

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032024\
 Data File : VY017724.D
 Acq On : 20 Mar 2024 12:02
 Operator : SY/MD
 Sample : P1804-03RE
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 21 03:14:00 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)

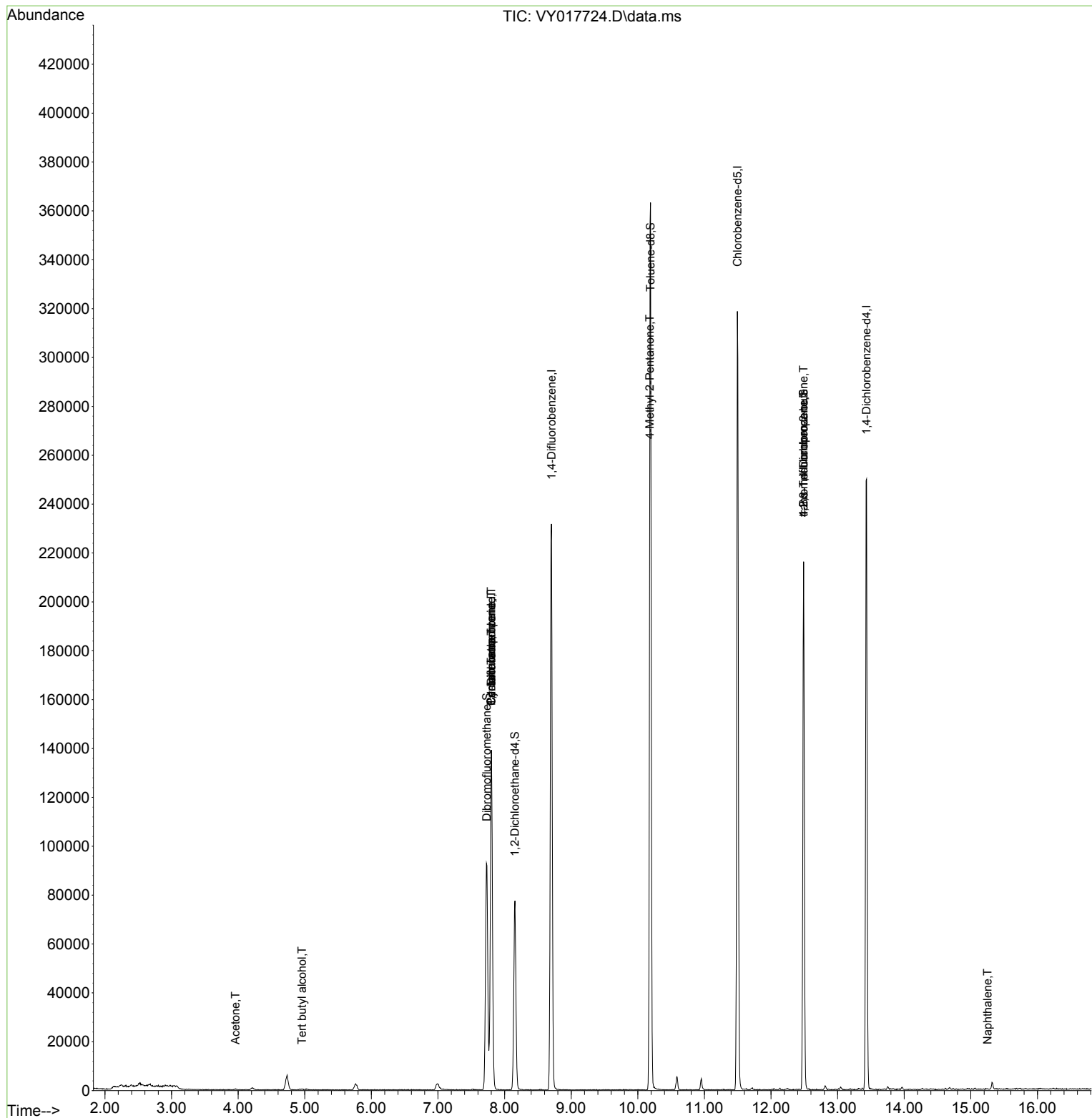
Internal Standards						
1) Pentafluorobenzene	7.801	168	109244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	209690	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	185235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	67639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	58460	56.465	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.920%	
35) Dibromofluoromethane	7.734	113	68028	46.557	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.120%	
50) Toluene-d8	10.191	98	245435	48.041	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.080%	
62) 4-Bromofluorobenzene	12.489	95	64031	39.880	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.760%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	480	5.458	ug/l #	88
16) Acetone	3.960	43	475	2.365	ug/l #	66
20) Methylene Chloride	4.735	84	4449	Below Cal		94
31) Cyclohexane	7.801	56	2196	1.303	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	8036	4.076	ug/l #	48
38) Carbon Tetrachloride	7.801	117	10365	5.246	ug/l #	15
51) 4-Methyl-2-Pentanone	10.179	43	860	1.128	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	32654	50.810	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	32654	116.749	ug/l #	16
95) Naphthalene	15.251	128	331	4.058	ug/l #	69

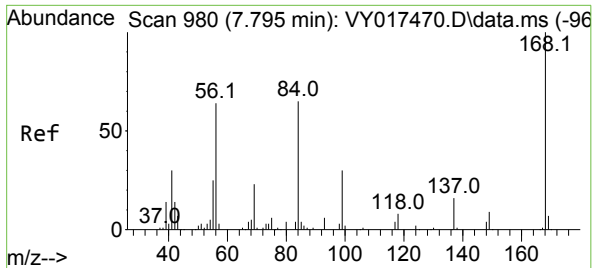
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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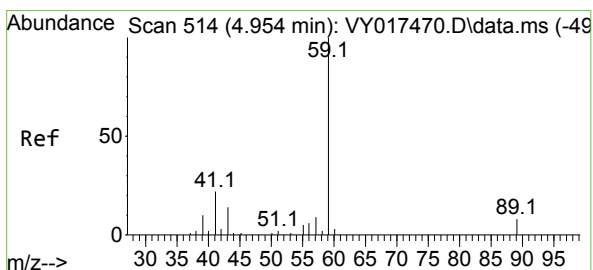
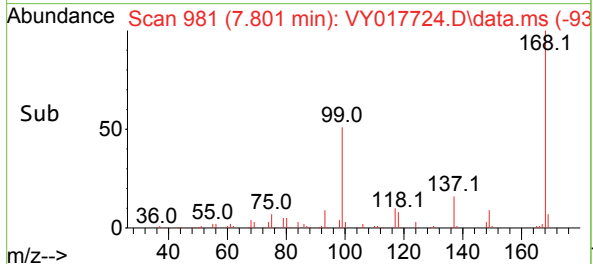
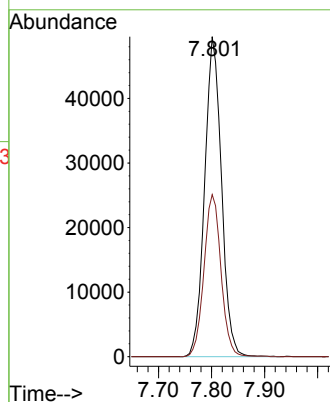
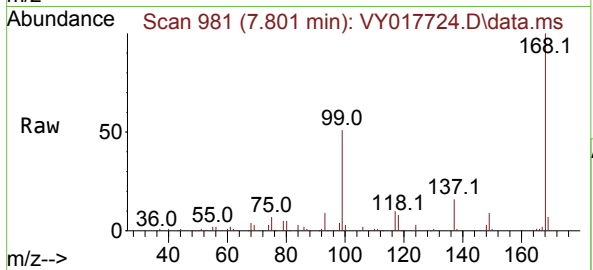




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017724.D
Acq: 20 Mar 2024 12:02

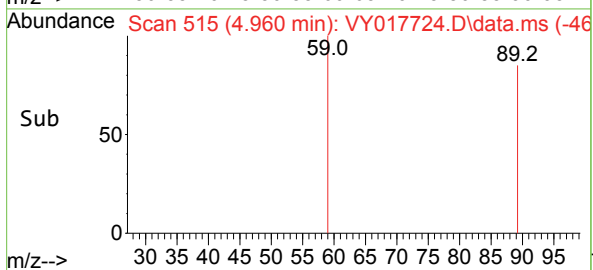
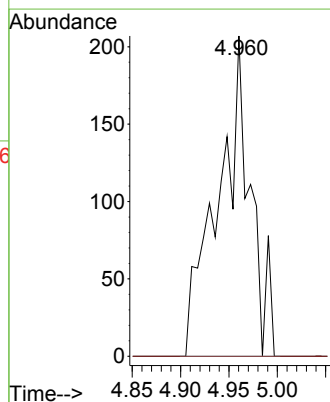
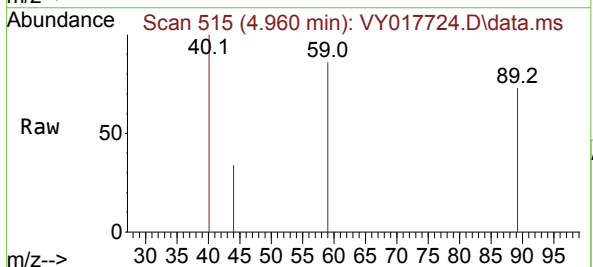
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 109244
Ion Ratio Lower Upper
168 100
99 50.6 39.1 58.7



#11
Tert butyl alcohol
Concen: 5.458 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY017724.D
Acq: 20 Mar 2024 12:02

Tgt Ion: 59 Resp: 480
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 2.365 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY017724.D

Acq: 20 Mar 2024 12:02

Instrument :

MSVOA_Y

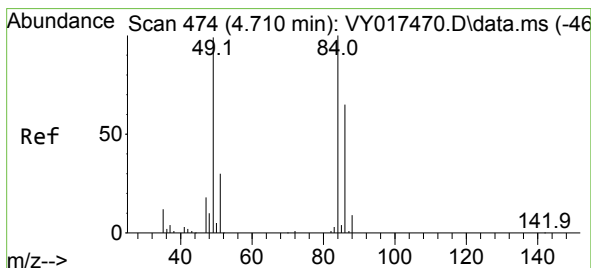
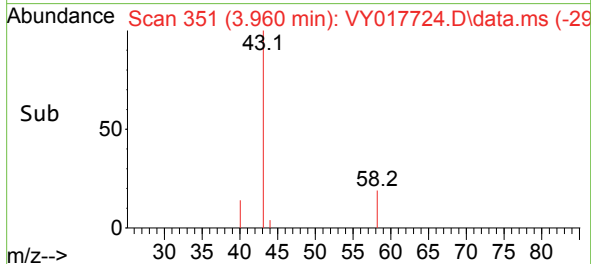
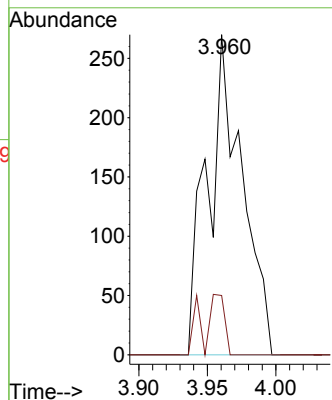
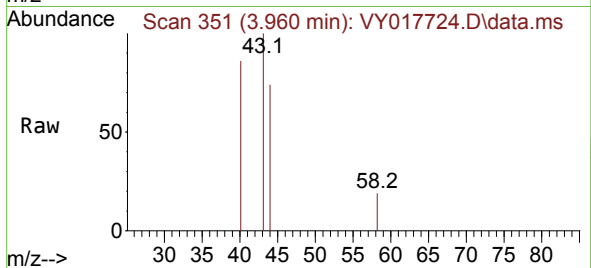
ClientSampleId :

Tgt Ion: 43 Resp: 475

Ion Ratio Lower Upper

43 100

58 18.5 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.735 min Scan# 478

Delta R.T. 0.025 min

Lab File: VY017724.D

Acq: 20 Mar 2024 12:02

Tgt Ion: 84 Resp: 4449

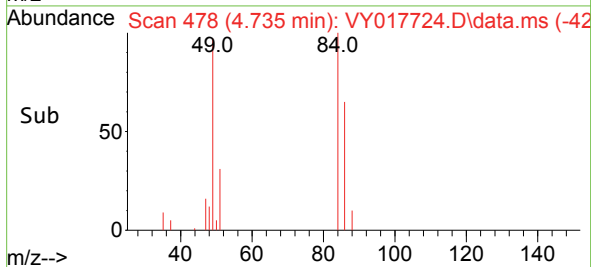
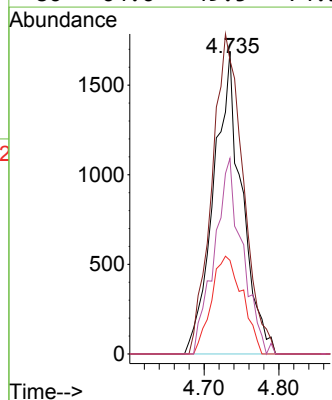
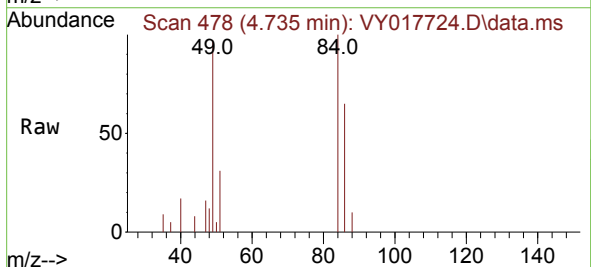
Ion Ratio Lower Upper

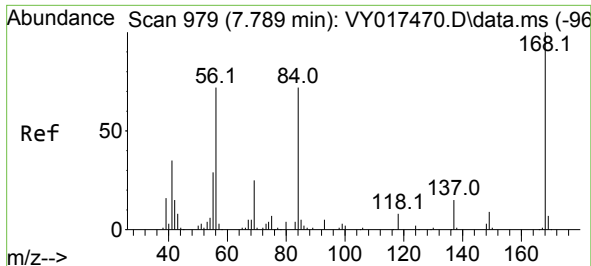
84 100

49 97.0 84.4 126.6

51 30.9 26.0 39.0

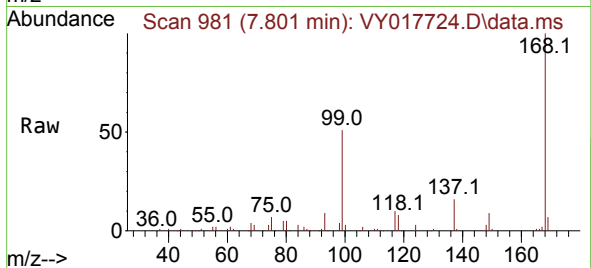
86 64.6 49.5 74.3



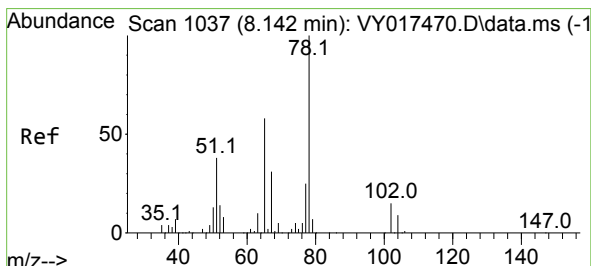
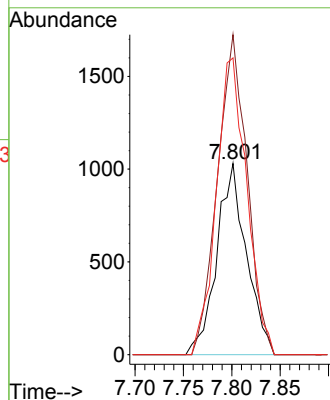
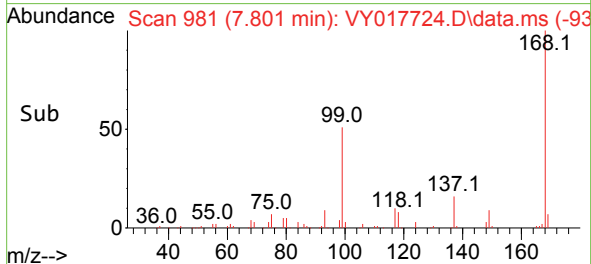


#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017724.D
Acq: 20 Mar 2024 12:02

Instrument :
MSVOA_Y
ClientSampleId :

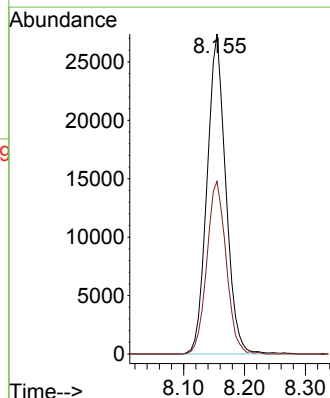
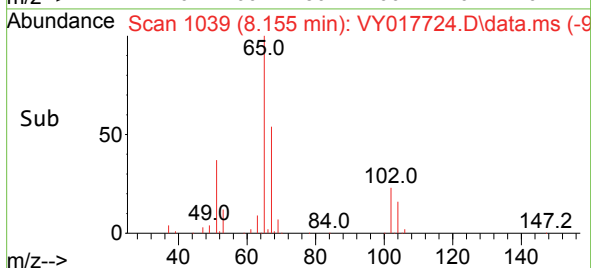
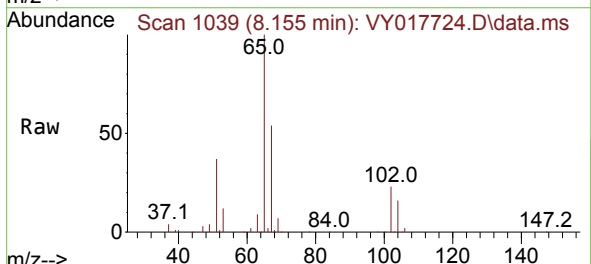


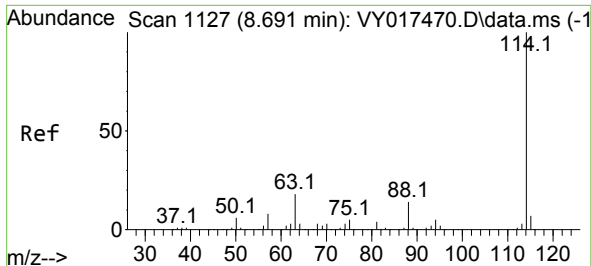
Tgt Ion: 56 Resp: 2196
Ion Ratio Lower Upper
56 100
69 167.3 28.7 43.1#
84 155.2 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 56.465 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VY017724.D
Acq: 20 Mar 2024 12:02

Tgt Ion: 65 Resp: 58460
Ion Ratio Lower Upper
65 100
67 55.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY017724.D

Acq: 20 Mar 2024 12:02

Instrument :

MSVOA_Y

ClientSampleId :

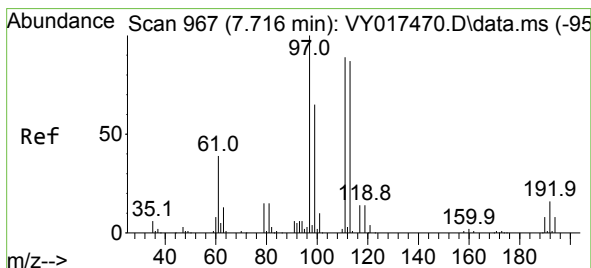
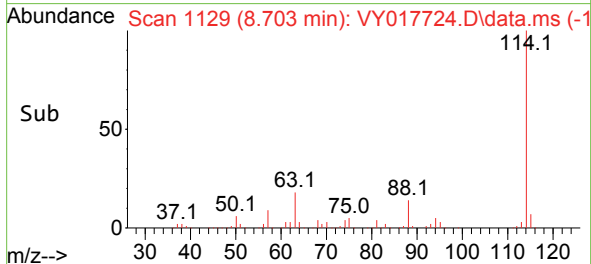
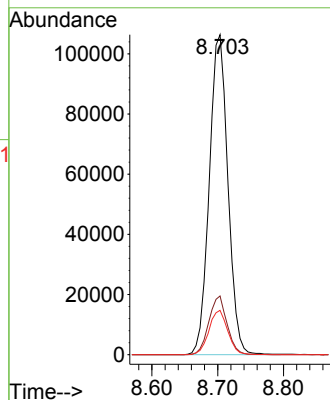
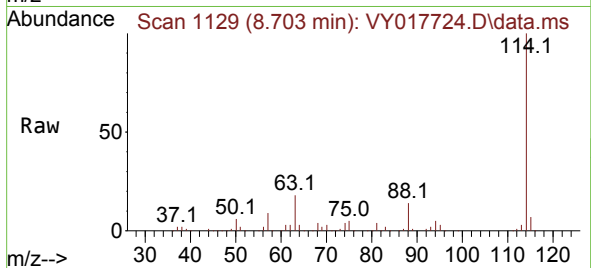
Tgt Ion:114 Resp: 209690

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

88 13.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 46.557 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.018 min

Lab File: VY017724.D

Acq: 20 Mar 2024 12:02

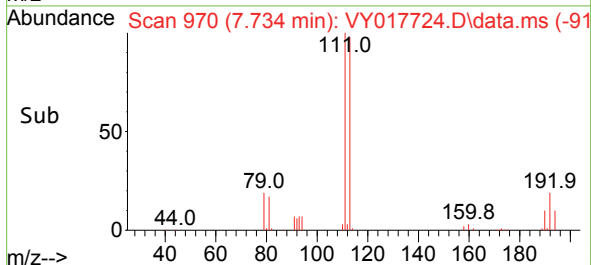
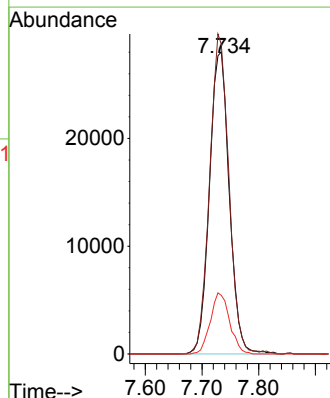
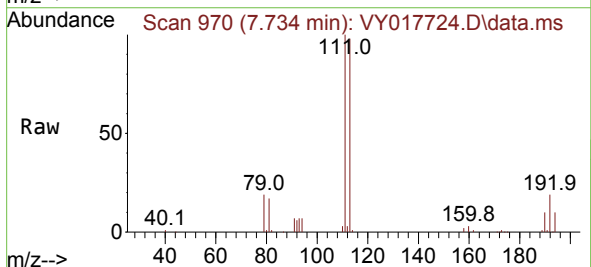
Tgt Ion:113 Resp: 68028

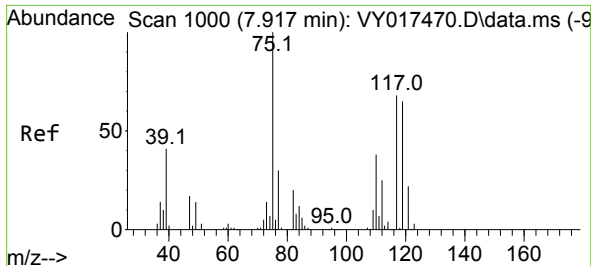
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

192 19.7 15.9 23.9

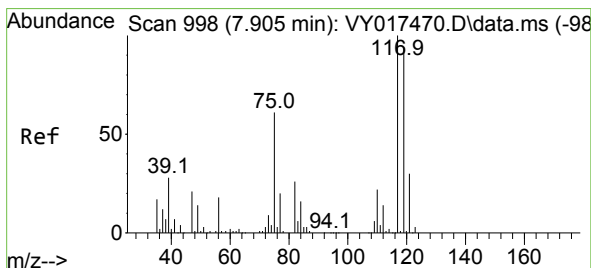
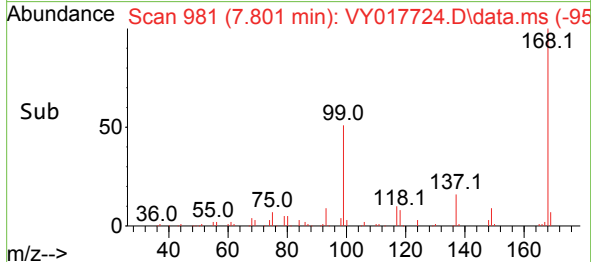
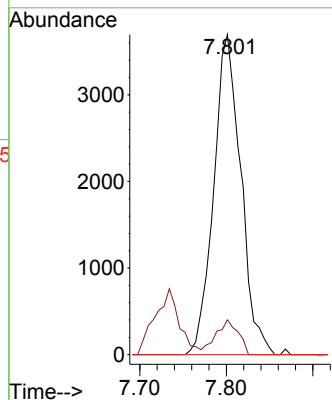
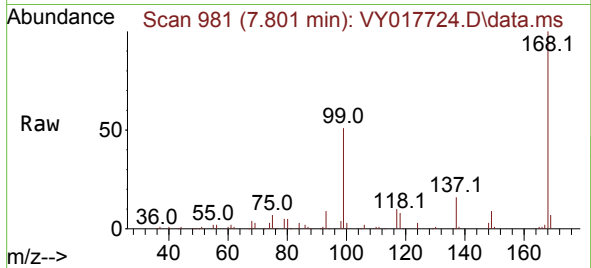




#36
1,1-Dichloropropene
Concen: 4.076 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY017724.D
Acq: 20 Mar 2024 12:02

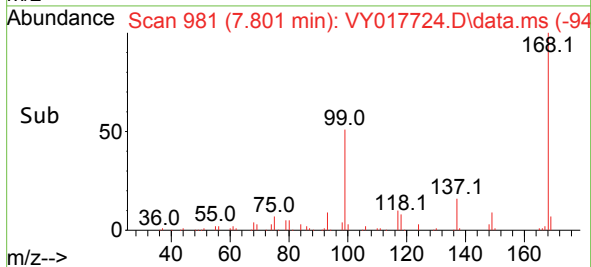
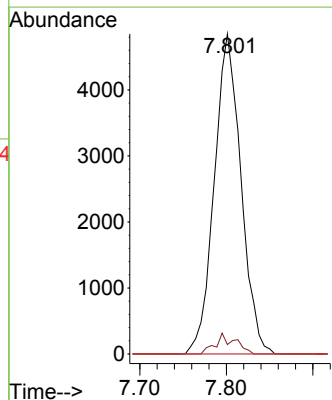
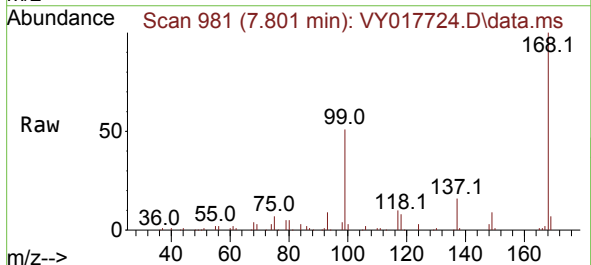
Instrument :
MSVOA_Y
ClientSampleId :

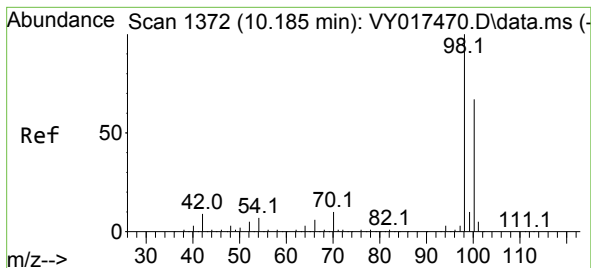
Tgt Ion: 75 Resp: 8036
Ion Ratio Lower Upper
75 100
110 9.0 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.246 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.103 min
Lab File: VY017724.D
Acq: 20 Mar 2024 12:02

Tgt Ion: 117 Resp: 10365
Ion Ratio Lower Upper
117 100
119 3.0 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 48.041 ug/l

RT: 10.191 min Scan# 1372

Delta R.T. 0.006 min

Lab File: VY017724.D

Acq: 20 Mar 2024 12:02

Instrument :

MSVOA_Y

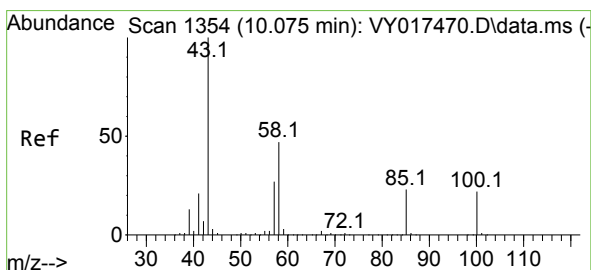
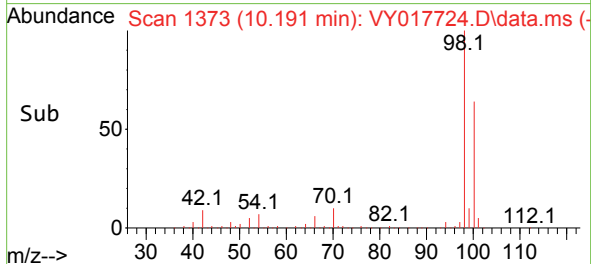
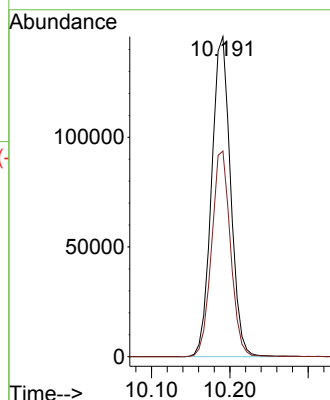
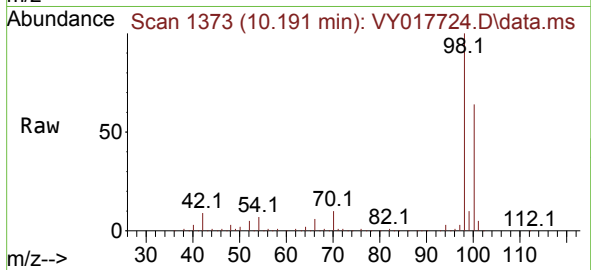
ClientSampleId :

Tgt Ion: 98 Resp: 245435

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.128 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.104 min

Lab File: VY017724.D

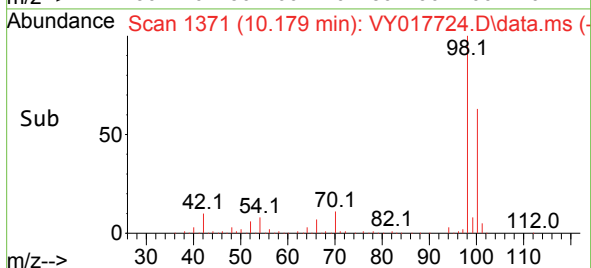
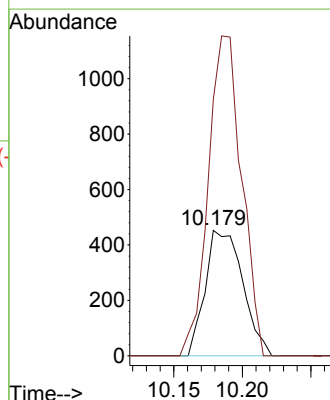
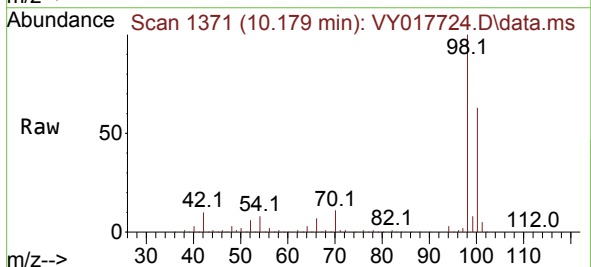
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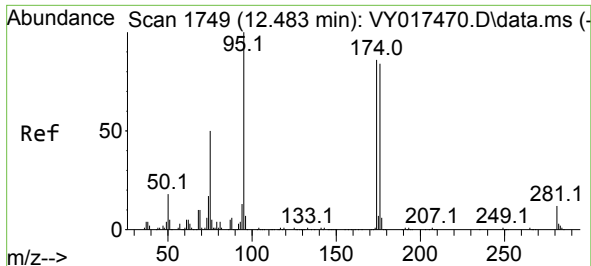
Tgt Ion: 43 Resp: 860

Ion Ratio Lower Upper

43 100

58 227.2 35.7 53.5#

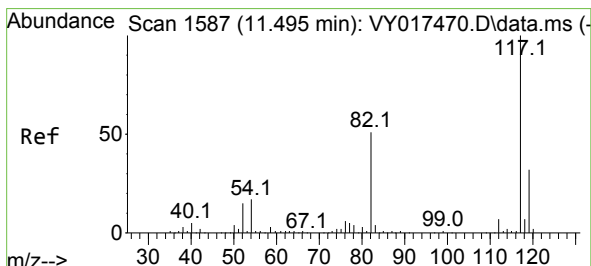
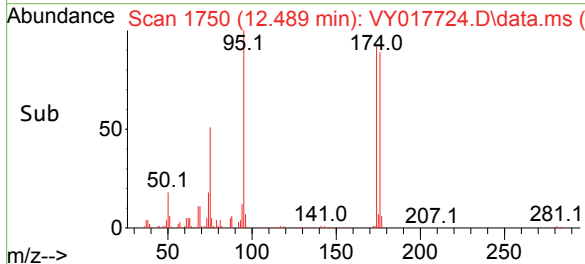
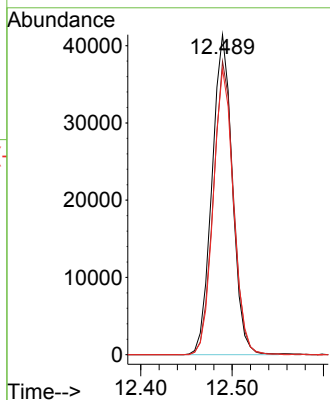
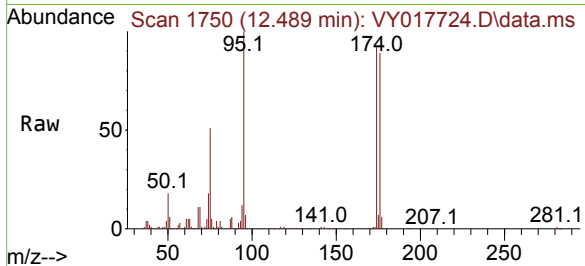




#62
4-Bromofluorobenzene
Concen: 39.880 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017724.D
Acq: 20 Mar 2024 12:02

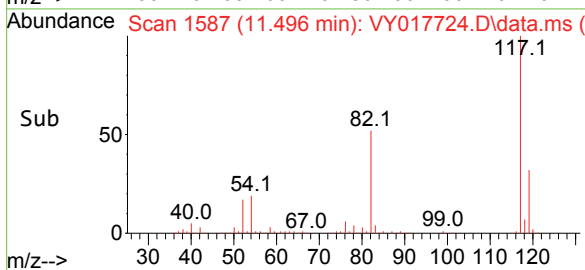
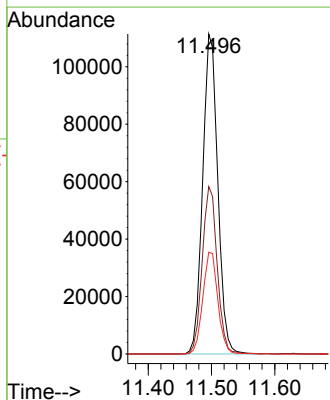
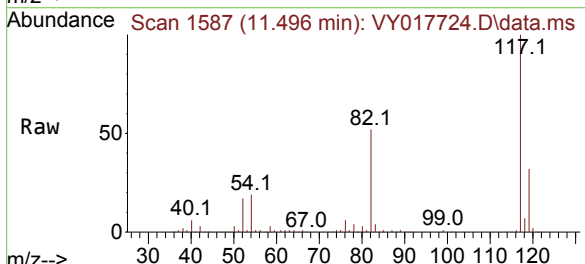
Instrument :
MSVOA_Y
ClientSampleId :

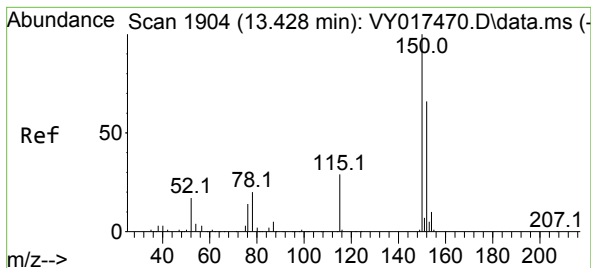
Tgt Ion: 95 Resp: 64031
Ion Ratio Lower Upper
95 100
174 91.1 0.0 175.6
176 88.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY017724.D
Acq: 20 Mar 2024 12:02

Tgt Ion: 117 Resp: 185235
Ion Ratio Lower Upper
117 100
82 52.3 42.4 63.6
119 31.8 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY017724.D

Acq: 20 Mar 2024 12:02

Instrument :

MSVOA_Y

ClientSampleId :

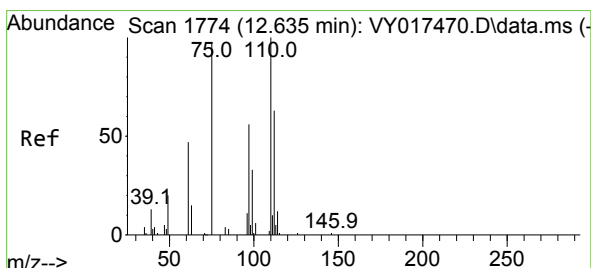
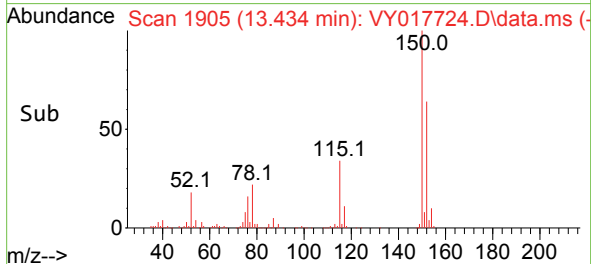
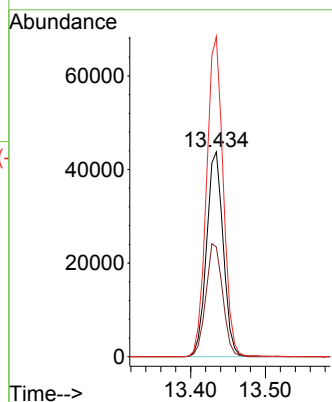
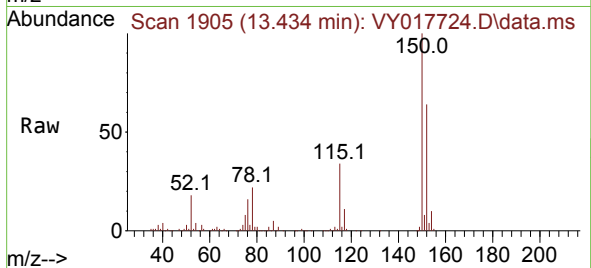
Tgt Ion:152 Resp: 67639

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

150 156.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 50.810 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017724.D

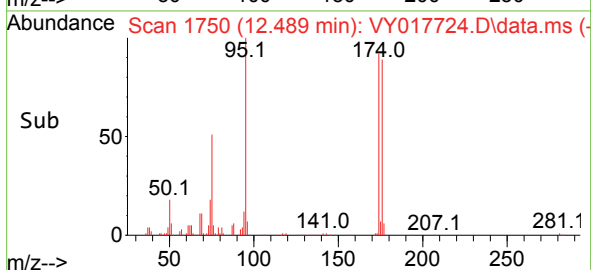
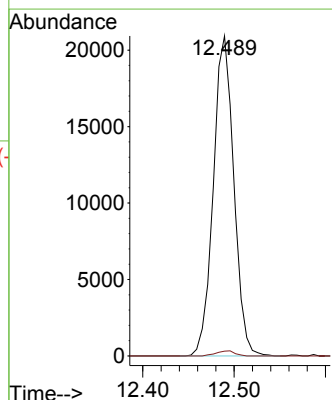
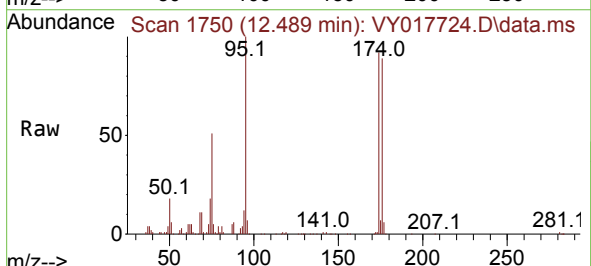
Acq: 20 Mar 2024 12:02

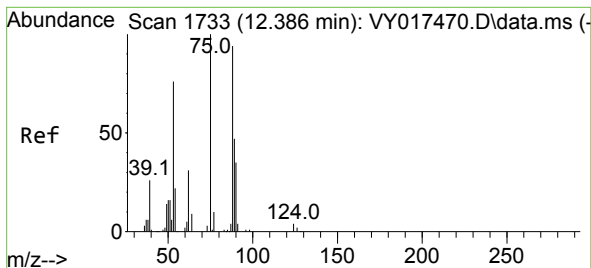
Tgt Ion: 75 Resp: 32654

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

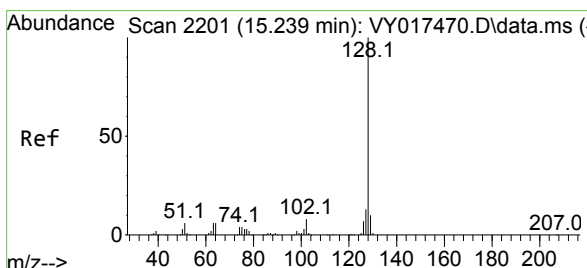
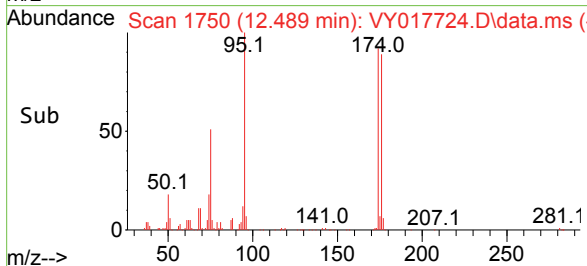
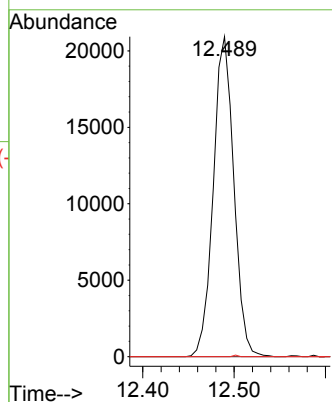
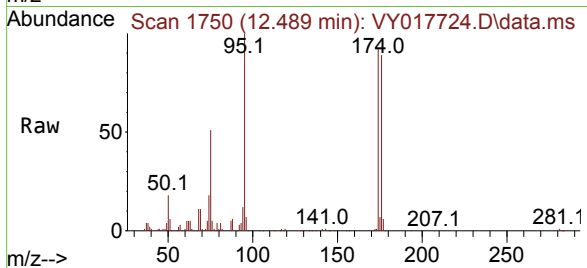




#81
trans-1,4-Dichloro-2-butene
Concen: 116.749 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY017724.D
Acq: 20 Mar 2024 12:02

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 32654
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#



#95
Naphthalene
Concen: 4.058 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.012 min
Lab File: VY017724.D
Acq: 20 Mar 2024 12:02

Tgt Ion:128 Resp: 331
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

