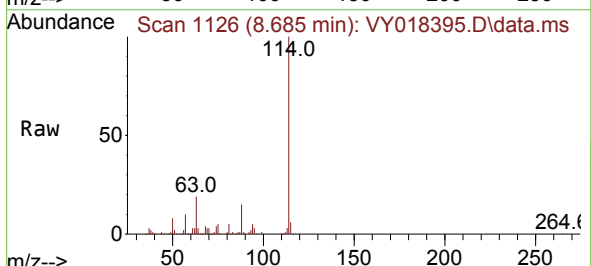
Instrument :
 MSVOA_Y
 ClientSampleId :

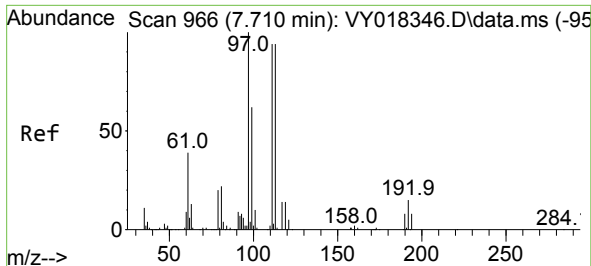
Tgt Ion: 65 Resp: 43948
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY018395.D
 Acq: 29 May 2024 13:27

Tgt Ion:114 Resp: 151465
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.0
 88 14.5 0.0 27.2

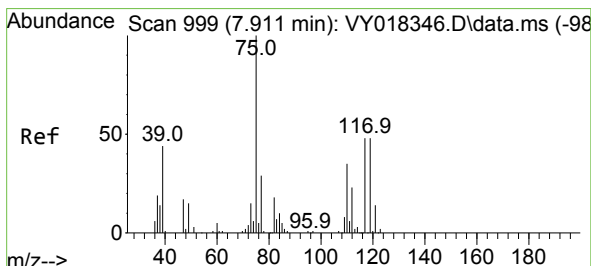
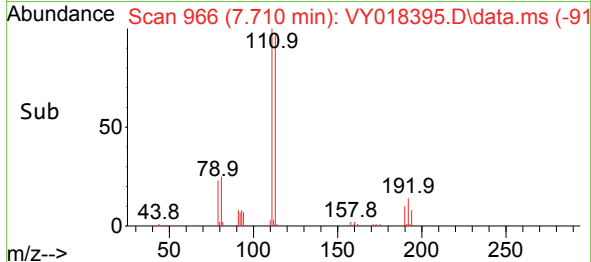
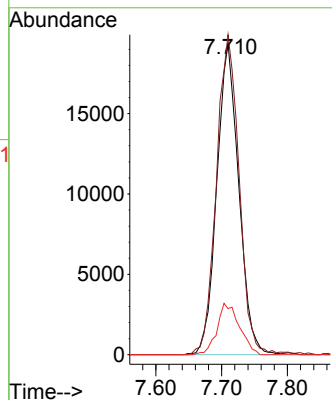
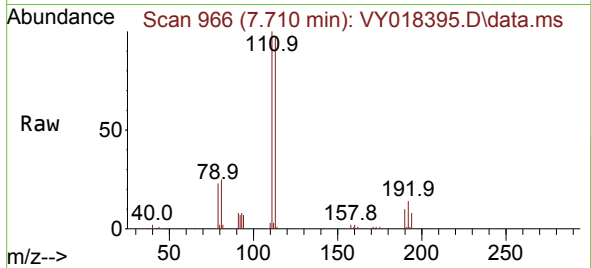




#35
Dibromofluoromethane
Concen: 50.995 ug/l
RT: 7.710 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

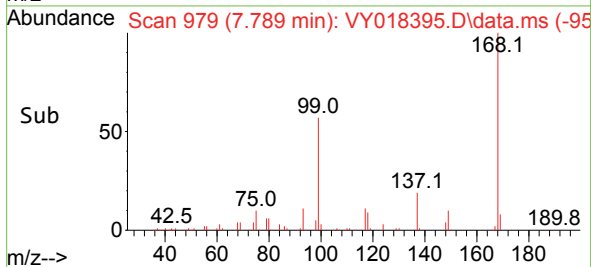
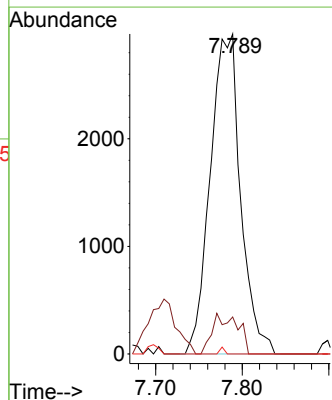
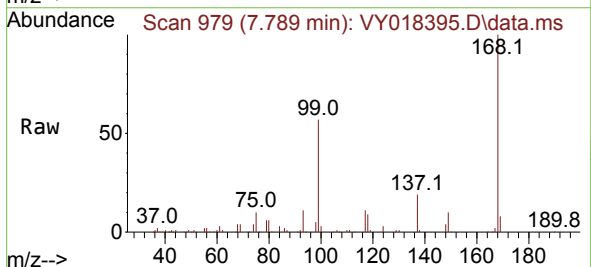
Instrument :
MSVOA_Y
ClientSampleId :

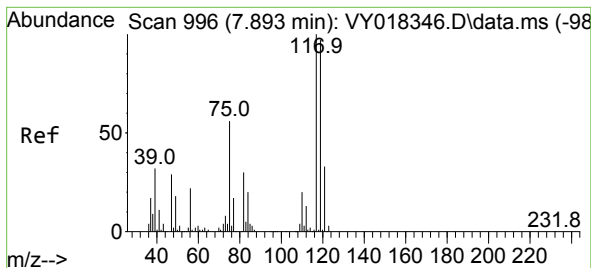
Tgt Ion:113 Resp: 45042
Ion Ratio Lower Upper
113 100
111 106.2 82.2 123.4
192 16.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.652 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

Tgt Ion: 75 Resp: 7240
Ion Ratio Lower Upper
75 100
110 6.2 19.0 57.0#
77 0.3 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.397 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.110 min

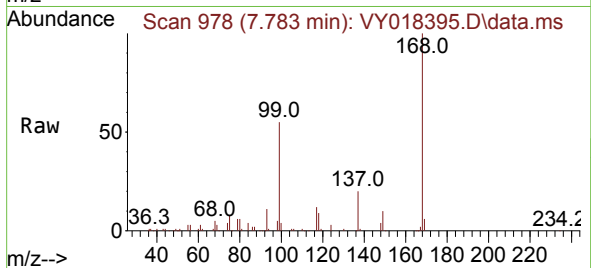
Lab File: VY018395.D

Acq: 29 May 2024 13:27

Instrument :

MSVOA_Y

ClientSampleId :



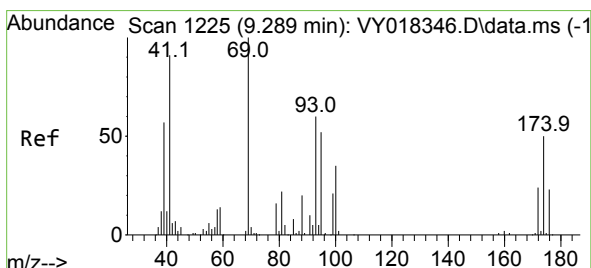
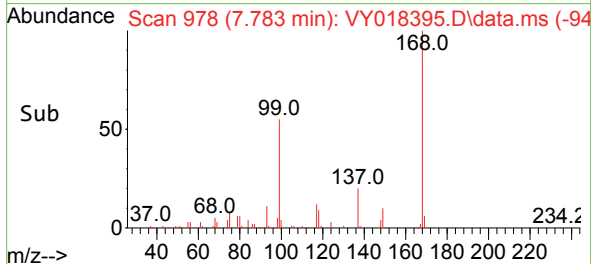
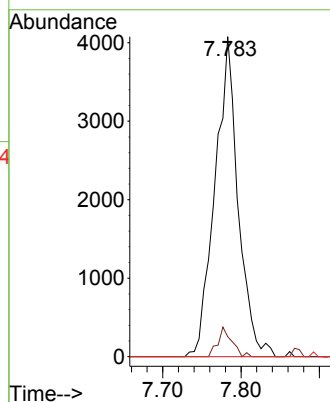
Tgt Ion:117 Resp: 8393

Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

121 0.0 24.0 36.0#



#49

1,4-Dioxane

Concen: 8.375 ug/l

RT: 9.429 min Scan# 1248

Delta R.T. 0.140 min

Lab File: VY018395.D

Acq: 29 May 2024 13:27

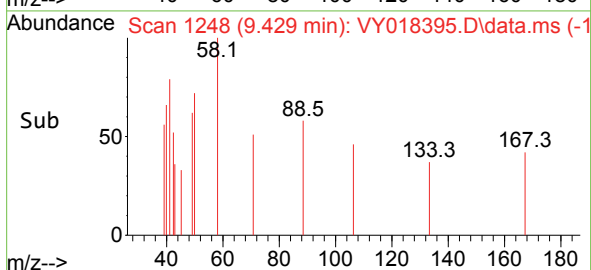
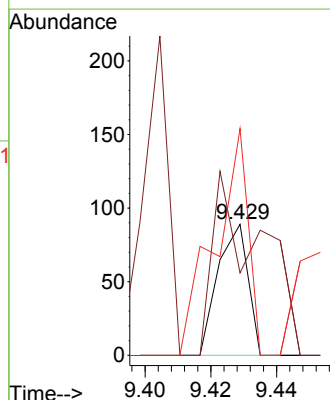
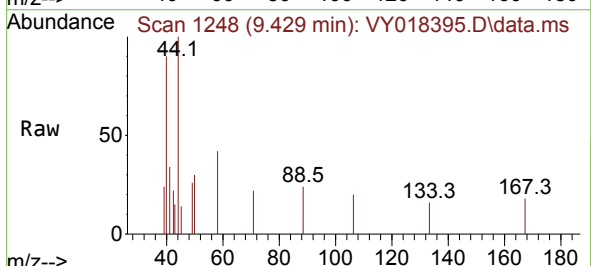
Tgt Ion: 88 Resp: 56

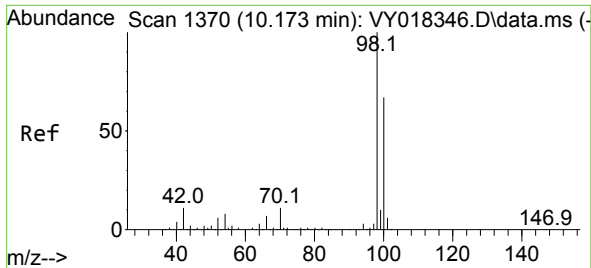
Ion Ratio Lower Upper

88 100

43 225.0 0.0 0.0#

58 192.9 49.3 73.9#

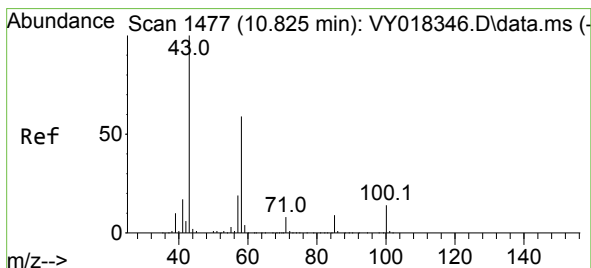
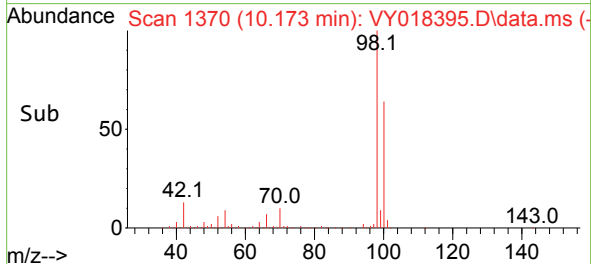
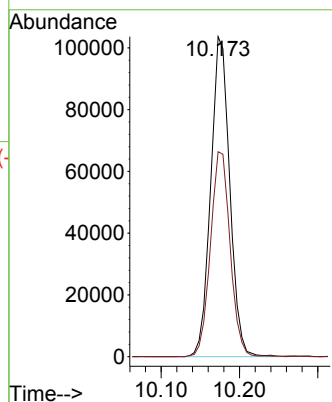
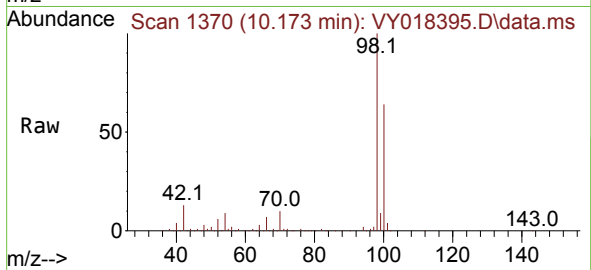




#50
Toluene-d8
Concen: 50.708 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

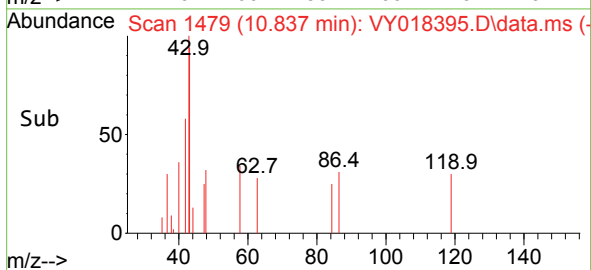
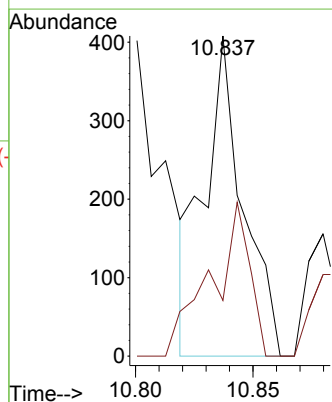
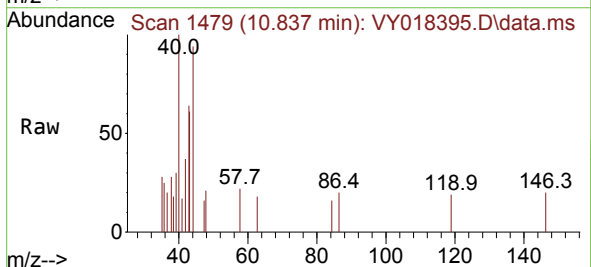
Instrument :
MSVOA_Y
ClientSampleId :

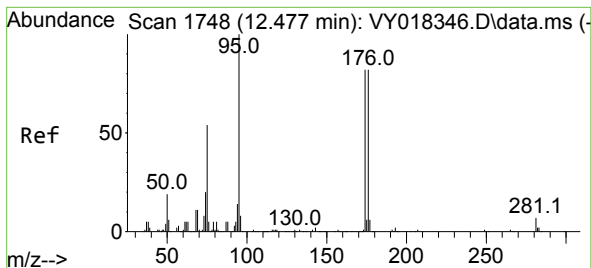
Tgt Ion: 98 Resp: 174622
Ion Ratio Lower Upper
98 100
100 66.4 52.0 78.0



#59
2-Hexanone
Concen: 1.122 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.012 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

Tgt Ion: 43 Resp: 466
Ion Ratio Lower Upper
43 100
58 47.9 31.4 94.0

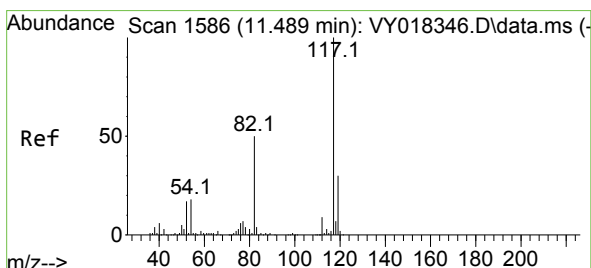
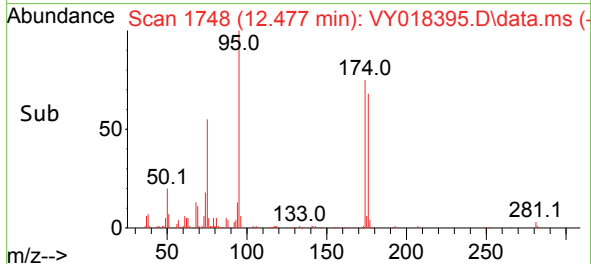
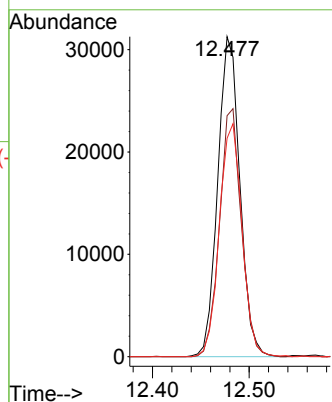
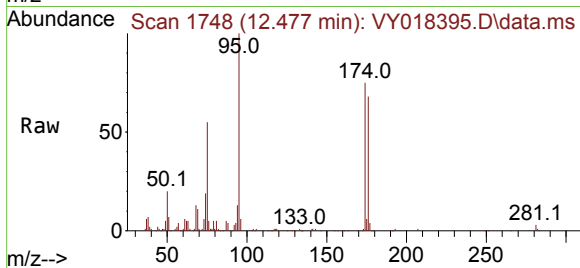




#62
4-Bromofluorobenzene
Concen: 46.565 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

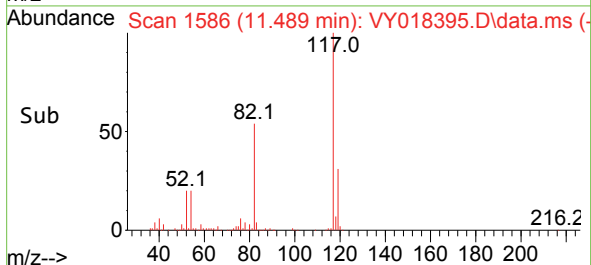
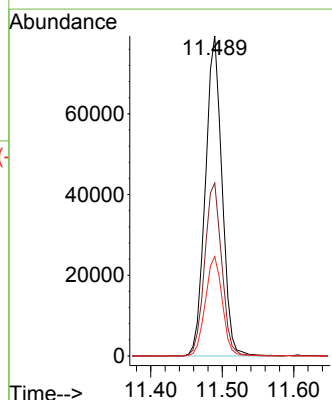
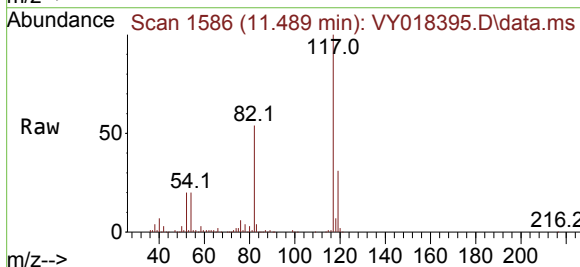
Instrument :
MSVOA_Y
ClientSampleId :

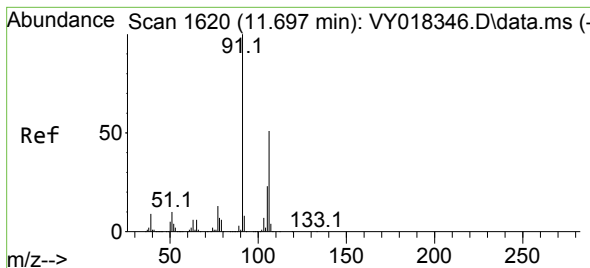
Tgt Ion: 95 Resp: 49549
Ion Ratio Lower Upper
95 100
174 76.6 0.0 175.6
176 74.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

Tgt Ion: 117 Resp: 128168
Ion Ratio Lower Upper
117 100
82 54.0 42.4 63.6
119 31.1 25.9 38.9

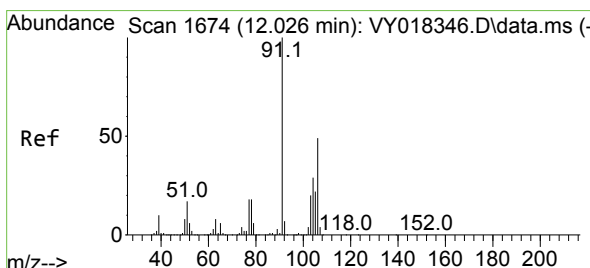
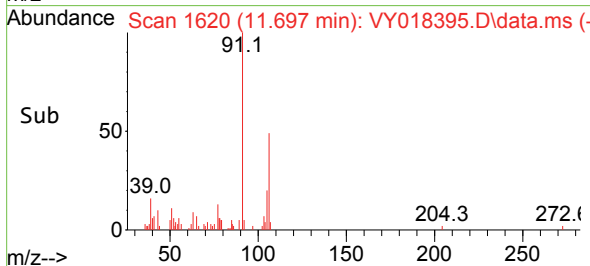
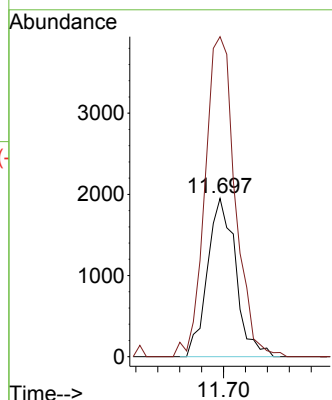
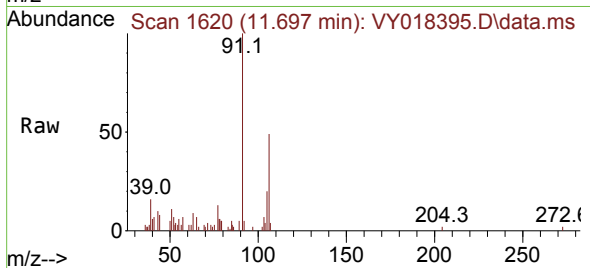




#68
m/p-Xylenes
Concen: 1.951 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

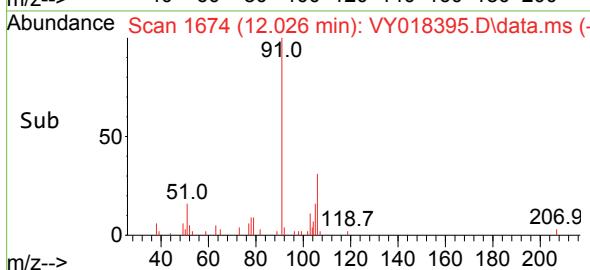
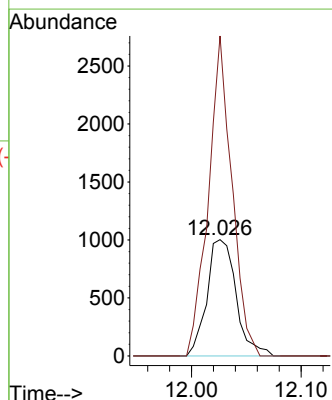
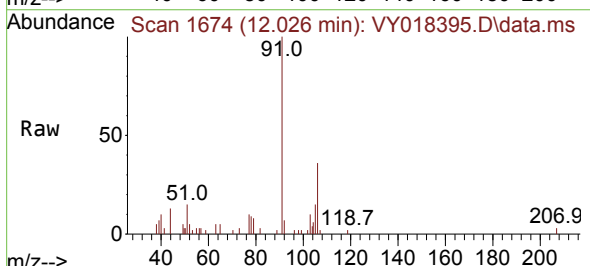
Instrument :
MSVOA_Y
ClientSampleId :

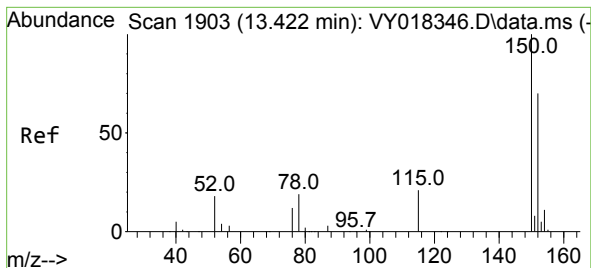
Tgt Ion:106 Resp: 3490
Ion Ratio Lower Upper
106 100
91 216.2 156.0 234.0



#69
o-Xylene
Concen: 1.098 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

Tgt Ion:106 Resp: 1854
Ion Ratio Lower Upper
106 100
91 222.1 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018395.D

Acq: 29 May 2024 13:27

Instrument :

MSVOA_Y

ClientSampleId :

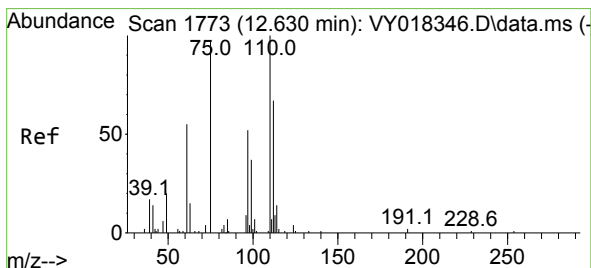
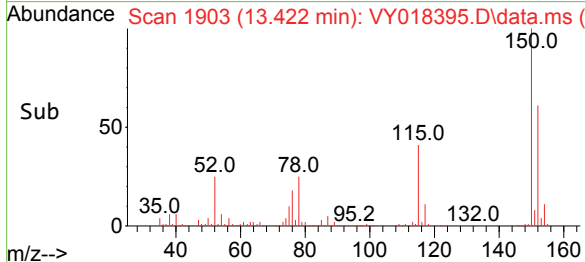
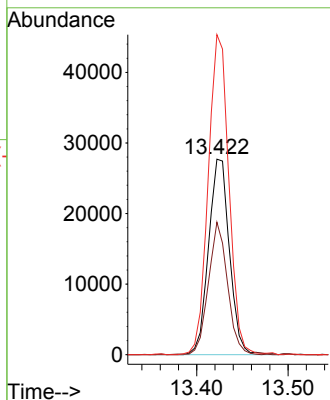
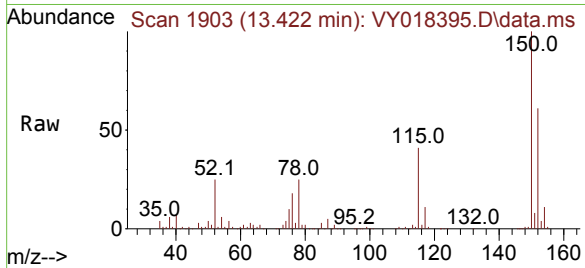
Tgt Ion:152 Resp: 44009

Ion Ratio Lower Upper

152 100

115 61.8 28.2 84.7

150 161.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 68.703 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY018395.D

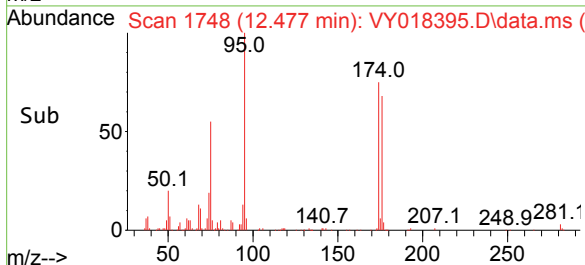
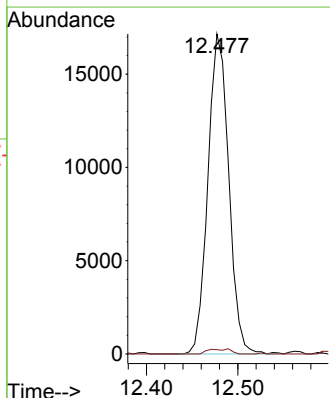
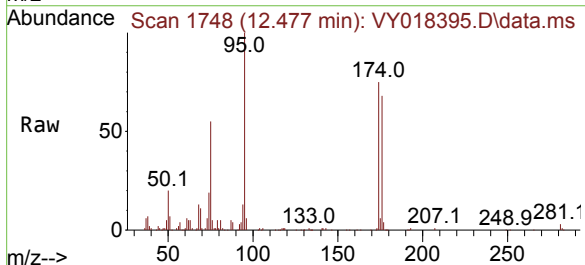
Acq: 29 May 2024 13:27

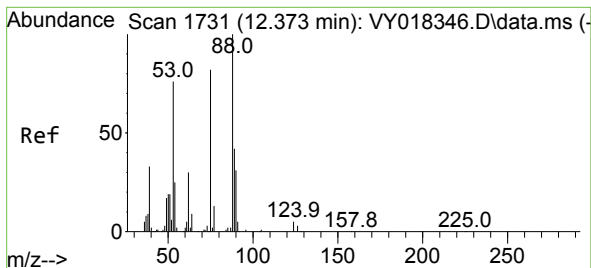
Tgt Ion: 75 Resp: 27175

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

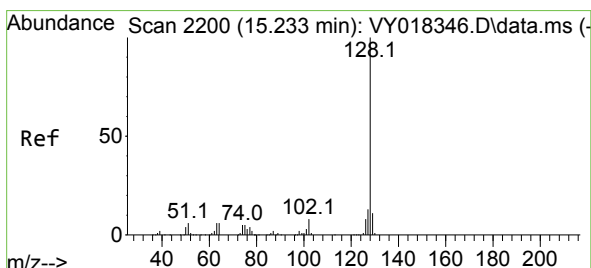
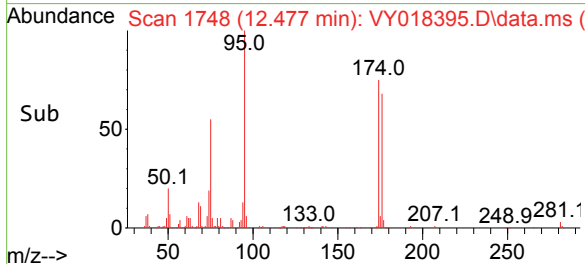
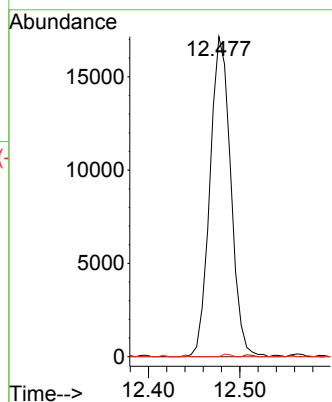
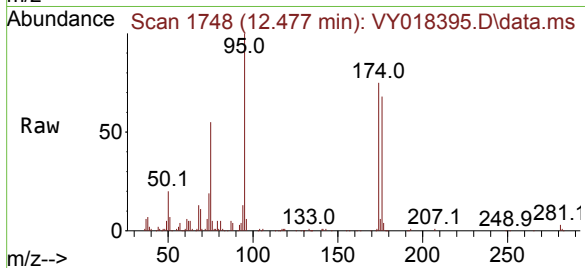




#81
trans-1,4-Dichloro-2-butene
Concen: 141.356 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 27175
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.3 35.8 53.6#



#95
Naphthalene
Concen: 1.175 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY018395.D
Acq: 29 May 2024 13:27

Tgt Ion:128 Resp: 1703
Ion Ratio Lower Upper
128 100
127 4.0 10.6 16.0#
129 11.8 8.6 13.0

