

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071624\
 Data File : VY018838.D
 Acq On : 16 Jul 2024 18:04
 Operator : SY/MD
 Sample : P3224-25
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 17 01:59:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

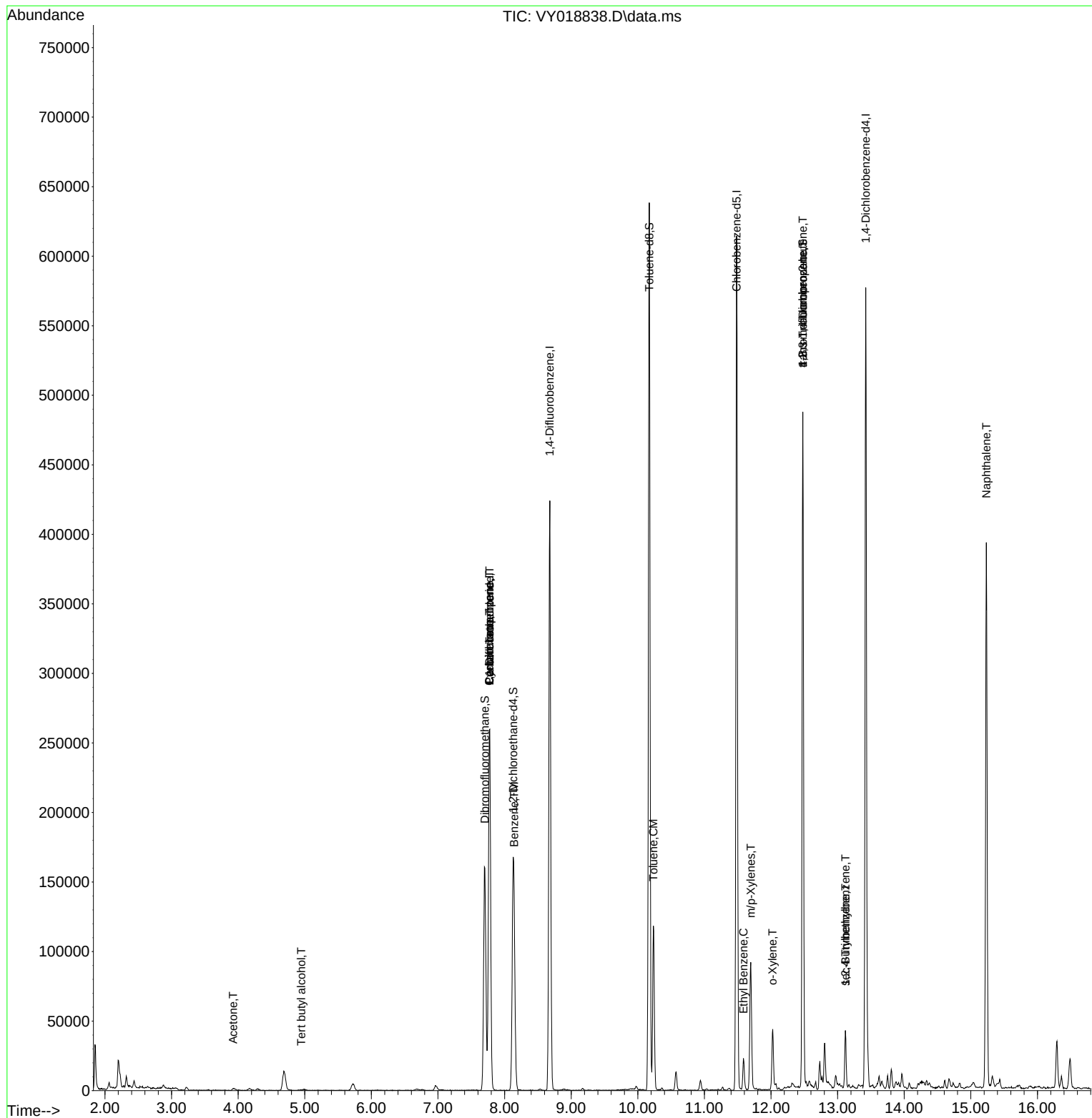
Internal Standards						
1) Pentafluorobenzene	7.777	168	208366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	360236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	330295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	146252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	103642	50.548	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.100%			
35) Dibromofluoromethane	7.704	113	109719	48.629	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.260%			
50) Toluene-d8	10.173	98	407400	47.661	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.320%			
62) 4-Bromofluorobenzene	12.477	95	138095	47.306	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.620%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.948	59	554	2.667	ug/l #	88
16) Acetone	3.924	43	2482	6.566	ug/l #	69
31) Cyclohexane	7.771	56	5057	1.605	ug/l #	52
36) 1,1-Dichloropropene	7.771	75	14912	4.789	ug/l #	49
38) Carbon Tetrachloride	7.777	117	19858	5.295	ug/l #	14
40) Benzene	8.143	78	67080	7.427	ug/l	96
52) Toluene	10.234	92	50006	8.330	ug/l	98
67) Ethyl Benzene	11.587	91	15308	1.254	ug/l	90
68) m/p-Xylenes	11.697	106	27032	5.644	ug/l	96
69) o-Xylene	12.026	106	11034	2.450	ug/l	96
76) 1,2,3-Trichloropropane	12.477	75	76966	67.191	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	76966	150.378	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.117	105	22701	2.608	ug/l	98
85) sec-Butylbenzene	13.117	105	22701	1.978	ug/l #	56
95) Naphthalene	15.233	128	311994	68.722	ug/l	99

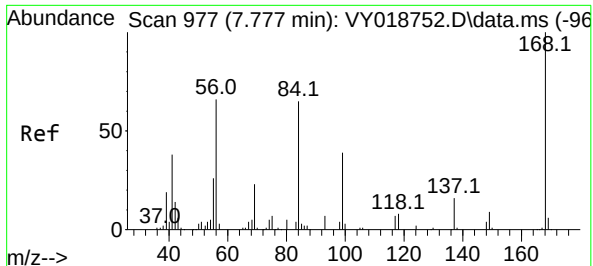
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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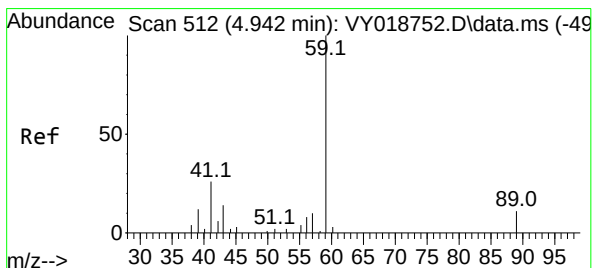
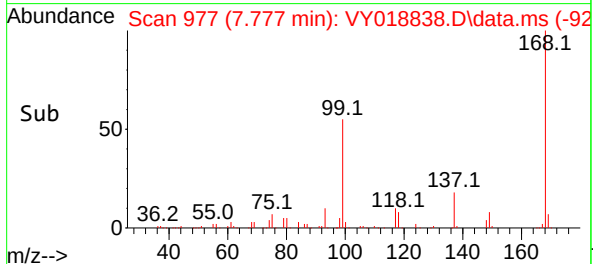
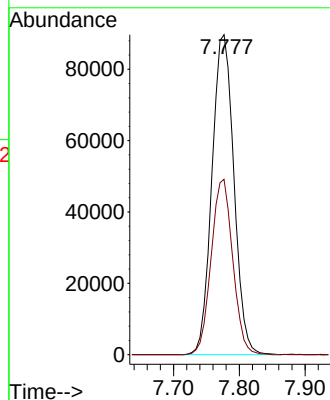
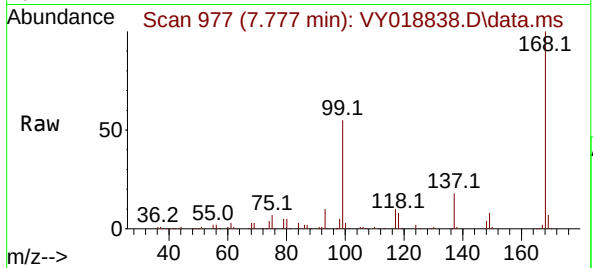




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

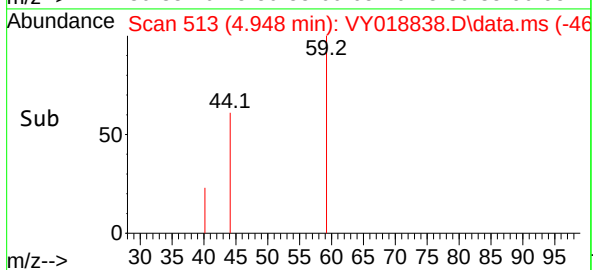
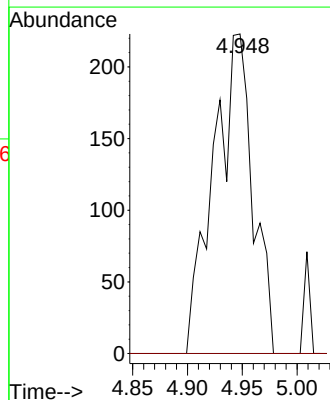
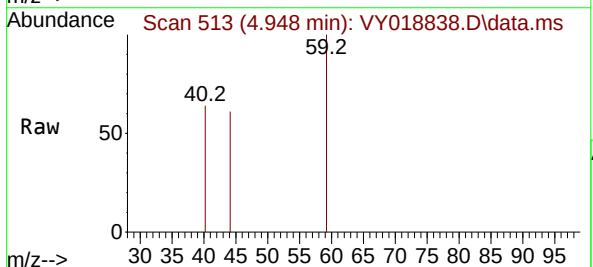
Instrument :
MSVOA_Y
ClientSampleId :

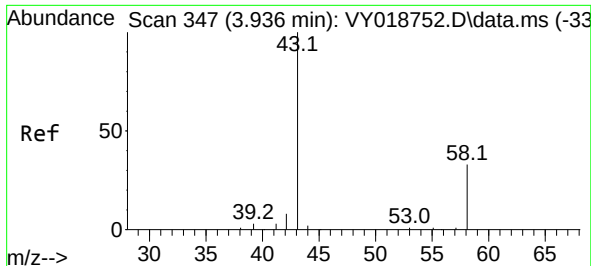
Tgt Ion:168 Resp: 208366
Ion Ratio Lower Upper
168 100
99 54.8 39.1 58.7



#11
Tert butyl alcohol
Concen: 2.667 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

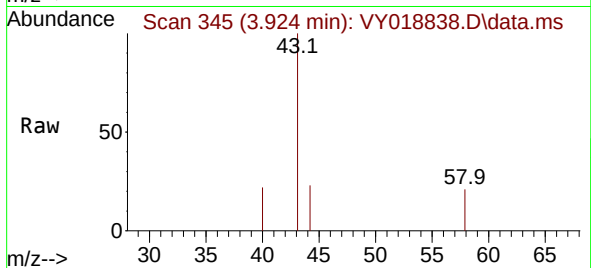
Tgt Ion: 59 Resp: 554
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



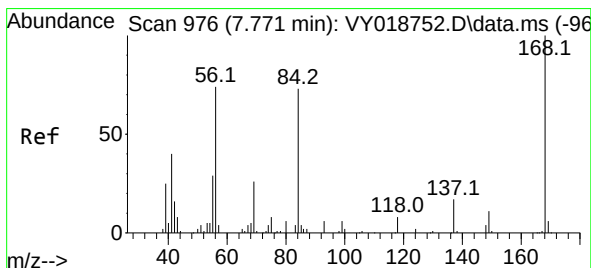
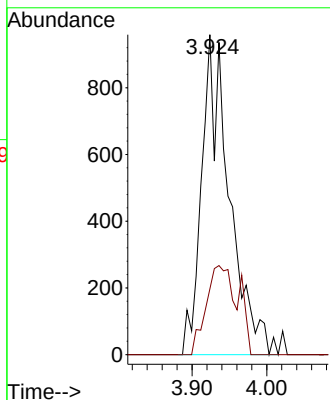
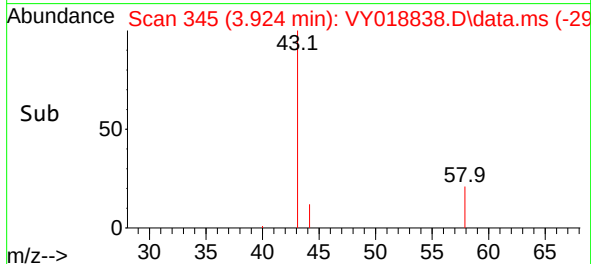


#16
Acetone
Concen: 6.566 ug/l
RT: 3.924 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

Instrument :
MSVOA_Y
ClientSampleId :

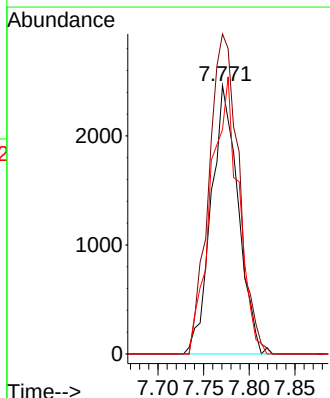
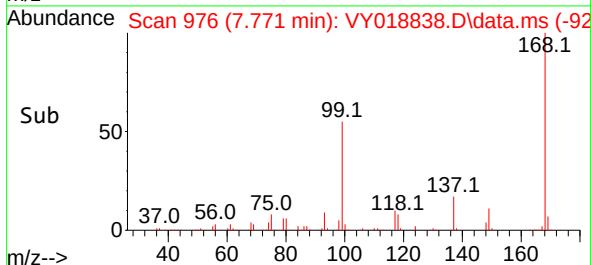
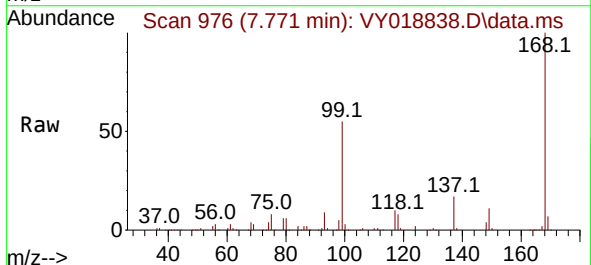


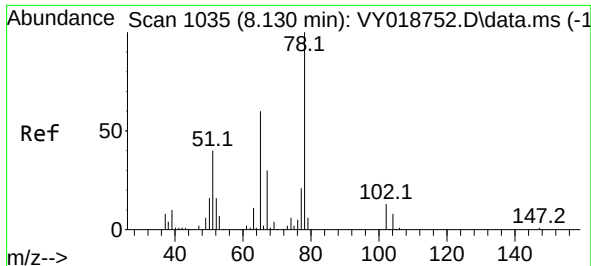
Tgt Ion: 43 Resp: 2482
Ion Ratio Lower Upper
43 100
58 20.5 31.7 47.5#



#31
Cyclohexane
Concen: 1.605 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

Tgt Ion: 56 Resp: 5057
Ion Ratio Lower Upper
56 100
69 119.3 28.7 43.1#
84 83.7 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 50.548 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VY018838.D

Acq: 16 Jul 2024 18:04

Instrument :

MSVOA_Y

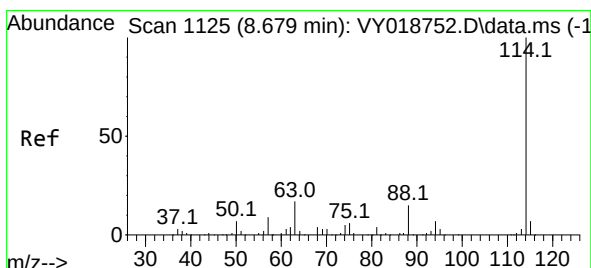
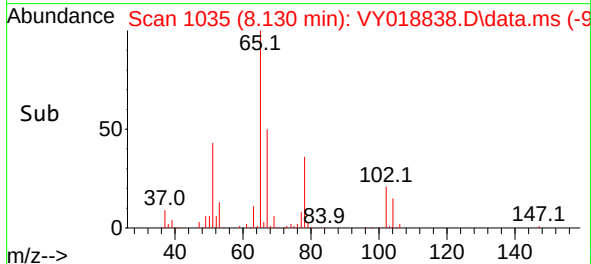
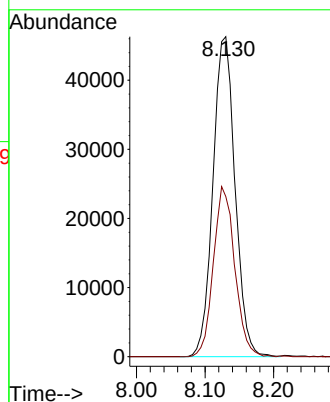
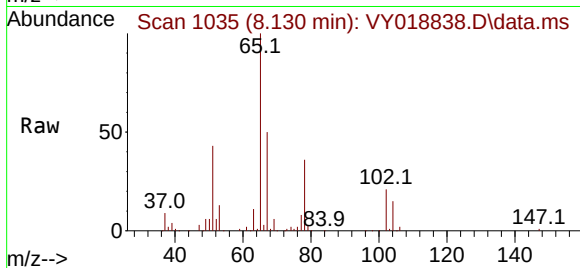
ClientSampleId :

Tgt Ion: 65 Resp: 103642

Ion Ratio Lower Upper

65 100

67 51.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VY018838.D

Acq: 16 Jul 2024 18:04

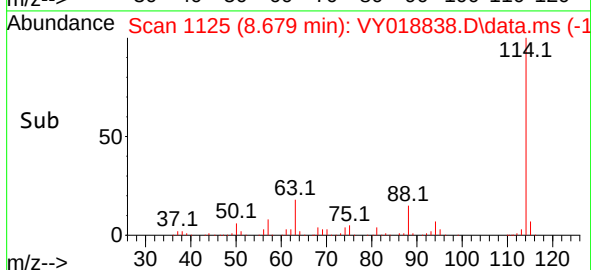
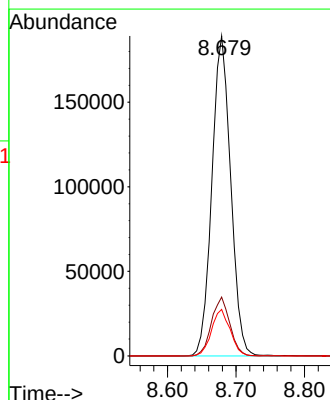
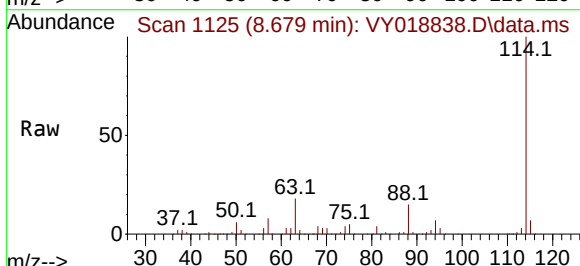
Tgt Ion: 114 Resp: 360236

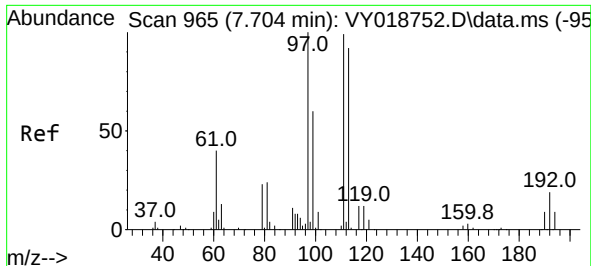
Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.0

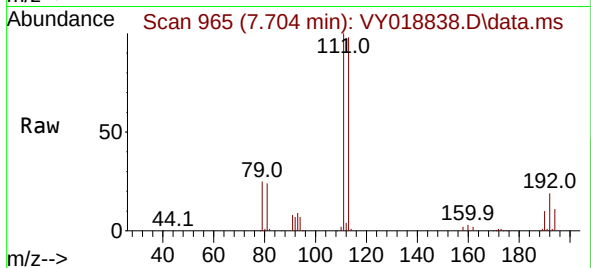
88 14.5 0.0 27.2



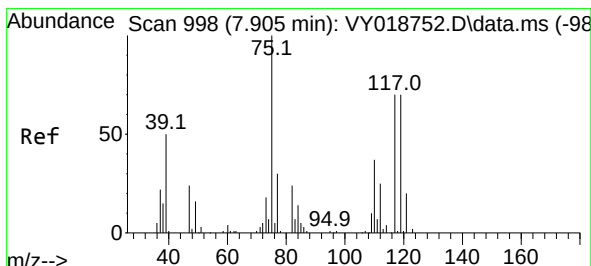
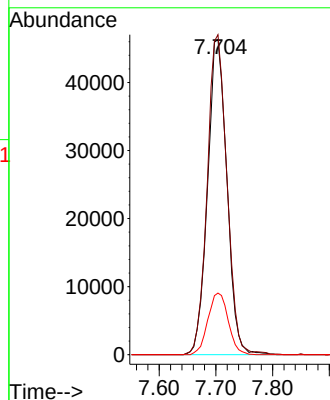
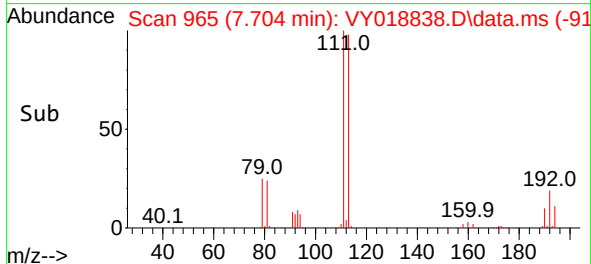


#35
Dibromofluoromethane
Concen: 48.629 ug/l
RT: 7.704 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

Instrument :
MSVOA_Y
ClientSampleId :

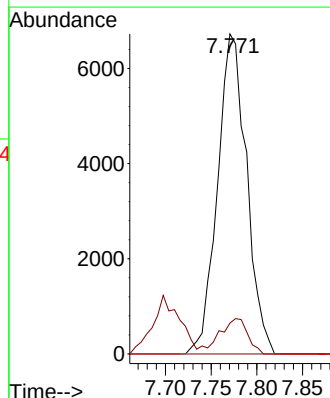
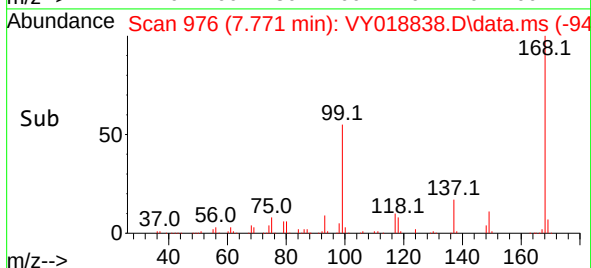
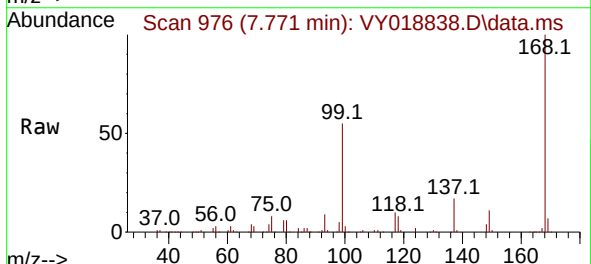


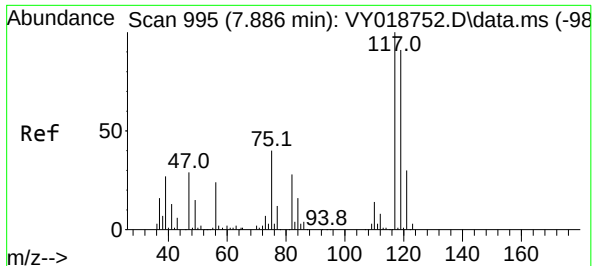
Tgt Ion:113 Resp: 109719
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 20.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.789 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.134 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

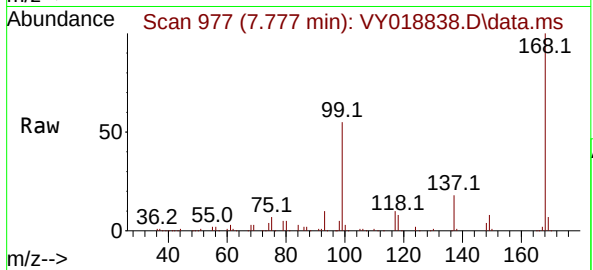
Tgt Ion: 75 Resp: 14912
Ion Ratio Lower Upper
75 100
110 10.0 19.0 57.0#
77 0.0 25.3 37.9#



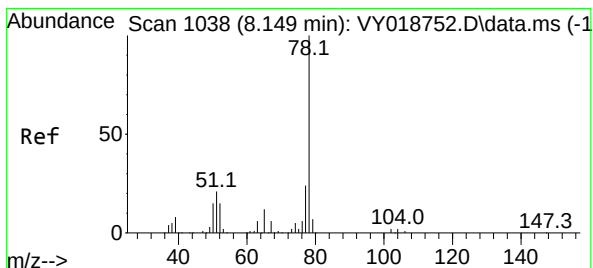
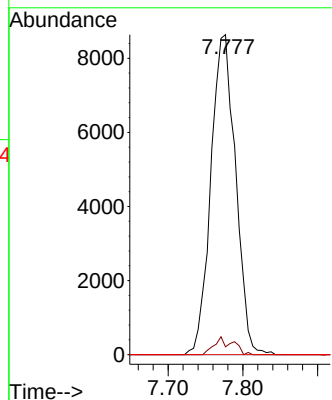
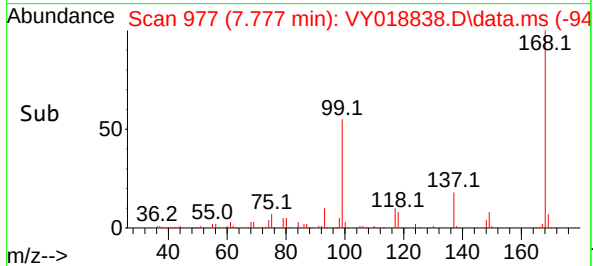


#38
Carbon Tetrachloride
Concen: 5.295 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

Instrument :
MSVOA_Y
ClientSampleId :

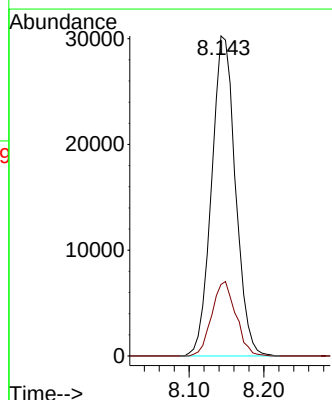
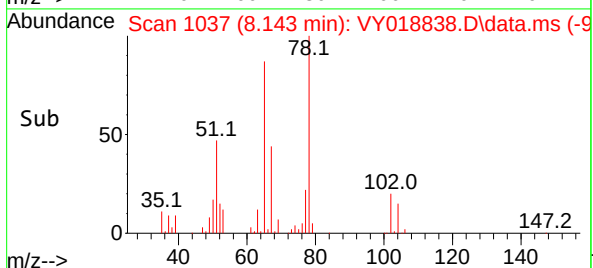
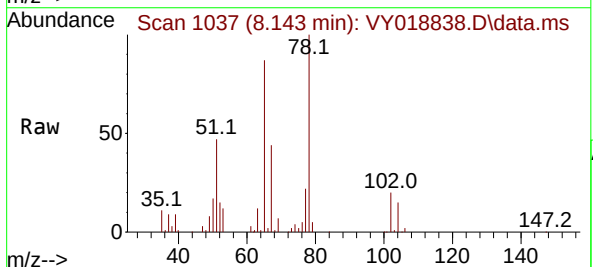


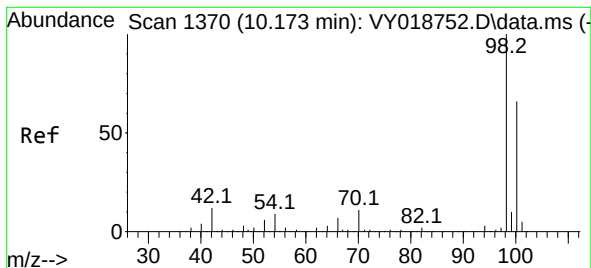
Tgt Ion:117 Resp: 19858
Ion Ratio Lower Upper
117 100
119 2.4 75.8 113.6#
121 0.0 24.0 36.0#



#40
Benzene
Concen: 7.427 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

Tgt Ion: 78 Resp: 67080
Ion Ratio Lower Upper
78 100
77 22.4 19.5 29.3





#50

Toluene-d8

Concen: 47.661 ug/l

RT: 10.173 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018838.D

Acq: 16 Jul 2024 18:04

Instrument :

MSVOA_Y

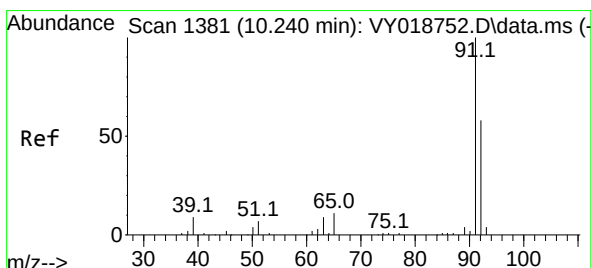
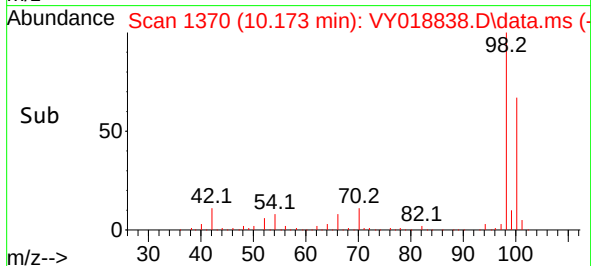
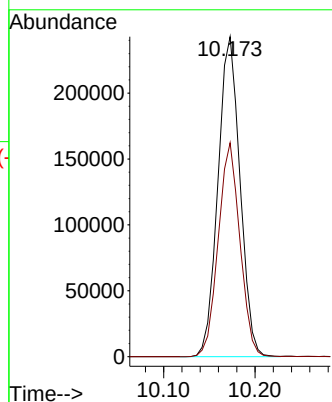
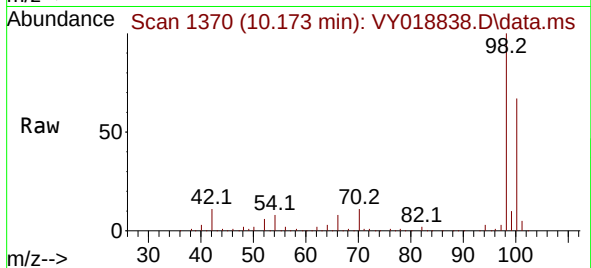
ClientSampleId :

Tgt Ion: 98 Resp: 407400

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0



#52

Toluene

Concen: 8.330 ug/l

RT: 10.234 min Scan# 1380

Delta R.T. -0.006 min

Lab File: VY018838.D

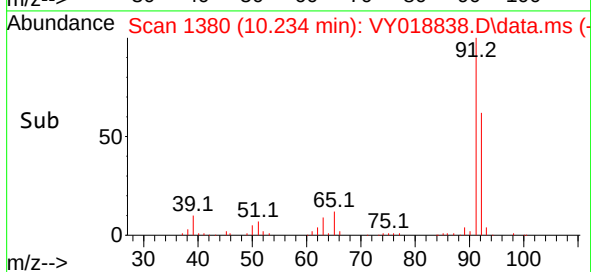
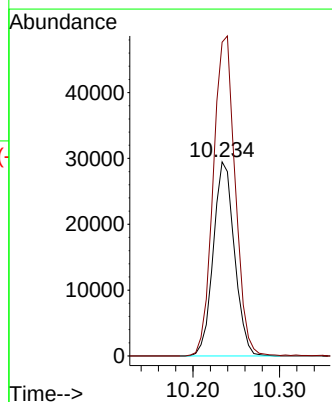
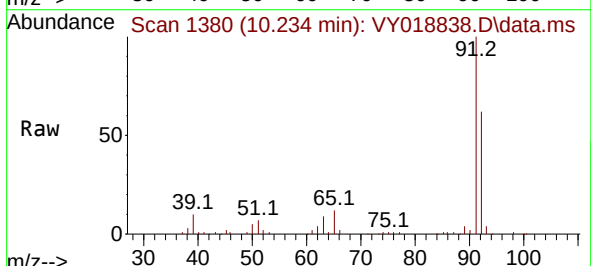
Acq: 16 Jul 2024 18:04

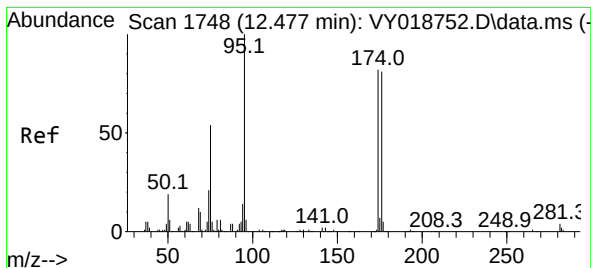
Tgt Ion: 92 Resp: 50006

Ion Ratio Lower Upper

92 100

91 171.2 139.0 208.6

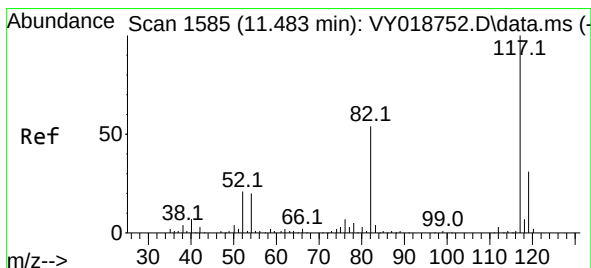
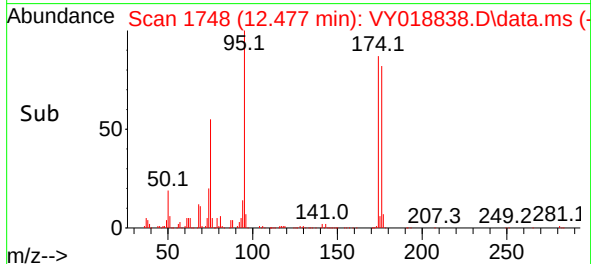
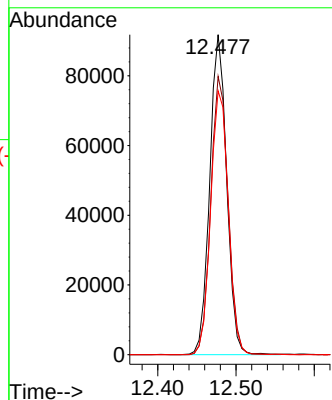
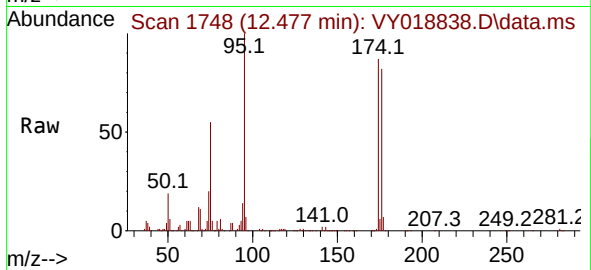




#62
4-Bromofluorobenzene
Concen: 47.306 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

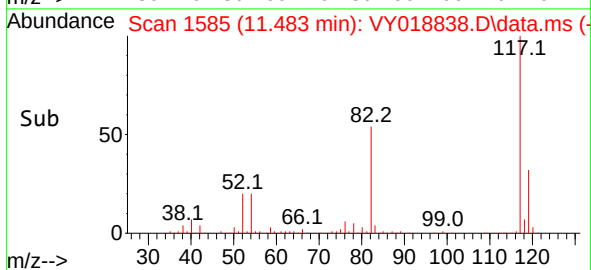
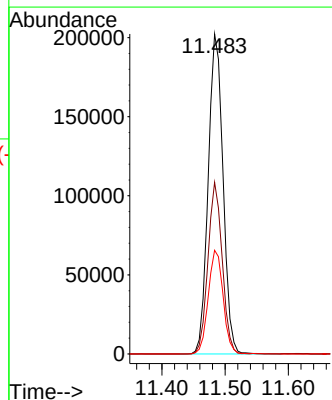
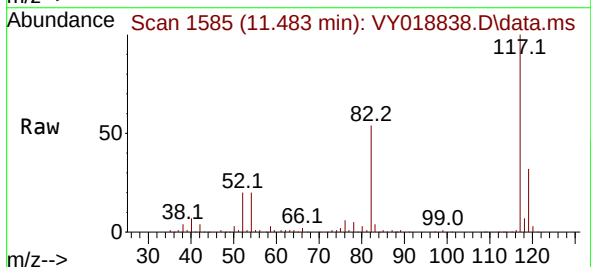
Instrument :
MSVOA_Y
ClientSampleId :

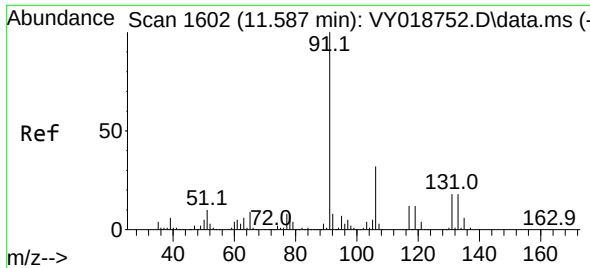
Tgt Ion: 95 Resp: 138095
Ion Ratio Lower Upper
95 100
174 89.0 0.0 175.6
176 85.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

Tgt Ion: 117 Resp: 330295
Ion Ratio Lower Upper
117 100
82 53.6 42.4 63.6
119 32.4 25.9 38.9

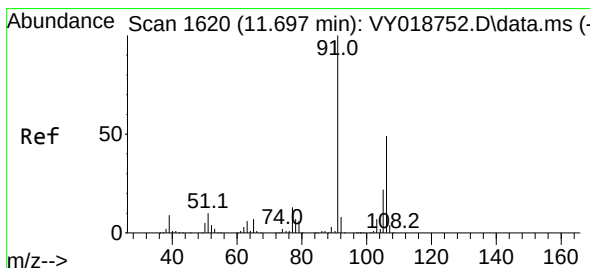
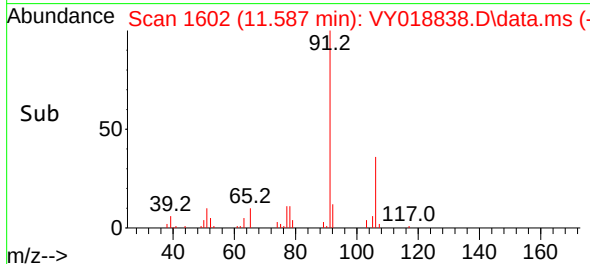
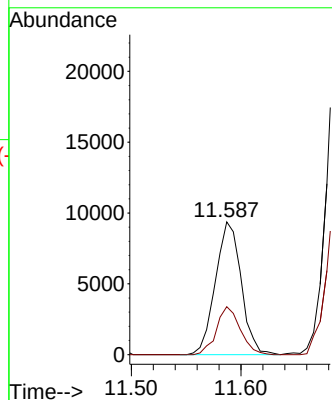
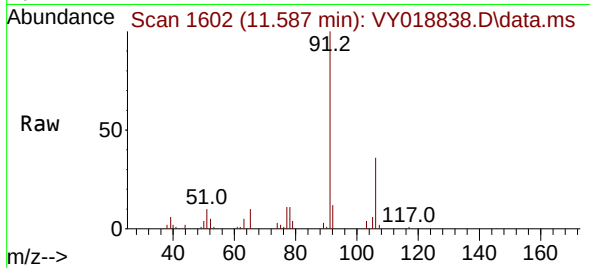




#67
Ethyl Benzene
Concen: 1.254 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

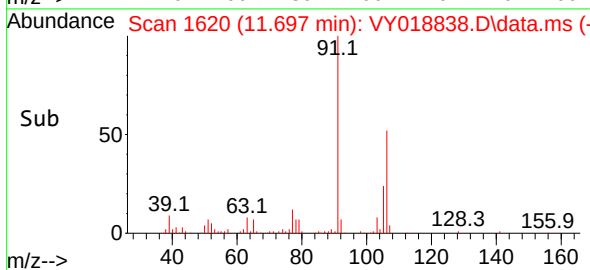
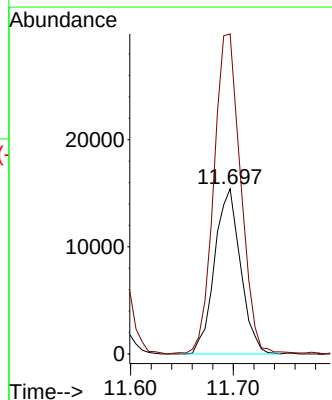
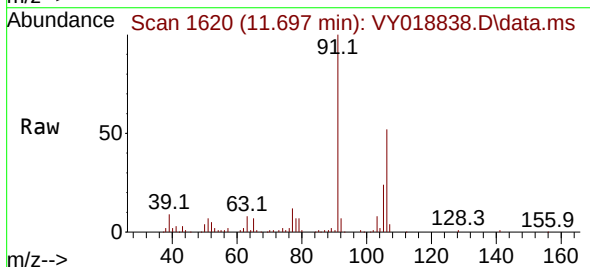
Instrument :
MSVOA_Y
ClientSampleId :

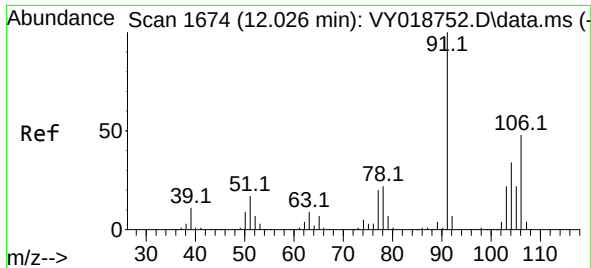
Tgt Ion: 91 Resp: 15308
Ion Ratio Lower Upper
91 100
106 36.2 24.5 36.7



#68
m/p-Xylenes
Concen: 5.644 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

Tgt Ion: 106 Resp: 27032
Ion Ratio Lower Upper
106 100
91 201.0 156.0 234.0

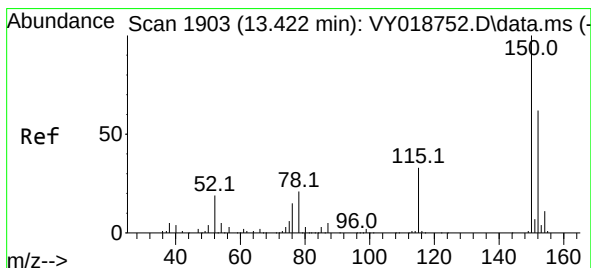
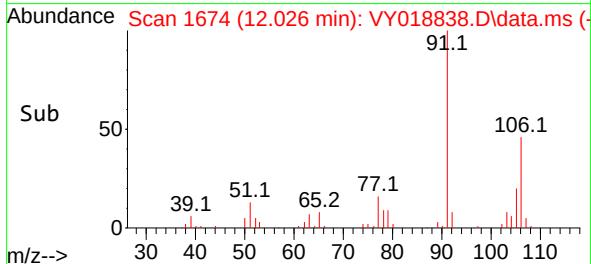
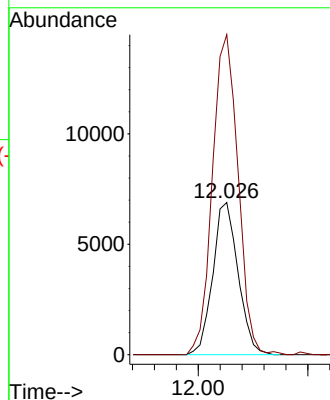
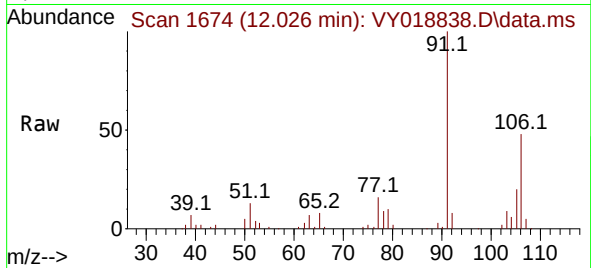




#69
o-Xylene
Concen: 2.450 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

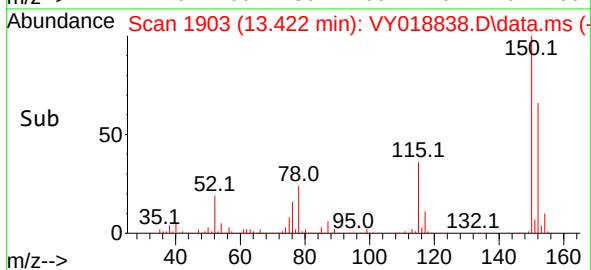
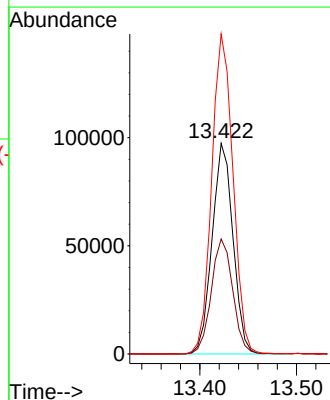
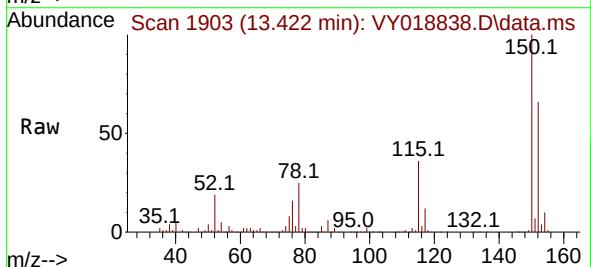
Instrument :
MSVOA_Y
ClientSampleId :

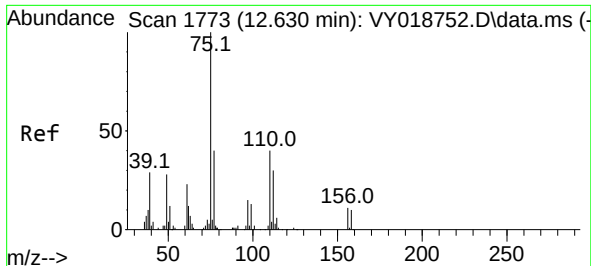
Tgt Ion:106 Resp: 11034
Ion Ratio Lower Upper
106 100
91 213.2 103.6 310.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

Tgt Ion:152 Resp: 146252
Ion Ratio Lower Upper
152 100
115 56.1 28.2 84.7
150 154.5 0.0 345.6

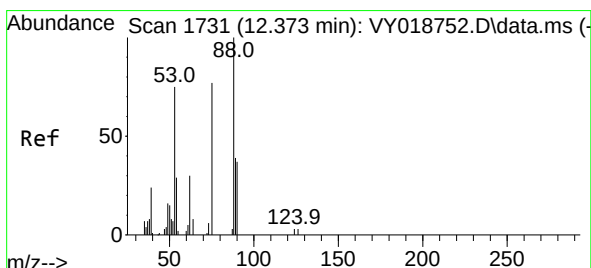
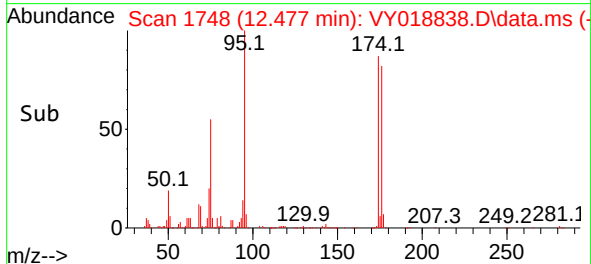
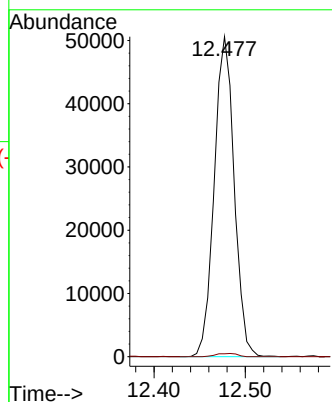
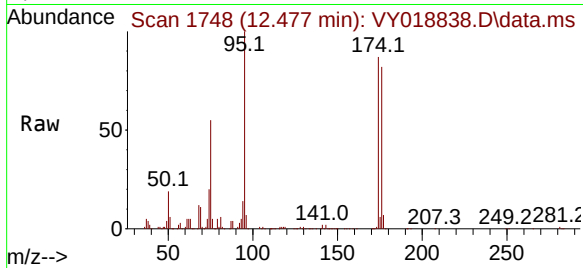




#76
1,2,3-Trichloropropane
Concen: 67.191 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

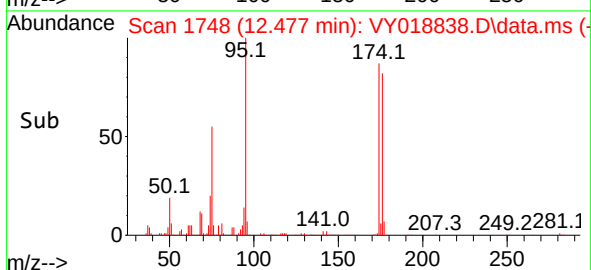
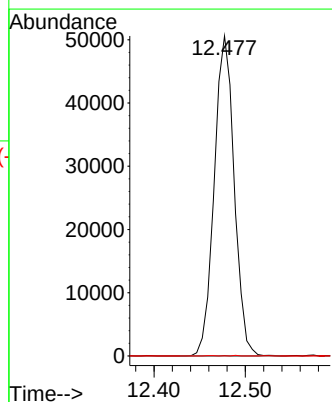
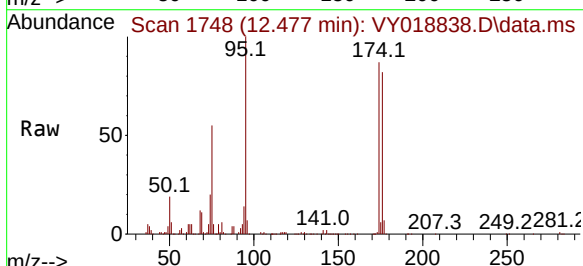
Instrument :
MSVOA_Y
ClientSampleId :

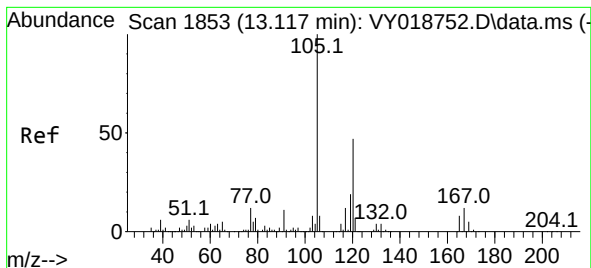
Tgt Ion: 75 Resp: 76966
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 150.378 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

Tgt Ion: 75 Resp: 76966
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 2.608 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY018838.D

Acq: 16 Jul 2024 18:04

Instrument :

MSVOA_Y

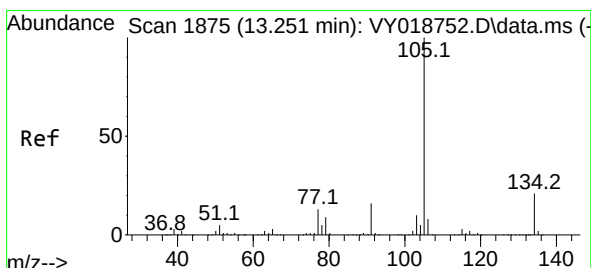
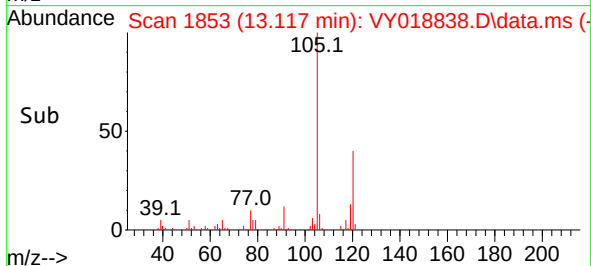
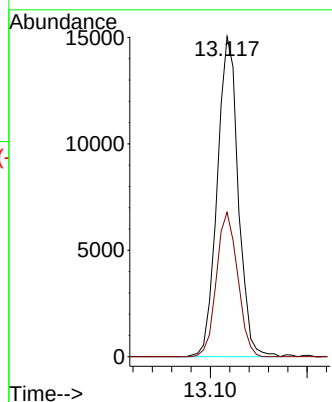
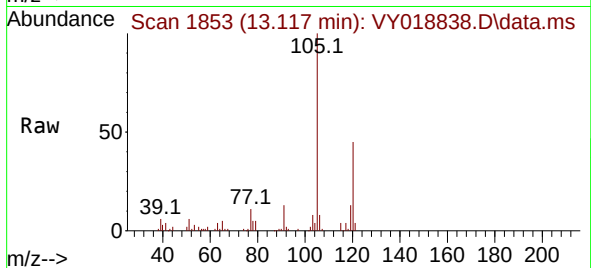
ClientSampleId :

Tgt Ion:105 Resp: 22701

Ion Ratio Lower Upper

105 100

120 45.4 23.2 69.6



#85

sec-Butylbenzene

Concen: 1.978 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.134 min

Lab File: VY018838.D

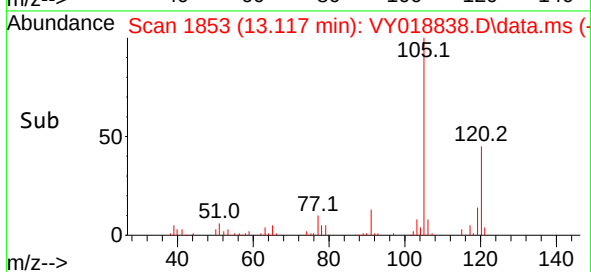
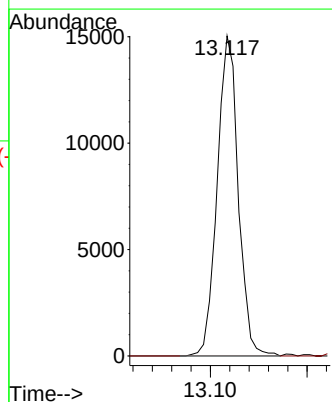
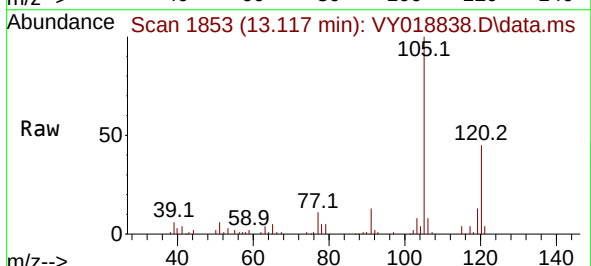
Acq: 16 Jul 2024 18:04

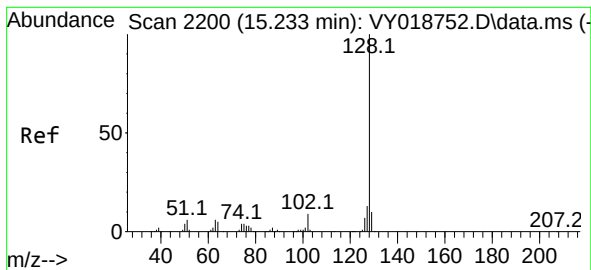
Tgt Ion:105 Resp: 22701

Ion Ratio Lower Upper

105 100

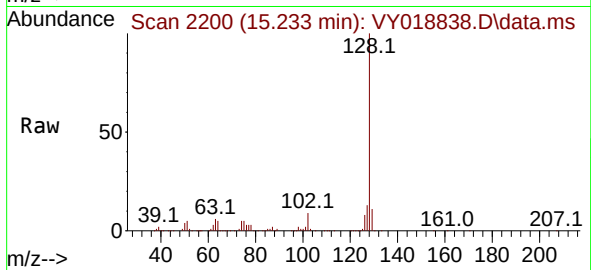
134 0.0 10.1 30.1#





#95
Naphthalene
Concen: 68.722 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY018838.D
Acq: 16 Jul 2024 18:04

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 311994
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 11.0 8.6 13.0

