

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071624\
 Data File : VY018835.D
 Acq On : 16 Jul 2024 16:36
 Operator : SY/MD
 Sample : P3224-13
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 17 01:57:59 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)

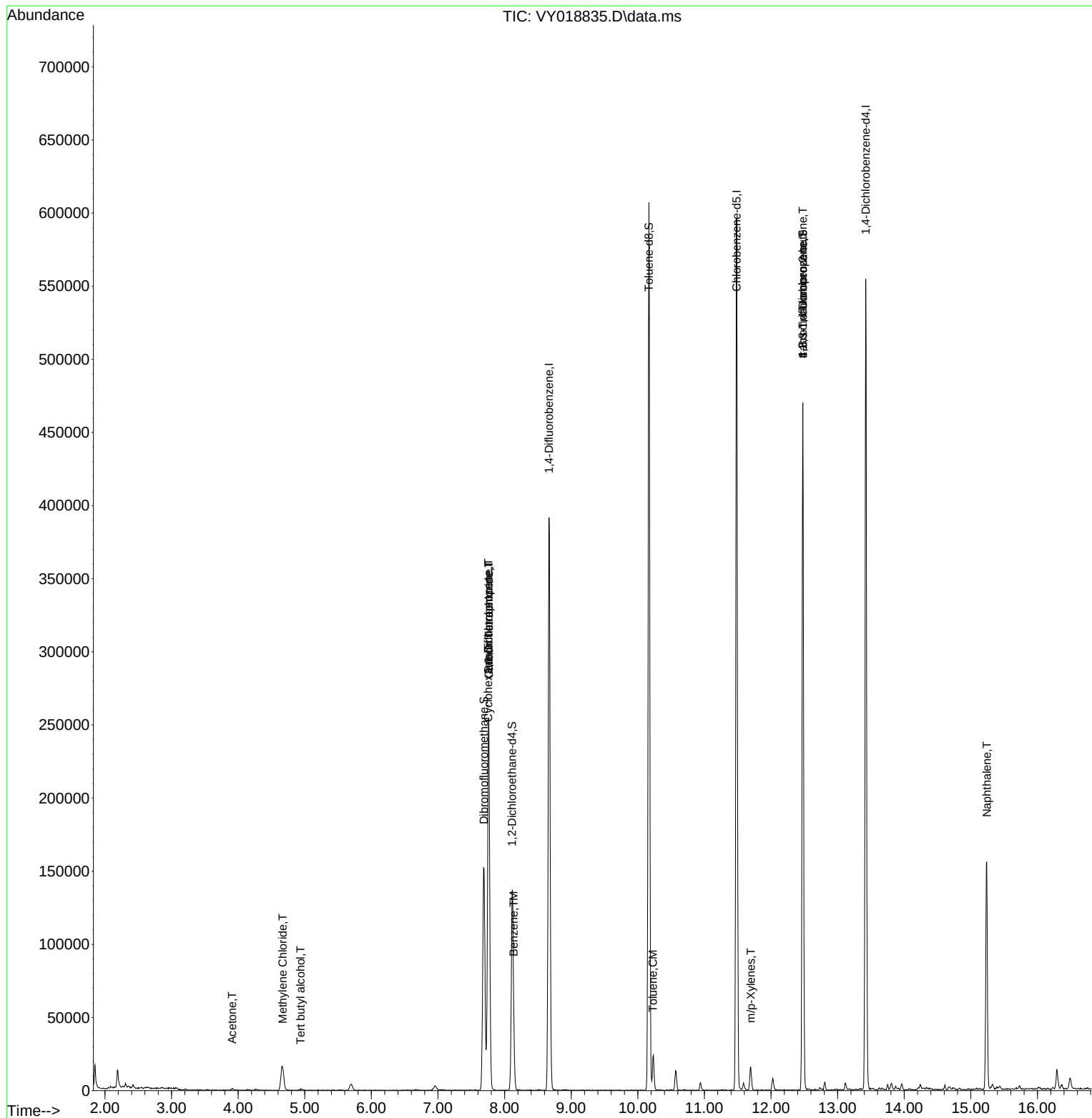
Internal Standards						
1) Pentafluorobenzene	7.758	168	202304	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.667	114	342194	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.483	117	317762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.112	65	101725	51.100	ug/l	-0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.200%			
35) Dibromofluoromethane	7.691	113	106550	49.715	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.420%			
50) Toluene-d8	10.167	98	391669	48.236	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.480%			
62) 4-Bromofluorobenzene	12.477	95	134482	48.498	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.000%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	548	2.717	ug/l	98
16) Acetone	3.912	43	1795	4.891	ug/l #	51
20) Methylene Chloride	4.668	84	12245	1.030	ug/l	92
31) Cyclohexane	7.752	56	4166	1.362	ug/l #	40
36) 1,1-Dichloropropene	7.758	75	13605	4.600	ug/l #	51
38) Carbon Tetrachloride	7.765	117	19057	5.350	ug/l #	16
40) Benzene	8.136	78	10504	1.224	ug/l	97
52) Toluene	10.228	92	9911	1.738	ug/l	95
68) m/p-Xylenes	11.697	106	4900	1.063	ug/l	100
76) 1,2,3-Trichloropropane	12.477	75	74687	68.546	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	74687	153.410	ug/l #	16
95) Naphthalene	15.239	128	129386	29.961	ug/l	99

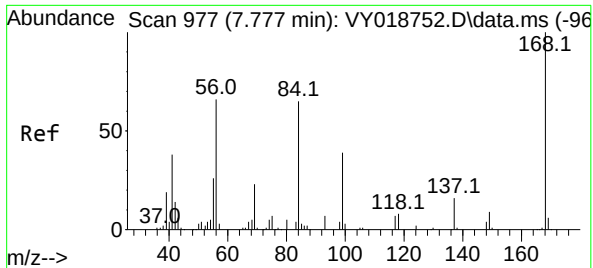
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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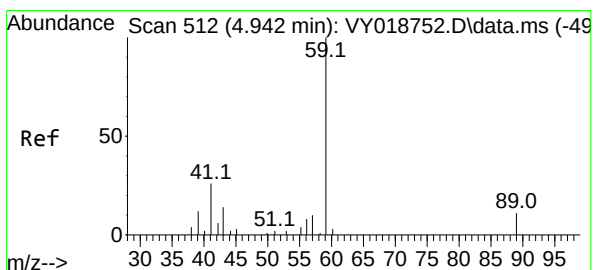
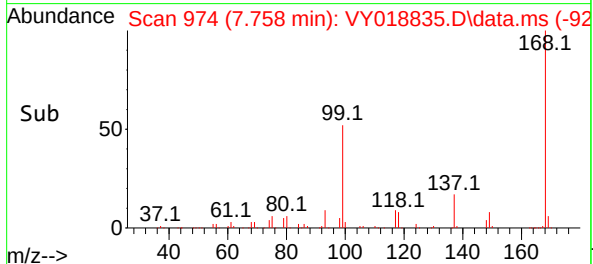
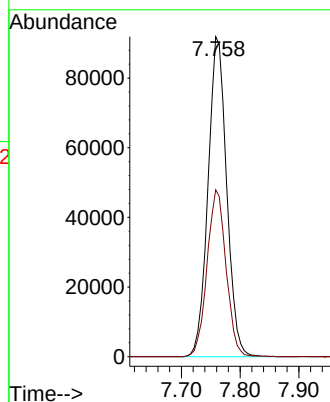
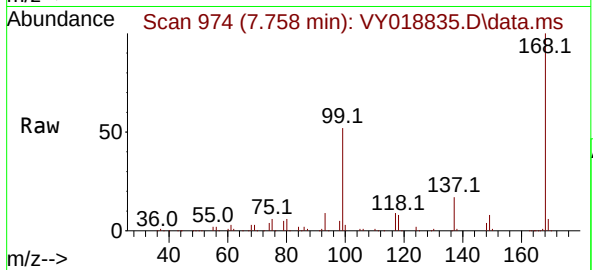




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.758 min Scan# 91
Delta R.T. -0.019 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

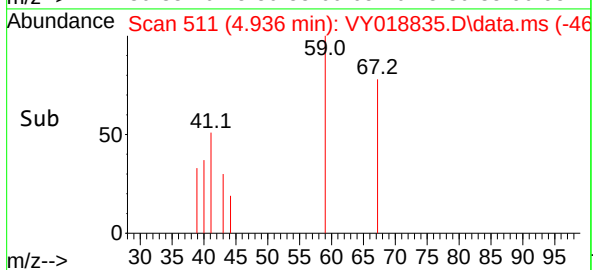
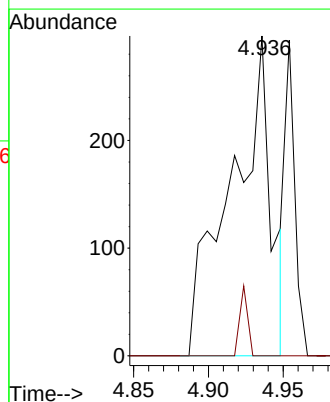
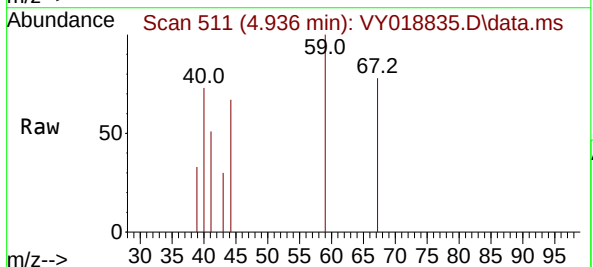
Instrument :
MSVOA_Y
ClientSampleId :

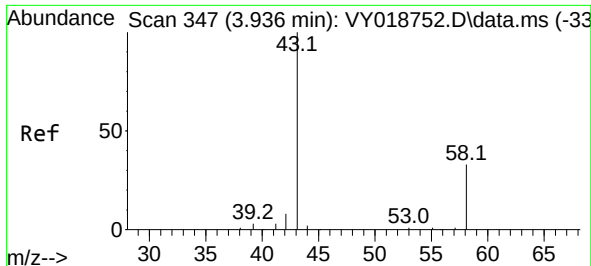
Tgt Ion:168 Resp: 202304
Ion Ratio Lower Upper
168 100
99 52.2 39.1 58.7



#11
Tert butyl alcohol
Concen: 2.717 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

Tgt Ion: 59 Resp: 548
Ion Ratio Lower Upper
59 100
57 4.4 3.0 4.6

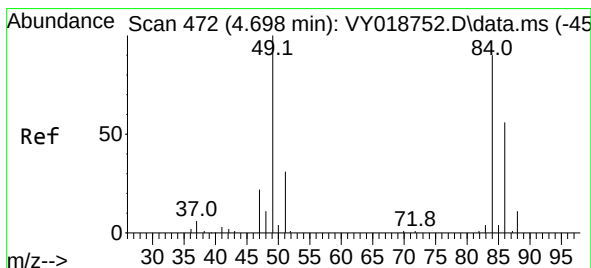
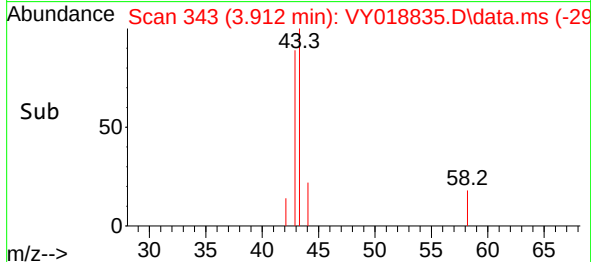
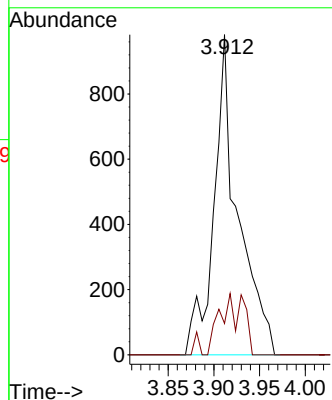
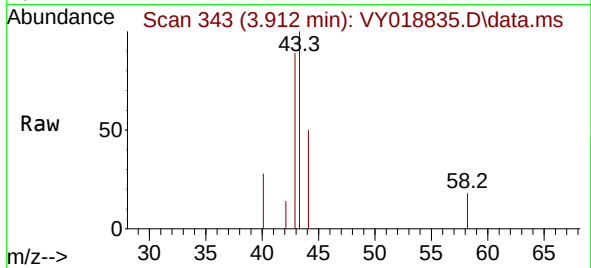




#16
Acetone
Concen: 4.891 ug/l
RT: 3.912 min Scan# 34
Delta R.T. -0.024 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

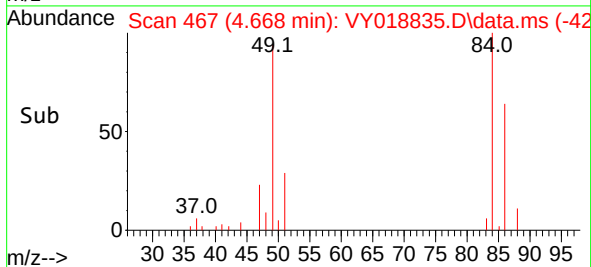
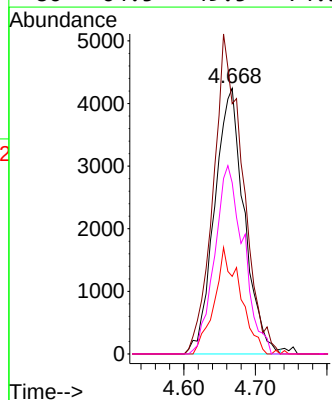
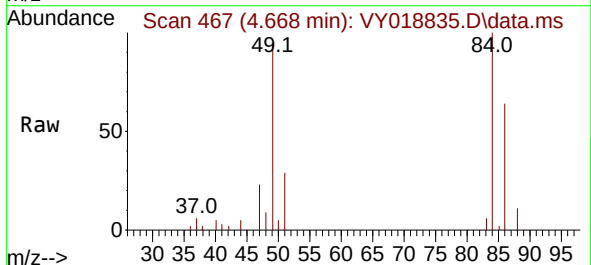
Instrument :
MSVOA_Y
ClientSampleId :

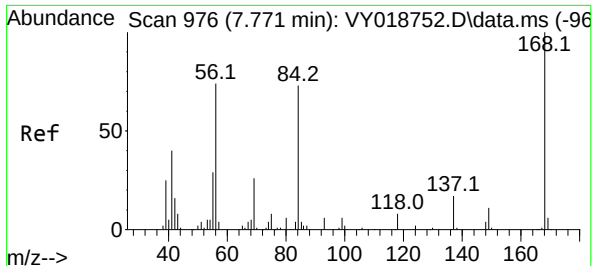
Tgt Ion: 43 Resp: 1795
Ion Ratio Lower Upper
43 100
58 9.8 31.7 47.5#



#20
Methylene Chloride
Concen: 1.030 ug/l
RT: 4.668 min Scan# 467
Delta R.T. -0.030 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

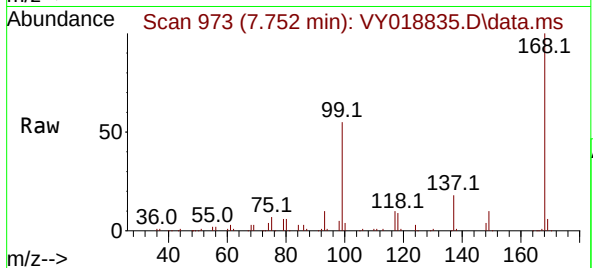
Tgt Ion: 84 Resp: 12245
Ion Ratio Lower Upper
84 100
49 94.2 84.4 126.6
51 29.2 26.0 39.0
86 64.5 49.5 74.3



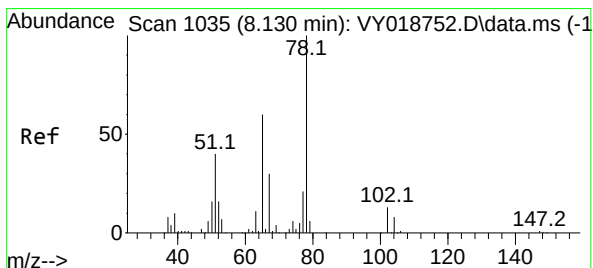
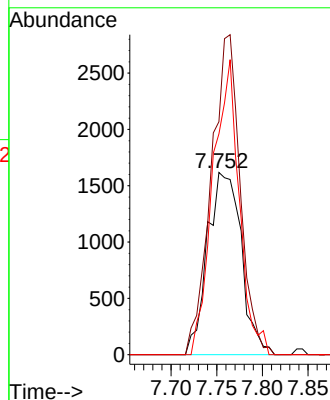
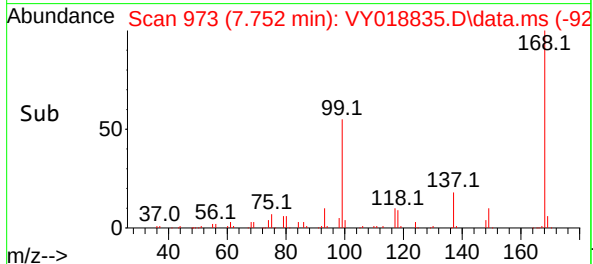


#31
Cyclohexane
Concen: 1.362 ug/l
RT: 7.752 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

Instrument :
MSVOA_Y
ClientSampleId :

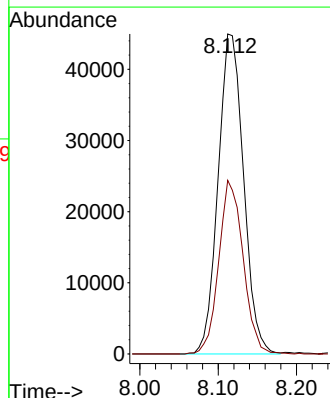
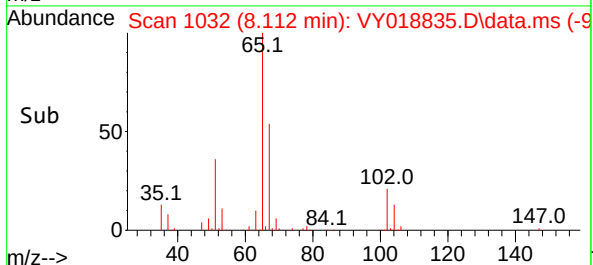
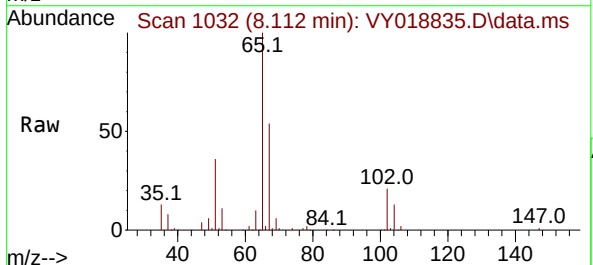


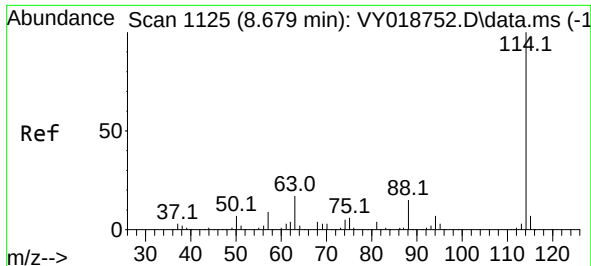
Tgt Ion: 56 Resp: 4166
Ion Ratio Lower Upper
56 100
69 127.9 28.7 43.1#
84 121.2 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 51.100 ug/l
RT: 8.112 min Scan# 1032
Delta R.T. -0.018 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

Tgt Ion: 65 Resp: 101725
Ion Ratio Lower Upper
65 100
67 52.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.667 min Scan# 1125

Delta R.T. -0.012 min

Lab File: VY018835.D

Acq: 16 Jul 2024 16:36

Instrument :

MSVOA_Y

ClientSampleId :

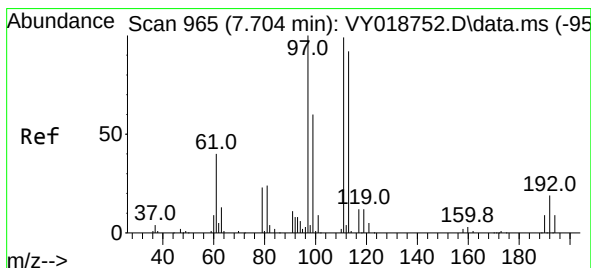
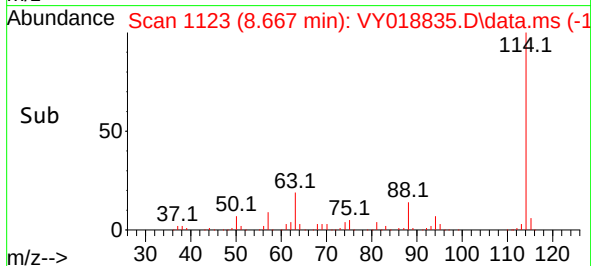
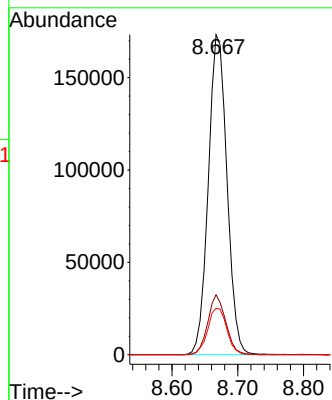
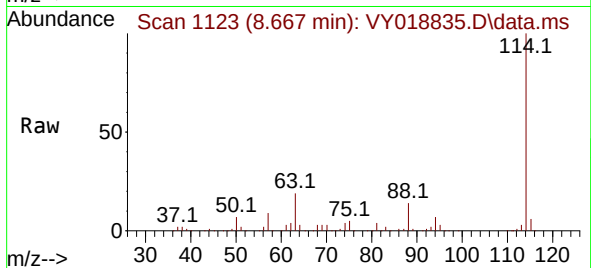
Tgt Ion:114 Resp: 342194

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.0

88 14.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.715 ug/l

RT: 7.691 min Scan# 963

Delta R.T. -0.012 min

Lab File: VY018835.D

Acq: 16 Jul 2024 16:36

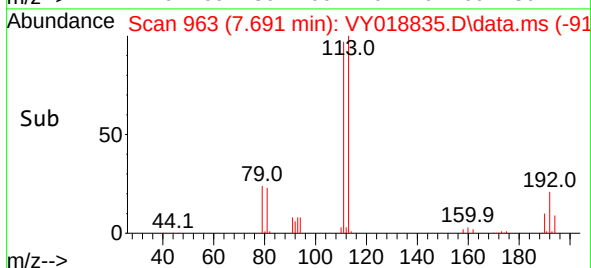
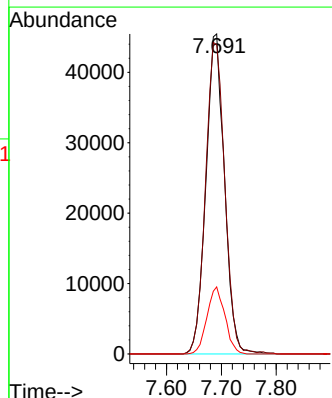
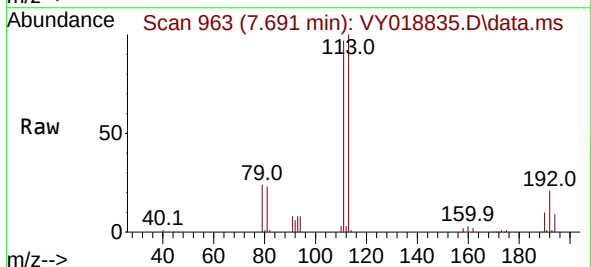
Tgt Ion:113 Resp: 106550

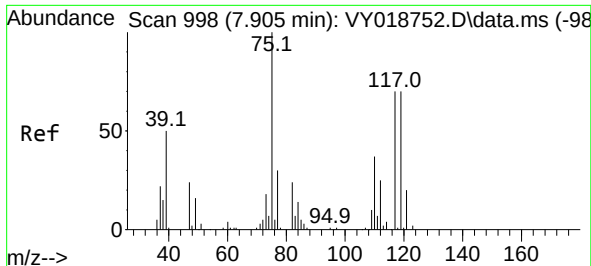
Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.4

192 20.3 15.9 23.9

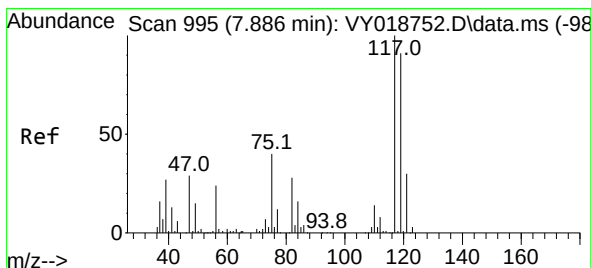
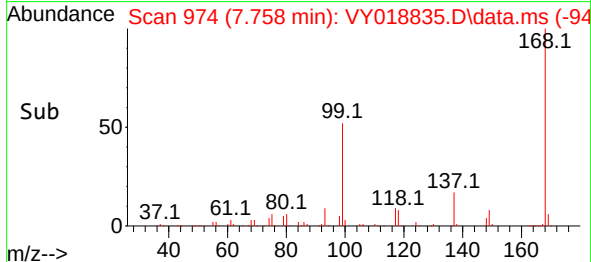
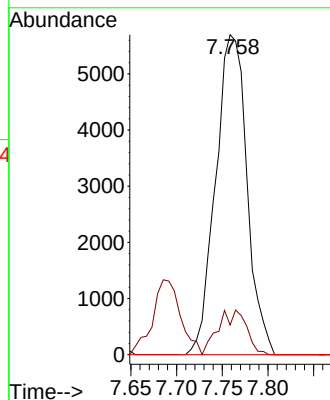
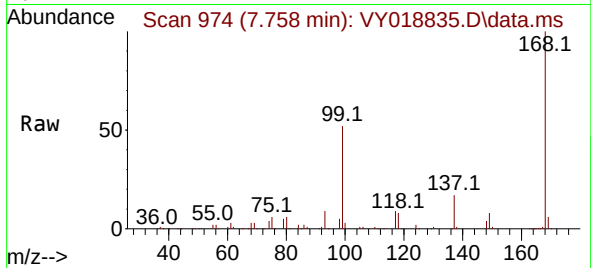




#36
1,1-Dichloropropene
Concen: 4.600 ug/l
RT: 7.758 min Scan# 91
Delta R.T. -0.146 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

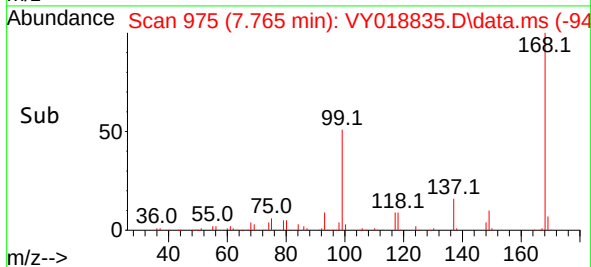
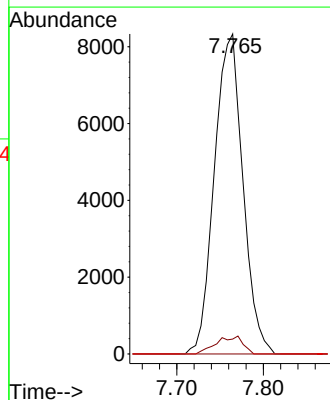
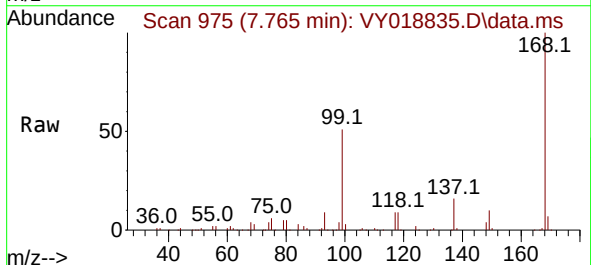
Instrument :
MSVOA_Y
ClientSampleId :

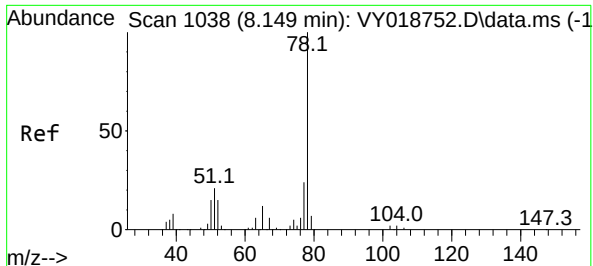
Tgt Ion: 75 Resp: 13605
Ion Ratio Lower Upper
75 100
110 12.6 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.350 ug/l
RT: 7.765 min Scan# 975
Delta R.T. -0.122 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

Tgt Ion:117 Resp: 19057
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 24.0 36.0#

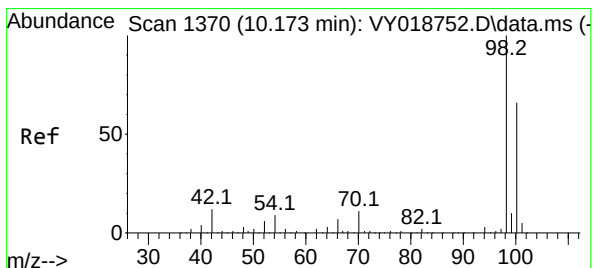
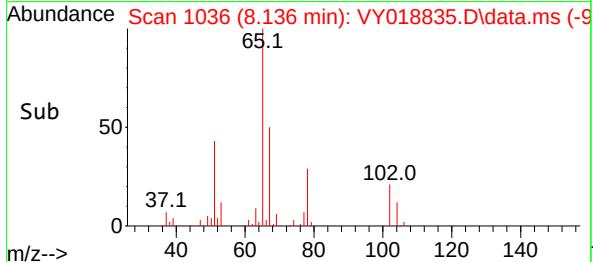
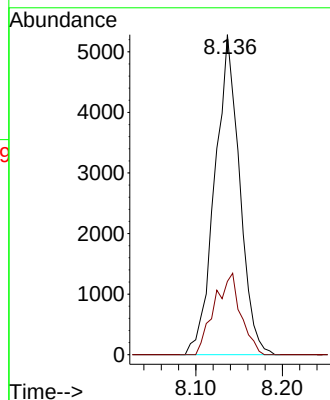
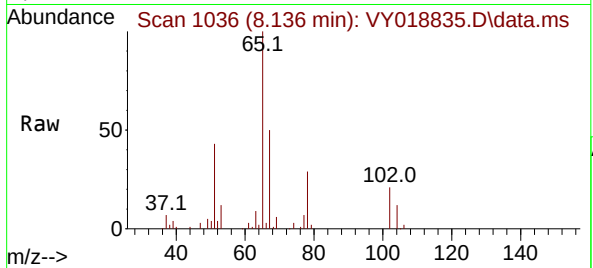




#40
Benzene
Concen: 1.224 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.013 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

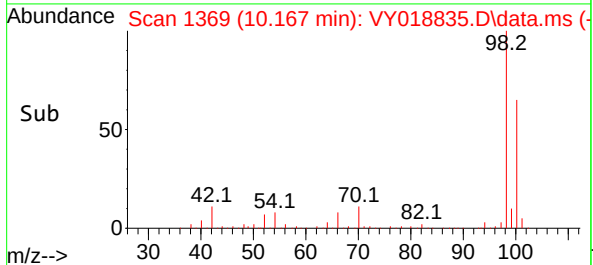
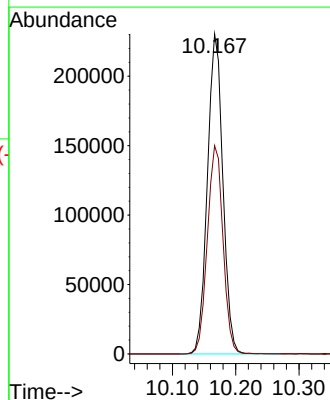
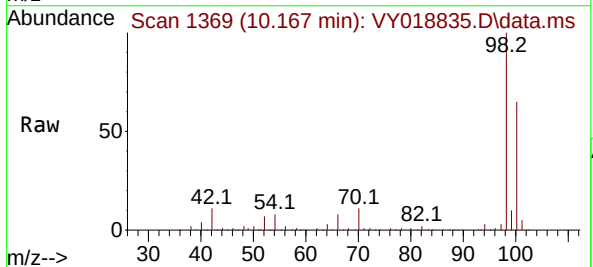
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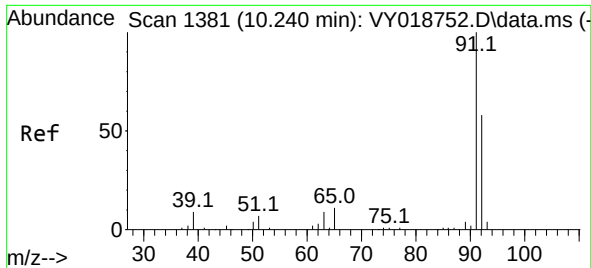
Tgt Ion: 78 Resp: 10504
Ion Ratio Lower Upper
78 100
77 22.9 19.5 29.3



#50
Toluene-d8
Concen: 48.236 ug/l
RT: 10.167 min Scan# 1369
Delta R.T. -0.006 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

Tgt Ion: 98 Resp: 391669
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0

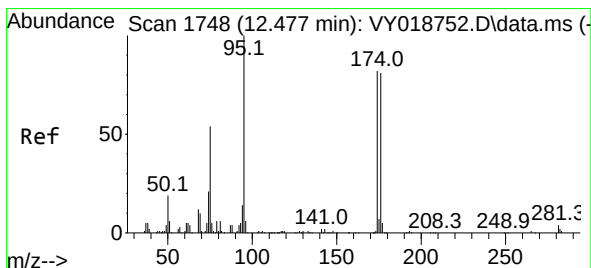
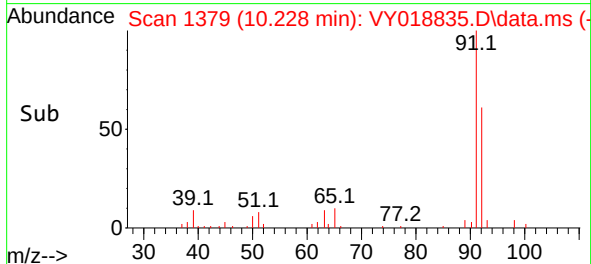
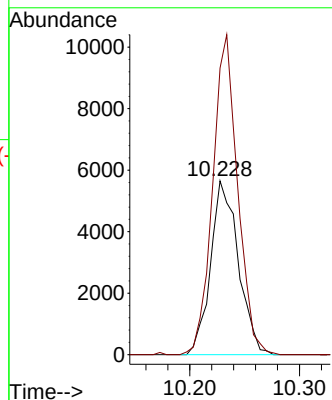
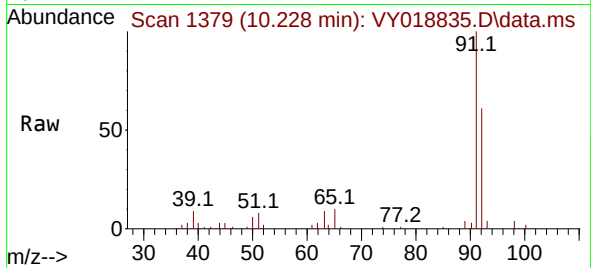




#52
Toluene
Concen: 1.738 ug/l
RT: 10.228 min Scan# 1379
Delta R.T. -0.012 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

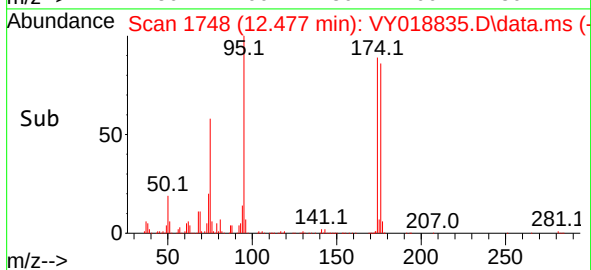
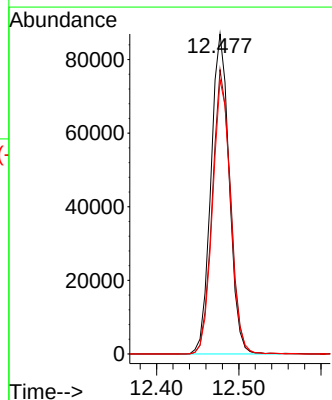
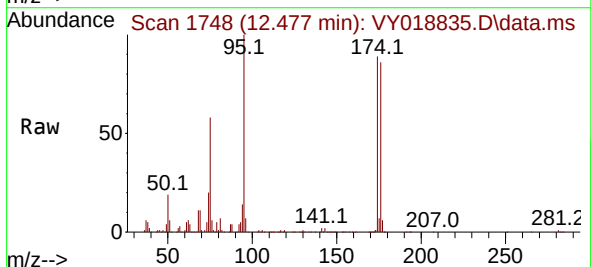
Instrument :
MSVOA_Y
ClientSampleId :

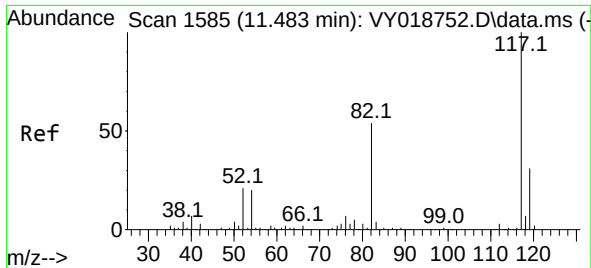
Tgt Ion: 92 Resp: 9911
Ion Ratio Lower Upper
92 100
91 166.2 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 48.498 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

Tgt Ion: 95 Resp: 134482
Ion Ratio Lower Upper
95 100
174 88.2 0.0 175.6
176 84.5 0.0 171.4

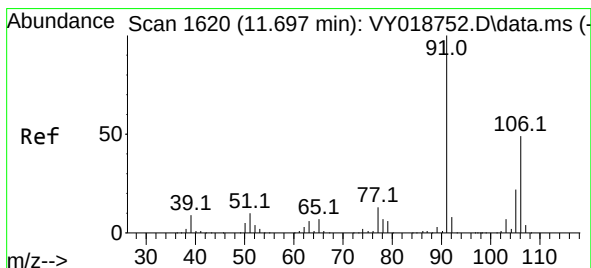
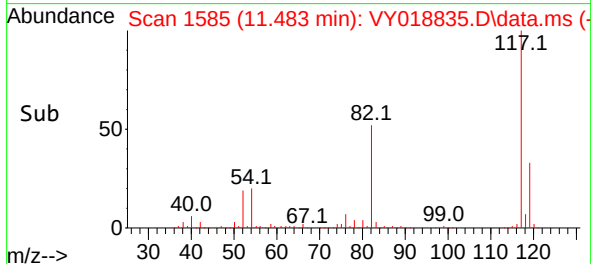
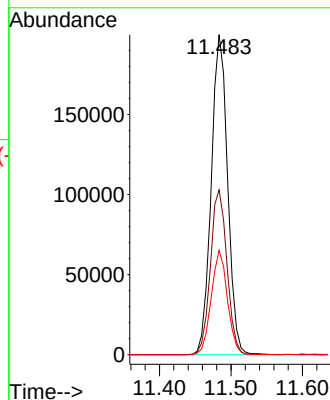
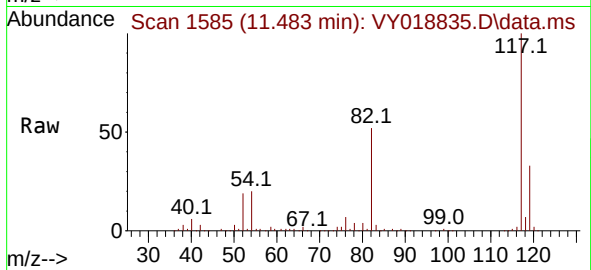




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

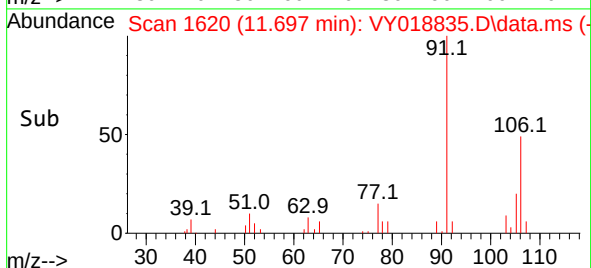
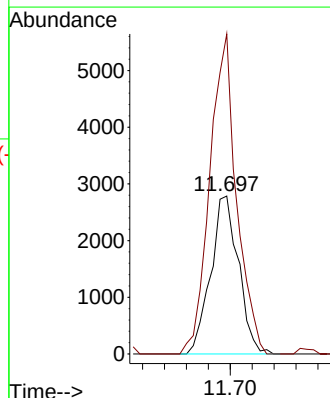
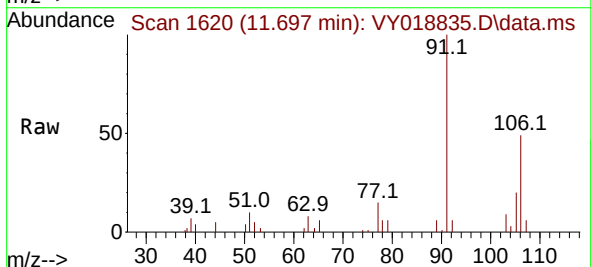
Instrument :
MSVOA_Y
ClientSampleId :

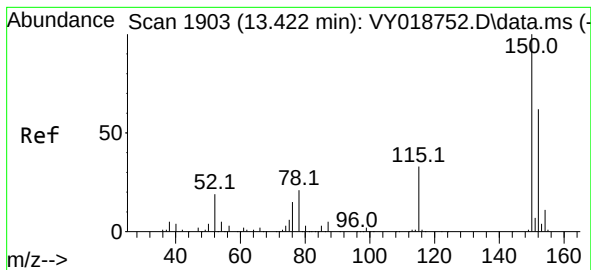
Tgt Ion:117 Resp: 317762
Ion Ratio Lower Upper
117 100
82 51.5 42.4 63.6
119 32.6 25.9 38.9



#68
m/p-Xylenes
Concen: 1.063 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

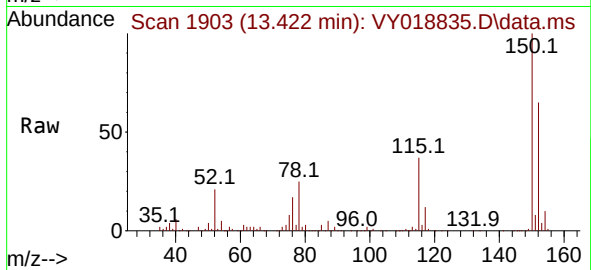
Tgt Ion:106 Resp: 4900
Ion Ratio Lower Upper
106 100
91 195.5 156.0 234.0



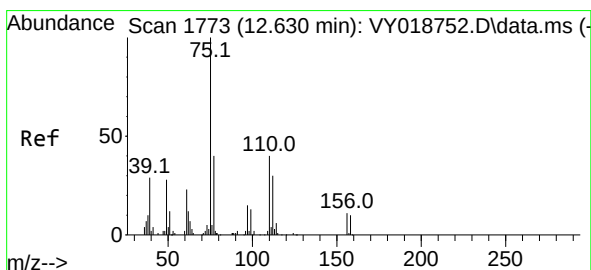
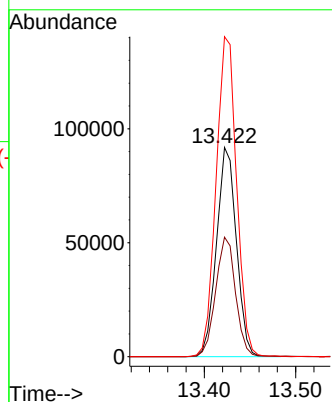
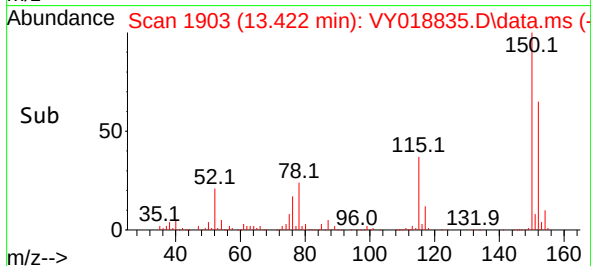


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY018835.D
 Acq: 16 Jul 2024 16:36

Instrument :
 MSVOA_Y
 ClientSampleId :

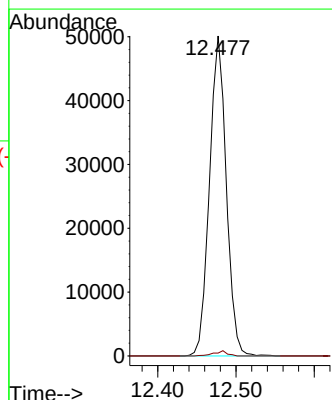
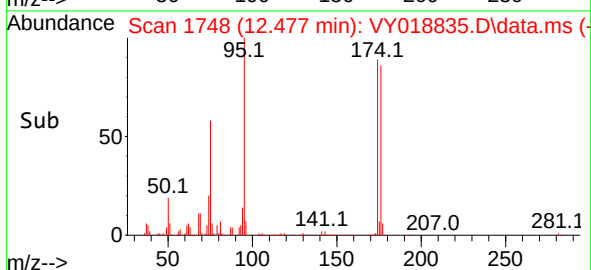
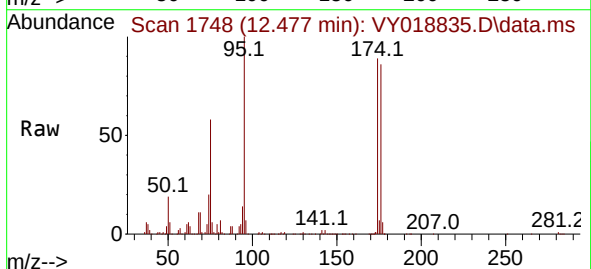


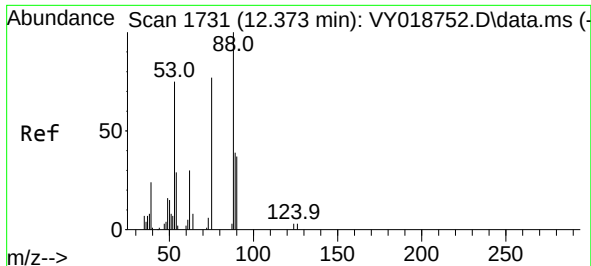
Tgt Ion:152 Resp: 139117
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.2 84.7
 150 157.7 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 68.546 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY018835.D
 Acq: 16 Jul 2024 16:36

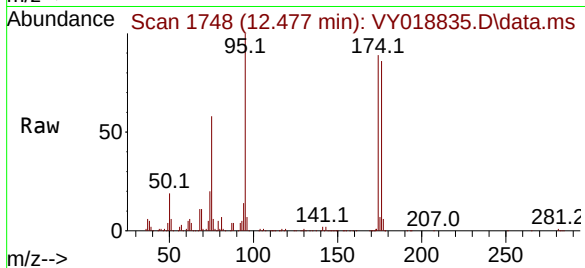
Tgt Ion: 75 Resp: 74687
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



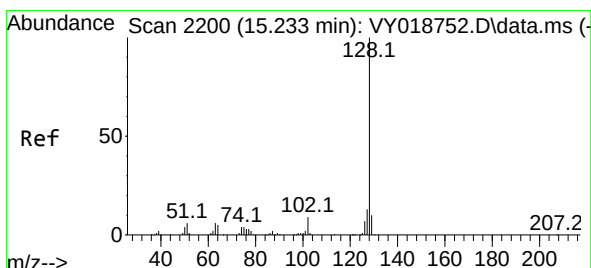
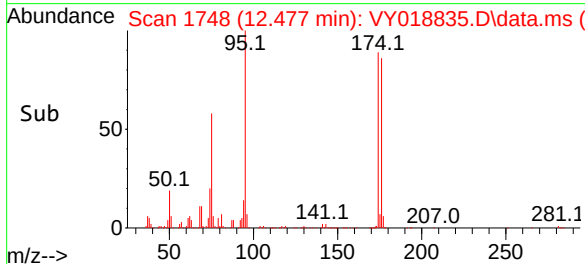
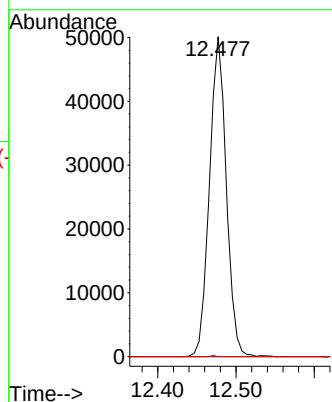


#81
trans-1,4-Dichloro-2-butene
Concen: 153.410 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	75	Resp:	74687
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.1	35.8	53.6#



#95
Naphthalene
Concen: 29.961 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

Tgt Ion:	128	Resp:	129386
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.4	8.6	13.0

