

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011224\
 Data File : VY016998.D
 Acq On : 12 Jan 2024 17:18
 Operator : SY/MD
 Sample : P1119-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 13 00:08:36 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)

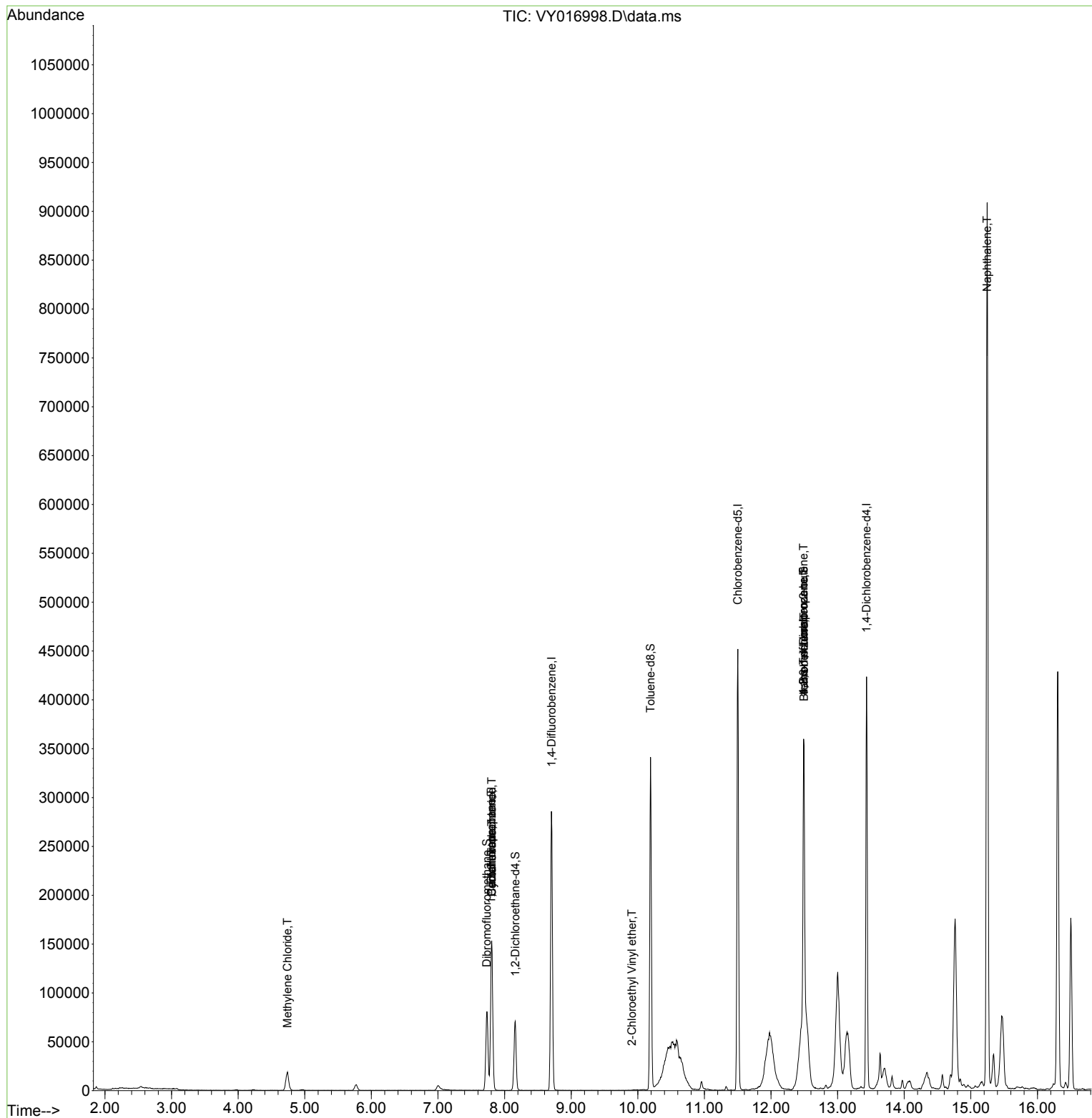
Internal Standards						
1) Pentafluorobenzene	7.807	168	118985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	245973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	244462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	104845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	54860	46.650	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.300%
35) Dibromofluoromethane	7.734	113	58335	37.217	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.440%
50) Toluene-d8	10.191	98	217011	40.206	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.420%
62) 4-Bromofluorobenzene	12.489	95	82511	45.310	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.620%
Target Compounds						
2) Dichlorodifluoromethane	1.918	85	45	Below Cal	#	40
11) Tert butyl alcohol	4.972	59	626	Below Cal	#	75
16) Acetone	3.991	43	981	Below Cal	#	71
20) Methylene Chloride	4.741	84	14592	2.920	ug/l	97
25) 2-Butanone	6.996	43	127	Below Cal	#	48
31) Cyclohexane	7.807	56	2446	1.212	ug/l	# 1
36) 1,1-Dichloropropene	7.801	75	9948	4.355	ug/l	# 50
38) Carbon Tetrachloride	7.807	117	11963	5.155	ug/l	# 17
58) 2-Chloroethyl Vinyl ether	9.910	63	23	17.468	ug/l	# 47
76) 1,2,3-Trichloropropane	12.489	75	48764	42.860	ug/l	# 100
77) Bromobenzene	12.495	156	161692	85.777	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.489	75	48764	97.324	ug/l	# 13
95) Naphthalene	15.245	128	748530	193.612	ug/l	100

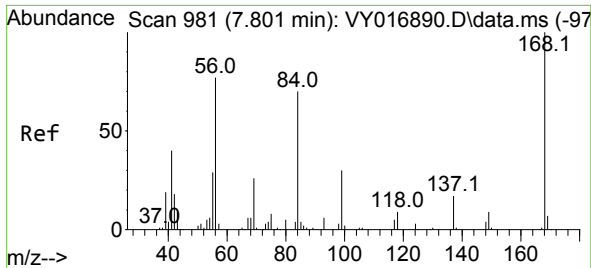
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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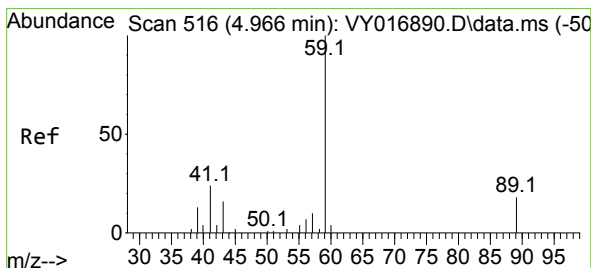
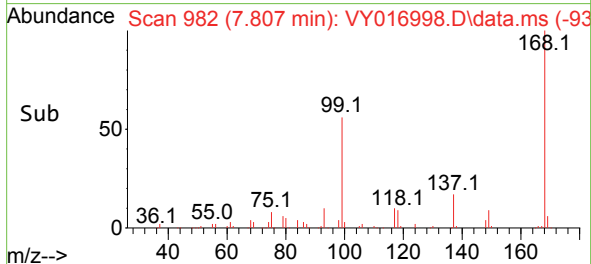
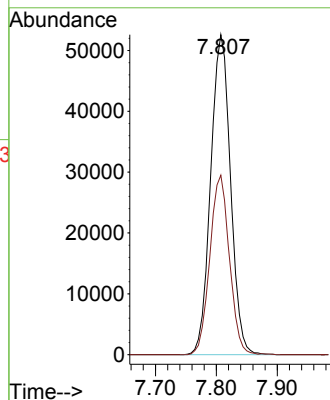
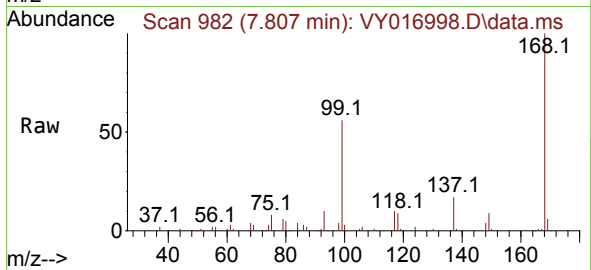




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016998.D
Acq: 12 Jan 2024 17:18

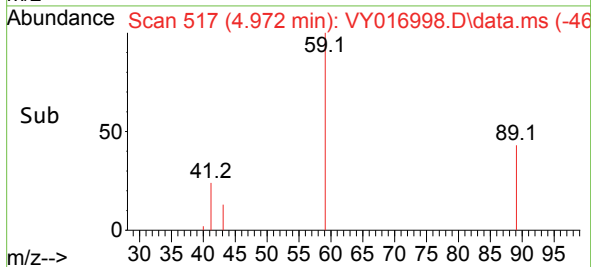
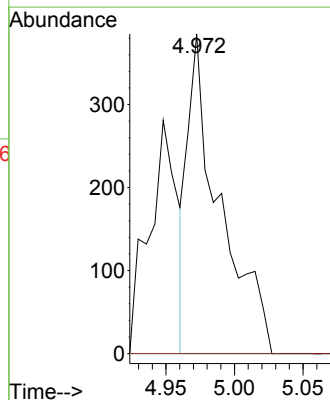
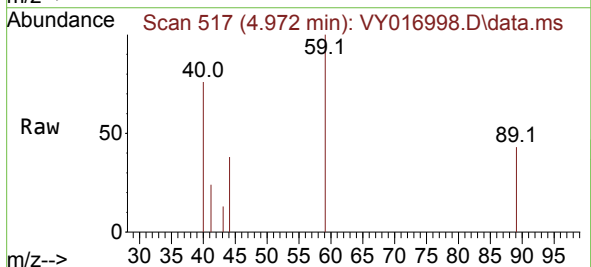
Instrument :
MSVOA_Y
ClientSampleId :

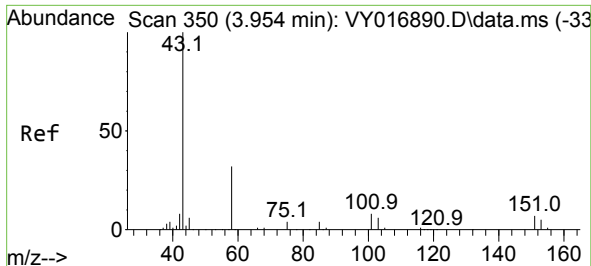
Tgt Ion:168 Resp: 118985
Ion Ratio Lower Upper
168 100
99 56.1 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016998.D
Acq: 12 Jan 2024 17:18

Tgt Ion: 59 Resp: 626
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: Below Cal

RT: 3.991 min Scan# 3

Delta R.T. 0.031 min

Lab File: VY016998.D

Acq: 12 Jan 2024 17:18

Instrument :

MSVOA_Y

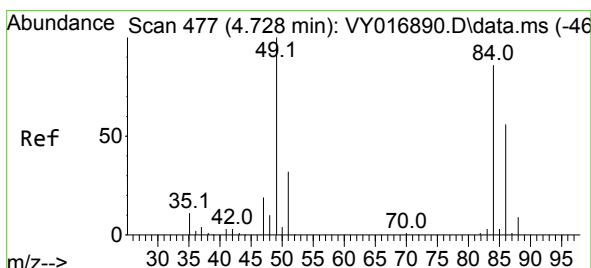
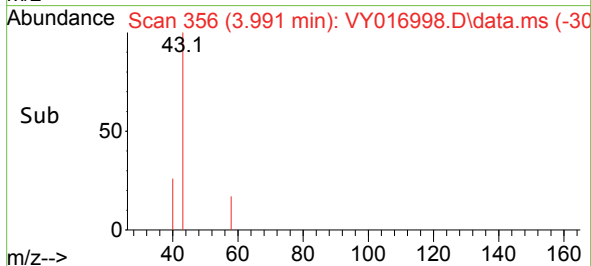
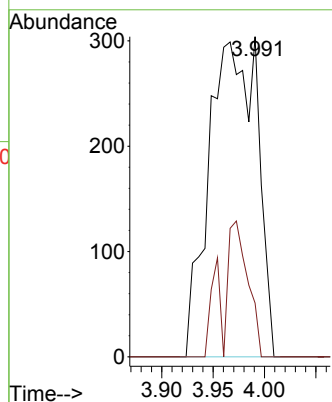
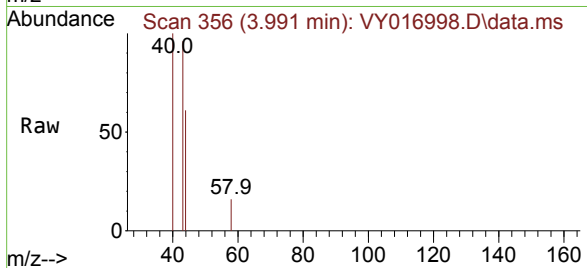
ClientSampleId :

Tgt Ion: 43 Resp: 981

Ion Ratio Lower Upper

43 100

58 16.8 26.6 39.8#



#20

Methylene Chloride

Concen: 2.920 ug/l

RT: 4.741 min Scan# 479

Delta R.T. 0.007 min

Lab File: VY016998.D

Acq: 12 Jan 2024 17:18

Tgt Ion: 84 Resp: 14592

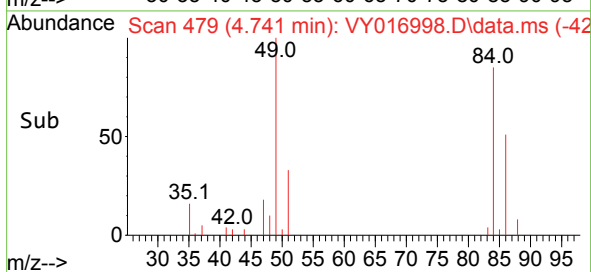
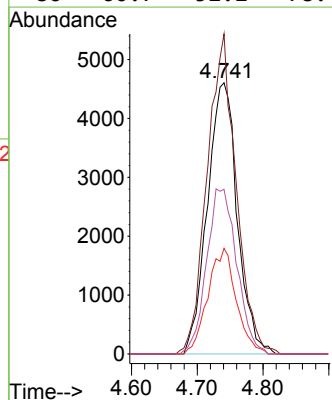
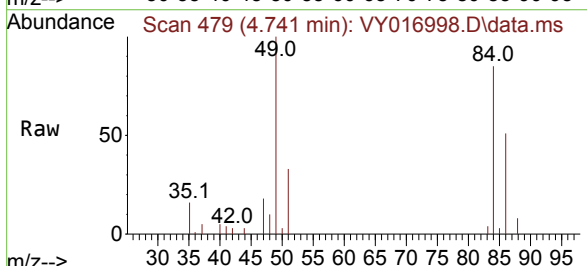
Ion Ratio Lower Upper

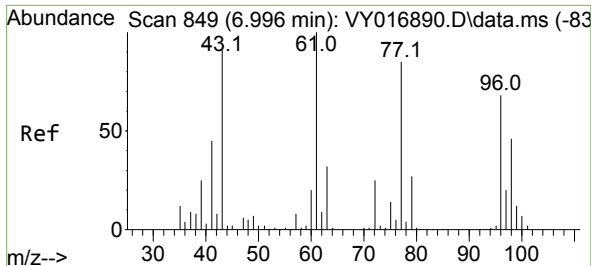
84 100

49 118.0 95.2 142.8

51 38.9 29.9 44.9

86 60.7 52.2 78.4





#25

2-Butanone

Concen: Below Cal

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY016998.D

Acq: 12 Jan 2024 17:18

Instrument :

MSVOA_Y

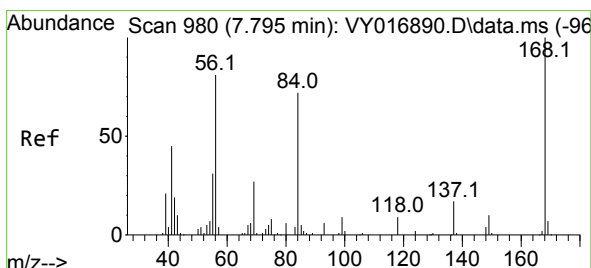
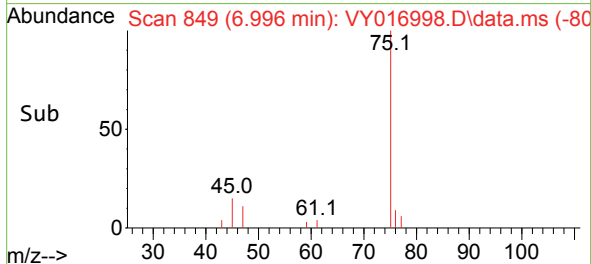
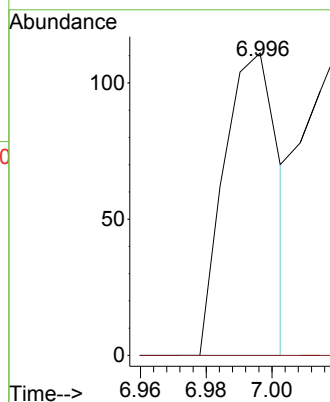
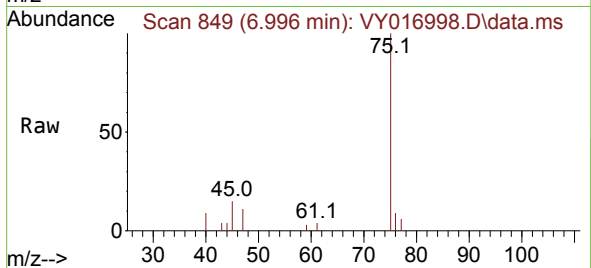
ClientSampleId :

Tgt Ion: 43 Resp: 127

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY016998.D

Acq: 12 Jan 2024 17:18

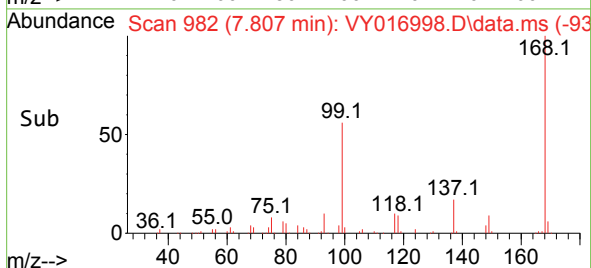
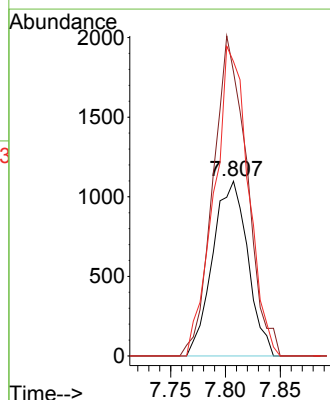
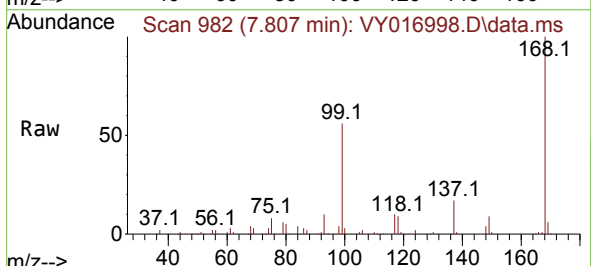
Tgt Ion: 56 Resp: 2446

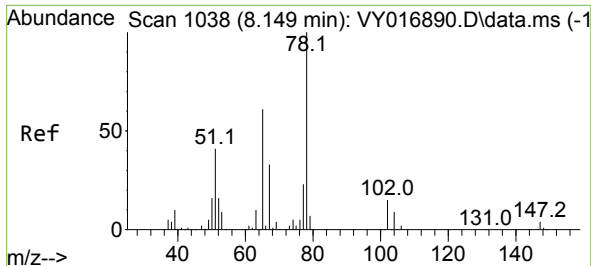
Ion Ratio Lower Upper

56 100

69 162.7 27.0 40.6#

84 168.4 71.8 107.6#

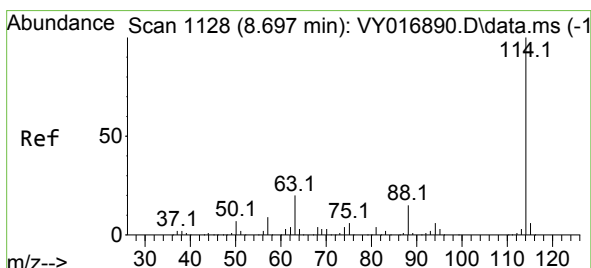
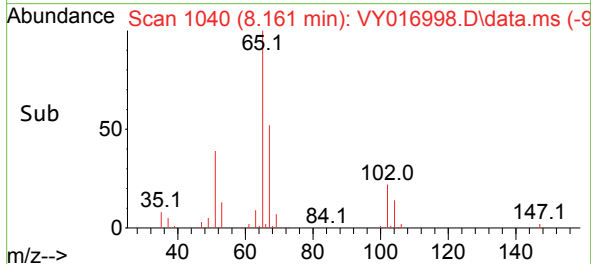
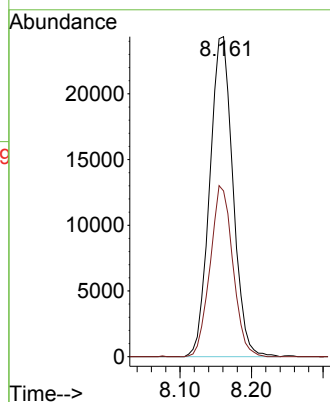
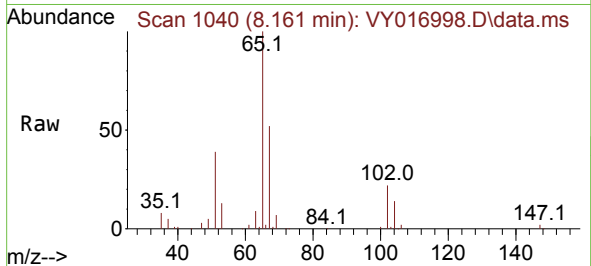




#33
 1,2-Dichloroethane-d4
 Concen: 46.650 ug/l
 RT: 8.161 min Scan# 110
 Delta R.T. 0.006 min
 Lab File: VY016998.D
 Acq: 12 Jan 2024 17:18

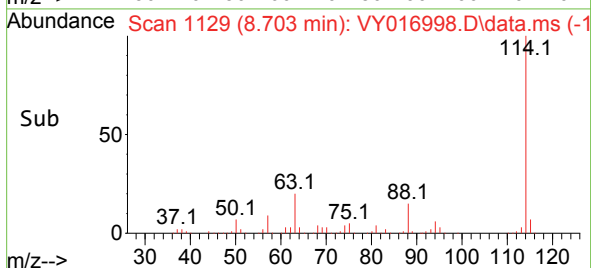
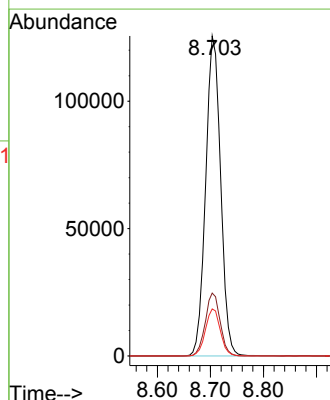
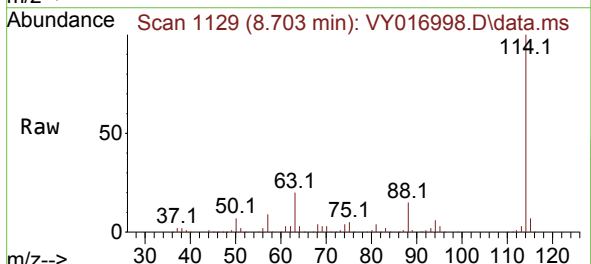
Instrument :
 MSVOA_Y
 ClientSampleId :

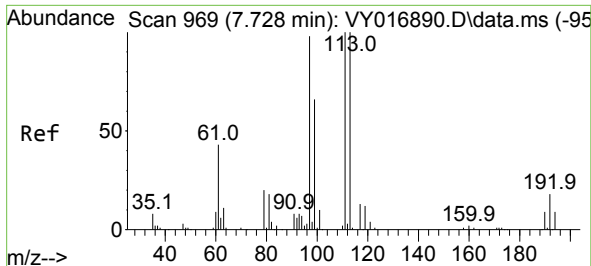
Tgt Ion: 65 Resp: 54860
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.703 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VY016998.D
 Acq: 12 Jan 2024 17:18

Tgt Ion: 114 Resp: 245973
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 37.4
 88 14.7 0.0 29.0

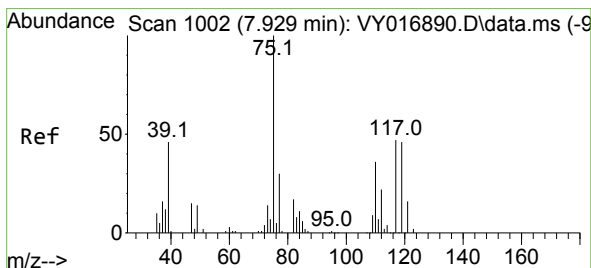
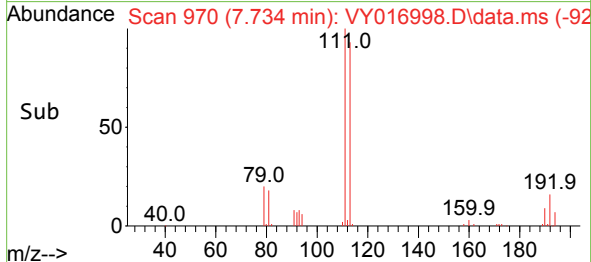
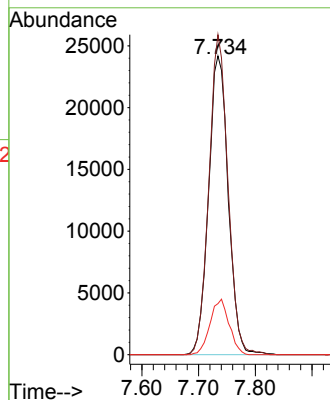
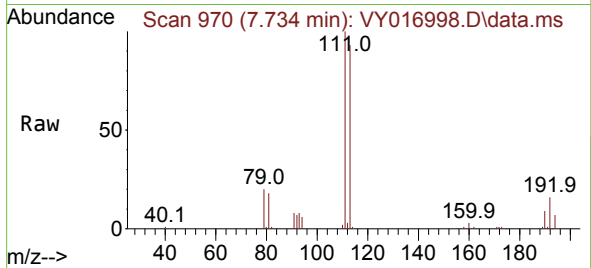




#35
Dibromofluoromethane
Concen: 37.217 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016998.D
Acq: 12 Jan 2024 17:18

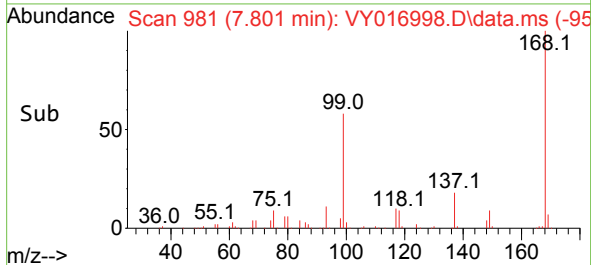
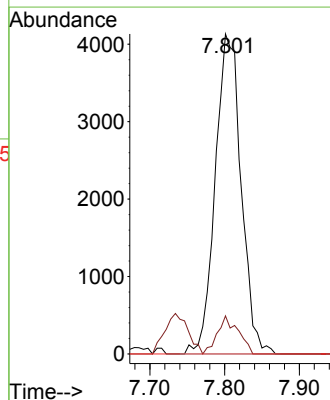
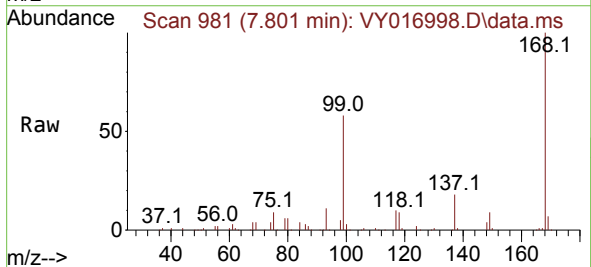
Instrument :
MSVOA_Y
ClientSampleId :

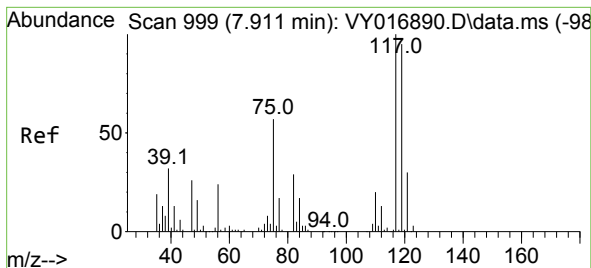
Tgt Ion:113 Resp: 58335
Ion Ratio Lower Upper
113 100
111 103.4 83.8 125.6
192 18.0 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.355 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY016998.D
Acq: 12 Jan 2024 17:18

Tgt Ion: 75 Resp: 9948
Ion Ratio Lower Upper
75 100
110 9.5 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.155 ug/l

RT: 7.807 min Scan# 91

Delta R.T. -0.110 min

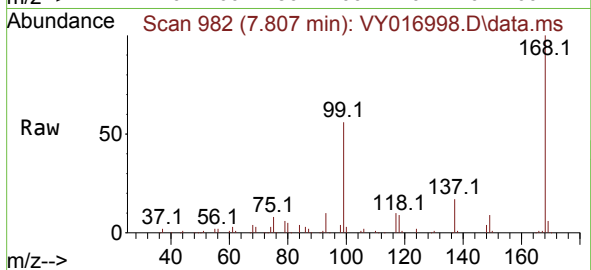
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Acq: 12 Jan 2024 17:18

Instrument :

MSVOA_Y

ClientSampleId :



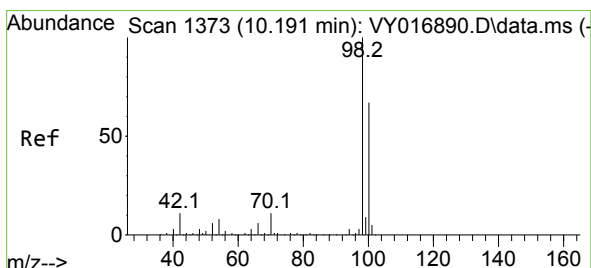
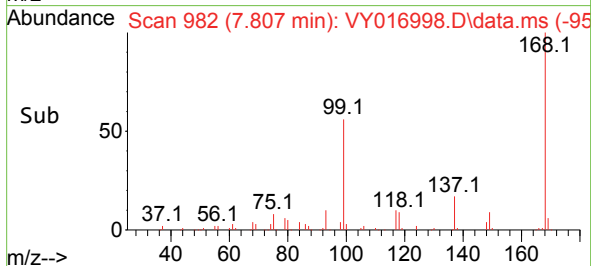
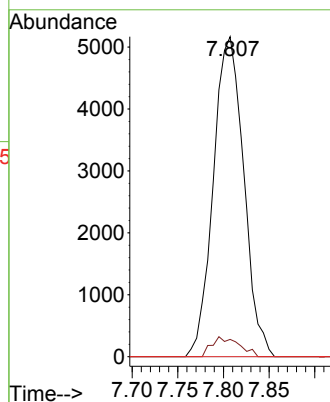
Tgt Ion:117 Resp: 11963

Ion Ratio Lower Upper

117 100

119 5.4 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 40.206 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY016998.D

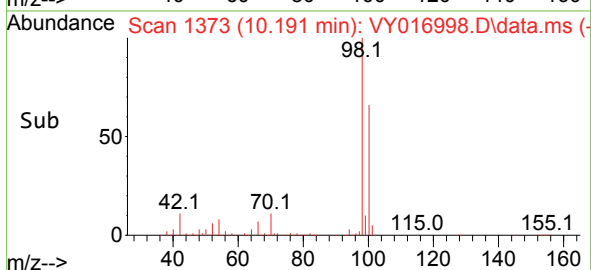
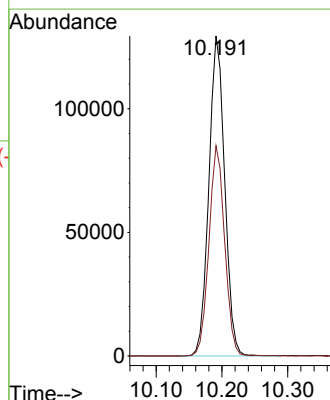
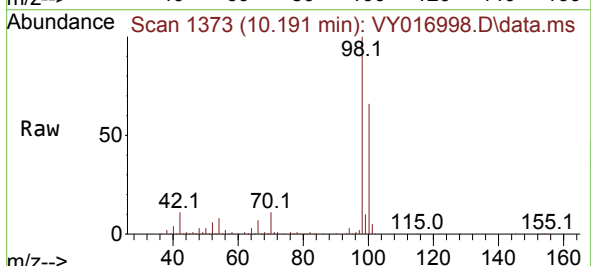
Acq: 12 Jan 2024 17:18

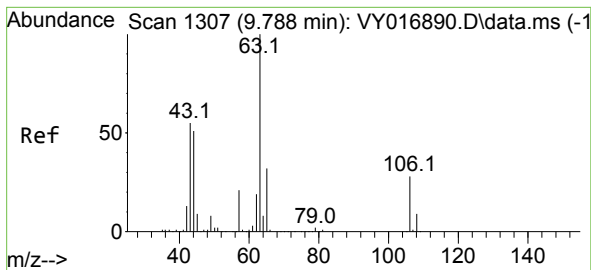
Tgt Ion: 98 Resp: 217011

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5

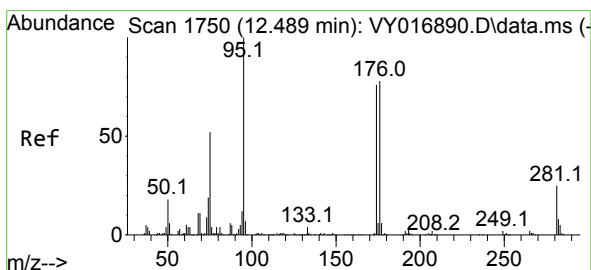
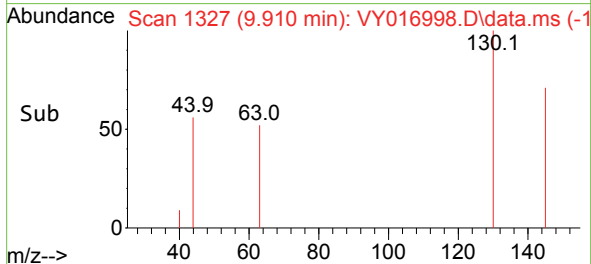
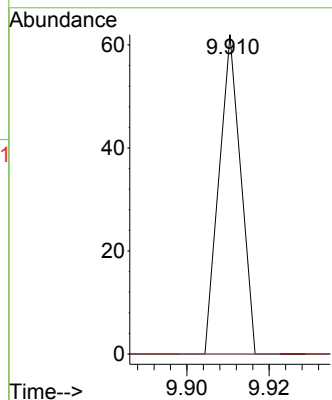
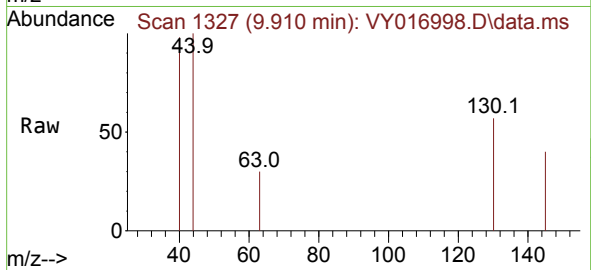




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.468 ug/l
 RT: 9.910 min Scan# 11
 Delta R.T. 0.122 min
 Lab File: VY016998.D
 Acq: 12 Jan 2024 17:18

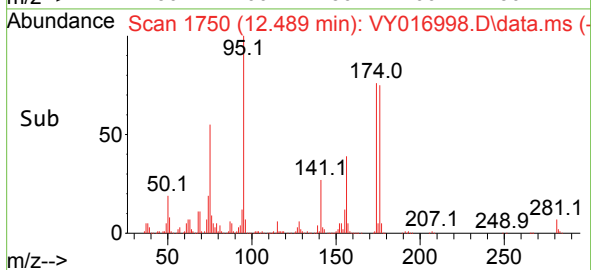
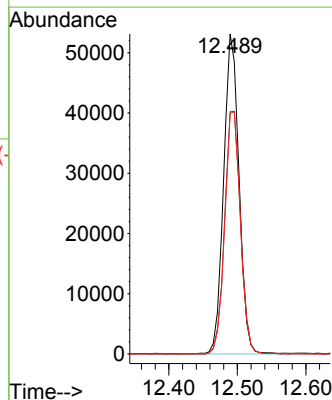
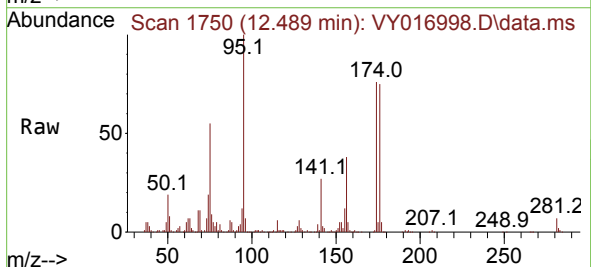
Instrument :
 MSVOA_Y
 ClientSampleId :

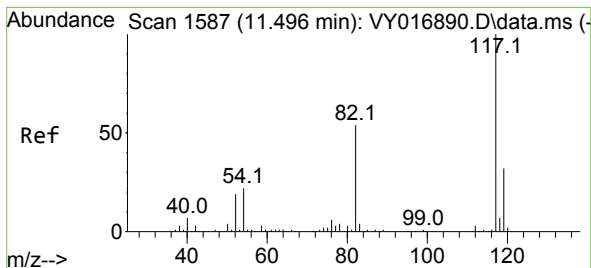
Tgt Ion: 63 Resp: 23
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.4 33.6#



#62
 4-Bromofluorobenzene
 Concen: 45.310 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. 0.000 min
 Lab File: VY016998.D
 Acq: 12 Jan 2024 17:18

Tgt Ion: 95 Resp: 82511
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 160.0
 176 76.8 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016998.D

Acq: 12 Jan 2024 17:18

Instrument :

MSVOA_Y

ClientSampleId :

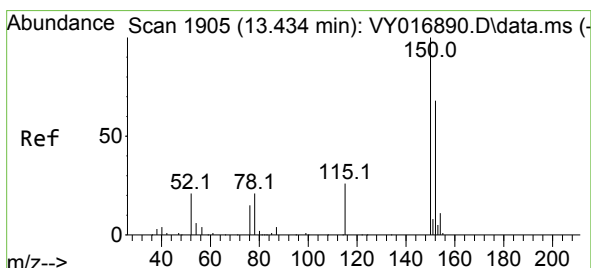
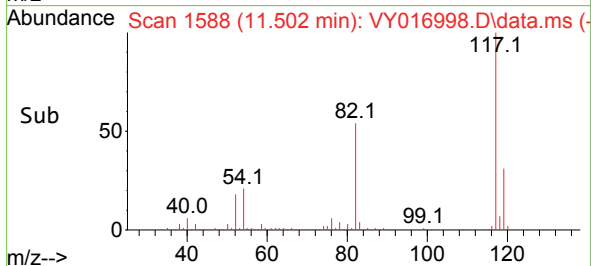
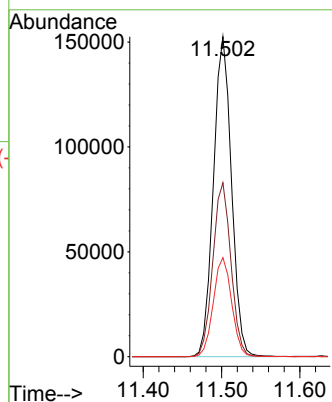
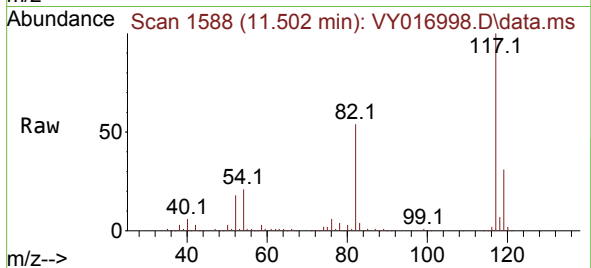
Tgt Ion:117 Resp: 244462

Ion Ratio Lower Upper

117 100

82 54.3 43.8 65.8

119 31.0 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY016998.D

Acq: 12 Jan 2024 17:18

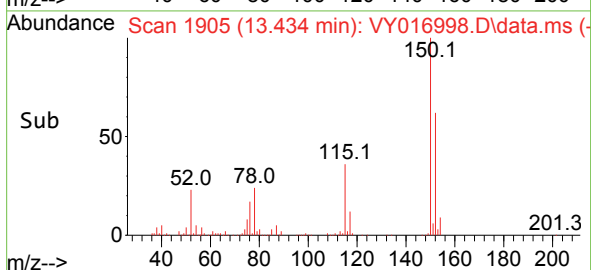
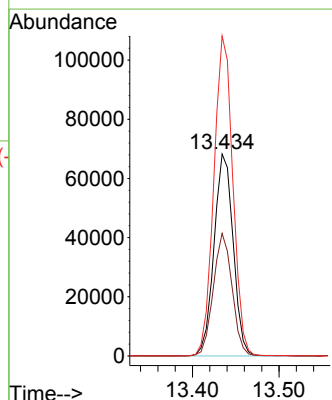
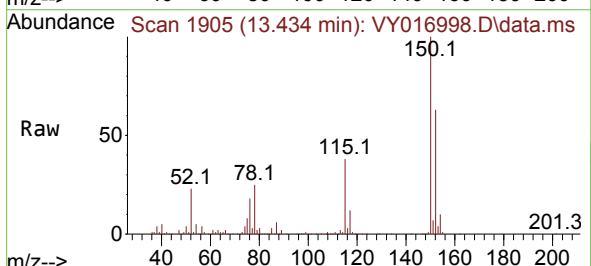
Tgt Ion:152 Resp: 104845

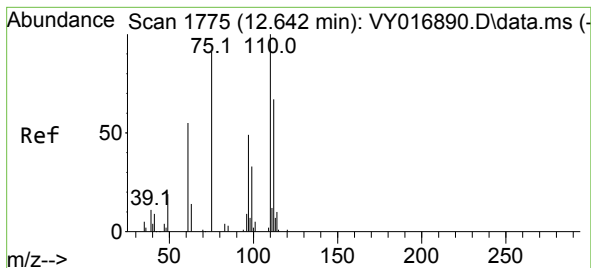
Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

150 157.4 0.0 344.6

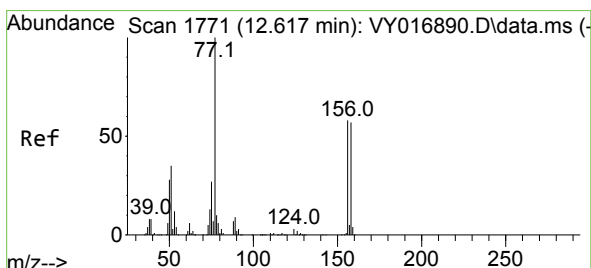
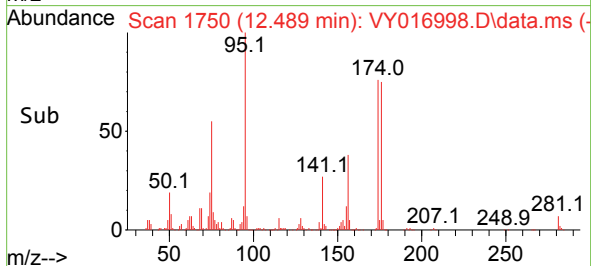
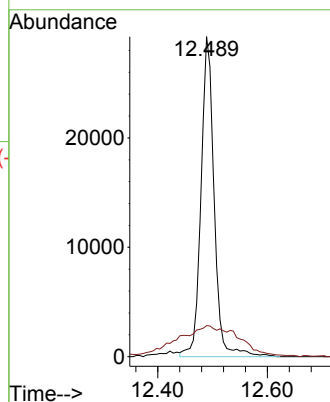
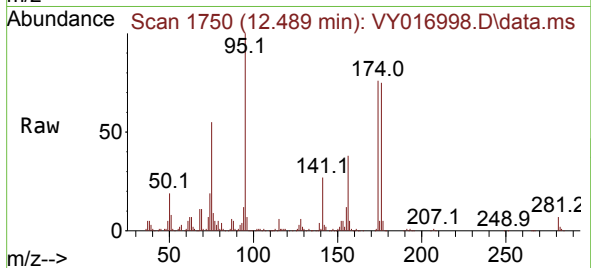




#76
1,2,3-Trichloropropane
Concen: 42.860 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.153 min
Lab File: VY016998.D
Acq: 12 Jan 2024 17:18

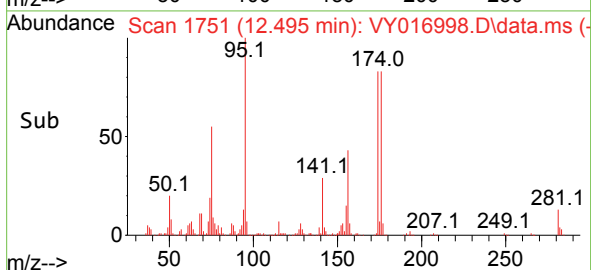
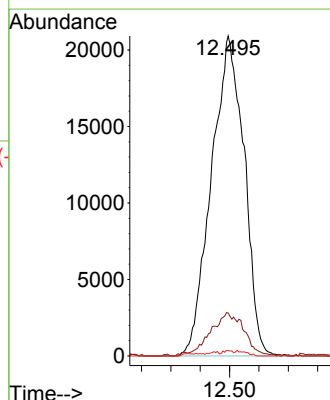
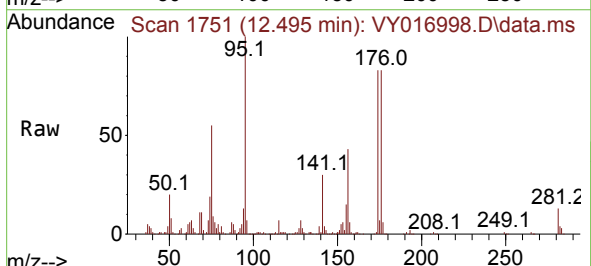
Instrument :
MSVOA_Y
ClientSampleId :

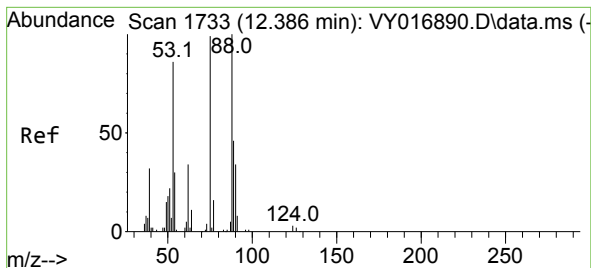
Tgt Ion: 75 Resp: 48764
Ion Ratio Lower Upper
75 100
77 42.5 0.0 0.0#



#77
Bromobenzene
Concen: 85.777 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.122 min
Lab File: VY016998.D
Acq: 12 Jan 2024 17:18

Tgt Ion:156 Resp: 161692
Ion Ratio Lower Upper
156 100
77 13.0 97.3 291.8#
158 0.4 48.4 145.0#

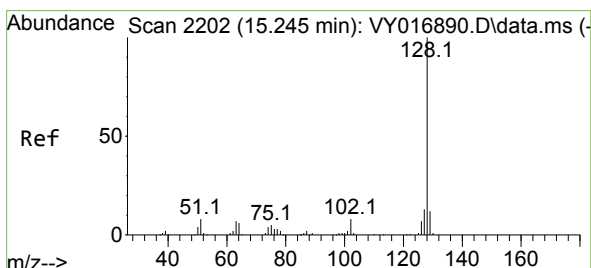
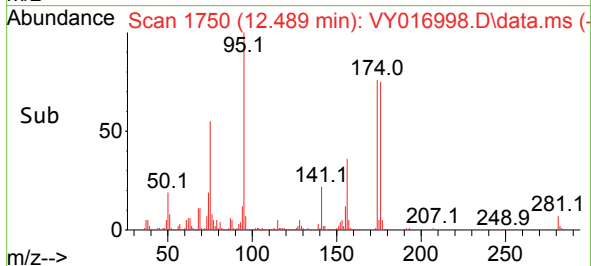
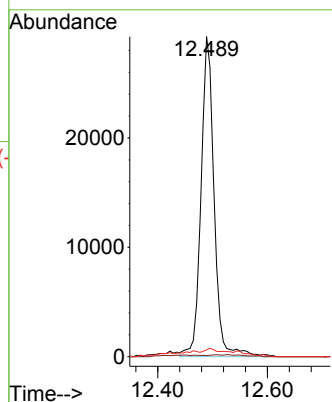
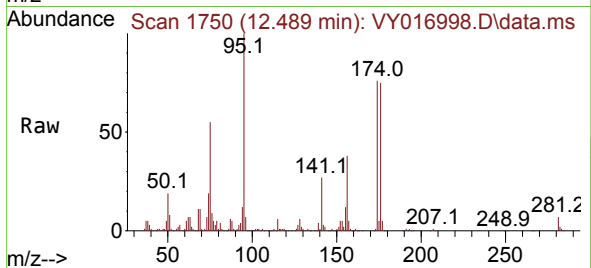




#81
trans-1,4-Dichloro-2-butene
Concen: 97.324 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016998.D
Acq: 12 Jan 2024 17:18

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 48764
Ion Ratio Lower Upper
75 100
53 0.1 74.0 111.0#
89 1.6 36.5 54.7#



#95
Naphthalene
Concen: 193.612 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY016998.D
Acq: 12 Jan 2024 17:18

Tgt Ion:128 Resp: 748530
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.0 8.6 12.8

