

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112423\
 Data File : VY016478.D
 Acq On : 24 Nov 2023 12:45
 Operator : SY/MD
 Sample : 05469-03RE
 Misc : 4.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 27 04:44:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

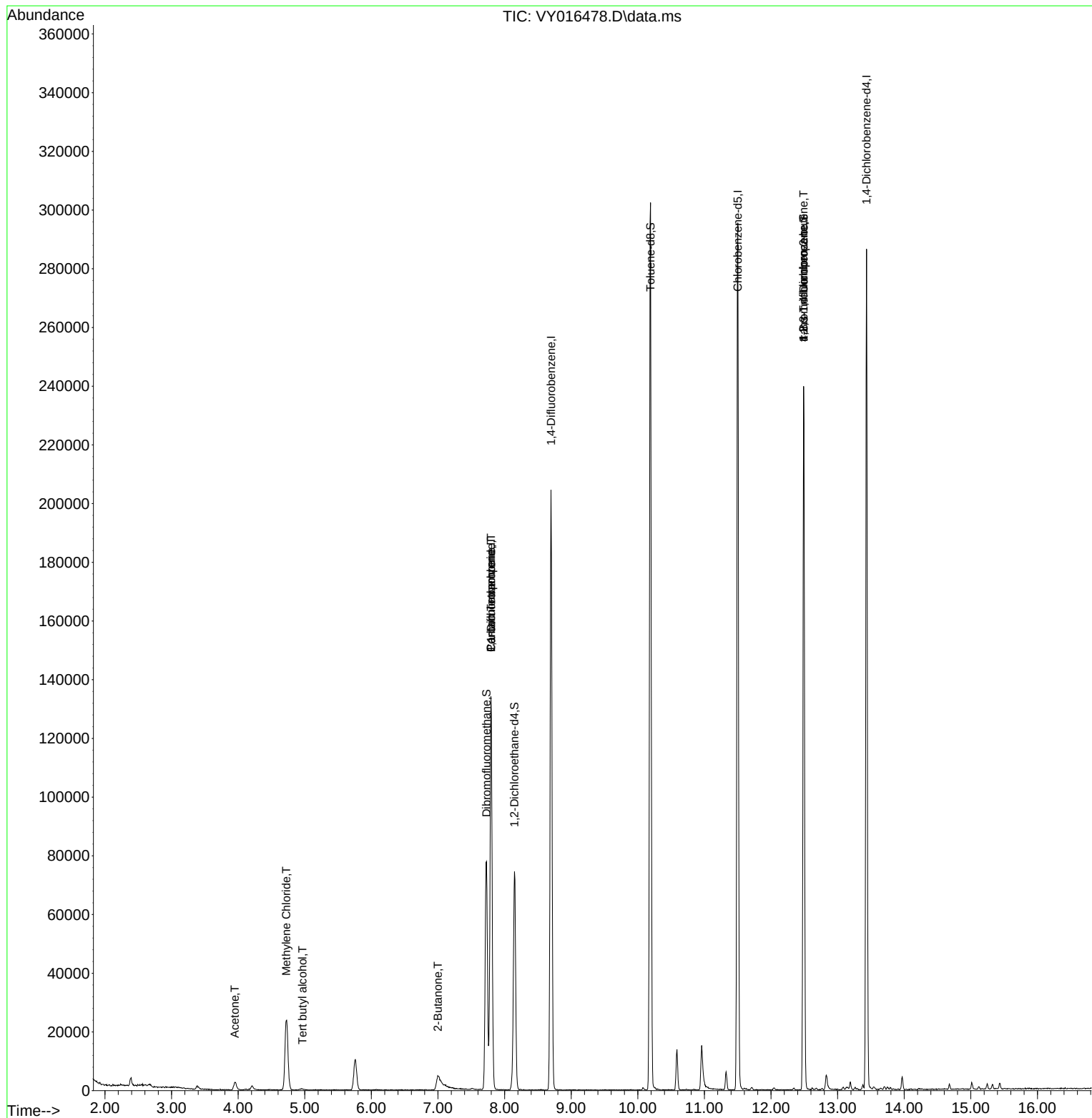
Internal Standards						
1) Pentafluorobenzene	7.795	168	106657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	184548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	176543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	78792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	60139	61.693	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.380%	
35) Dibromofluoromethane	7.728	113	57704	55.043	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.080%	
50) Toluene-d8	10.191	98	212498	49.985	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.960%	
62) 4-Bromofluorobenzene	12.489	95	74306	53.816	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.640%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	800	10.480	ug/l #	89
16) Acetone	3.948	43	5062	31.393	ug/l #	85
20) Methylene Chloride	4.722	84	20890	15.970	ug/l #	83
25) 2-Butanone	6.996	43	1155	4.090	ug/l	91
36) 1,1-Dichloropropene	7.795	75	7534	4.139	ug/l #	50
38) Carbon Tetrachloride	7.795	117	10692	5.659	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	36392	48.148	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	36392	104.508	ug/l #	11

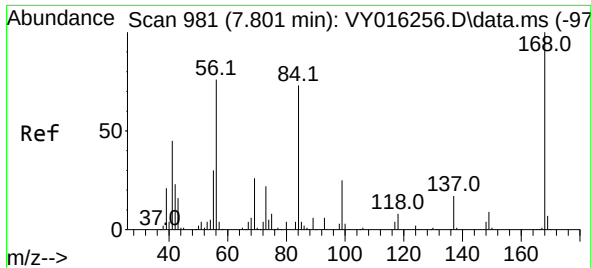
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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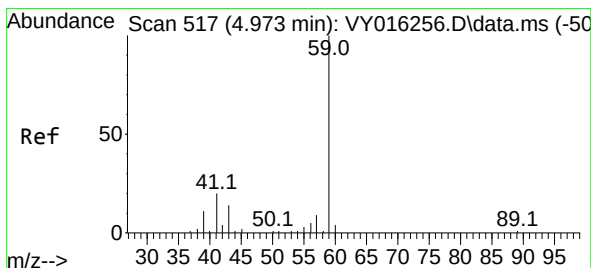
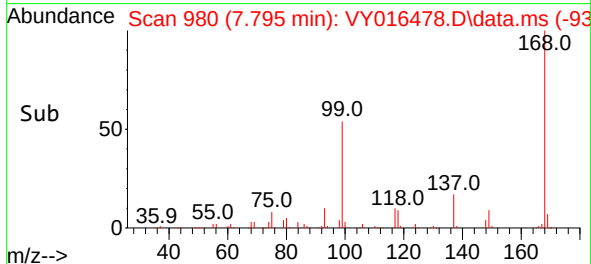
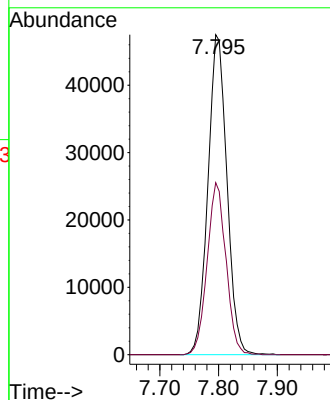
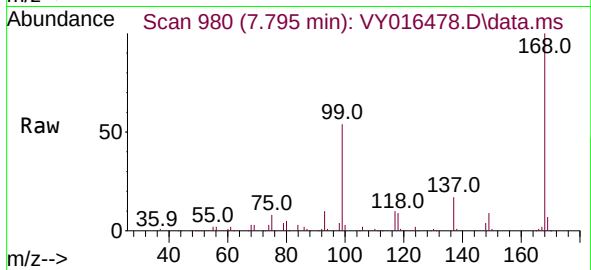




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016478.D
Acq: 24 Nov 2023 12:45

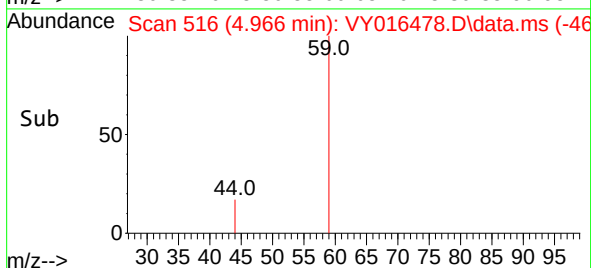
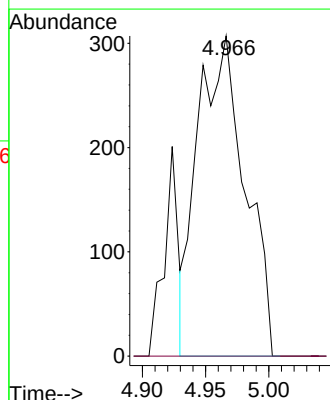
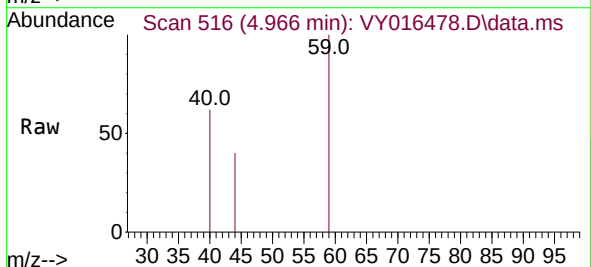
Instrument :
MSVOA_Y
ClientSampleId :

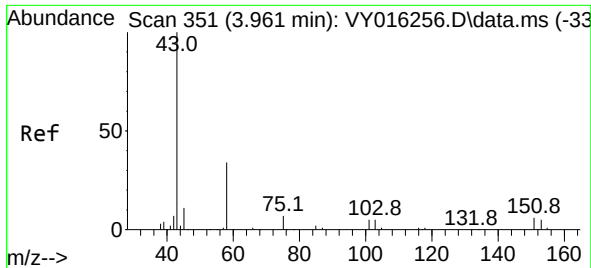
Tgt Ion:168 Resp: 106657
Ion Ratio Lower Upper
168 100
99 53.7 43.4 65.0



#11
Tert butyl alcohol
Concen: 10.480 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY016478.D
Acq: 24 Nov 2023 12:45

Tgt Ion: 59 Resp: 800
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 31.393 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY016478.D

Acq: 24 Nov 2023 12:45

Instrument :

MSVOA_Y

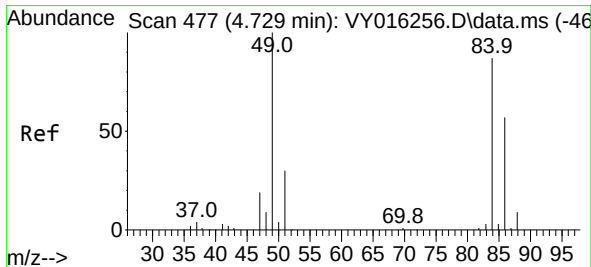
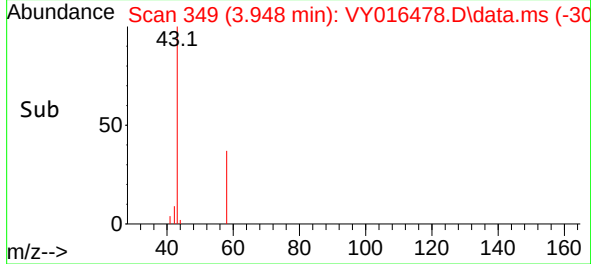
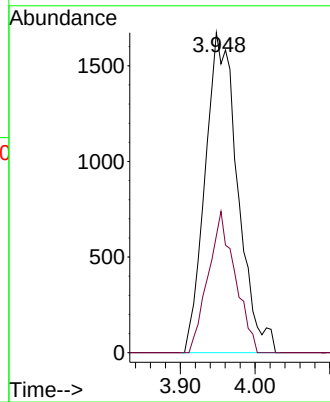
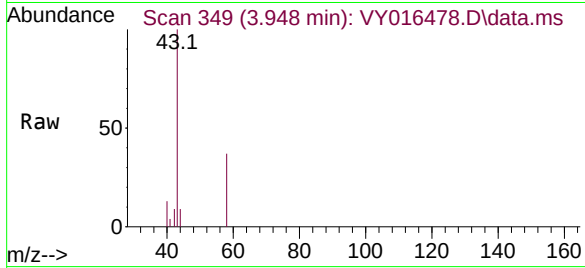
ClientSampleId :

Tgt Ion: 43 Resp: 5062

Ion Ratio Lower Upper

43 100

58 36.6 22.7 34.1#



#20

Methylene Chloride

Concen: 15.970 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.007 min

Lab File: VY016478.D

Acq: 24 Nov 2023 12:45

Tgt Ion: 84 Resp: 20890

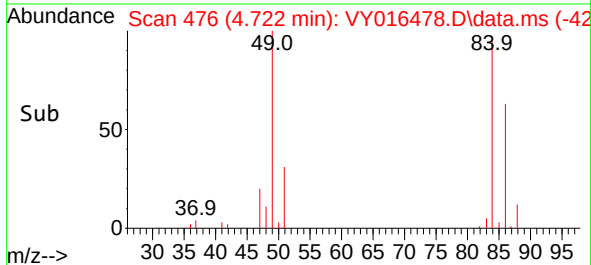
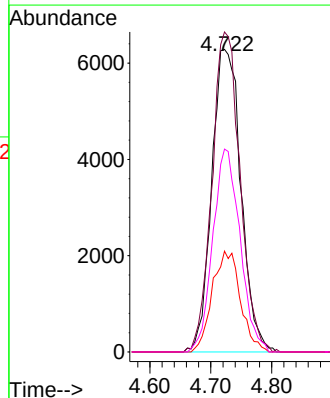
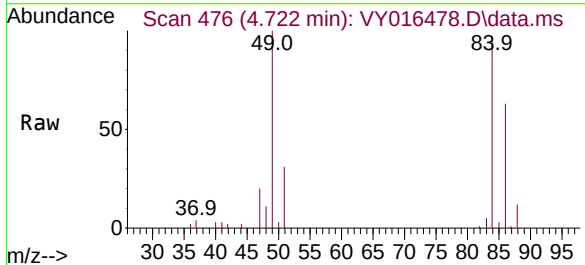
Ion Ratio Lower Upper

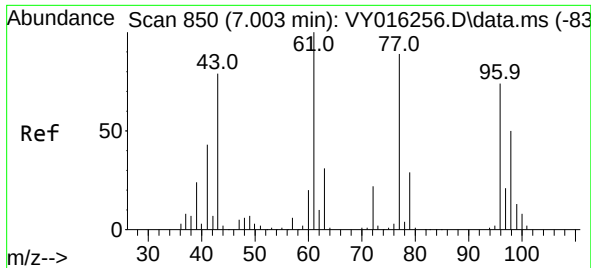
84 100

49 105.7 106.9 160.3#

51 33.3 33.2 49.8

86 67.0 51.0 76.6

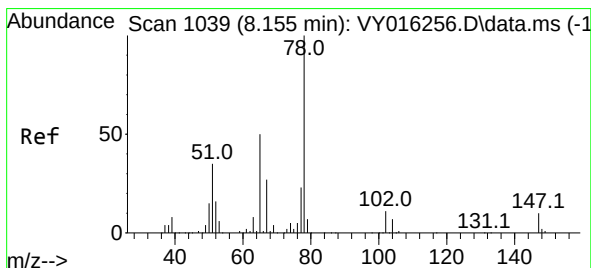
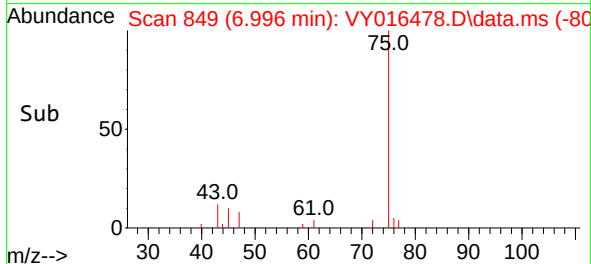
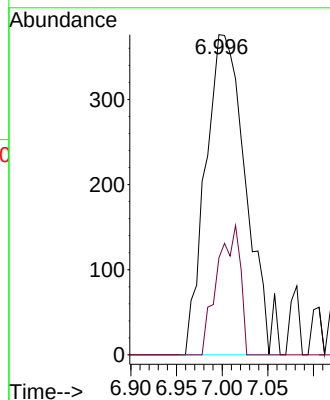
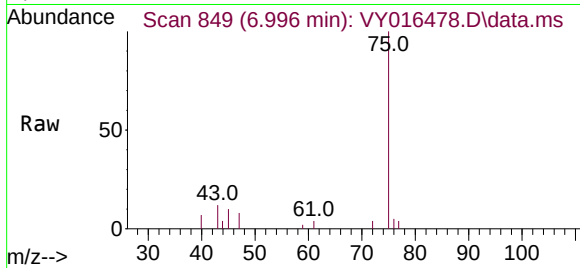




#25
2-Butanone
Concen: 4.090 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY016478.D
Acq: 24 Nov 2023 12:45

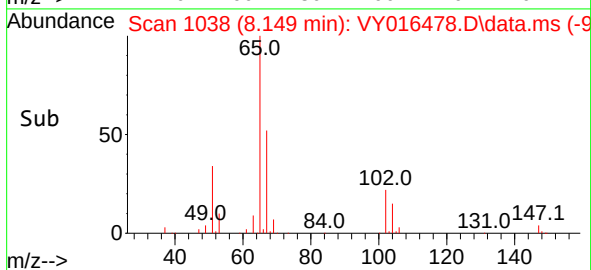
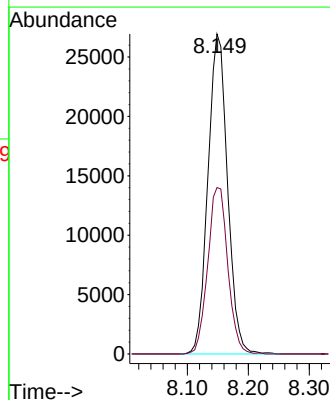
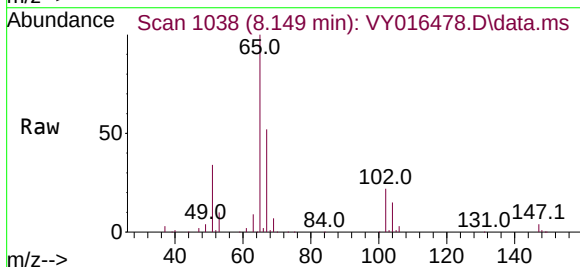
Instrument :
MSVOA_Y
ClientSampleId :

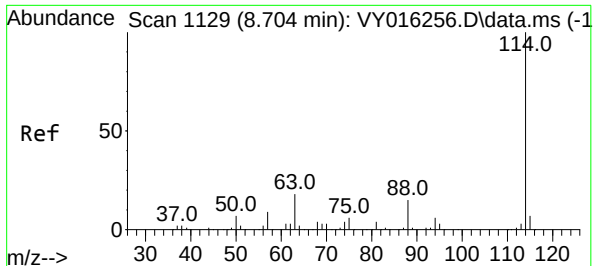
Tgt Ion: 43 Resp: 1155
Ion Ratio Lower Upper
43 100
72 30.3 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 61.693 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY016478.D
Acq: 24 Nov 2023 12:45

Tgt Ion: 65 Resp: 60139
Ion Ratio Lower Upper
65 100
67 53.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016478.D

Acq: 24 Nov 2023 12:45

Instrument :

MSVOA_Y

ClientSampleId :

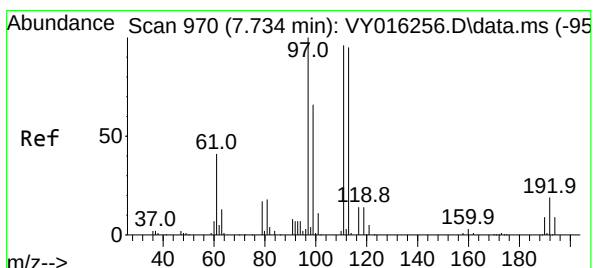
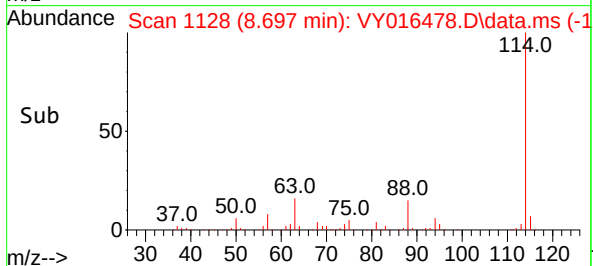
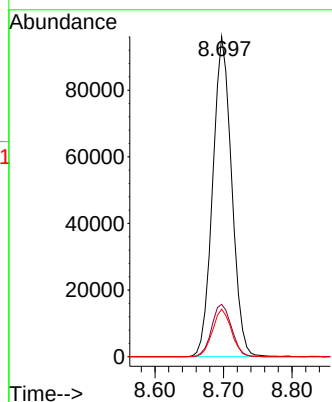
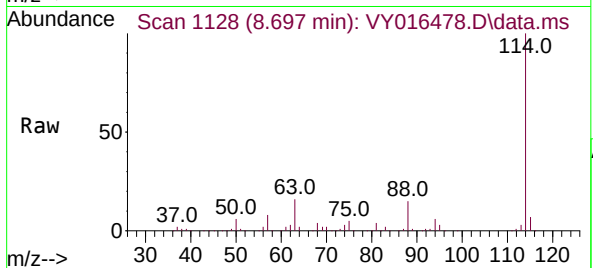
Tgt Ion:114 Resp: 184548

Ion Ratio Lower Upper

114 100

63 16.3 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.043 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY016478.D

Acq: 24 Nov 2023 12:45

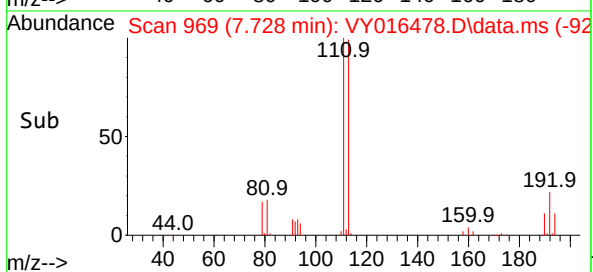
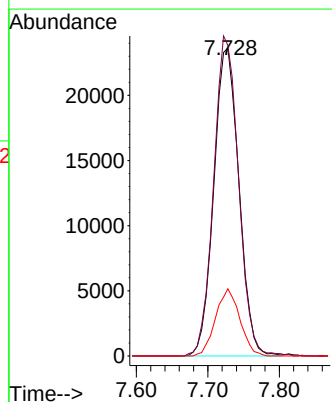
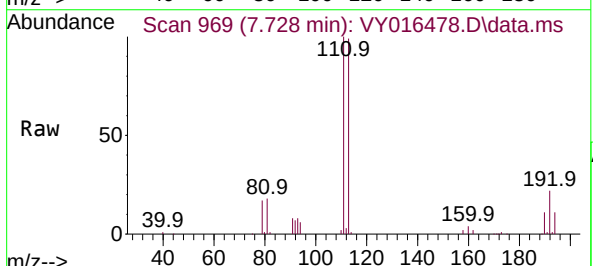
Tgt Ion:113 Resp: 57704

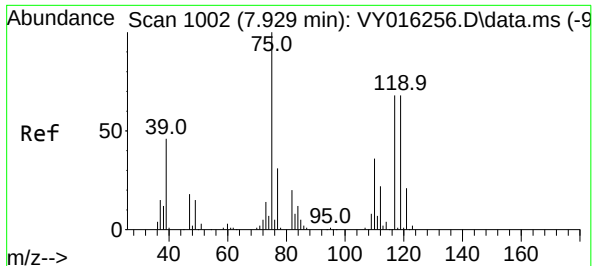
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 21.0 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.139 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.134 min

Lab File: VY016478.D

Acq: 24 Nov 2023 12:45

Instrument :

MSVOA_Y

ClientSampleId :

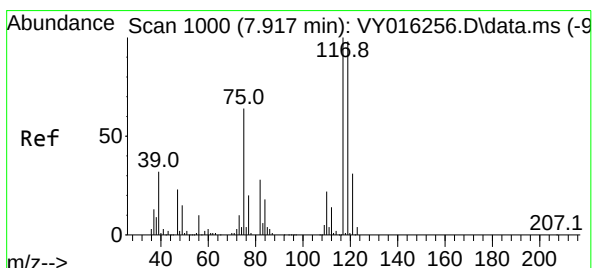
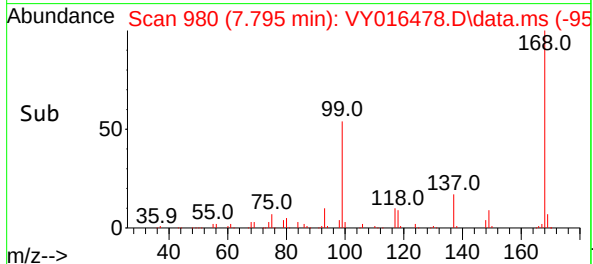
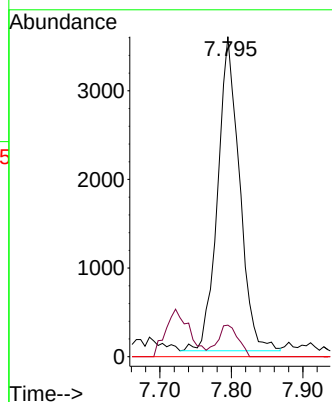
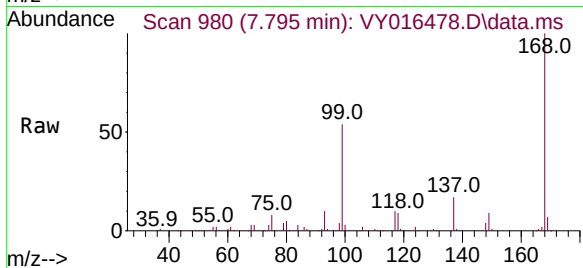
Tgt Ion: 75 Resp: 7534

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.659 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.122 min

Lab File: VY016478.D

Acq: 24 Nov 2023 12:45

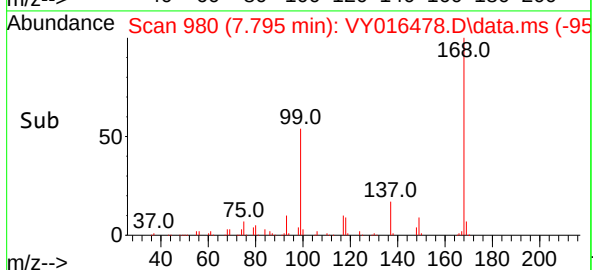
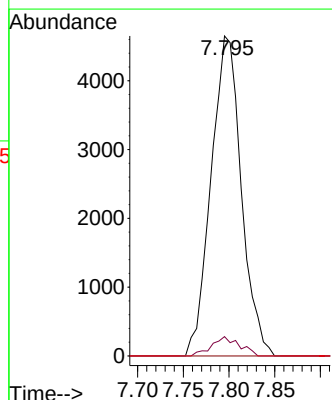
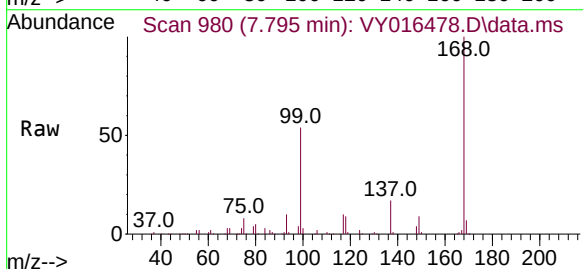
Tgt Ion: 117 Resp: 10692

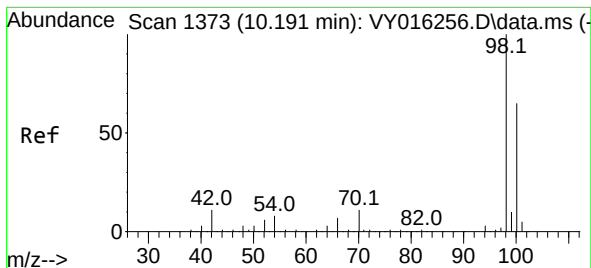
Ion Ratio Lower Upper

117 100

119 6.0 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 49.985 ug/l

RT: 10.191 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016478.D

Acq: 24 Nov 2023 12:45

Instrument :

MSVOA_Y

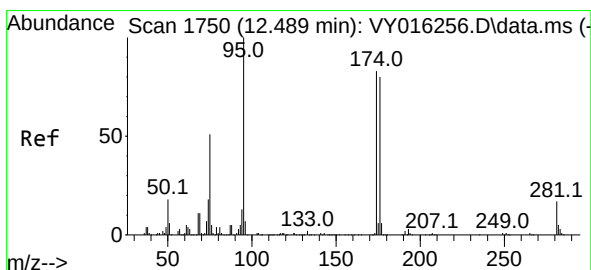
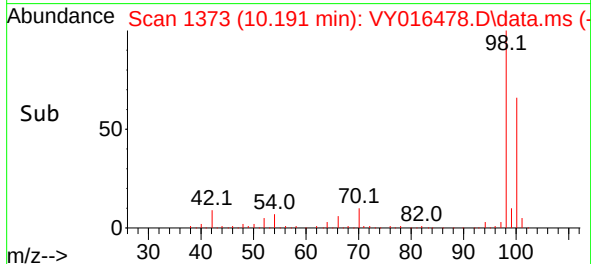
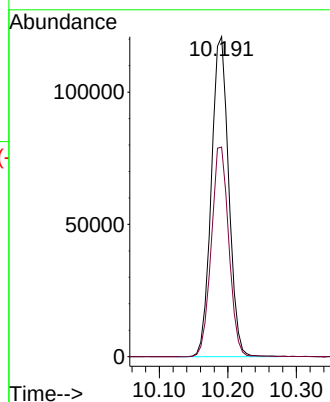
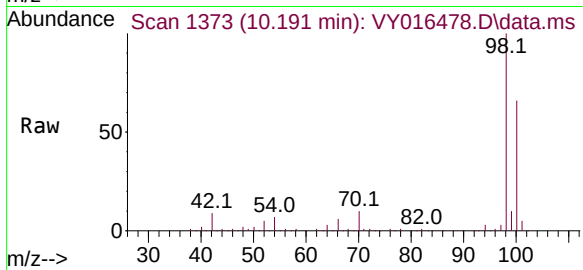
ClientSampleId :

Tgt Ion: 98 Resp: 212498

Ion Ratio Lower Upper

98 100

100 66.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 53.816 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VY016478.D

Acq: 24 Nov 2023 12:45

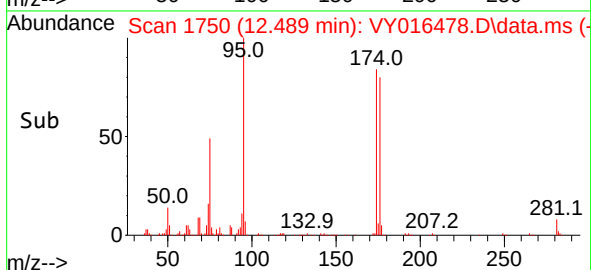
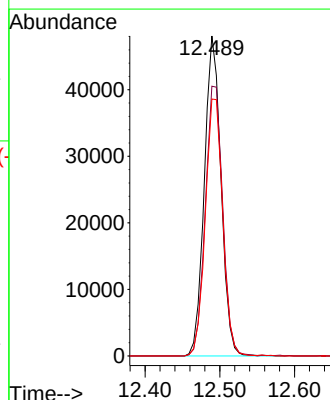
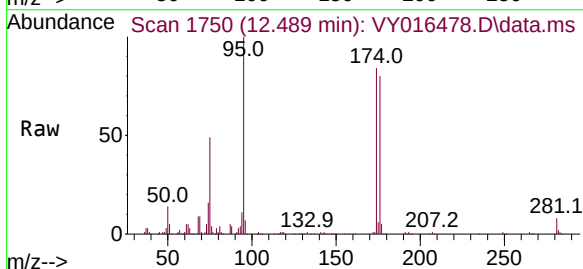
Tgt Ion: 95 Resp: 74306

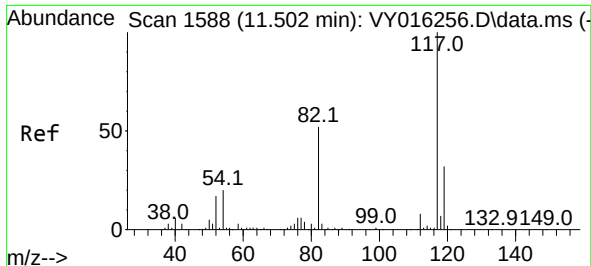
Ion Ratio Lower Upper

95 100

174 88.2 0.0 178.2

176 84.2 0.0 173.8

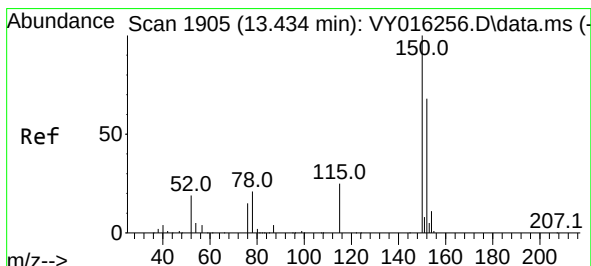
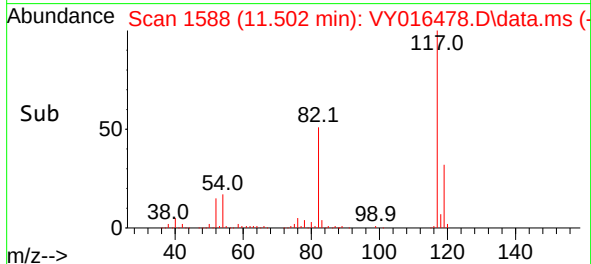
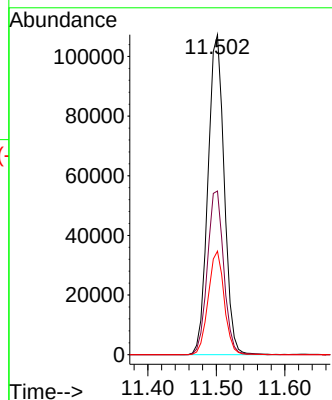
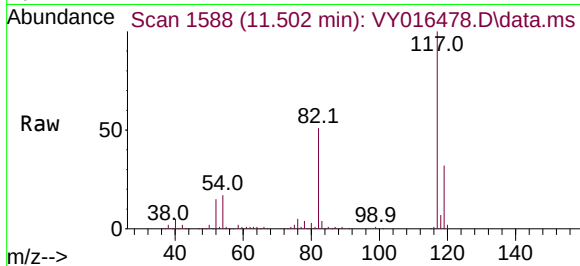




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY016478.D
Acq: 24 Nov 2023 12:45

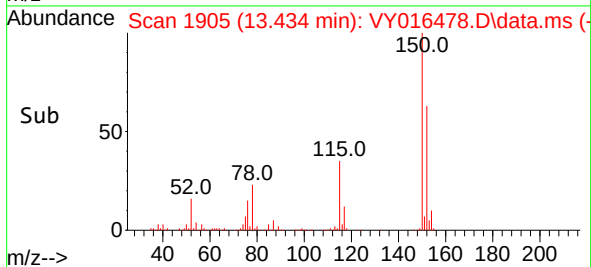
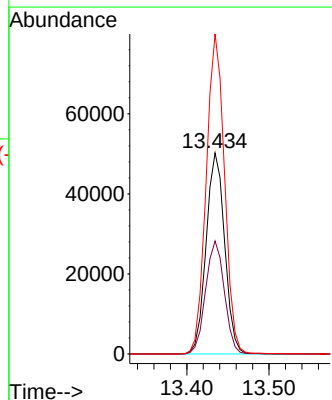
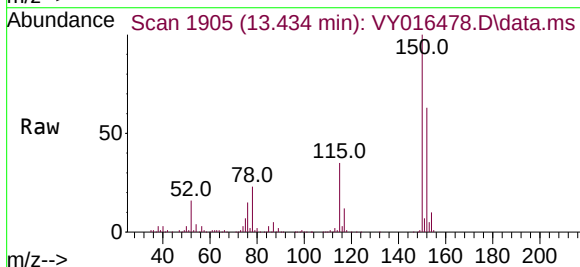
Instrument :
MSVOA_Y
ClientSampleId :

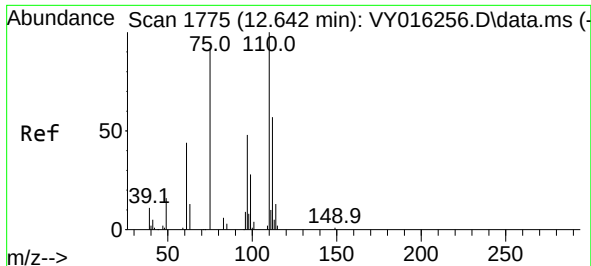
Tgt Ion:117 Resp: 176543
Ion Ratio Lower Upper
117 100
82 51.2 43.4 65.0
119 32.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016478.D
Acq: 24 Nov 2023 12:45

Tgt Ion:152 Resp: 78792
Ion Ratio Lower Upper
152 100
115 56.8 28.8 86.5
150 157.3 0.0 348.8

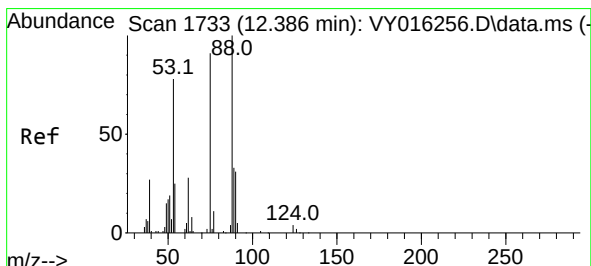
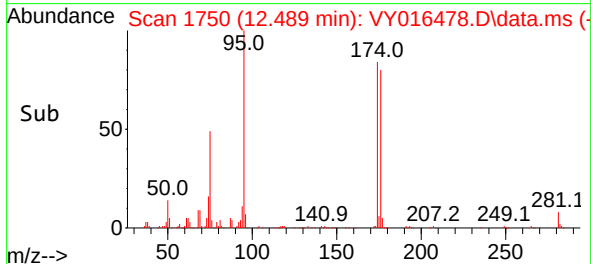
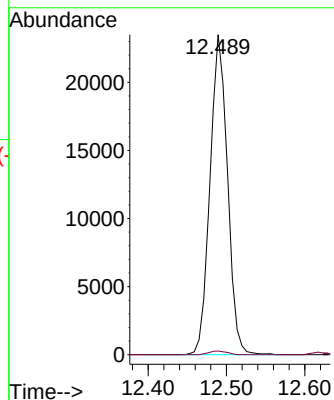
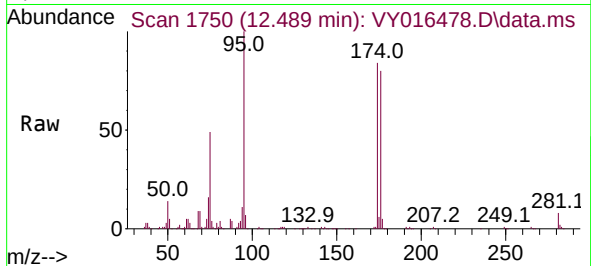




#76
1,2,3-Trichloropropane
Concen: 48.148 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.153 min
Lab File: VY016478.D
Acq: 24 Nov 2023 12:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 36392
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.508 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY016478.D
Acq: 24 Nov 2023 12:45

Tgt Ion: 75 Resp: 36392
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

