

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031924\
 Data File : VY017704.D
 Acq On : 19 Mar 2024 11:39
 Operator : SY/MD
 Sample : VY0319SBL02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBL02

Quant Time: Mar 20 03:01:28 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)

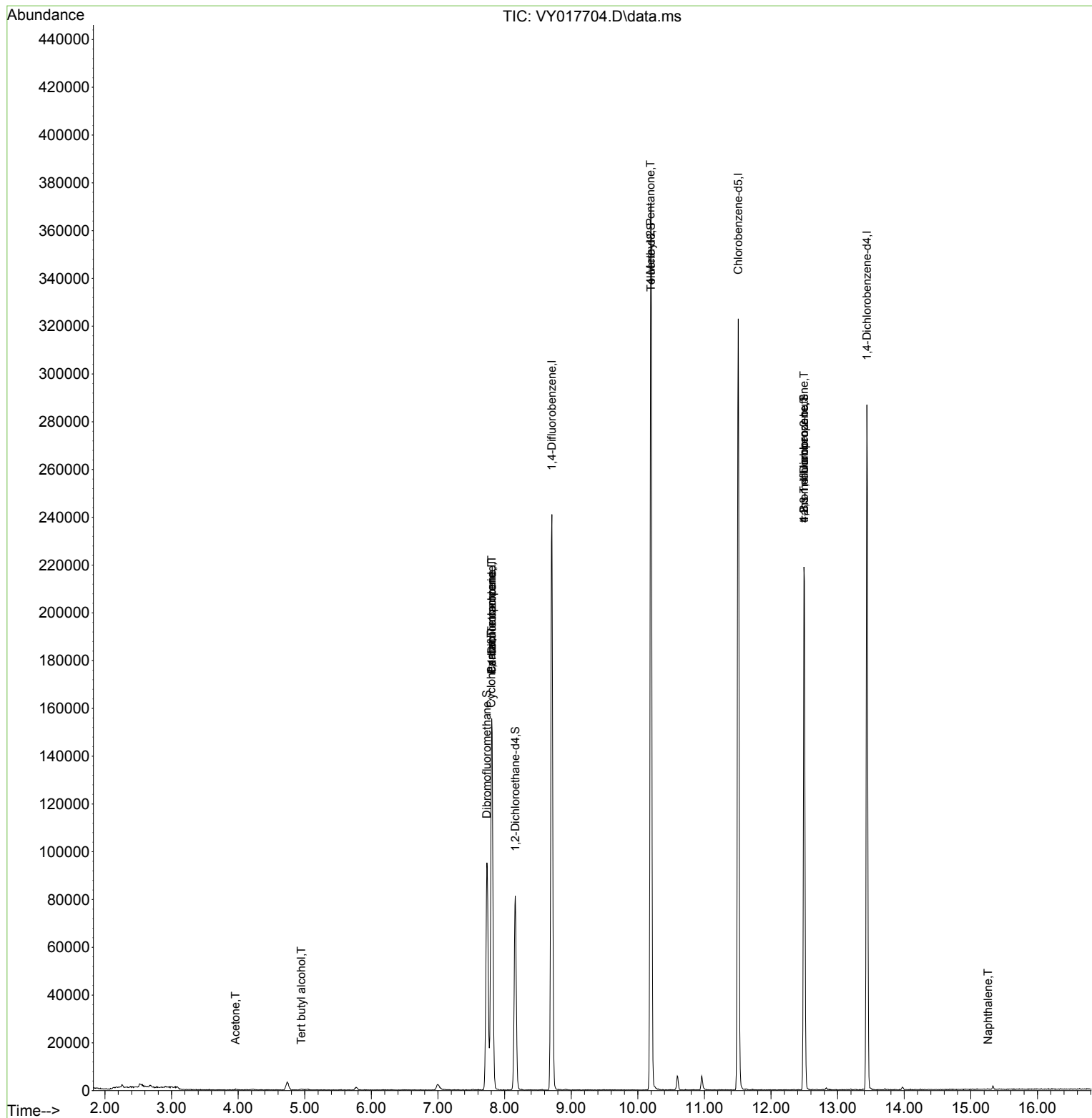
Internal Standards						
1) Pentafluorobenzene	7.807	168	132462	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.709	114	221088	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.508	117	193418	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	77968	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	60064	47.845	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.700%		
35) Dibromofluoromethane	7.734	113	69686	45.233	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.460%		
50) Toluene-d8	10.197	98	250873	46.574	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.140%		
62) 4-Bromofluorobenzene	12.495	95	67354	39.787	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.580%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	367	3.442	ug/l #	88
16) Acetone	3.960	43	557	2.288	ug/l #	83
20) Methylene Chloride	4.728	84	2790	Below Cal	#	86
31) Cyclohexane	7.801	56	2126	1.041	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	8734	4.202	ug/l #	47
38) Carbon Tetrachloride	7.807	117	12235	5.873	ug/l #	17
51) 4-Methyl-2-Pentanone	10.191	43	899	1.118	ug/l #	1
76) 1,2,3-Trichloropropane	12.495	75	32079	43.302	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	32079	99.499	ug/l #	16
95) Naphthalene	15.257	128	316	4.034	ug/l #	69

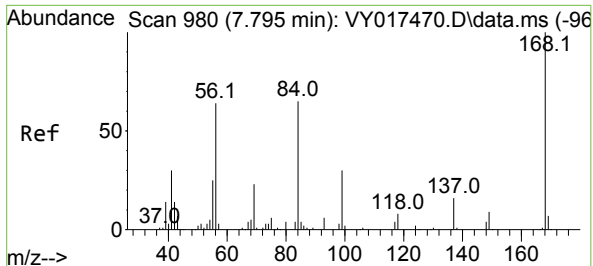
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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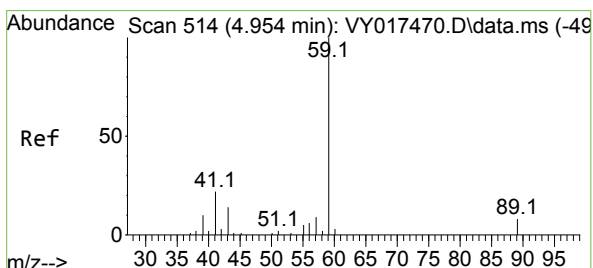
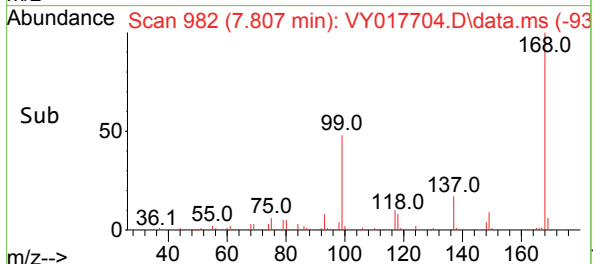
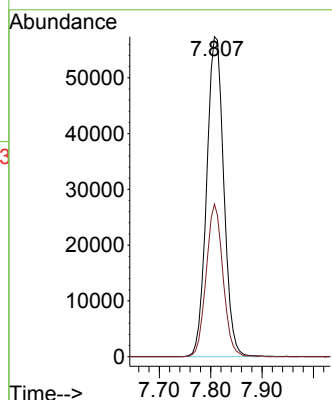
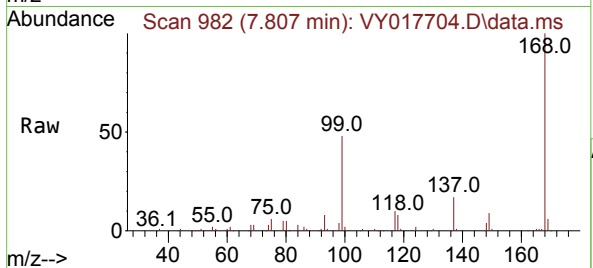




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017704.D
Acq: 19 Mar 2024 11:39

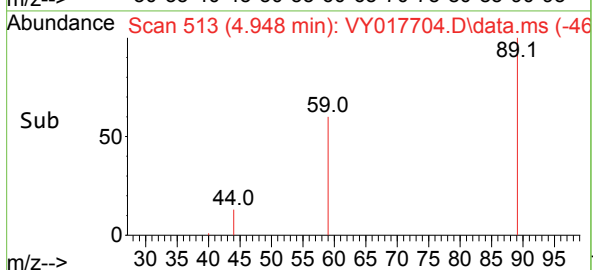
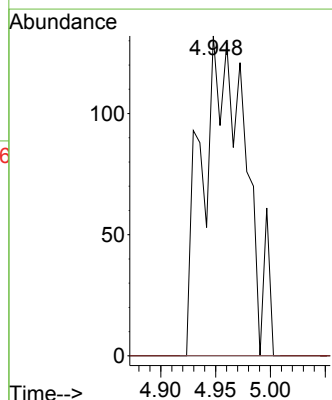
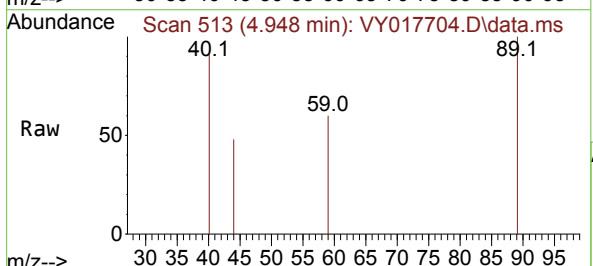
Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBL02

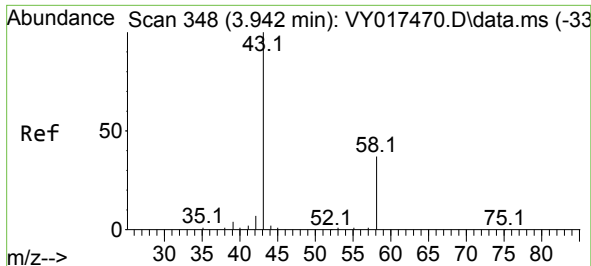
Tgt Ion:168 Resp: 132462
Ion Ratio Lower Upper
168 100
99 47.7 39.1 58.7



#11
Tert butyl alcohol
Concen: 3.442 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY017704.D
Acq: 19 Mar 2024 11:39

Tgt Ion: 59 Resp: 367
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

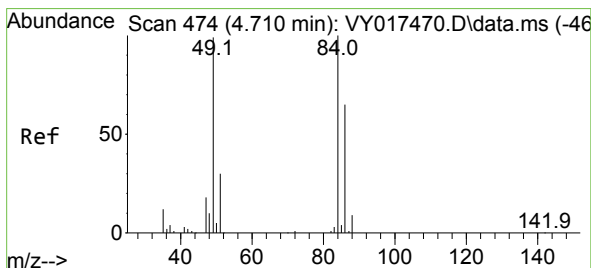
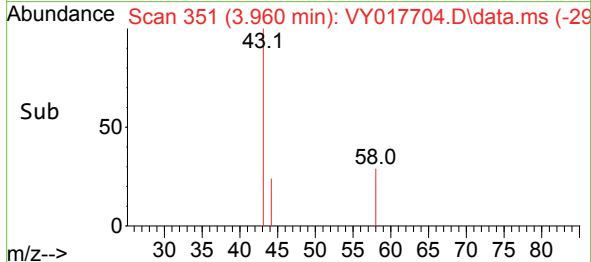
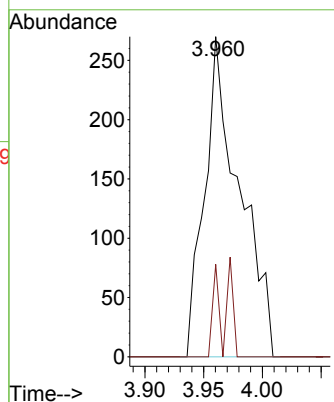
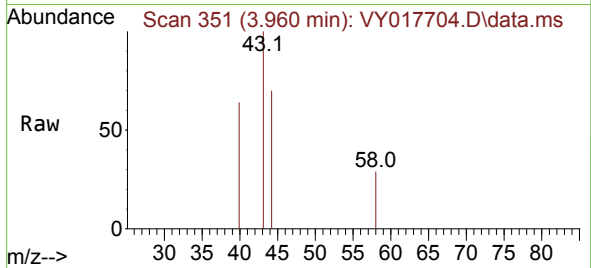




#16
Acetone
Concen: 2.288 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY017704.D
Acq: 19 Mar 2024 11:39

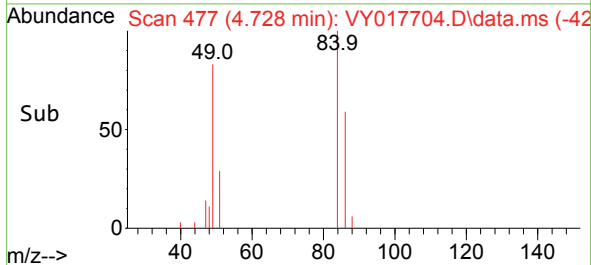
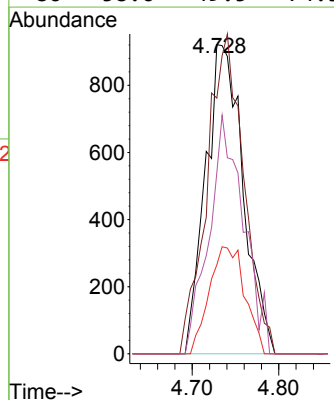
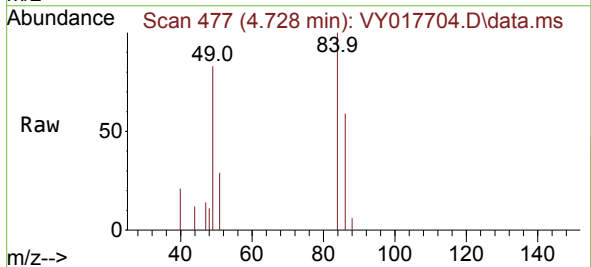
Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBL02

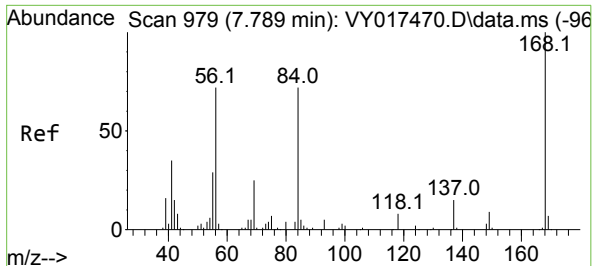
Tgt Ion: 43 Resp: 557
Ion Ratio Lower Upper
43 100
58 28.9 31.7 47.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.018 min
Lab File: VY017704.D
Acq: 19 Mar 2024 11:39

Tgt Ion: 84 Resp: 2790
Ion Ratio Lower Upper
84 100
49 82.7 84.4 126.6#
51 28.8 26.0 39.0
86 58.6 49.5 74.3

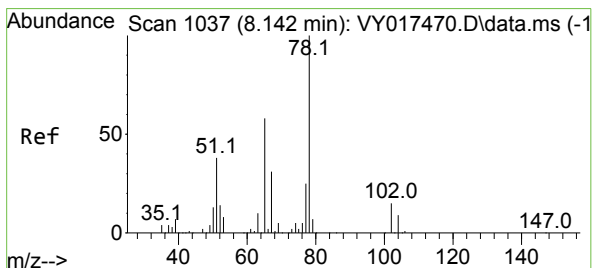
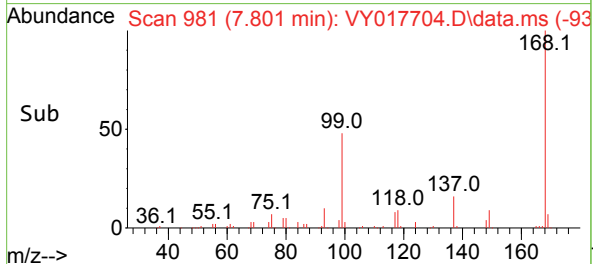
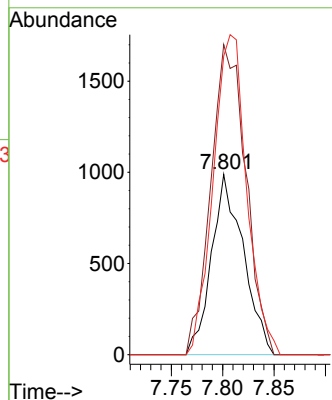
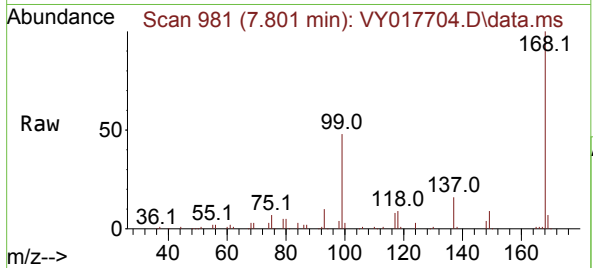




#31
Cyclohexane
Concen: 1.041 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017704.D
Acq: 19 Mar 2024 11:39

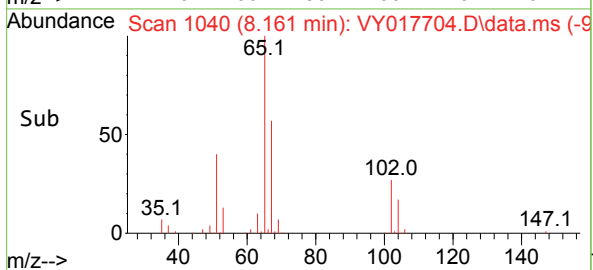
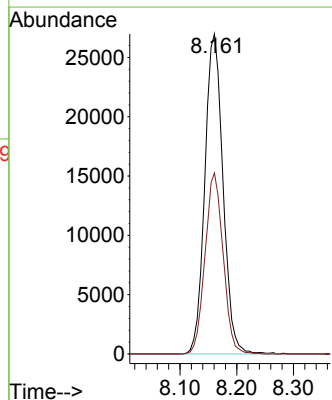
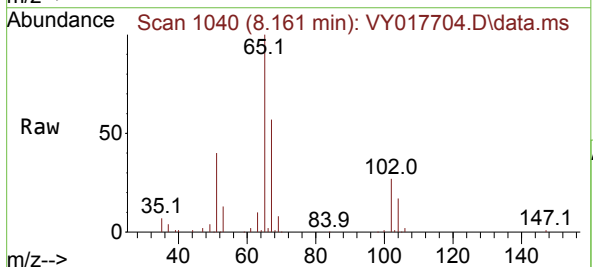
Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBL02

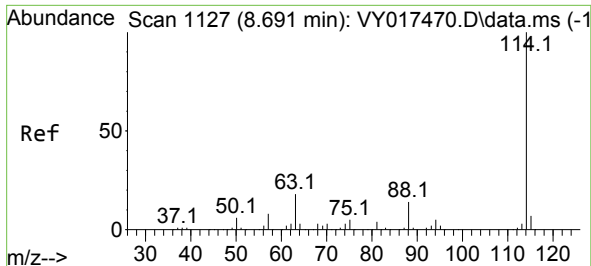
Tgt Ion: 56 Resp: 2126
Ion Ratio Lower Upper
56 100
69 172.0 28.7 43.1#
84 165.5 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 47.845 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.018 min
Lab File: VY017704.D
Acq: 19 Mar 2024 11:39

Tgt Ion: 65 Resp: 60064
Ion Ratio Lower Upper
65 100
67 56.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1127

Delta R.T. 0.018 min

Lab File: VY017704.D

Acq: 19 Mar 2024 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBL02

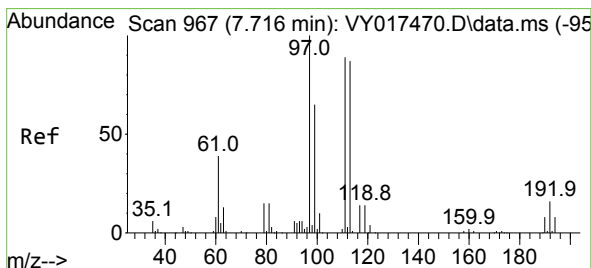
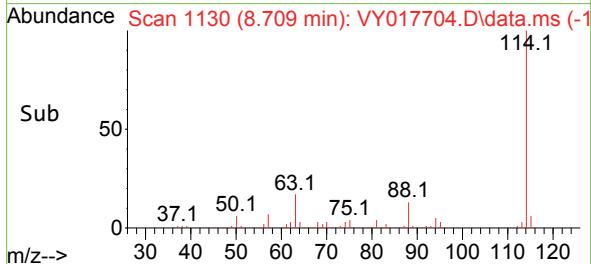
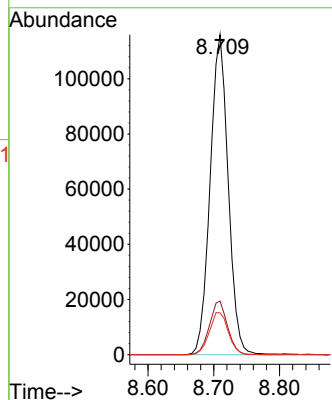
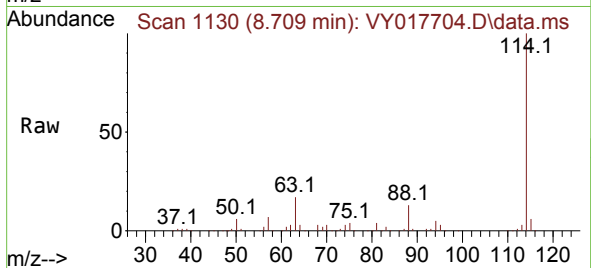
Tgt Ion:114 Resp: 221088

Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.0

88 13.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 45.233 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.018 min

Lab File: VY017704.D

Acq: 19 Mar 2024 11:39

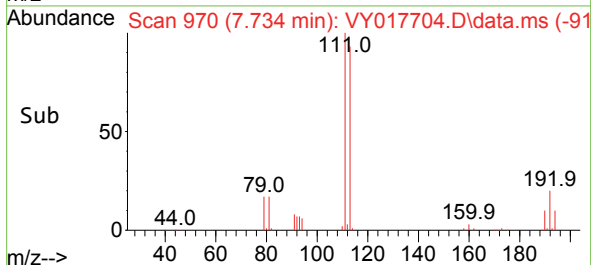
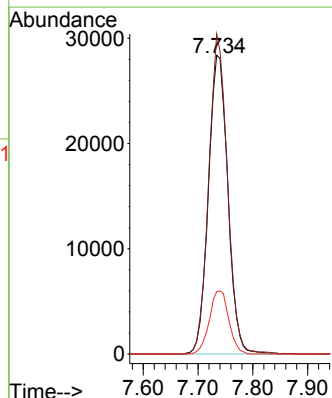
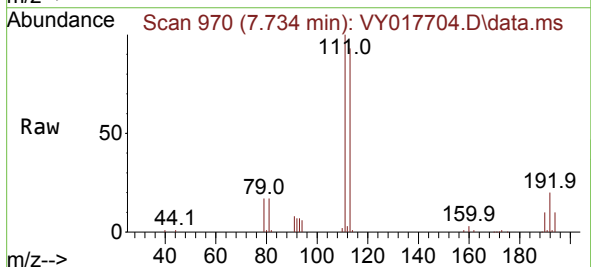
Tgt Ion:113 Resp: 69686

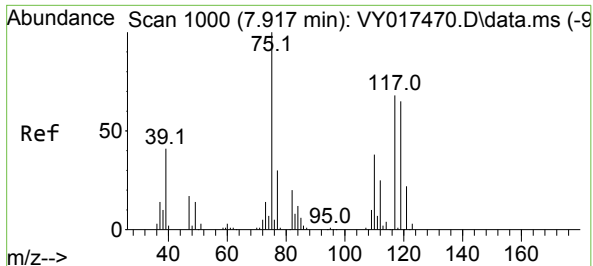
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 21.2 15.9 23.9

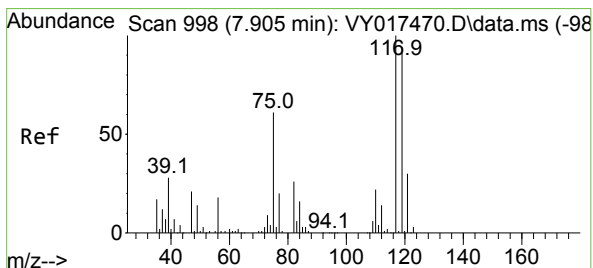
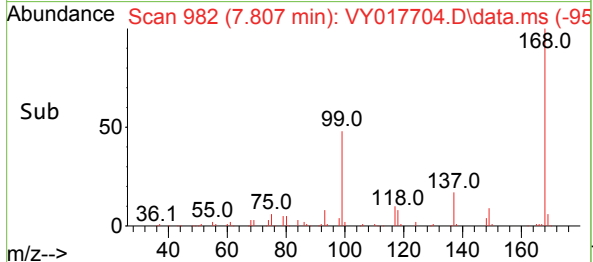
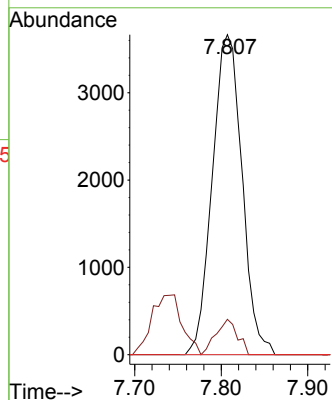
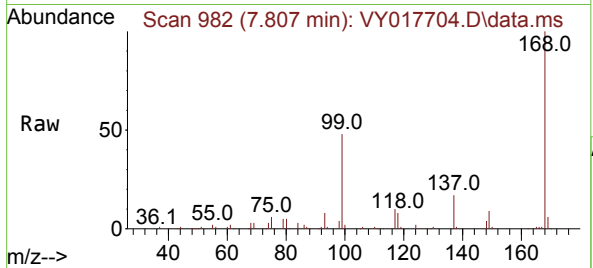




#36
1,1-Dichloropropene
Concen: 4.202 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY017704.D
Acq: 19 Mar 2024 11:39

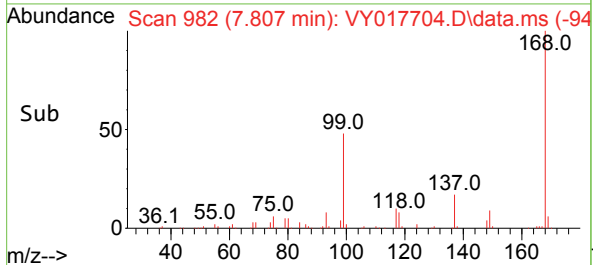
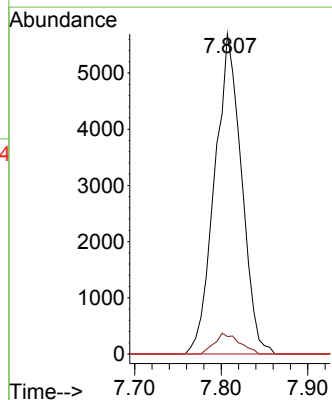
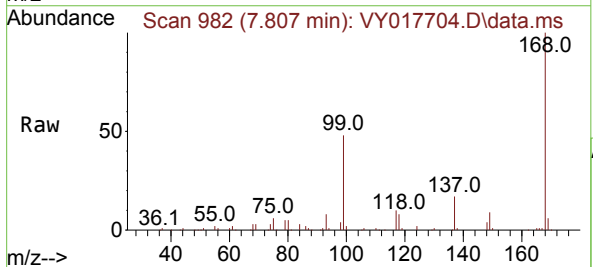
Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBL02

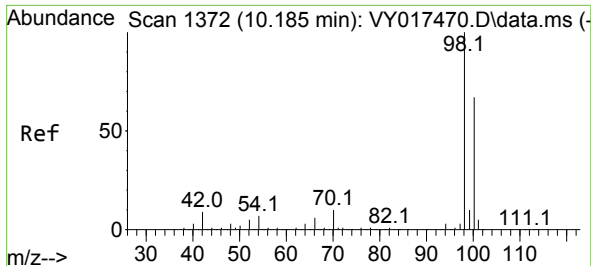
Tgt Ion: 75 Resp: 8734
Ion Ratio Lower Upper
75 100
110 8.0 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.873 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.097 min
Lab File: VY017704.D
Acq: 19 Mar 2024 11:39

Tgt Ion: 117 Resp: 12235
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.6#
121 0.0 24.0 36.0#

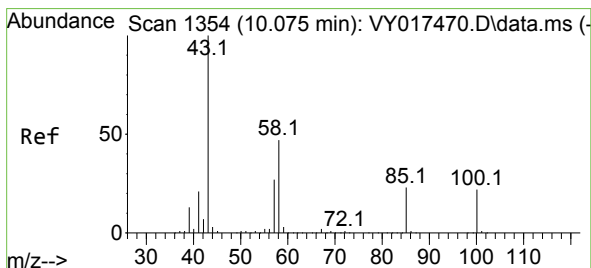
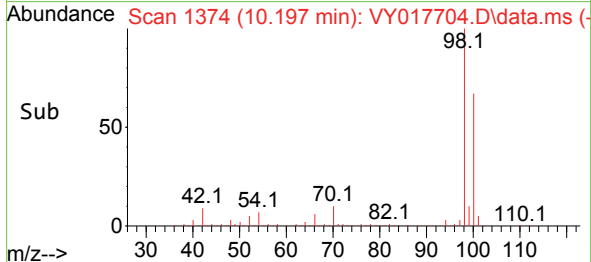
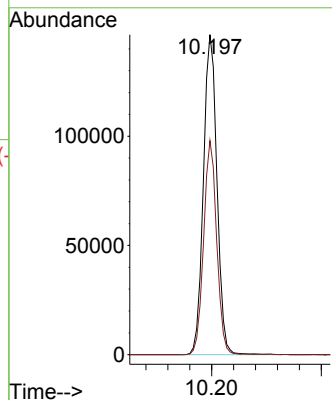
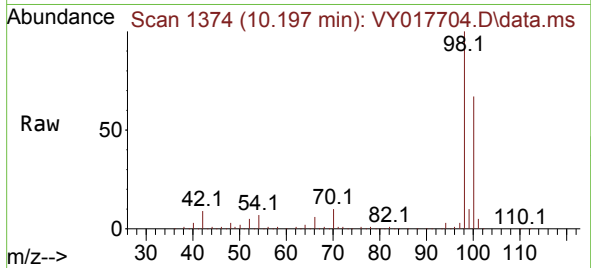




#50
Toluene-d8
Concen: 46.574 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.012 min
Lab File: VY017704.D
Acq: 19 Mar 2024 11:39

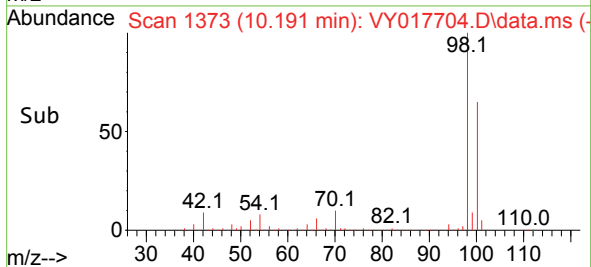
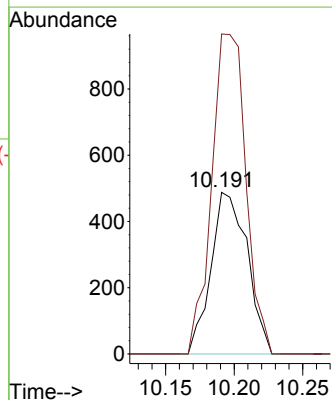
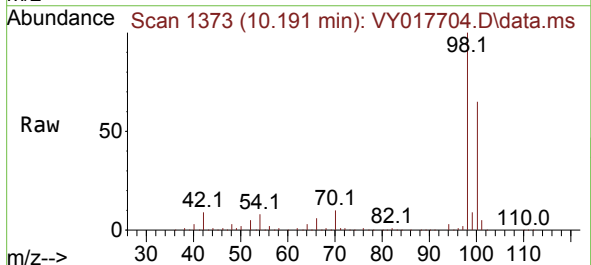
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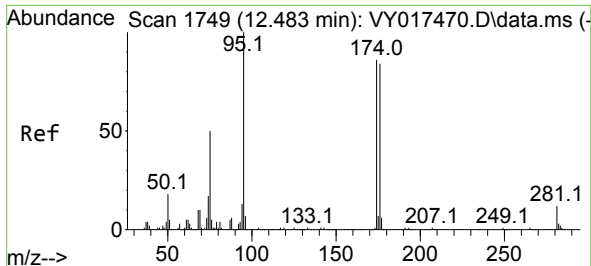
Tgt Ion: 98 Resp: 250873
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.118 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.116 min
Lab File: VY017704.D
Acq: 19 Mar 2024 11:39

Tgt Ion: 43 Resp: 899
Ion Ratio Lower Upper
43 100
58 186.7 35.7 53.5#

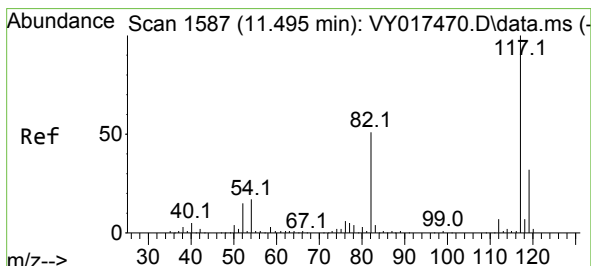
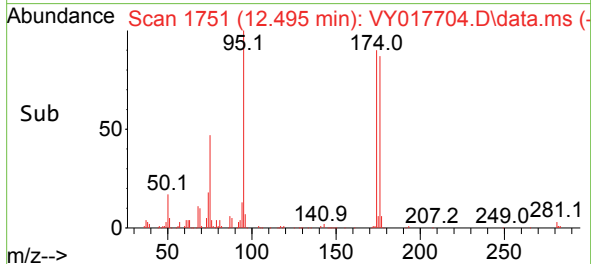
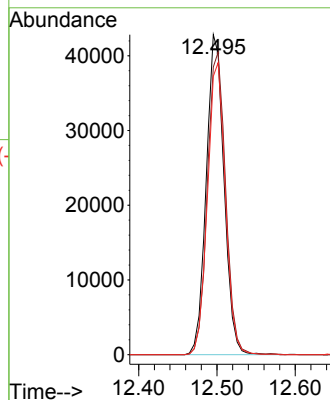
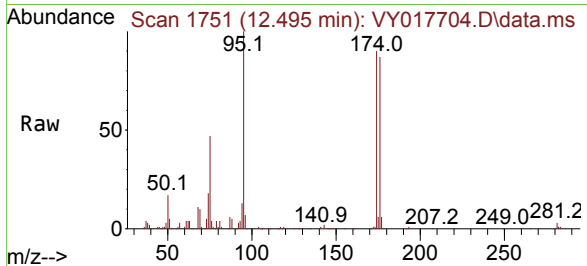




#62
4-Bromofluorobenzene
Concen: 39.787 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.012 min
Lab File: VY017704.D
Acq: 19 Mar 2024 11:39

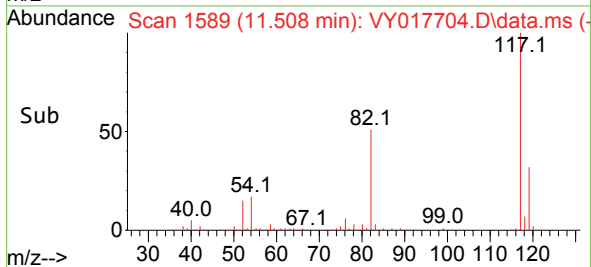
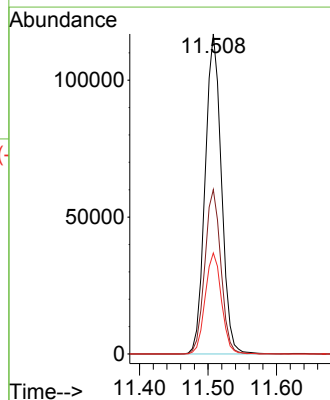
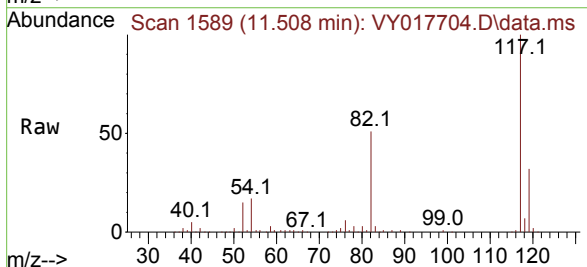
Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBL02

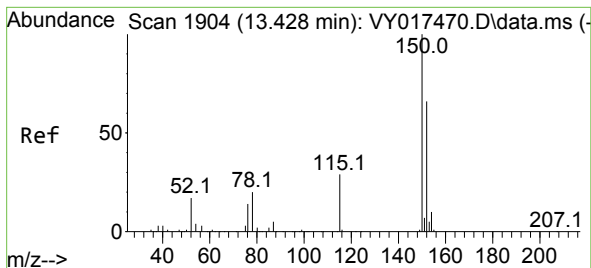
Tgt Ion: 95 Resp: 67354
Ion Ratio Lower Upper
95 100
174 96.9 0.0 175.6
176 92.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.012 min
Lab File: VY017704.D
Acq: 19 Mar 2024 11:39

Tgt Ion: 117 Resp: 193418
Ion Ratio Lower Upper
117 100
82 51.3 42.4 63.6
119 31.6 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.012 min

Lab File: VY017704.D

Acq: 19 Mar 2024 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBL02

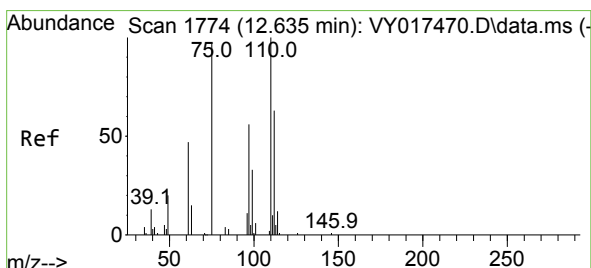
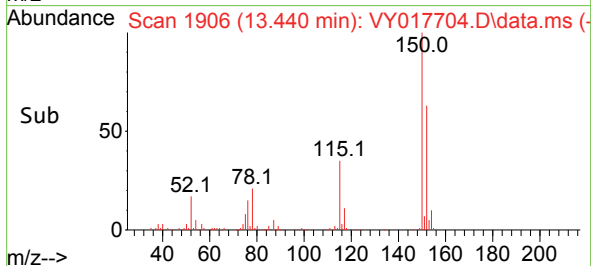
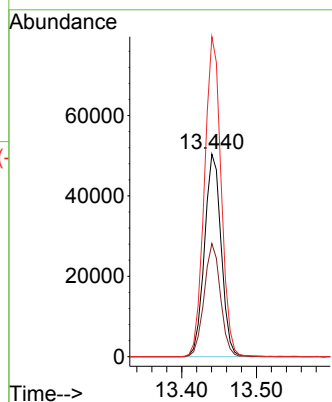
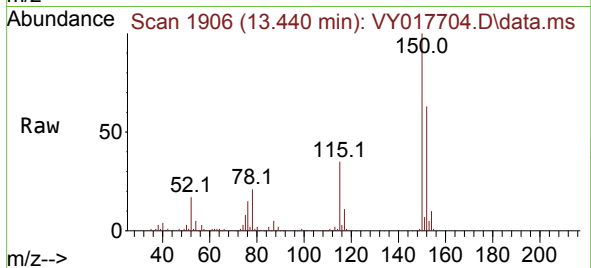
Tgt Ion:152 Resp: 77968

Ion Ratio Lower Upper

152 100

115 54.7 28.2 84.7

150 158.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 43.302 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.140 min

Lab File: VY017704.D

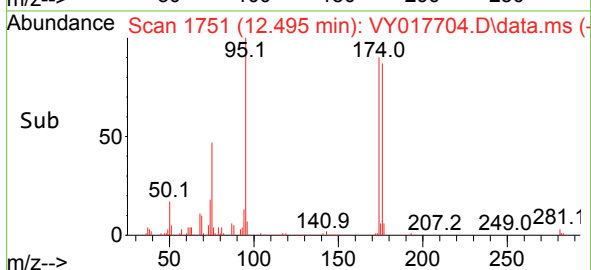
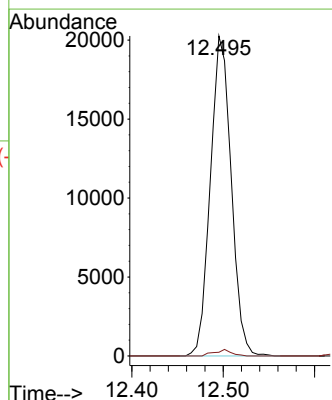
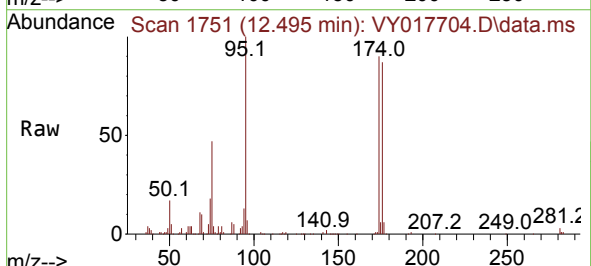
Acq: 19 Mar 2024 11:39

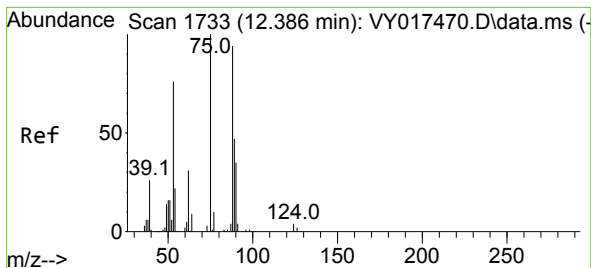
Tgt Ion: 75 Resp: 32079

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

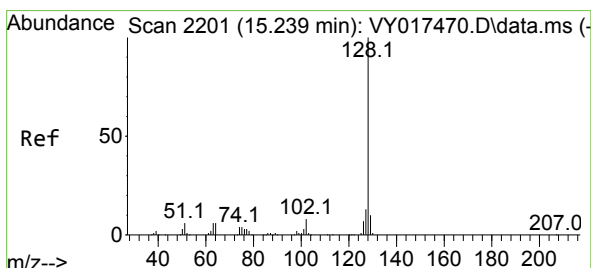
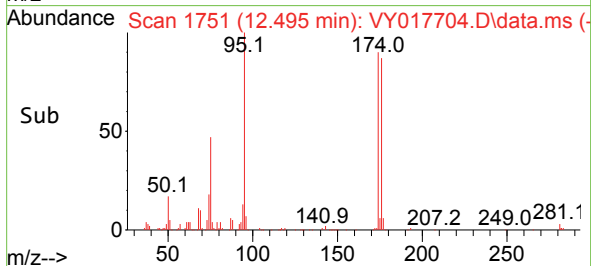
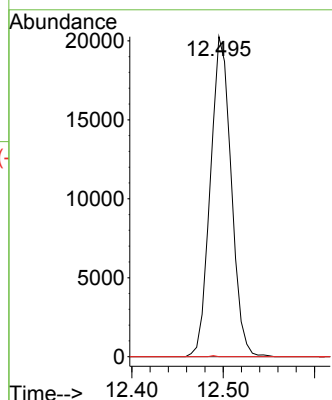
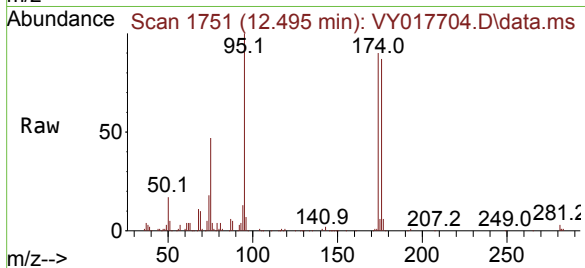




#81
trans-1,4-Dichloro-2-butene
Concen: 99.499 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY017704.D
Acq: 19 Mar 2024 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBL02

Tgt Ion: 75 Resp: 32079
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#



#95
Naphthalene
Concen: 4.034 ug/l
RT: 15.257 min Scan# 2204
Delta R.T. 0.018 min
Lab File: VY017704.D
Acq: 19 Mar 2024 11:39

Tgt Ion:128 Resp: 316
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

