

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030824\
 Data File : VY017625.D
 Acq On : 08 Mar 2024 17:11
 Operator : SY/MD
 Sample : P1720-03RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3471RE

Quant Time: Mar 08 22:25:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

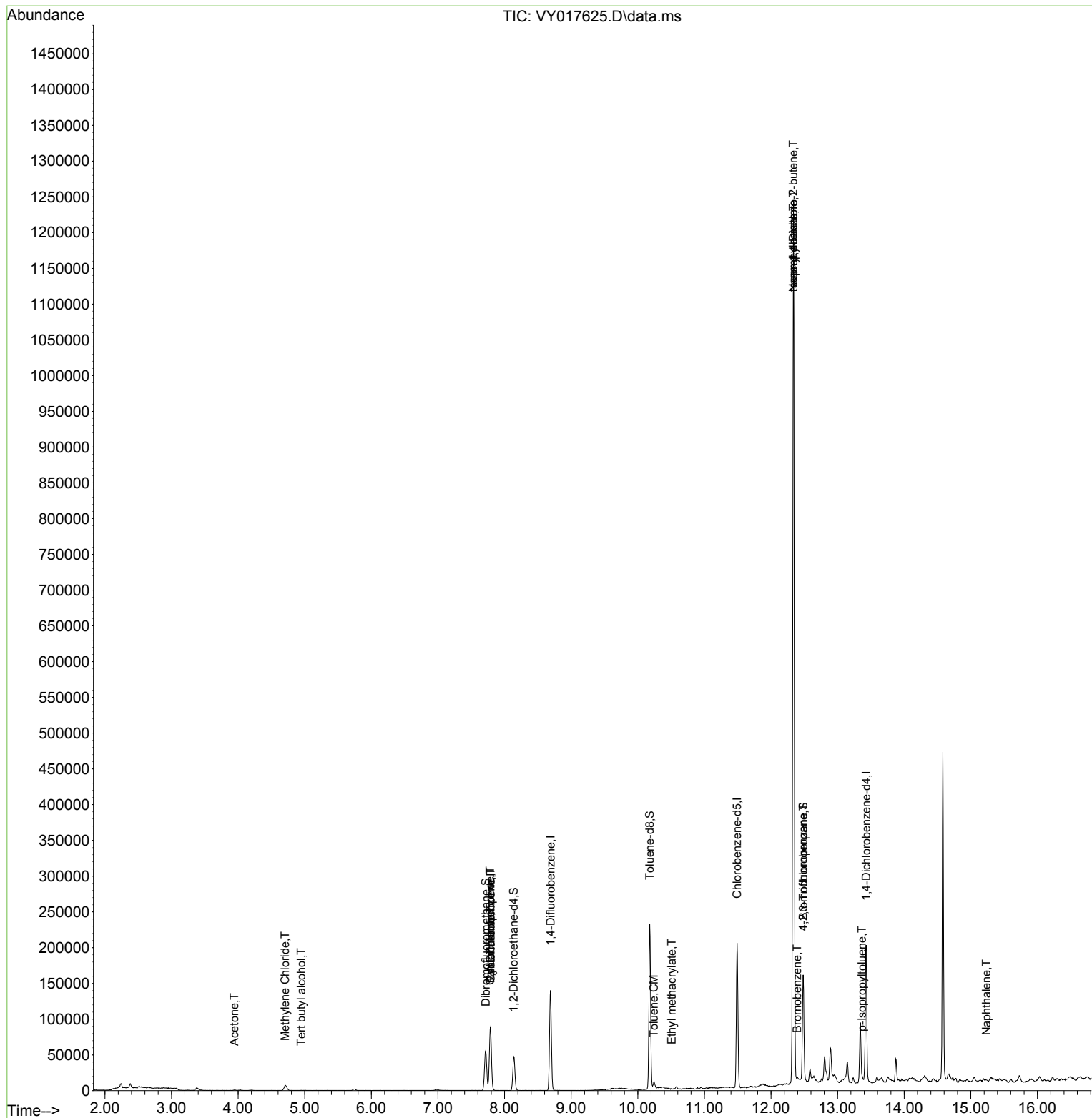
Internal Standards						
1) Pentafluorobenzene	7.789	168	69699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	123001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	114109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	46157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	35320	53.470	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.940%	
35) Dibromofluoromethane	7.716	113	39621	46.226	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.460%	
50) Toluene-d8	10.179	98	154271	51.479	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.960%	
62) 4-Bromofluorobenzene	12.483	95	44607	47.363	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	177	3.154	ug/l #	88
16) Acetone	3.942	43	1183	9.233	ug/l #	36
20) Methylene Chloride	4.704	84	5864	2.597	ug/l	97
31) Cyclohexane	7.789	56	1410	1.312	ug/l #	42
36) 1,1-Dichloropropene	7.789	75	5614	4.855	ug/l #	46
38) Carbon Tetrachloride	7.783	117	6443	5.559	ug/l #	17
52) Toluene	10.240	92	3391	1.566	ug/l	93
56) Ethyl methacrylate	10.508	69	172	2.737	ug/l #	69
73) Isopropylbenzene	12.337	105	45980	13.409	ug/l #	63
74) N-amyl acetate	12.337	43	20814	34.414	ug/l #	9
76) 1,2,3-Trichloropropane	12.483	75	23765	54.189	ug/l #	100
77) Bromobenzene	12.392	156	11000	13.246	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.337	75	1656	8.676	ug/l #	1
86) p-Isopropyltoluene	13.367	119	4246	1.406	ug/l #	72
95) Naphthalene	15.233	128	809	4.431	ug/l #	68

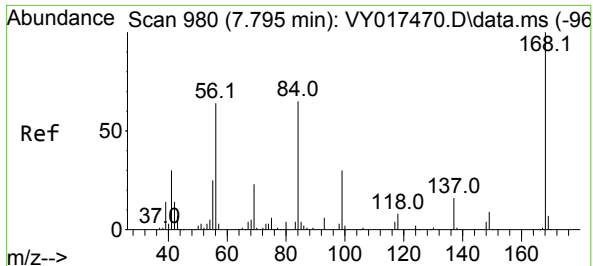
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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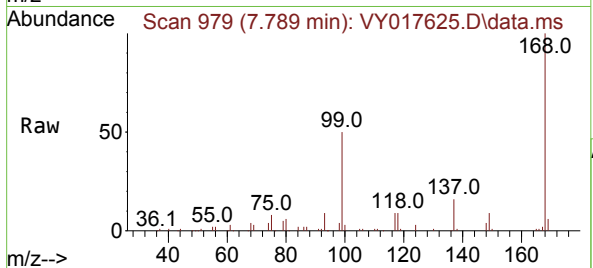
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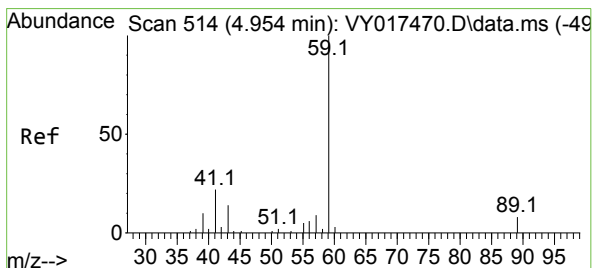
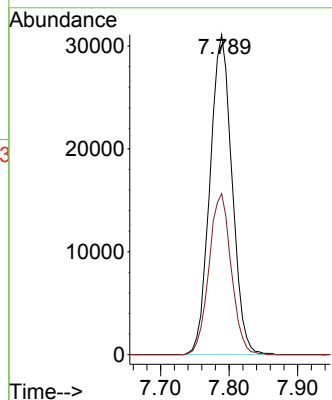
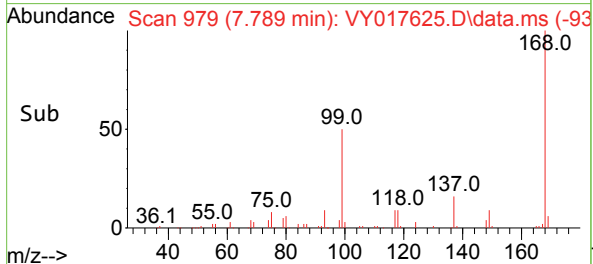


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

Instrument :
MSVOA_Y
ClientSampleId :
RT3471RE

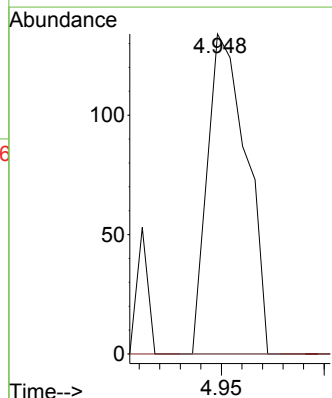
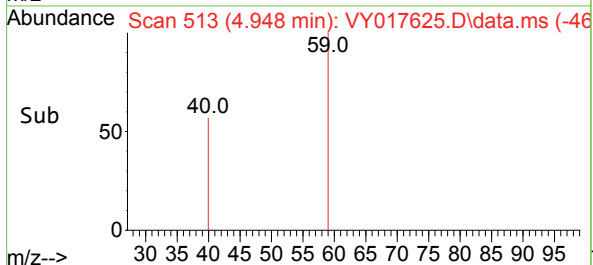
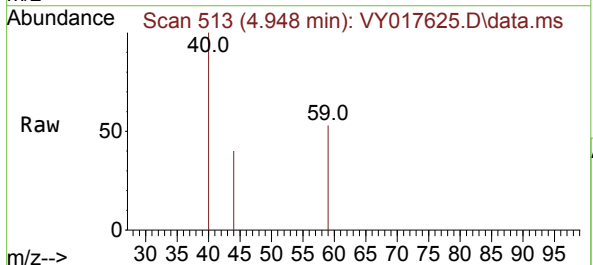


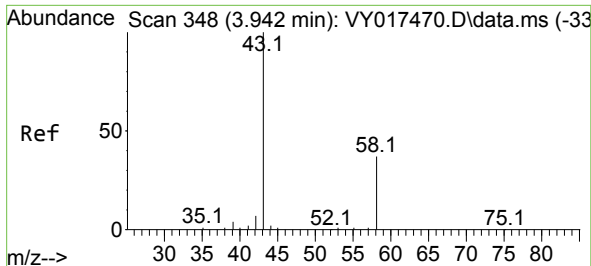
Tgt Ion:168 Resp: 69699
Ion Ratio Lower Upper
168 100
99 50.3 39.1 58.7



#11
Tert butyl alcohol
Concen: 3.154 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

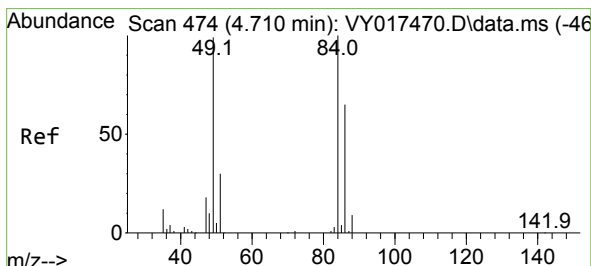
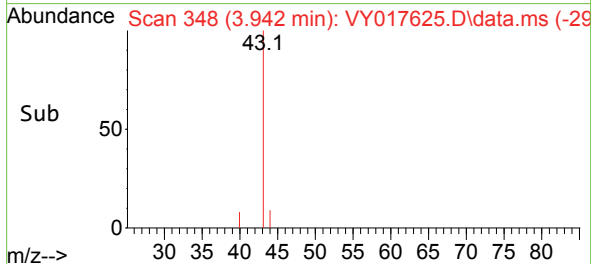
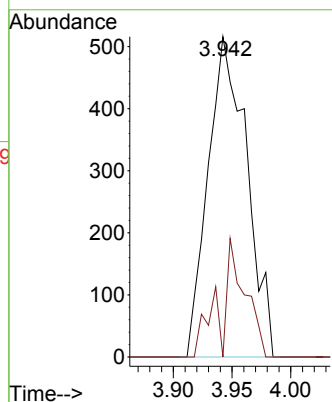
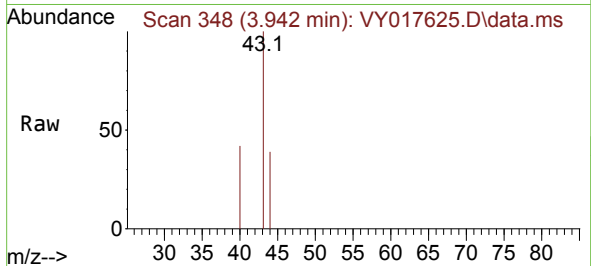




#16
Acetone
Concen: 9.233 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

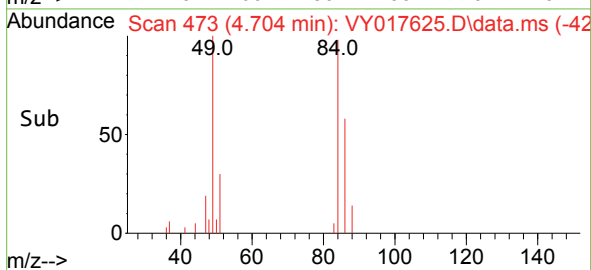
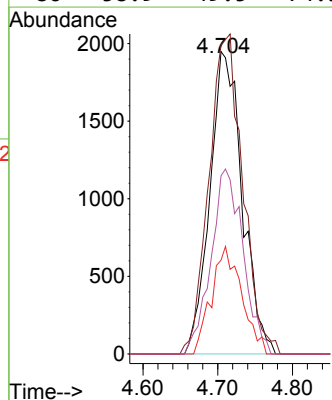
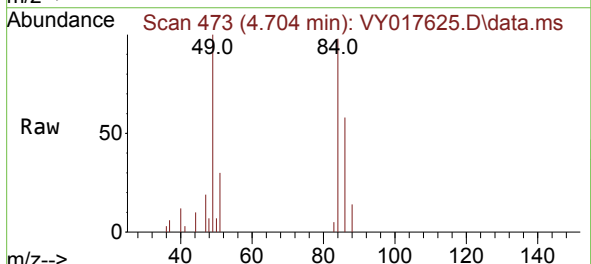
Instrument :
MSVOA_Y
ClientSampleId :
RT3471RE

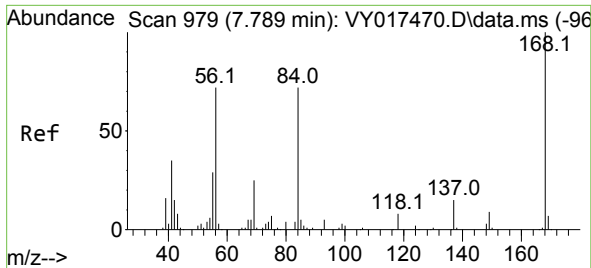
Tgt Ion: 43 Resp: 1183
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#20
Methylene Chloride
Concen: 2.597 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

Tgt Ion: 84 Resp: 5864
Ion Ratio Lower Upper
84 100
49 102.1 84.4 126.6
51 31.0 26.0 39.0
86 58.9 49.5 74.3

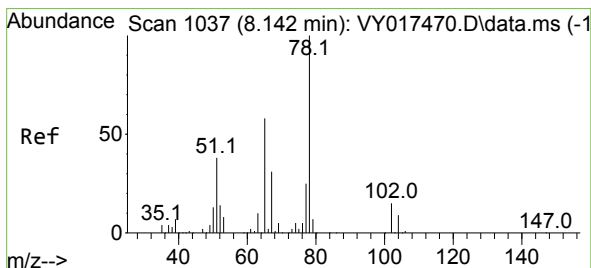
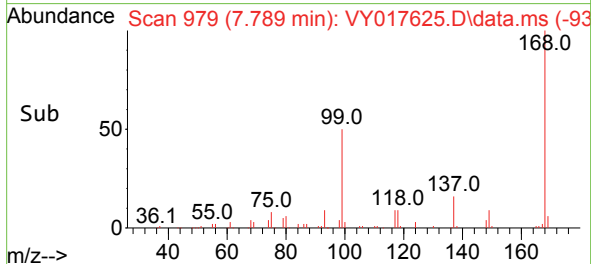
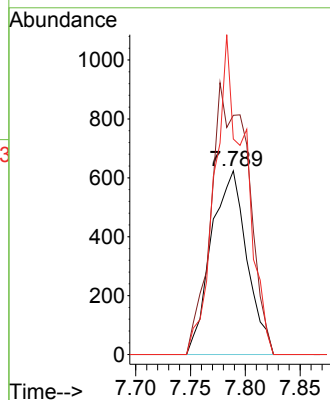
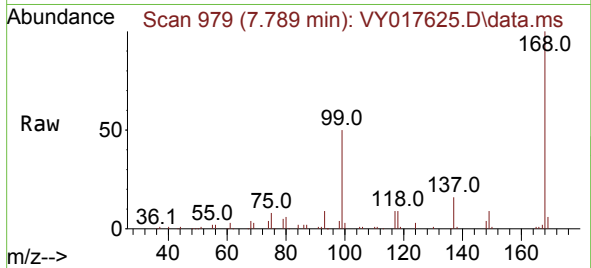




#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

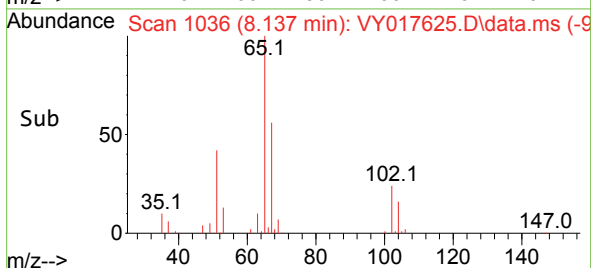
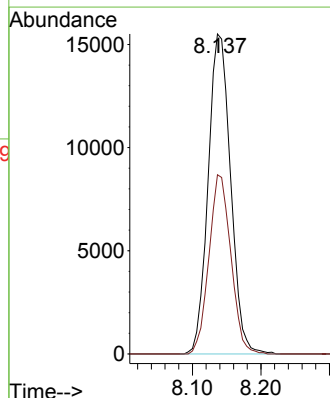
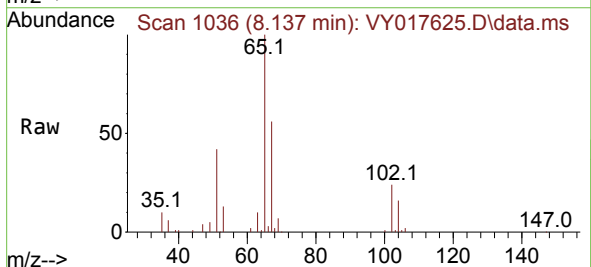
Instrument :
MSVOA_Y
ClientSampleId :
RT3471RE

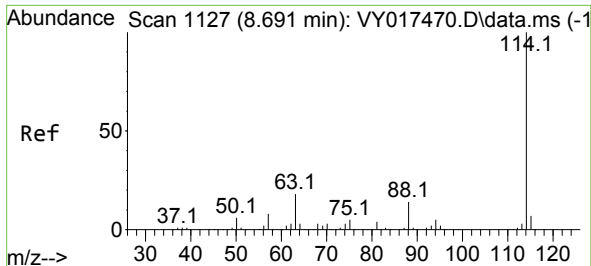
Tgt Ion: 56 Resp: 1410
Ion Ratio Lower Upper
56 100
69 130.1 28.7 43.1#
84 117.3 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 53.470 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

Tgt Ion: 65 Resp: 35320
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017625.D

Acq: 08 Mar 2024 17:11

Instrument :

MSVOA_Y

ClientSampleId :

RT3471RE

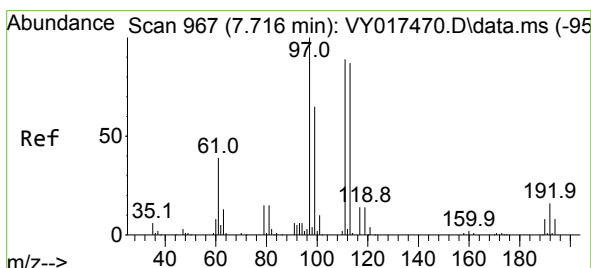
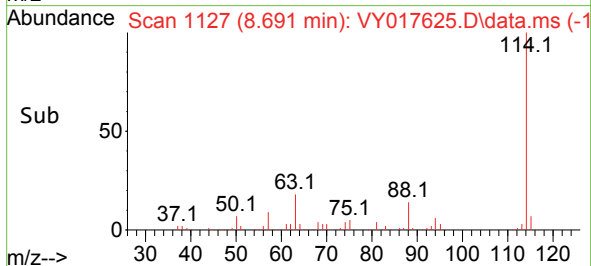
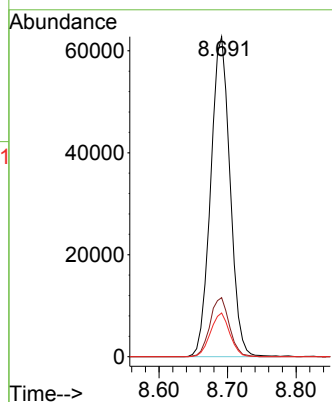
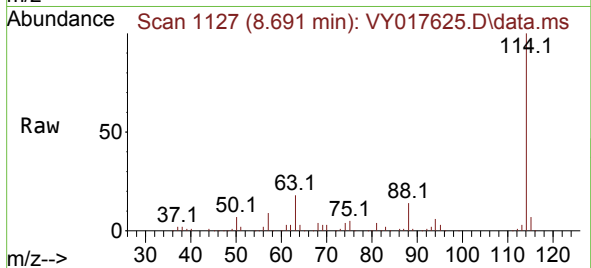
Tgt Ion:114 Resp: 123001

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.0

88 13.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 46.226 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY017625.D

Acq: 08 Mar 2024 17:11

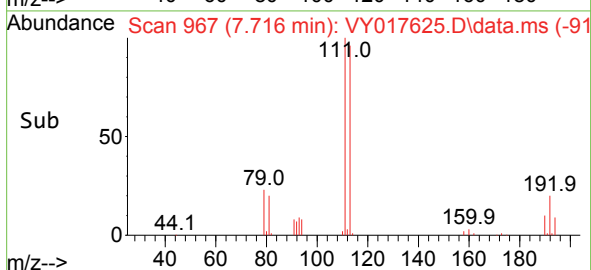
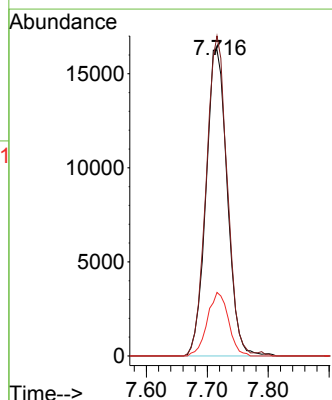
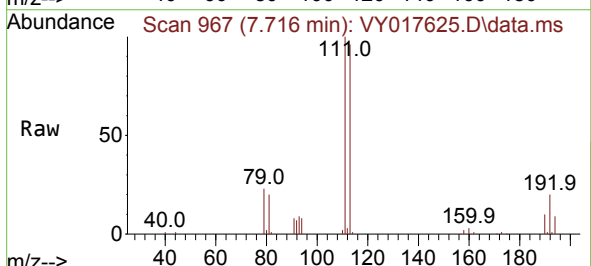
Tgt Ion:113 Resp: 39621

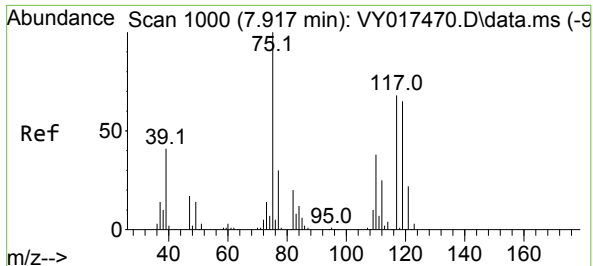
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 20.6 15.9 23.9

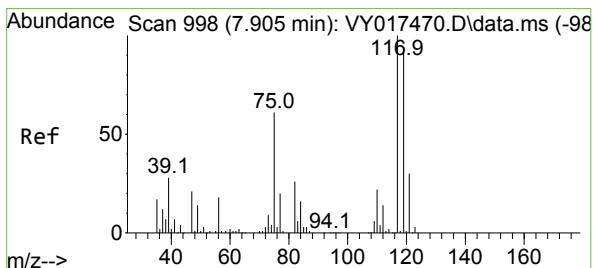
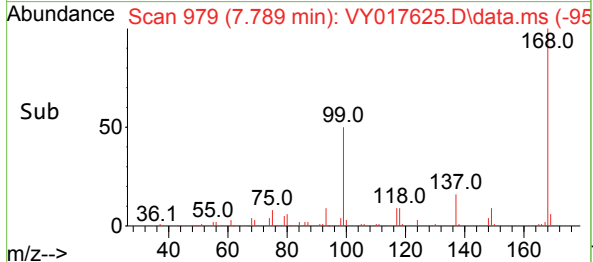
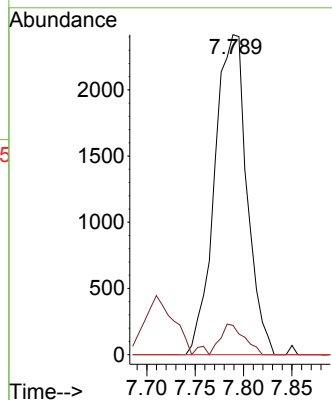
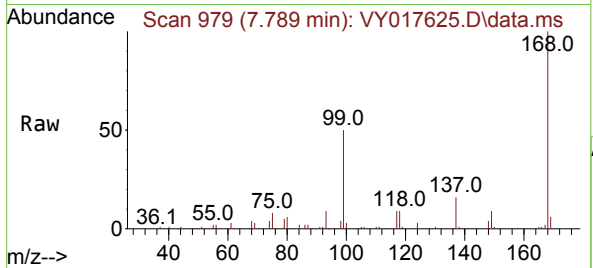




#36
1,1-Dichloropropene
Concen: 4.855 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

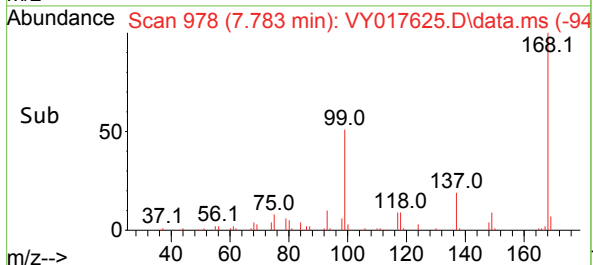
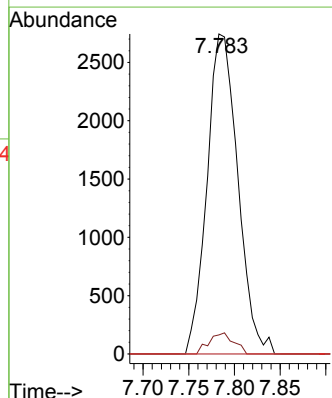
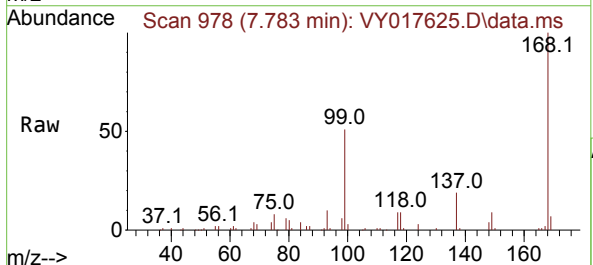
Instrument :
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RT3471RE

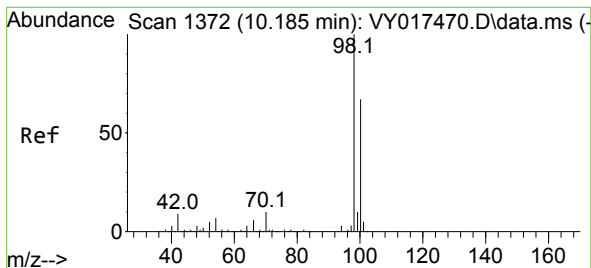
Tgt Ion: 75 Resp: 5614
Ion Ratio Lower Upper
75 100
110 7.4 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.559 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

Tgt Ion: 117 Resp: 6443
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 51.479 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY017625.D

Acq: 08 Mar 2024 17:11

Instrument :

MSVOA_Y

ClientSampleId :

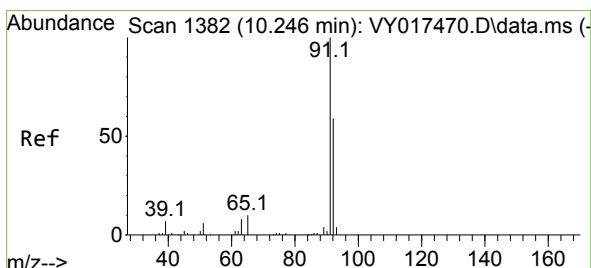
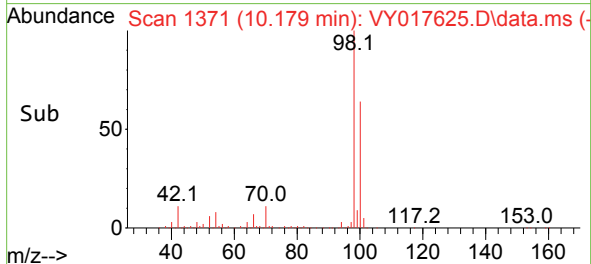
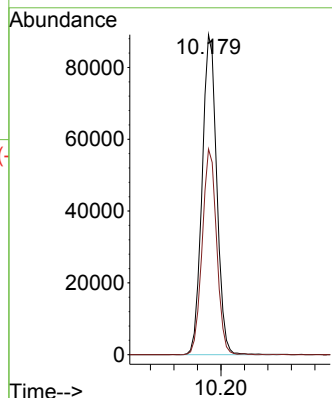
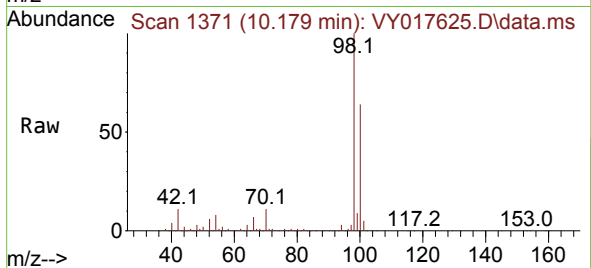
RT3471RE

Tgt Ion: 98 Resp: 154271

Ion Ratio Lower Upper

98 100

100 63.3 52.0 78.0



#52

Toluene

Concen: 1.566 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.006 min

Lab File: VY017625.D

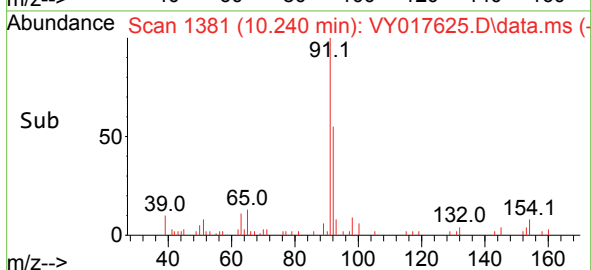
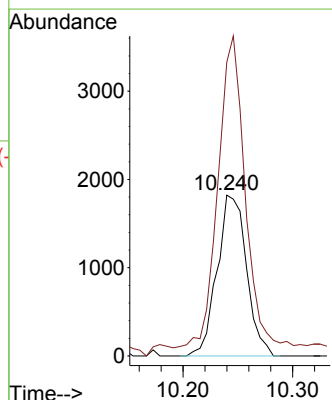
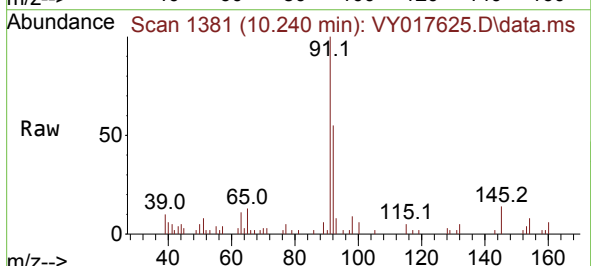
Acq: 08 Mar 2024 17:11

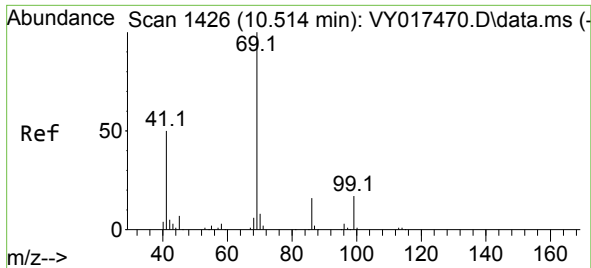
Tgt Ion: 92 Resp: 3391

Ion Ratio Lower Upper

92 100

91 183.8 139.0 208.6

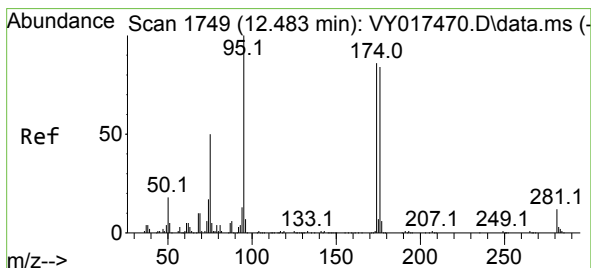
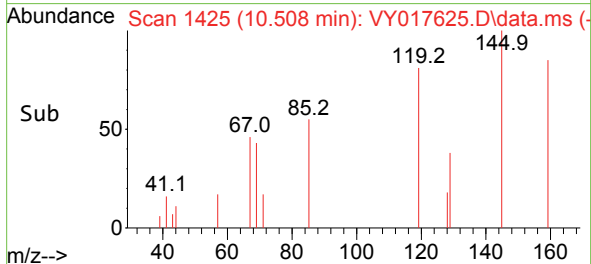
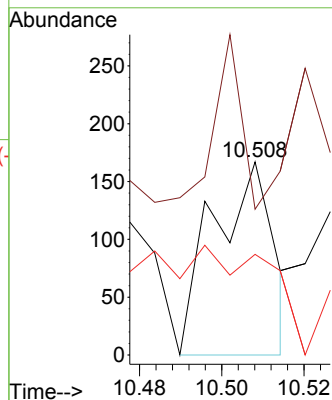
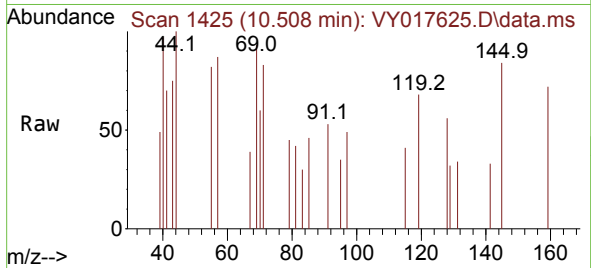




#56
Ethyl methacrylate
Concen: 2.737 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

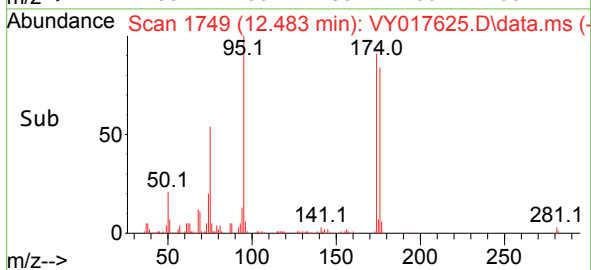
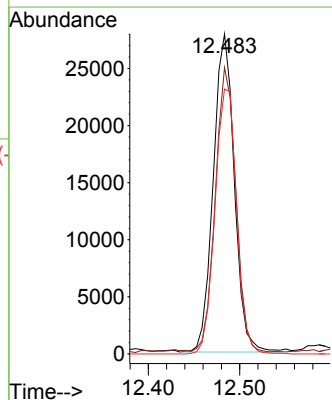
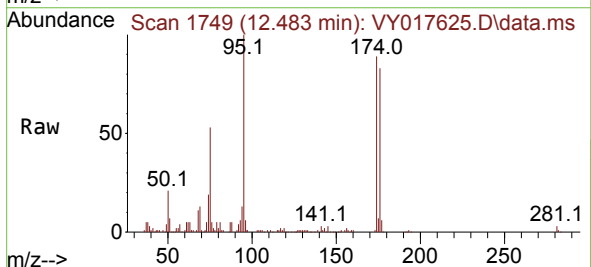
Instrument :
MSVOA_Y
ClientSampleId :
RT3471RE

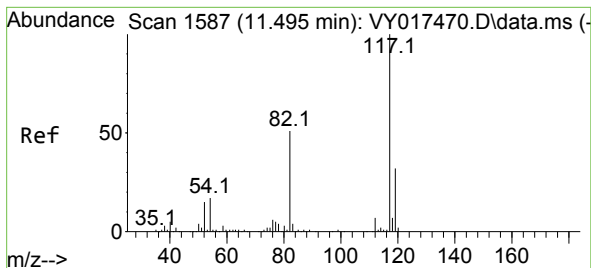
Tgt Ion: 69 Resp: 172
Ion Ratio Lower Upper
69 100
41 40.1 42.3 63.5#
39 0.0 22.9 34.3#



#62
4-Bromofluorobenzene
Concen: 47.363 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

Tgt Ion: 95 Resp: 44607
Ion Ratio Lower Upper
95 100
174 86.8 0.0 175.6
176 85.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017625.D

Acq: 08 Mar 2024 17:11

Instrument :

MSVOA_Y

ClientSampleId :

RT3471RE

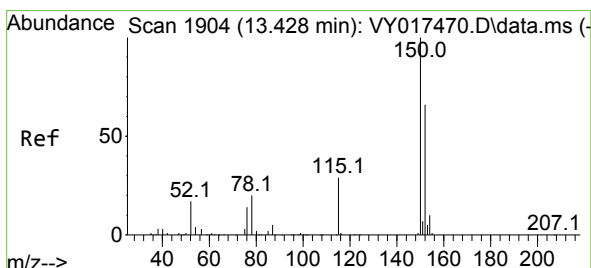
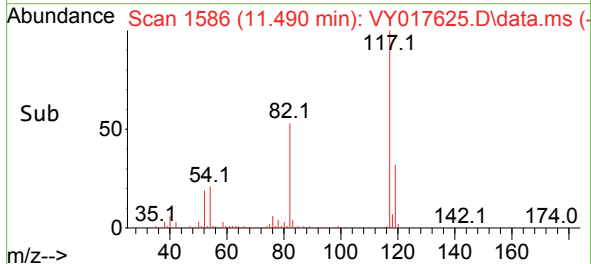
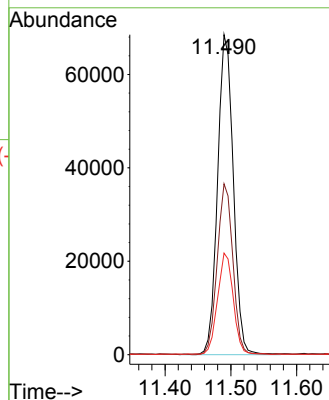
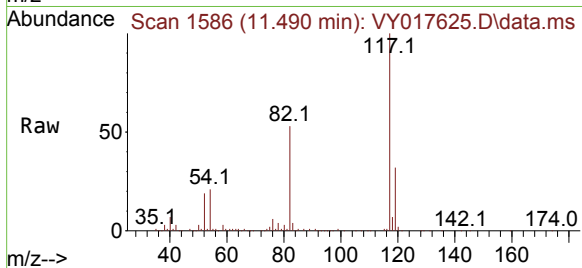
Tgt Ion:117 Resp: 114109

Ion Ratio Lower Upper

117 100

82 53.2 42.4 63.6

119 31.6 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY017625.D

Acq: 08 Mar 2024 17:11

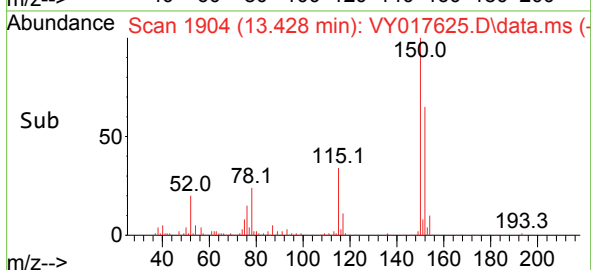
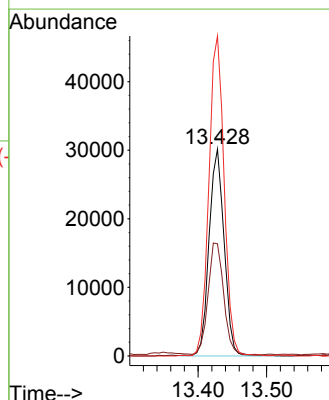
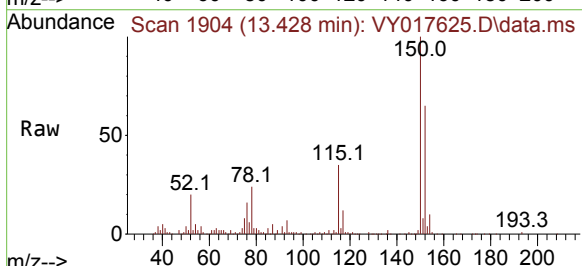
Tgt Ion:152 Resp: 46157

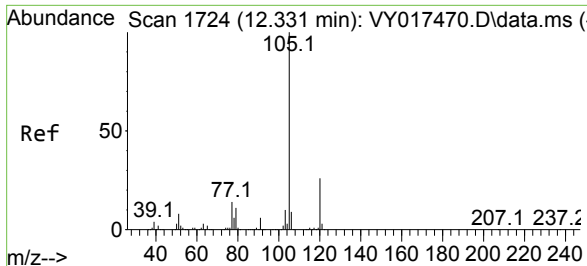
Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.7

150 156.4 0.0 345.6

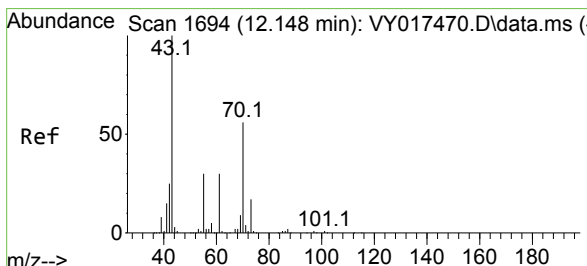
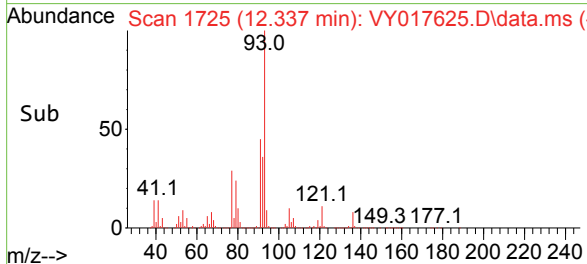
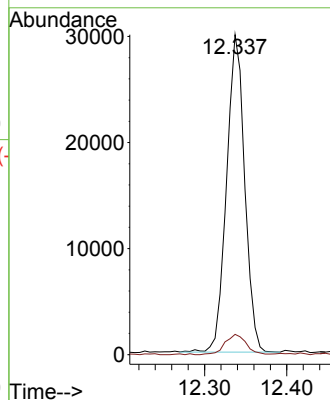
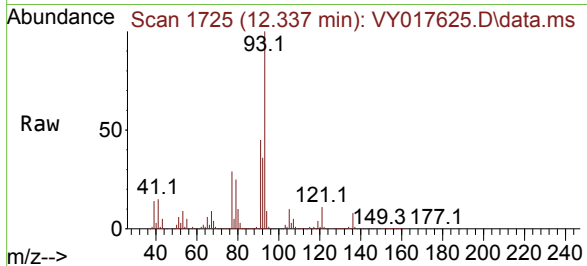




#73
Isopropylbenzene
Concen: 13.409 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

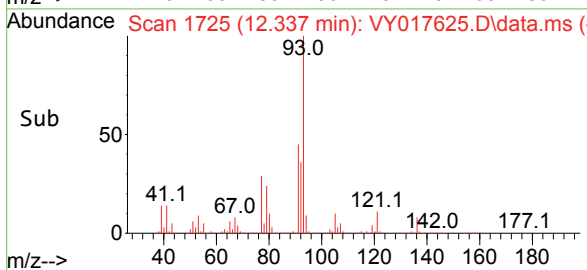
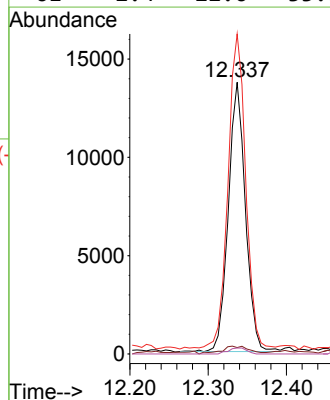
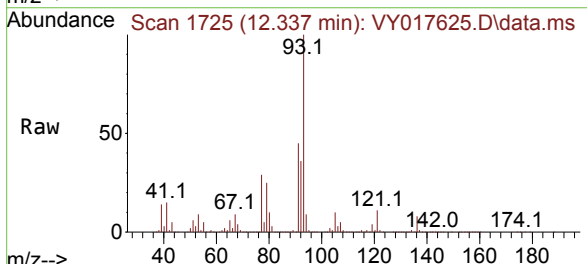
Instrument :
MSVOA_Y
ClientSampleId :
RT3471RE

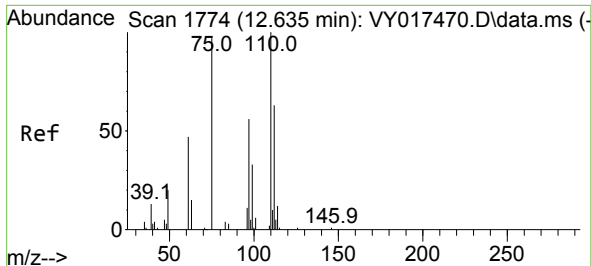
Tgt Ion:105 Resp: 45980
Ion Ratio Lower Upper
105 100
120 7.5 13.4 40.1#



#74
N-ethyl acetate
Concen: 34.414 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.189 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

Tgt Ion: 43 Resp: 20814
Ion Ratio Lower Upper
43 100
70 4.7 41.4 62.2#
55 121.9 23.3 34.9#
61 2.4 22.6 33.8#

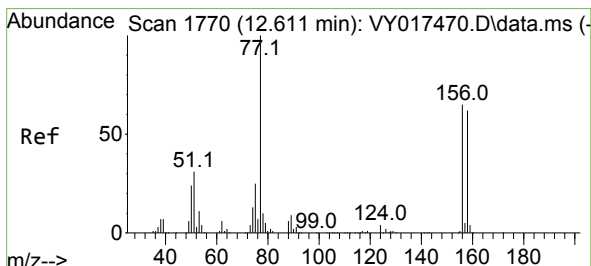
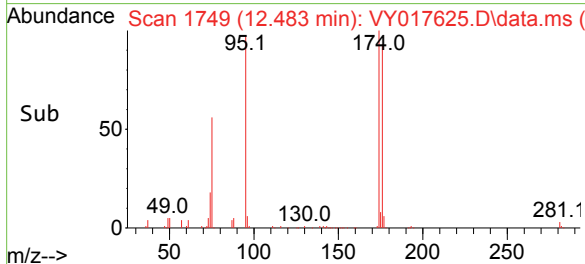
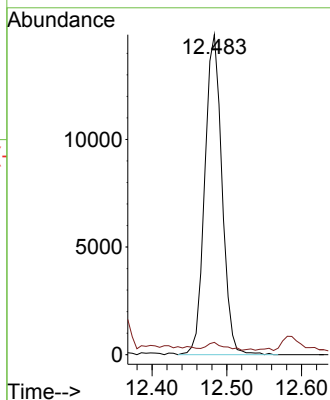
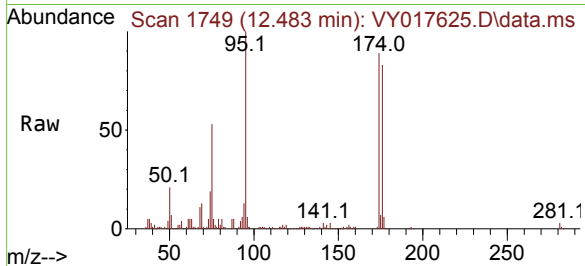




#76
1,2,3-Trichloropropane
Concen: 54.189 ug/l
RT: 12.483 min Scan# 1734
Delta R.T. -0.152 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

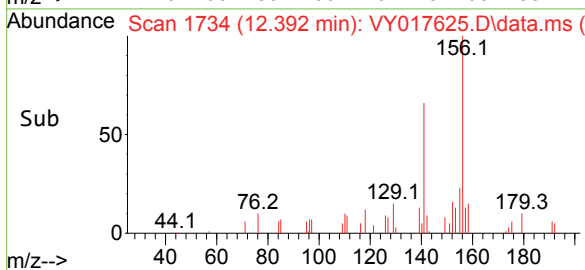
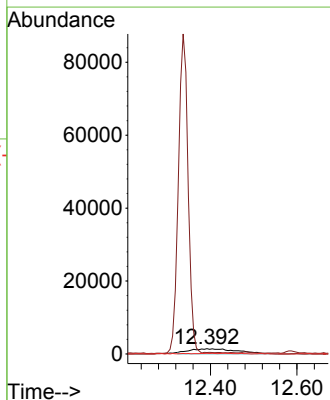
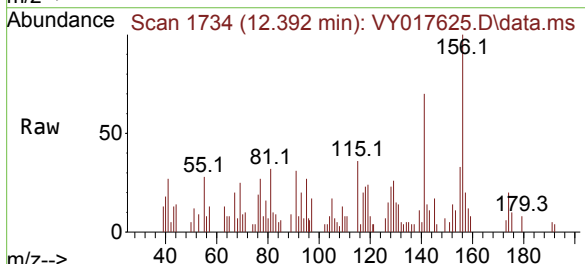
Instrument :
MSVOA_Y
ClientSampleId :
RT3471RE

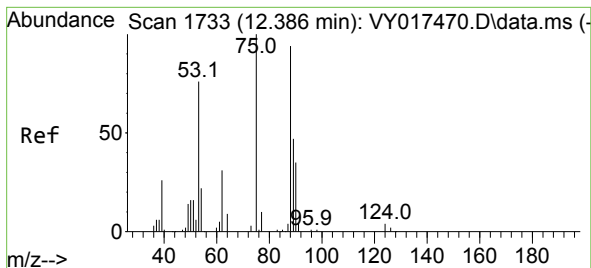
Tgt Ion: 75 Resp: 23765
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 13.246 ug/l
RT: 12.392 min Scan# 1734
Delta R.T. -0.219 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

Tgt Ion: 156 Resp: 11000
Ion Ratio Lower Upper
156 100
77 0.0 87.1 261.3#
158 2.3 48.6 145.9#

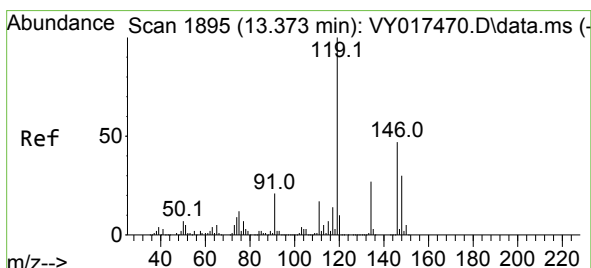
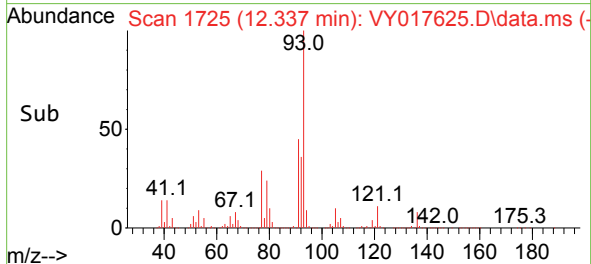
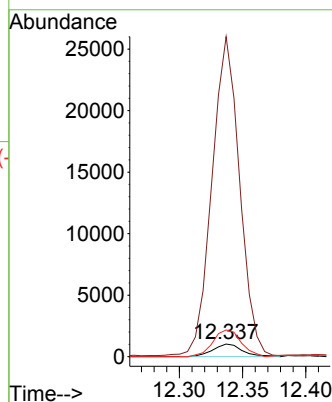
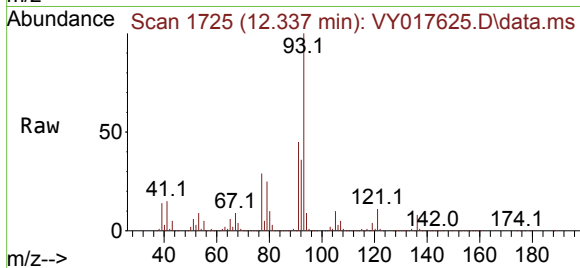




#81
trans-1,4-Dichloro-2-butene
Concen: 8.676 ug/l
RT: 12.337 min Scan# 11
Delta R.T. -0.049 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

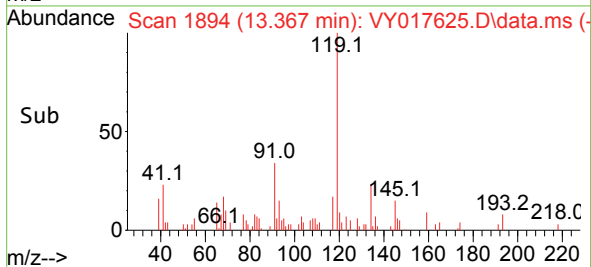
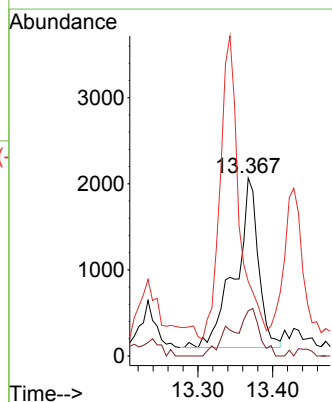
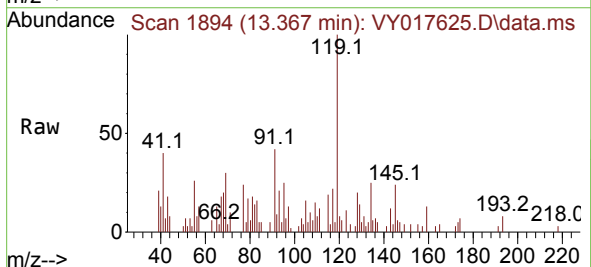
Instrument :
MSVOA_Y
ClientSampleId :
RT3471RE

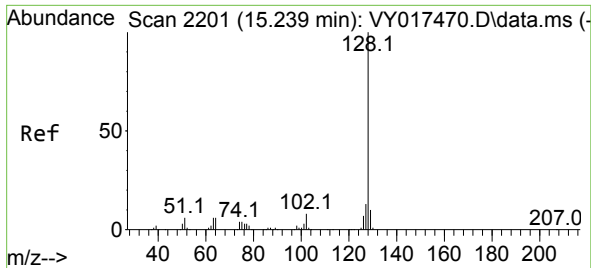
Tgt Ion: 75 Resp: 1656
Ion Ratio Lower Upper
75 100
53 2369.4 66.8 100.2#
89 206.0 35.8 53.6#



#86
p-Isopropyltoluene
Concen: 1.406 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

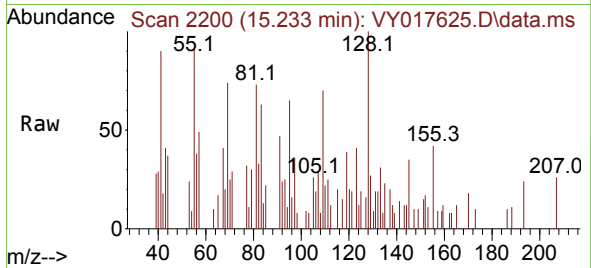
Tgt Ion: 119 Resp: 4246
Ion Ratio Lower Upper
119 100
134 19.4 13.1 39.3
91 0.0 10.7 32.1#





#95
Naphthalene
Concen: 4.431 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY017625.D
Acq: 08 Mar 2024 17:11

Instrument :
MSVOA_Y
ClientSampleId :
RT3471RE



Tgt Ion:128 Resp: 809
Ion Ratio Lower Upper
128 100
127 26.7 10.6 16.0#
129 22.2 8.6 13.0#

