

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011824\
 Data File : VY017033.D
 Acq On : 18 Jan 2024 12:36
 Operator : SY/MD
 Sample : P1156-05RE
 Misc : 3.26g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 19 02:26:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

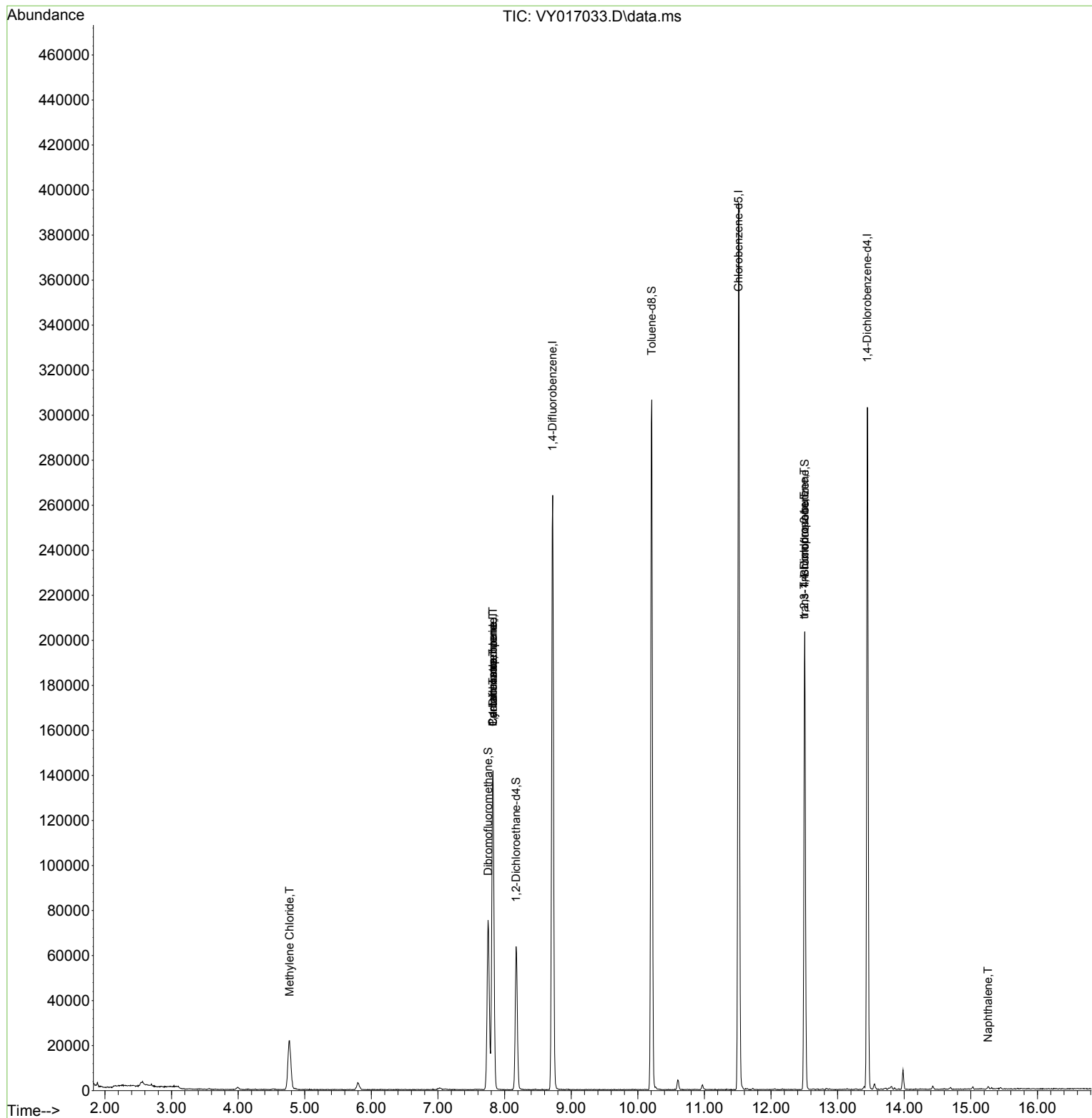
Internal Standards						
1) Pentafluorobenzene	7.826	168	110606	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	232488	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	215445	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	77094	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	48979	44.804	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.600%
35) Dibromofluoromethane	7.752	113	54698	36.921	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	73.840%
50) Toluene-d8	10.209	98	200830	39.366	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.740%
62) 4-Bromofluorobenzene	12.508	95	61798	35.904	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.800%
Target Compounds						
11) Tert butyl alcohol	4.985	59	62	Below Cal	#	75
13) Acrolein	3.777	56	20	Below Cal	#	15
16) Acetone	3.991	43	1867	Below Cal		92
20) Methylene Chloride	4.771	84	16995	5.608	ug/l	99
25) 2-Butanone	7.033	43	247	Below Cal	#	48
31) Cyclohexane	7.826	56	2432	1.296	ug/l	# 1
36) 1,1-Dichloropropene	7.826	75	9111	4.220	ug/l	# 49
38) Carbon Tetrachloride	7.826	117	11432	5.212	ug/l	# 17
76) 1,2,3-Trichloropropane	12.502	75	32372	38.694	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.502	75	32372	87.865	ug/l	# 12
95) Naphthalene	15.257	128	1162	1.129	ug/l	# 90

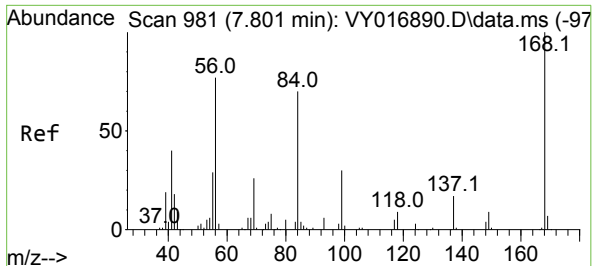
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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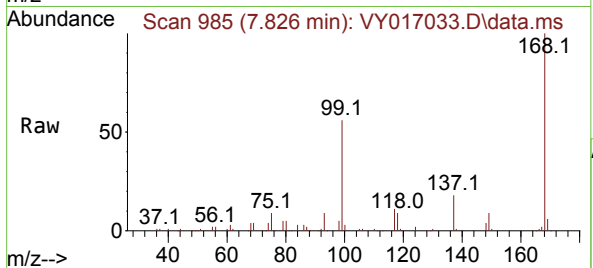
Quant Time: Jan 19 02:26:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
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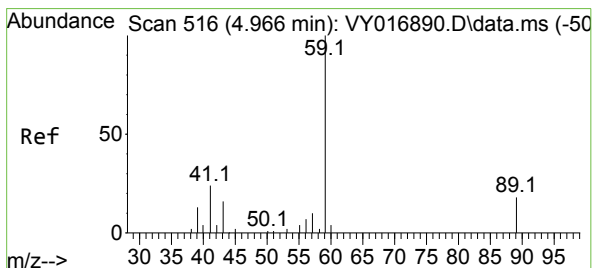
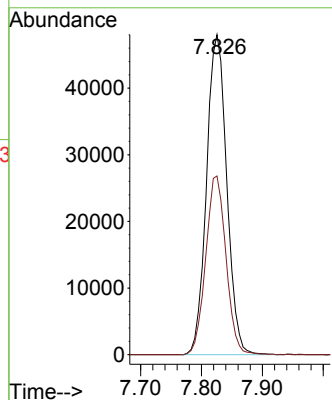
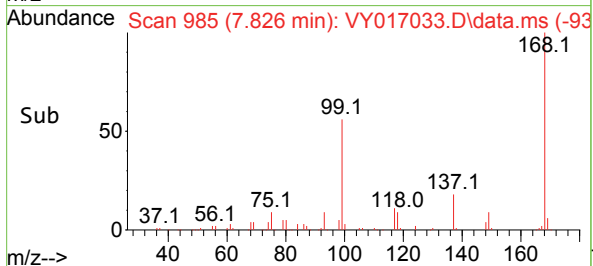


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.826 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY017033.D
Acq: 18 Jan 2024 12:36

Instrument :
MSVOA_Y
ClientSampleId :

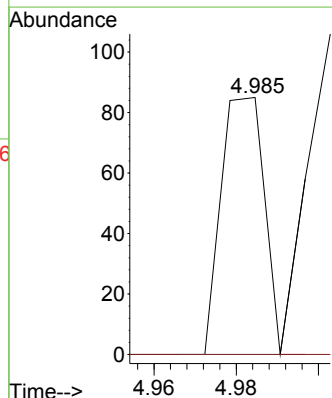
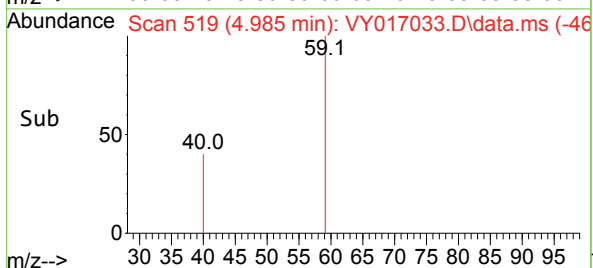
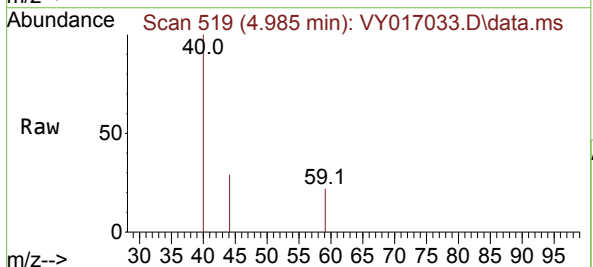


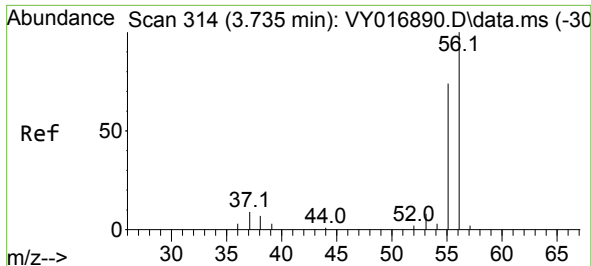
Tgt Ion:168 Resp: 110606
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.985 min Scan# 519
Delta R.T. 0.019 min
Lab File: VY017033.D
Acq: 18 Jan 2024 12:36

Tgt Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#13

Acrolein

Concen: Below Cal

RT: 3.777 min Scan# 31

Delta R.T. 0.036 min

Lab File: VY017033.D

Acq: 18 Jan 2024 12:36

Instrument :

MSVOA_Y

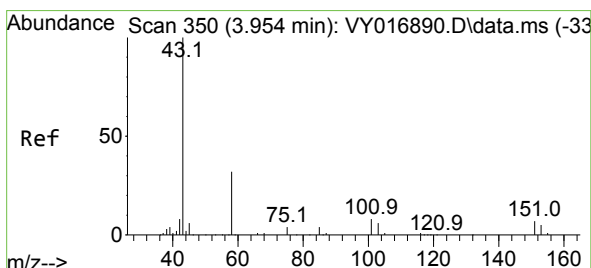
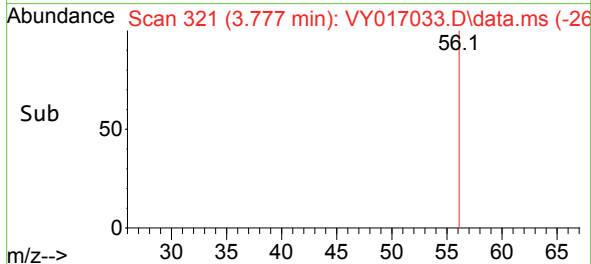
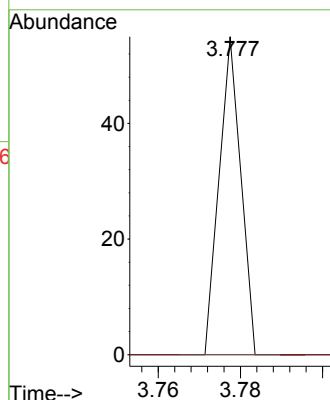
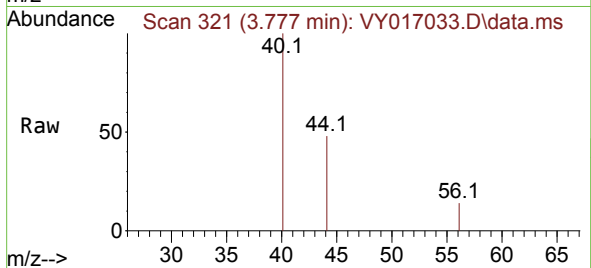
ClientSampleId :

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



#16

Acetone

Concen: Below Cal

RT: 3.991 min Scan# 356

Delta R.T. 0.031 min

Lab File: VY017033.D

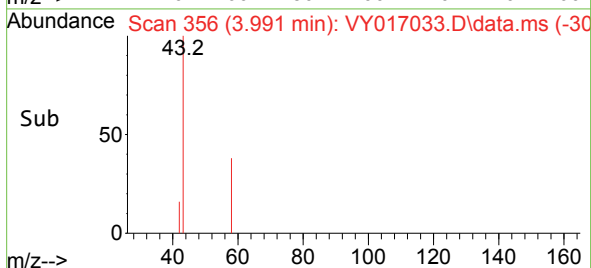
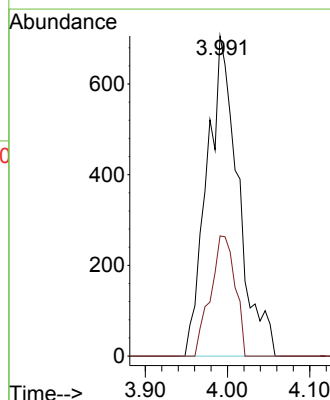
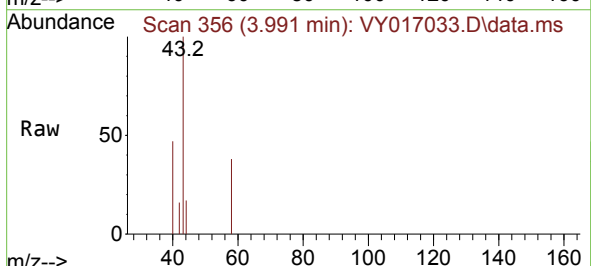
Acq: 18 Jan 2024 12:36

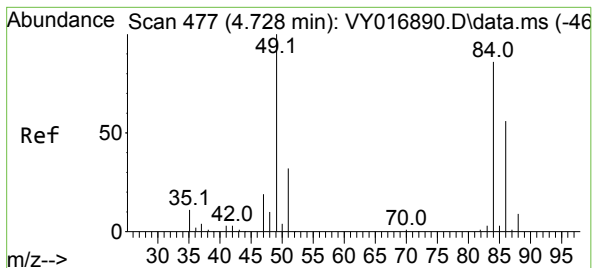
Tgt Ion: 43 Resp: 1867

Ion Ratio Lower Upper

43 100

58 37.5 26.6 39.8





#20

Methylene Chloride

Concen: 5.608 ug/l

RT: 4.771 min Scan# 41

Delta R.T. 0.037 min

Lab File: VY017033.D

Acq: 18 Jan 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 16995

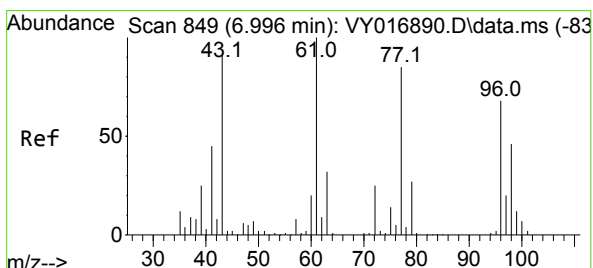
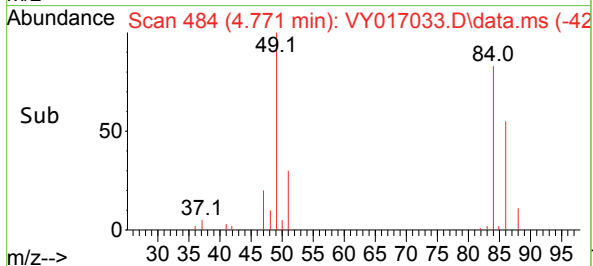
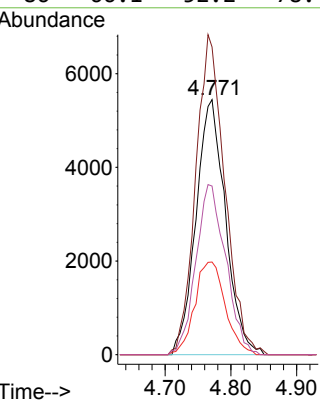
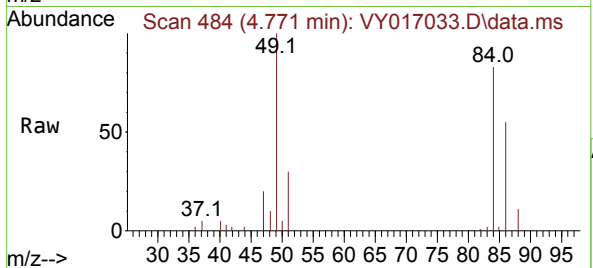
Ion Ratio Lower Upper

84 100

49 120.6 95.2 142.8

51 36.3 29.9 44.9

86 66.1 52.2 78.4



#25

2-Butanone

Concen: Below Cal

RT: 7.033 min Scan# 855

Delta R.T. 0.037 min

Lab File: VY017033.D

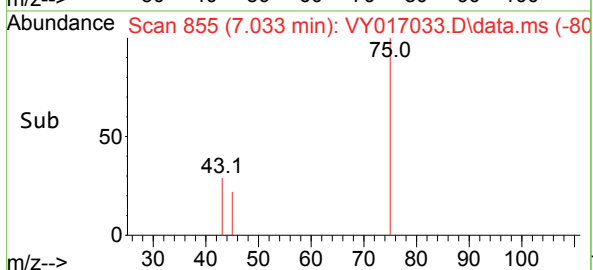
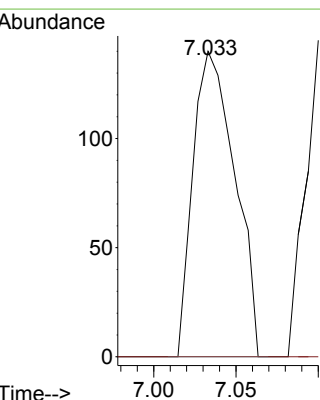
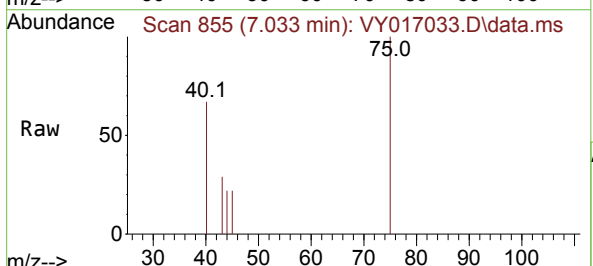
Acq: 18 Jan 2024 12:36

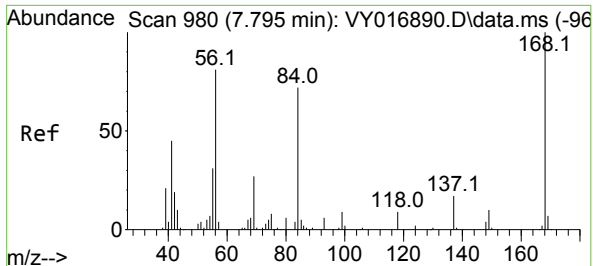
Tgt Ion: 43 Resp: 247

Ion Ratio Lower Upper

43 100

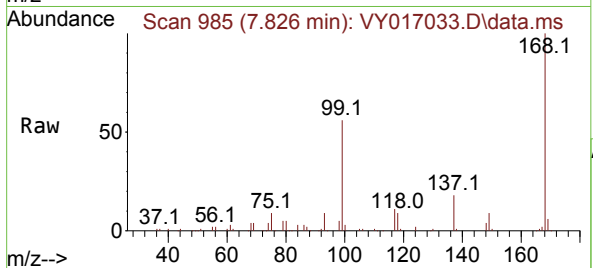
72 0.0 21.4 32.2#



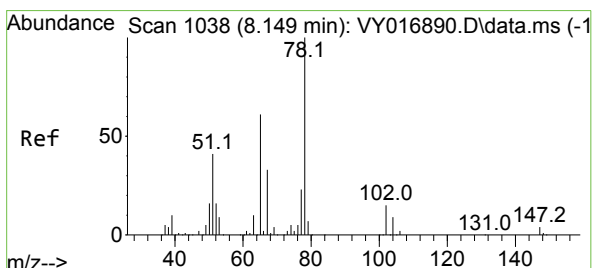
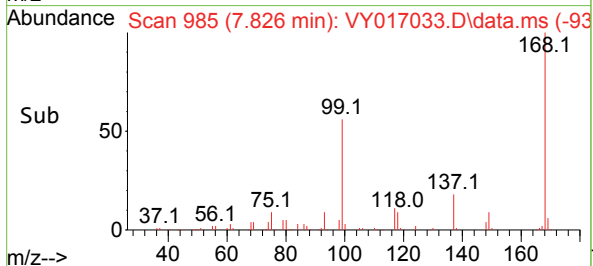
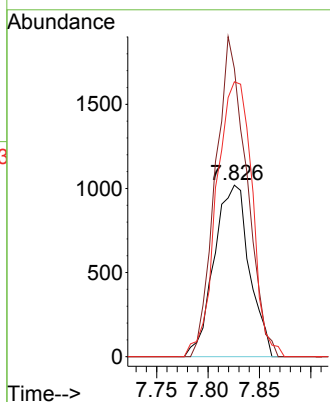


#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.826 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY017033.D
Acq: 18 Jan 2024 12:36

Instrument :
MSVOA_Y
ClientSampleId :

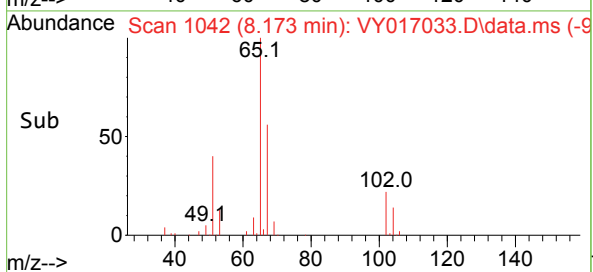
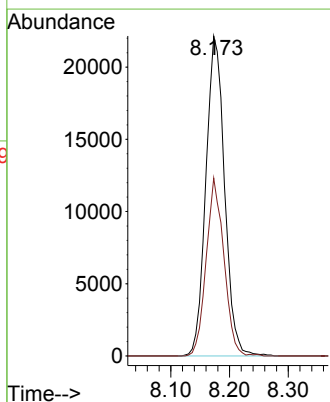
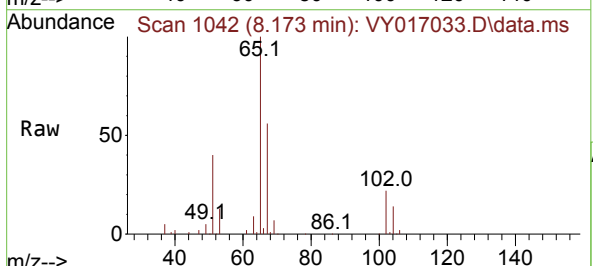


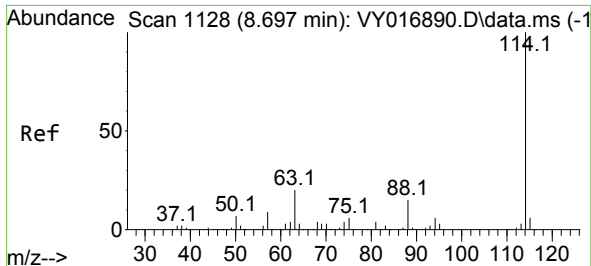
Tgt Ion: 56 Resp: 2432
Ion Ratio Lower Upper
56 100
69 167.9 27.0 40.6#
84 160.2 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 44.804 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.018 min
Lab File: VY017033.D
Acq: 18 Jan 2024 12:36

Tgt Ion: 65 Resp: 48979
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.722 min Scan# 1128

Delta R.T. 0.019 min

Lab File: VY017033.D

Acq: 18 Jan 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

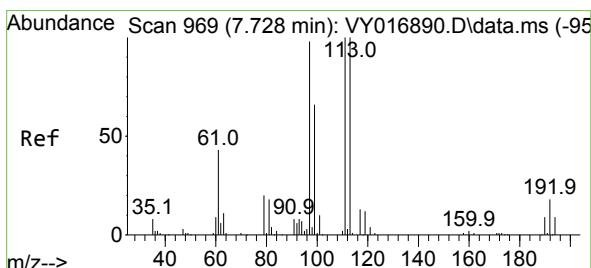
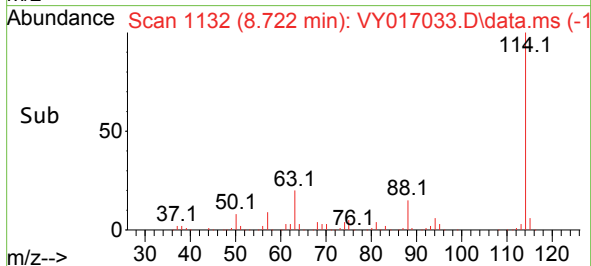
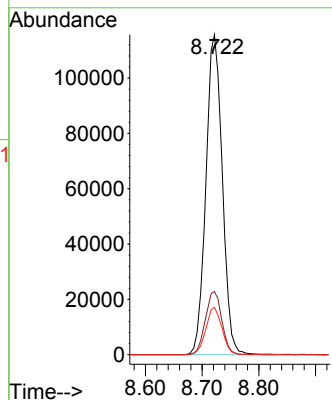
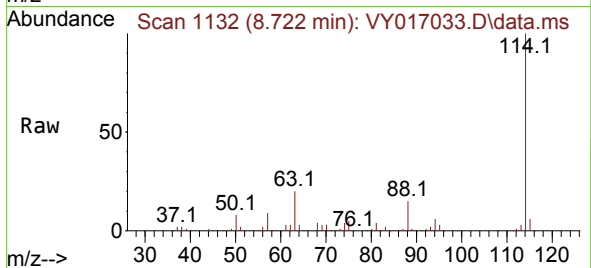
Tgt Ion:114 Resp: 232488

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 36.921 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.024 min

Lab File: VY017033.D

Acq: 18 Jan 2024 12:36

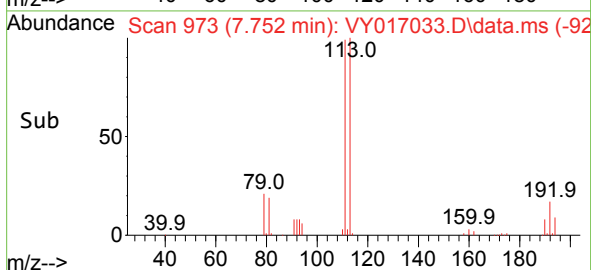
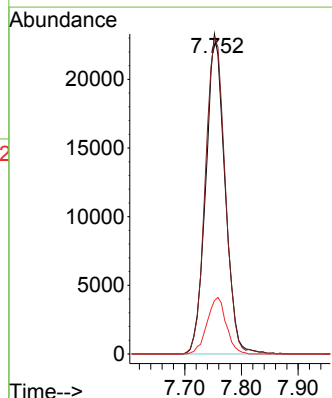
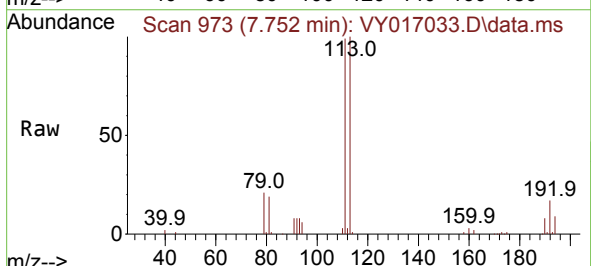
Tgt Ion:113 Resp: 54698

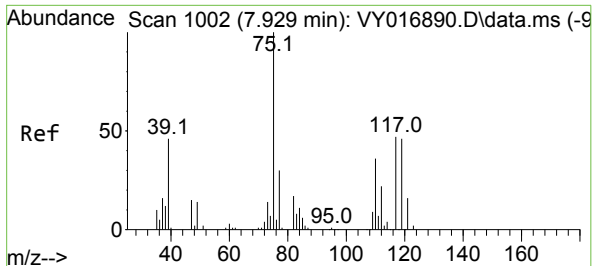
Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.6

192 17.6 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.220 ug/l

RT: 7.826 min Scan# 91

Delta R.T. -0.103 min

Lab File: VY017033.D

Acq: 18 Jan 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

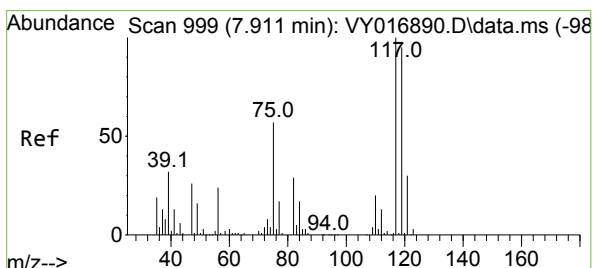
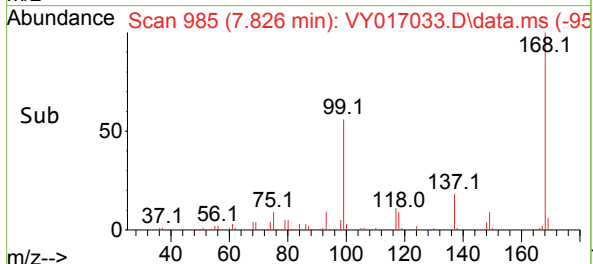
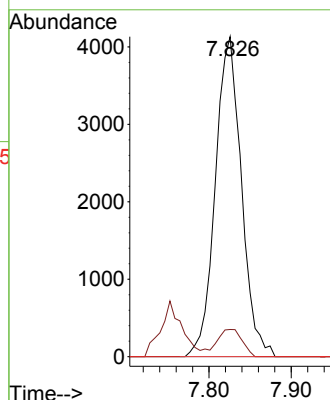
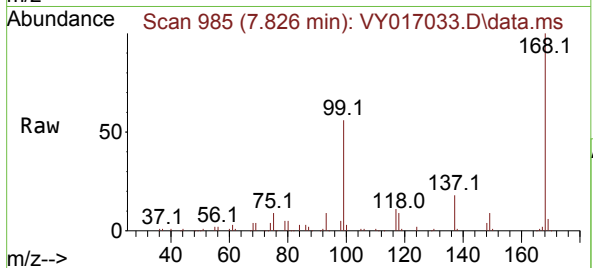
Tgt Ion: 75 Resp: 9111

Ion Ratio Lower Upper

75 100

110 7.8 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.212 ug/l

RT: 7.826 min Scan# 985

Delta R.T. -0.091 min

Lab File: VY017033.D

Acq: 18 Jan 2024 12:36

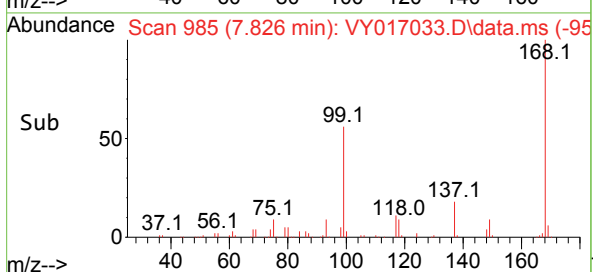
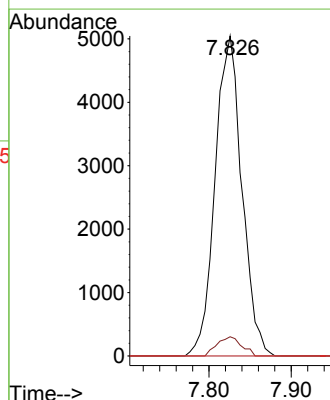
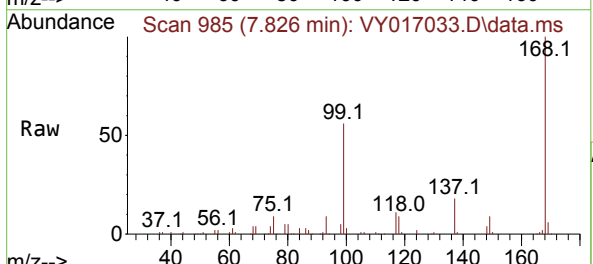
Tgt Ion: 117 Resp: 11432

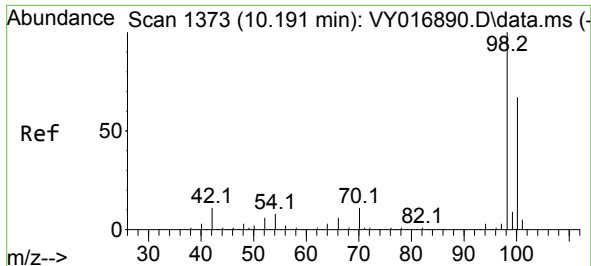
Ion Ratio Lower Upper

117 100

119 6.0 76.0 114.0#

121 0.0 24.2 36.2#

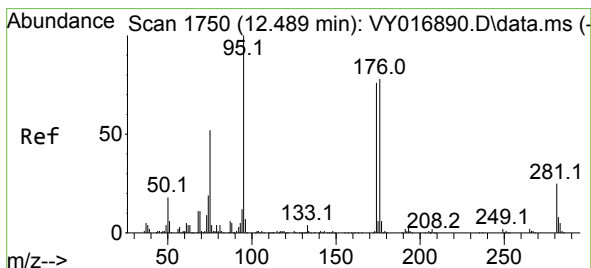
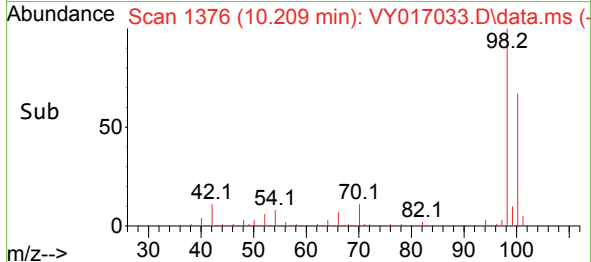
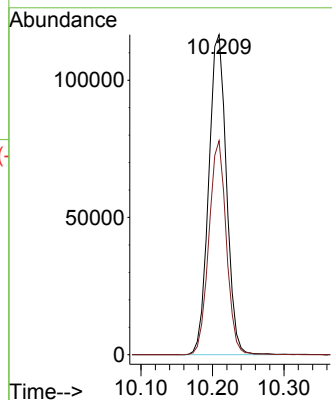
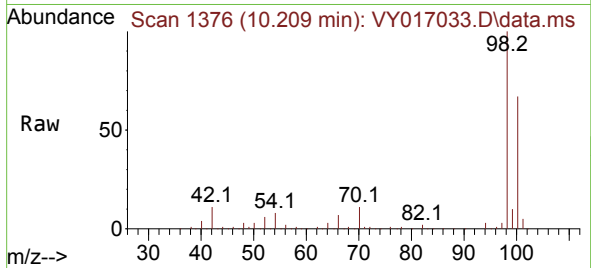




#50
Toluene-d8
Concen: 39.366 ug/l
RT: 10.209 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY017033.D
Acq: 18 Jan 2024 12:36

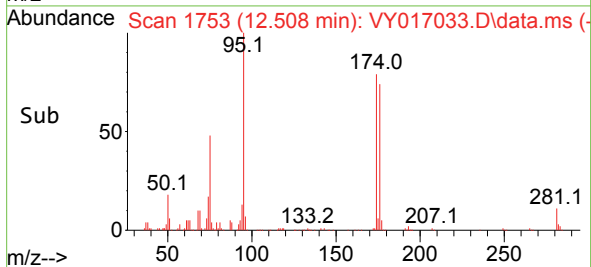
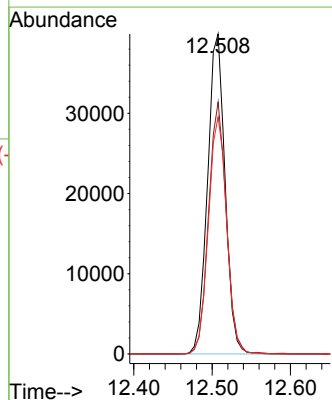
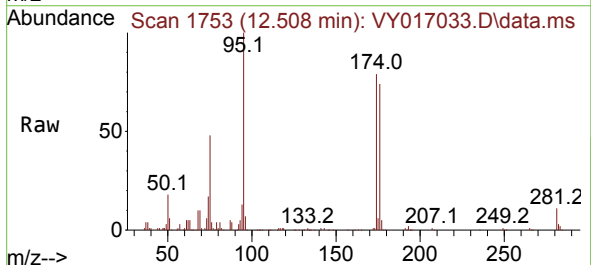
Instrument :
MSVOA_Y
ClientSampleId :

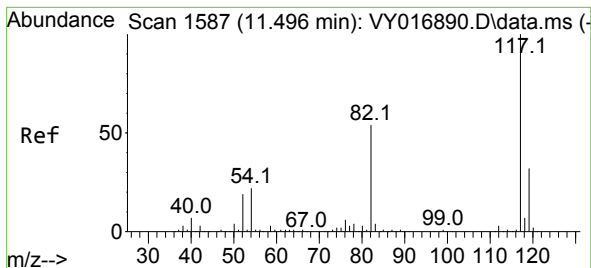
Tgt Ion: 98 Resp: 200830
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 35.904 ug/l
RT: 12.508 min Scan# 1753
Delta R.T. 0.019 min
Lab File: VY017033.D
Acq: 18 Jan 2024 12:36

Tgt Ion: 95 Resp: 61798
Ion Ratio Lower Upper
95 100
174 80.0 0.0 160.0
176 77.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY017033.D

Acq: 18 Jan 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

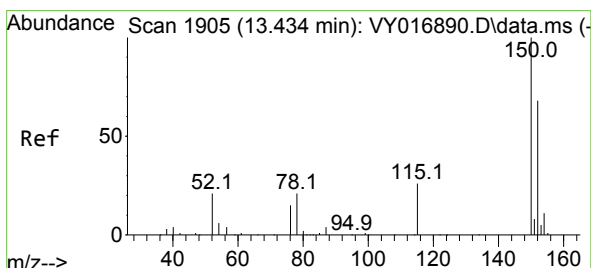
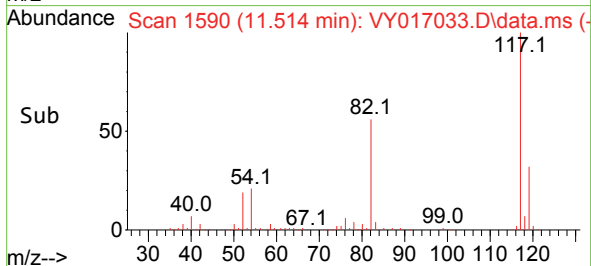
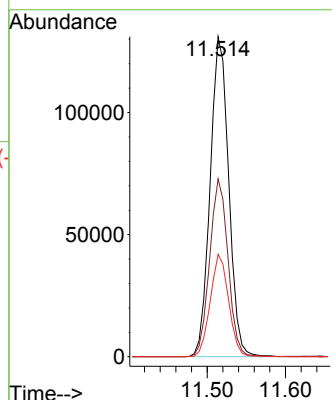
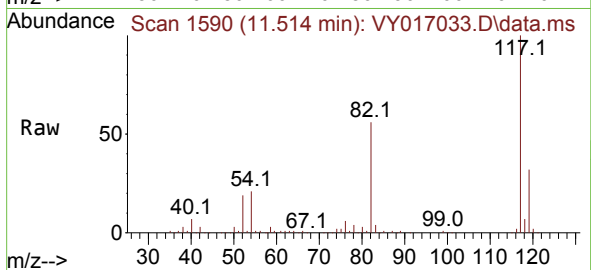
Tgt Ion:117 Resp: 215445

Ion Ratio Lower Upper

117 100

82 55.5 43.8 65.8

119 32.0 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY017033.D

Acq: 18 Jan 2024 12:36

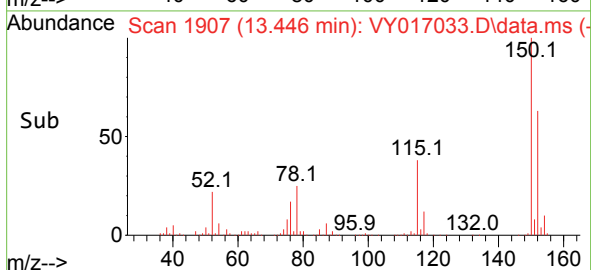
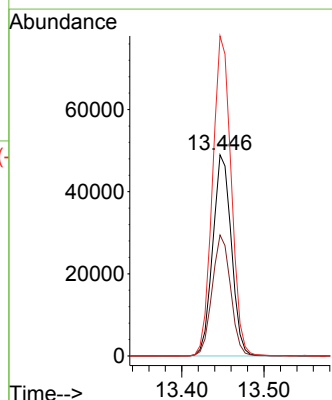
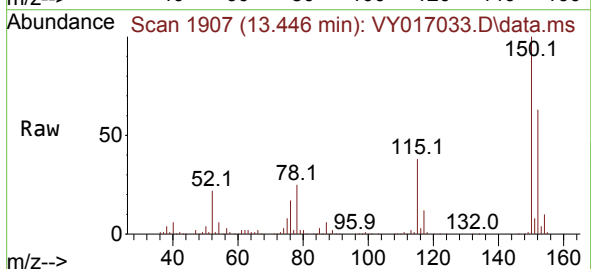
Tgt Ion:152 Resp: 77094

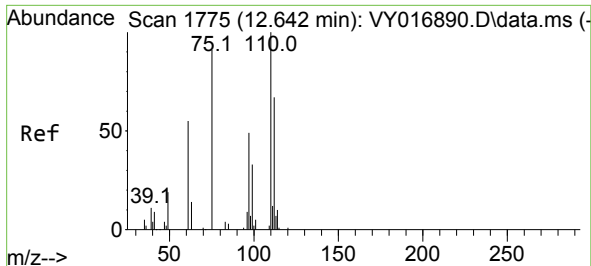
Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.0

150 159.4 0.0 344.6

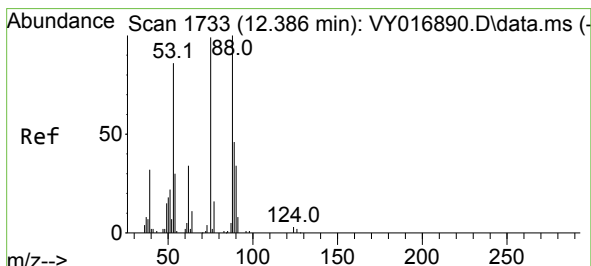
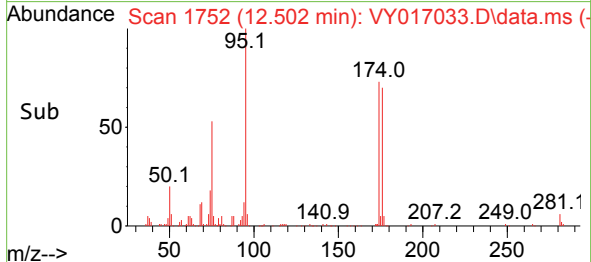
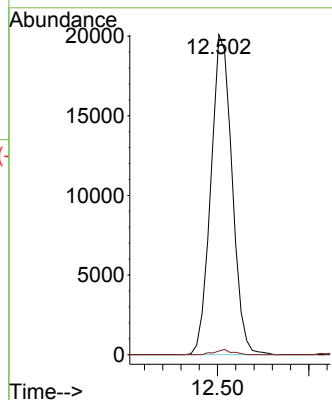
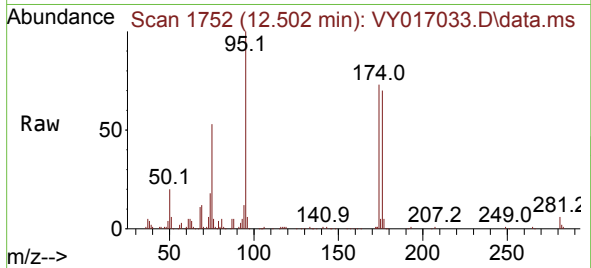




#76
1,2,3-Trichloropropane
Concen: 38.694 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. -0.140 min
Lab File: VY017033.D
Acq: 18 Jan 2024 12:36

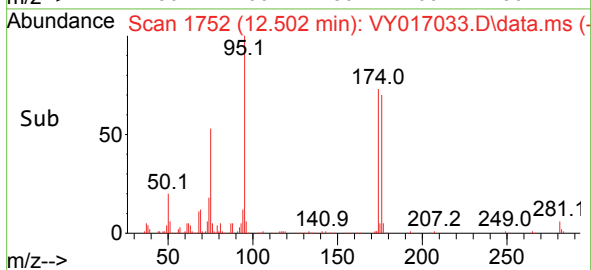
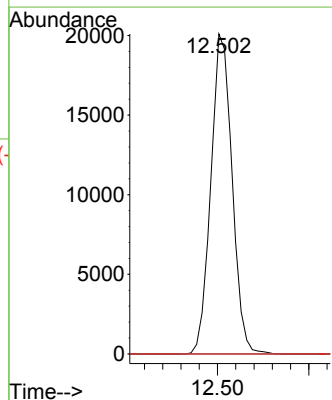
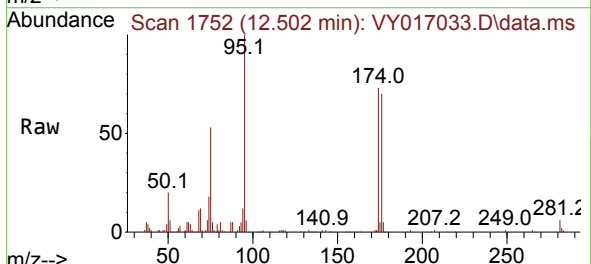
Instrument :
MSVOA_Y
ClientSampleId :

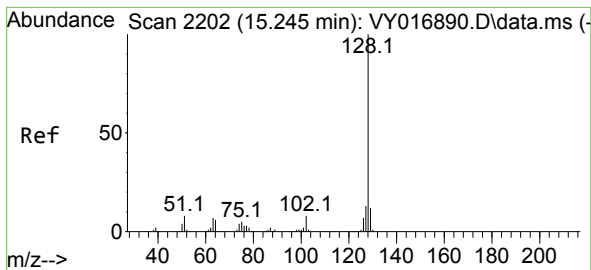
Tgt Ion: 75 Resp: 32372
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.865 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.117 min
Lab File: VY017033.D
Acq: 18 Jan 2024 12:36

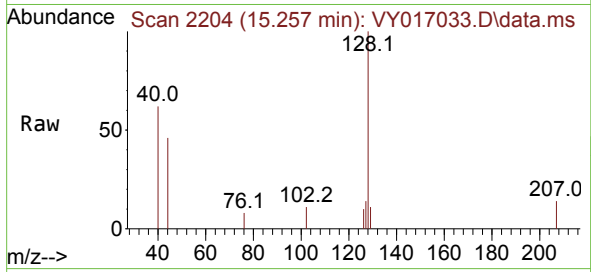
Tgt Ion: 75 Resp: 32372
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#





#95
Naphthalene
Concen: 1.129 ug/l
RT: 15.257 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY017033.D
Acq: 18 Jan 2024 12:36

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	1162
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.4
129	3.9	8.6	12.8#

