

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110923\
 Data File : VY016291.D
 Acq On : 09 Nov 2023 18:54
 Operator : SY/MD
 Sample : 05312-03
 Misc : 4.74g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 09 23:03:11 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)

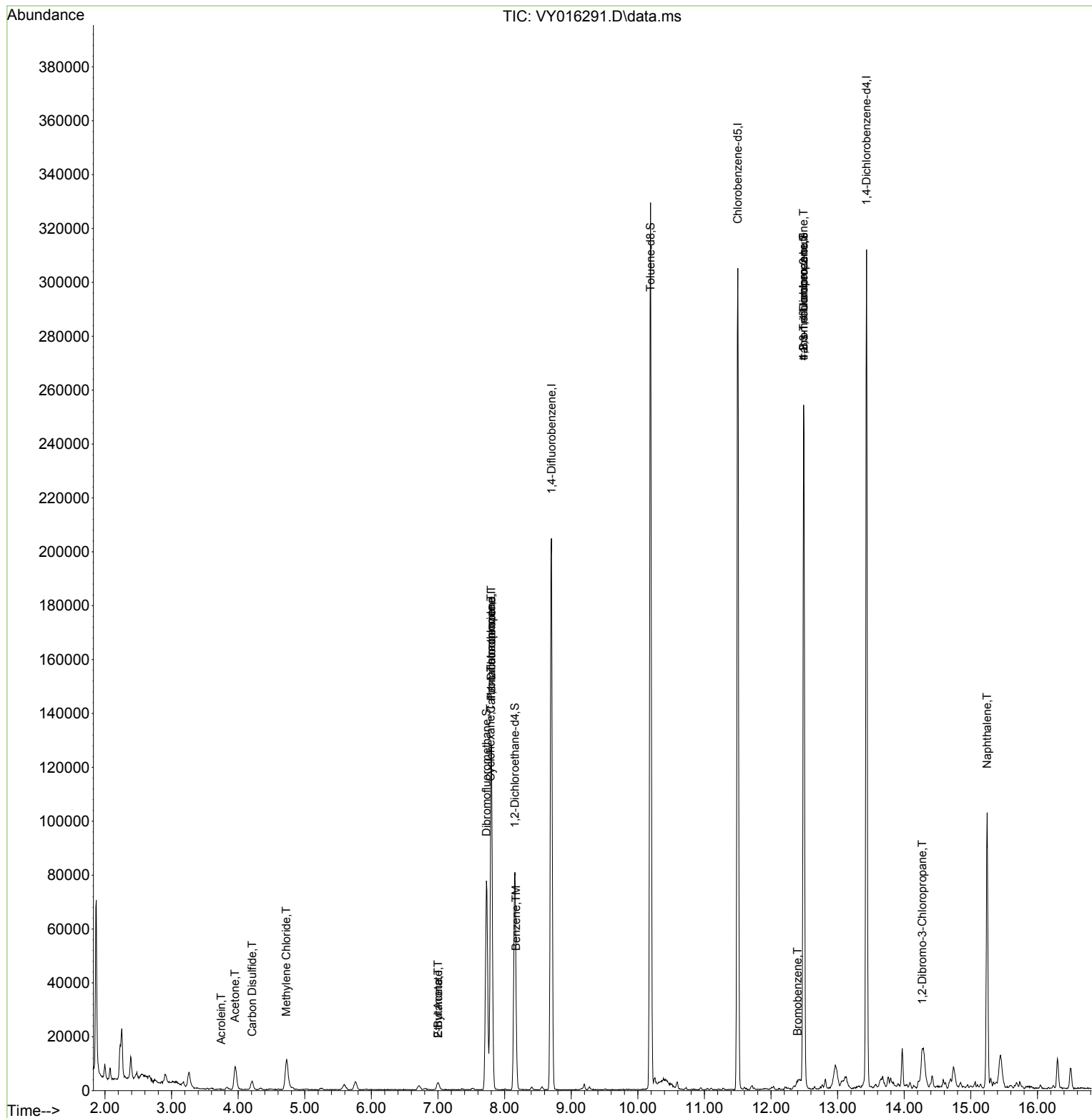
Internal Standards						
1) Pentafluorobenzene	7.801	168	100282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	178390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	172443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	78705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	62722	68.434	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.860%	
35) Dibromofluoromethane	7.728	113	55729	54.994	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.980%	
50) Toluene-d8	10.191	98	211860	51.555	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.100%	
62) 4-Bromofluorobenzene	12.489	95	75396	56.490	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.980%	
Target Compounds						
						Qvalue
13) Acrolein	3.747	56	142	1.640	ug/l #	14
16) Acetone	3.954	43	15899	104.870	ug/l	92
17) Carbon Disulfide	4.210	76	6601	2.159	ug/l	96
20) Methylene Chloride	4.722	84	8591	4.880	ug/l #	85
25) 2-Butanone	7.002	43	4914	18.505	ug/l #	85
31) Cyclohexane	7.789	56	2404	1.332	ug/l #	43
36) 1,1-Dichloropropene	7.801	75	7280	4.137	ug/l #	52
37) Ethyl Acetate	7.002	43	4914	6.912	ug/l #	71
38) Carbon Tetrachloride	7.795	117	9692	5.307	ug/l #	15
40) Benzene	8.173	78	5567	1.126	ug/l #	89
76) 1,2,3-Trichloropropane	12.489	75	38398	50.858	ug/l #	100
77) Bromobenzene	12.397	156	2965	2.058	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.489	75	38398	110.391	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.269	75	737	4.529	ug/l #	3
95) Naphthalene	15.245	128	84426	34.055	ug/l	98

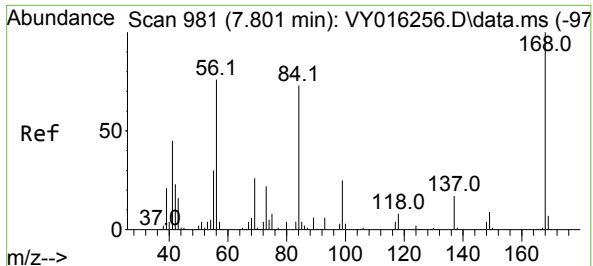
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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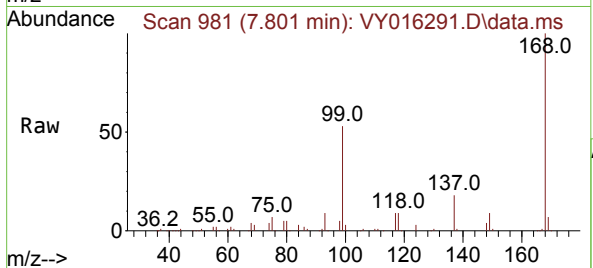
Quant Time: Nov 09 23:03:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 09 00:45:52 2023
Response via : Initial Calibration



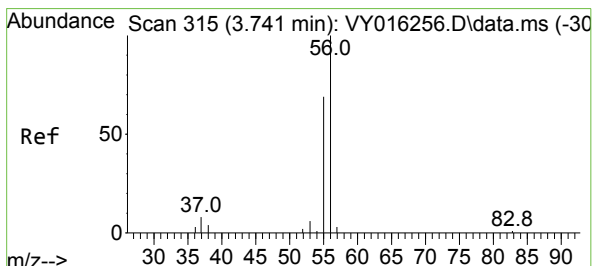
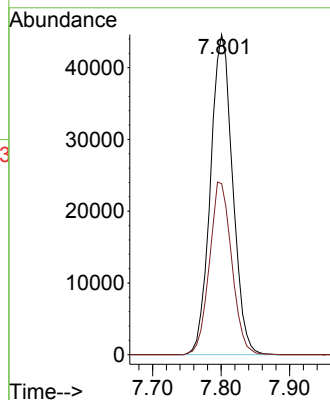
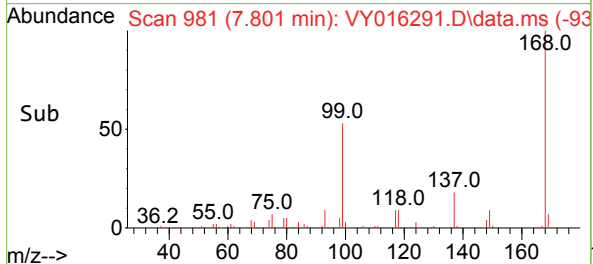


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :

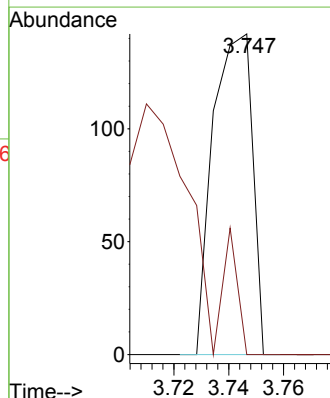
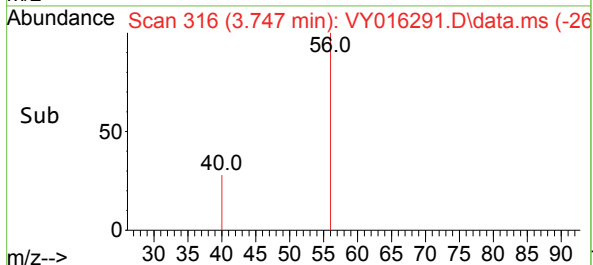
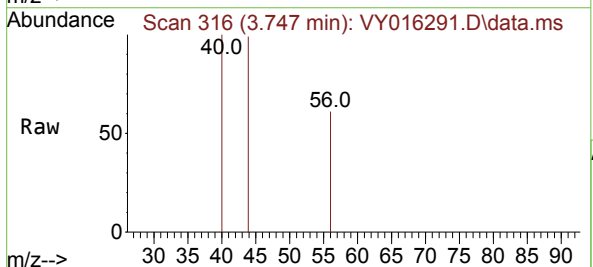


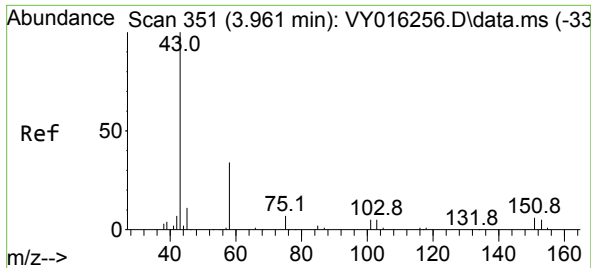
Tgt Ion:168 Resp: 100282
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#13
Acrolein
Concen: 1.640 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

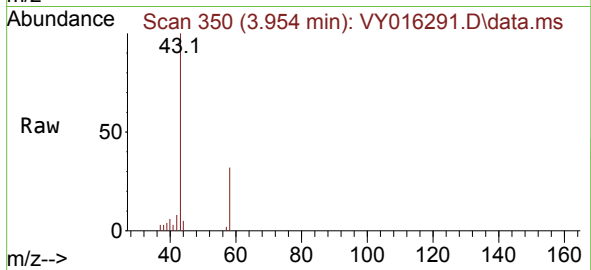
Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



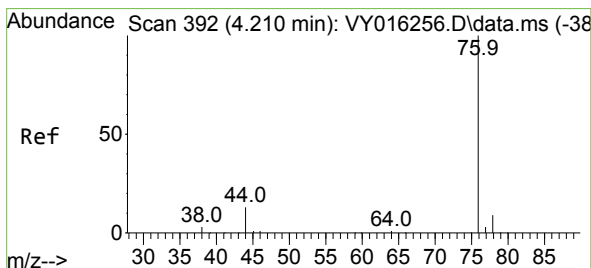
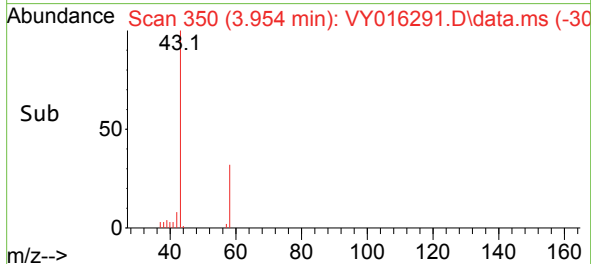
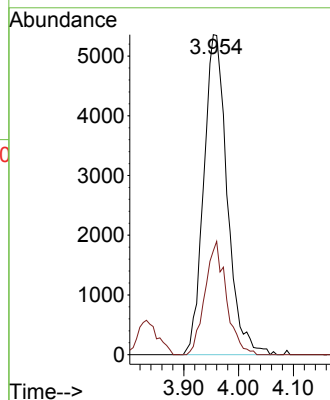


#16
Acetone
Concen: 104.870 ug/l
RT: 3.954 min Scan# 351
Delta R.T. -0.007 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :

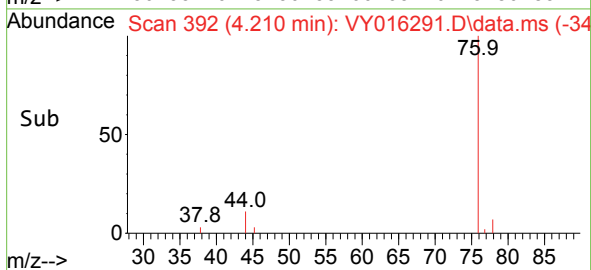
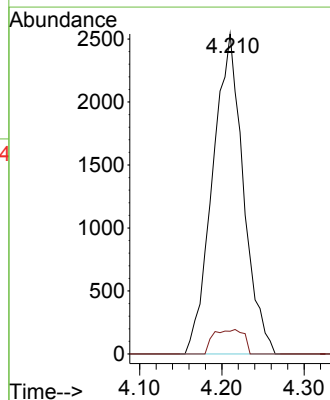
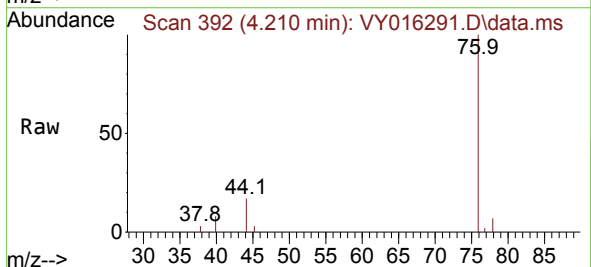


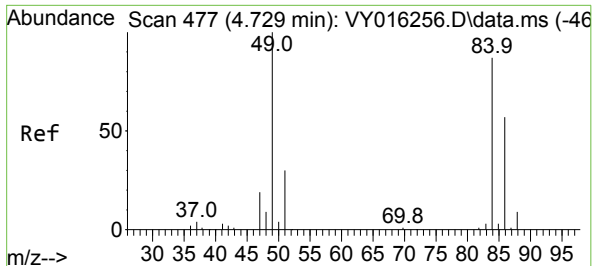
Tgt Ion: 43 Resp: 15899
Ion Ratio Lower Upper
43 100
58 32.4 22.7 34.1



#17
Carbon Disulfide
Concen: 2.159 ug/l
RT: 4.210 min Scan# 392
Delta R.T. -0.001 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

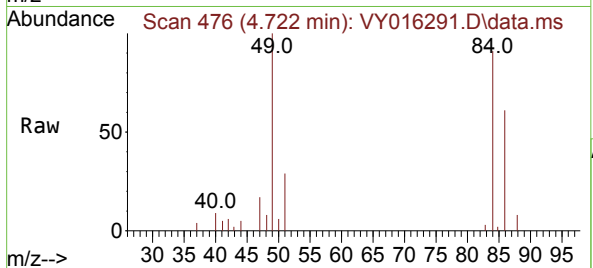
Tgt Ion: 76 Resp: 6601
Ion Ratio Lower Upper
76 100
78 7.1 7.0 10.4



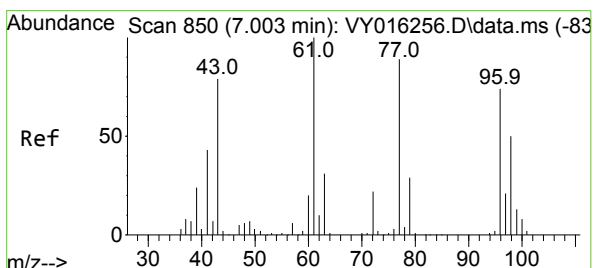
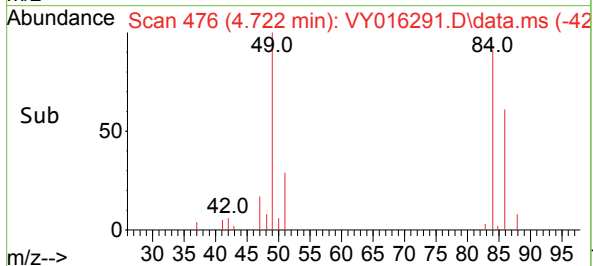
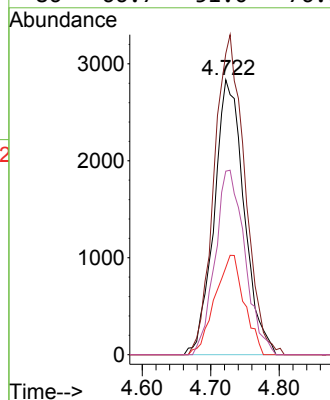


#20
Methylene Chloride
Concen: 4.880 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :

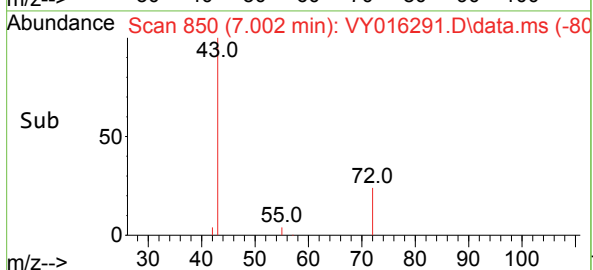
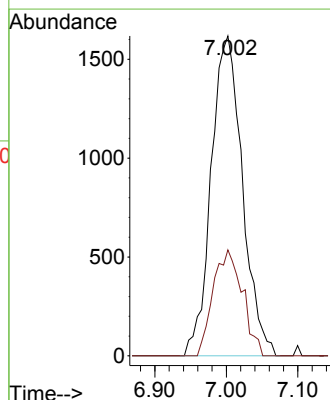
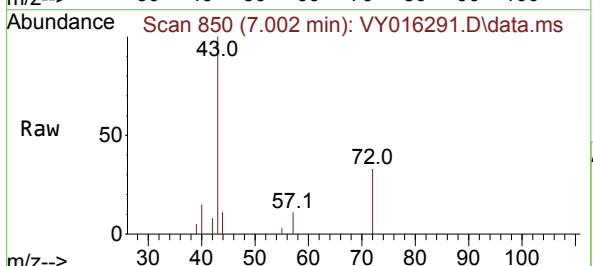


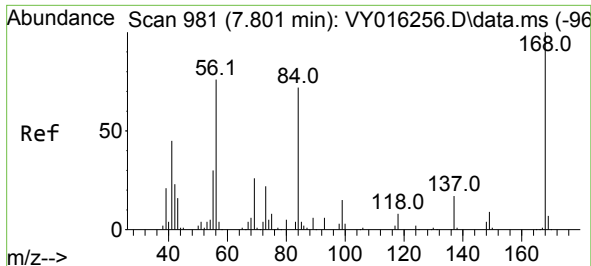
Tgt Ion: 84 Resp: 8591
Ion Ratio Lower Upper
84 100
49 109.5 106.9 160.3
51 31.7 33.2 49.8#
86 66.7 51.0 76.6



#25
2-Butanone
Concen: 18.505 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.001 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

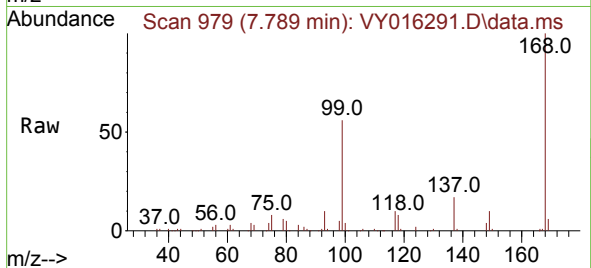
Tgt Ion: 43 Resp: 4914
Ion Ratio Lower Upper
43 100
72 33.1 20.5 30.7#



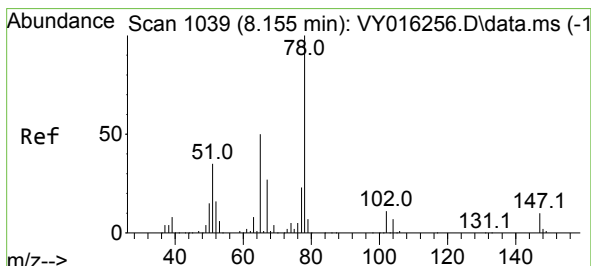
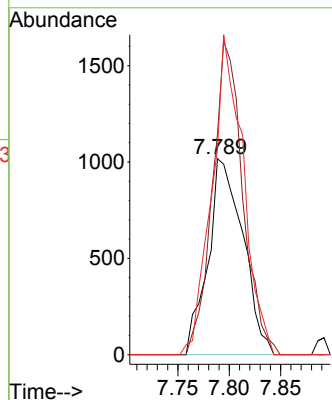
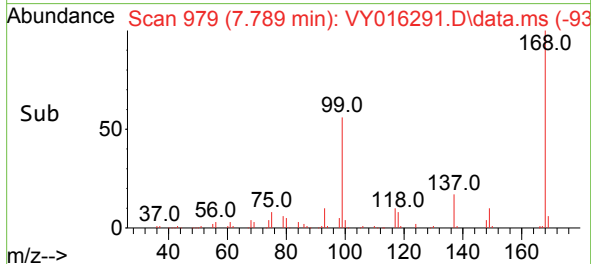


#31
Cyclohexane
Concen: 1.332 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.013 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :

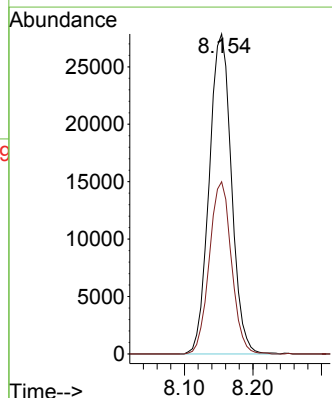
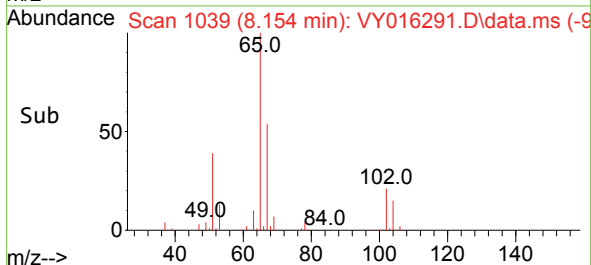
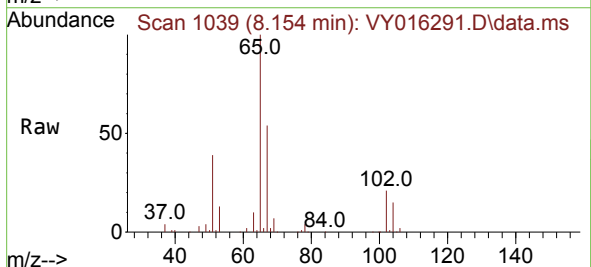


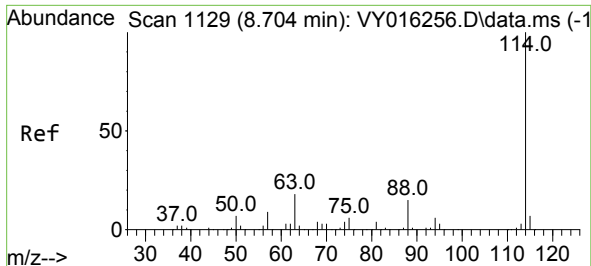
Tgt Ion: 56 Resp: 2404
Ion Ratio Lower Upper
56 100
69 112.5 27.8 41.6#
84 105.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 68.434 ug/l
RT: 8.154 min Scan# 1039
Delta R.T. -0.001 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

Tgt Ion: 65 Resp: 62722
Ion Ratio Lower Upper
65 100
67 53.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.001 min

Lab File: VY016291.D

Acq: 09 Nov 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

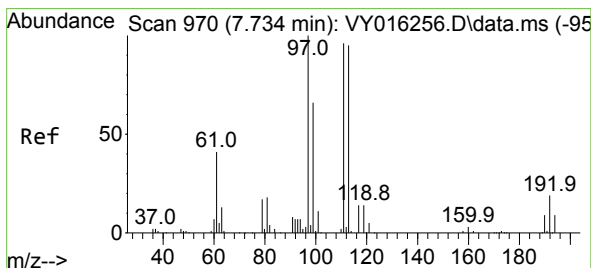
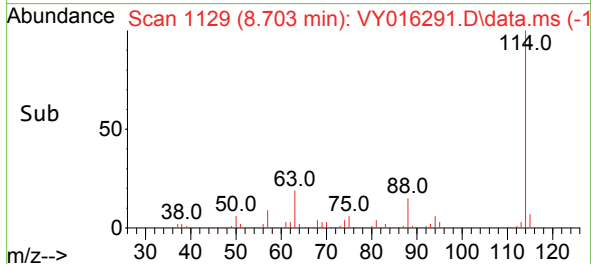
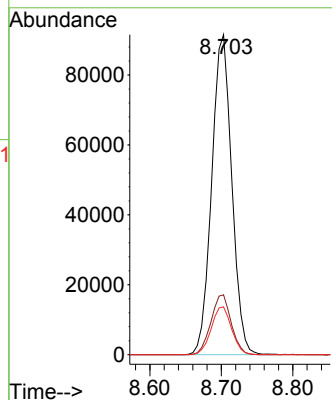
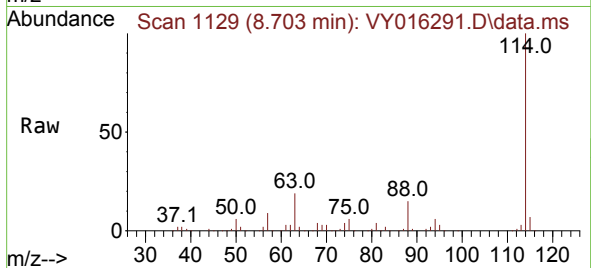
Tgt Ion:114 Resp: 178390

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.994 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.007 min

Lab File: VY016291.D

Acq: 09 Nov 2023 18:54

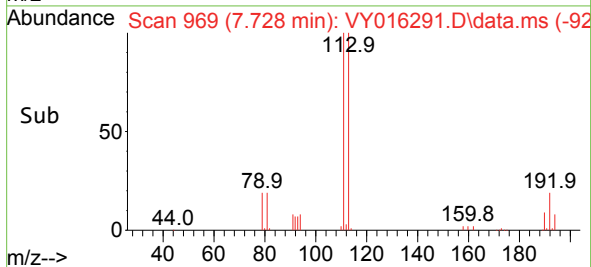
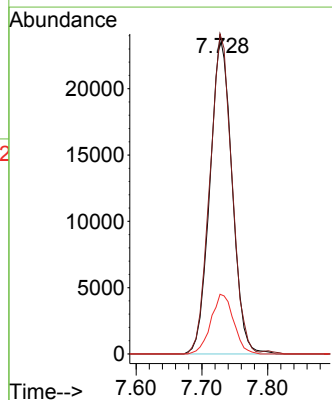
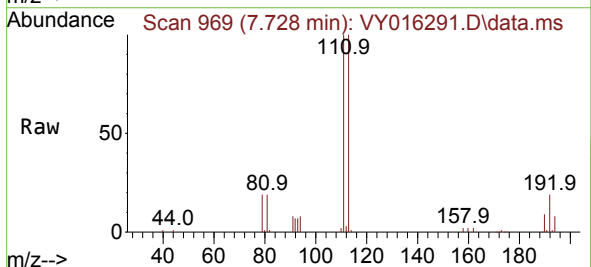
Tgt Ion:113 Resp: 55729

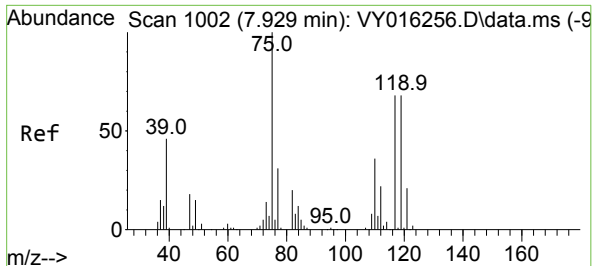
Ion Ratio Lower Upper

113 100

111 101.2 81.3 121.9

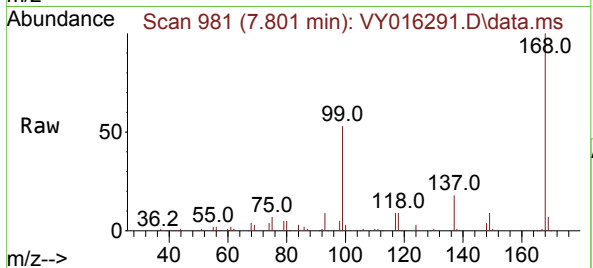
192 19.4 16.9 25.3



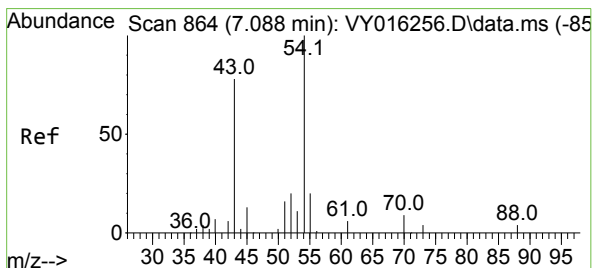
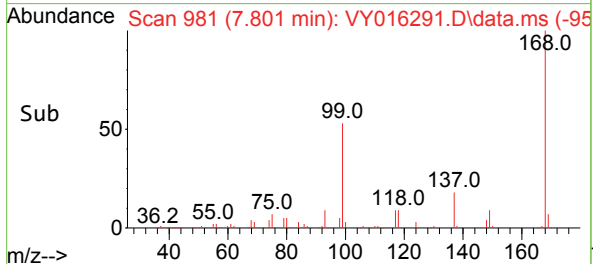
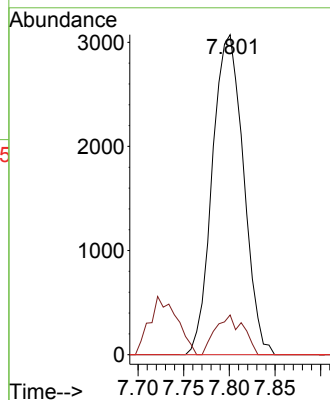


#36
1,1-Dichloropropene
Concen: 4.137 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.129 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :

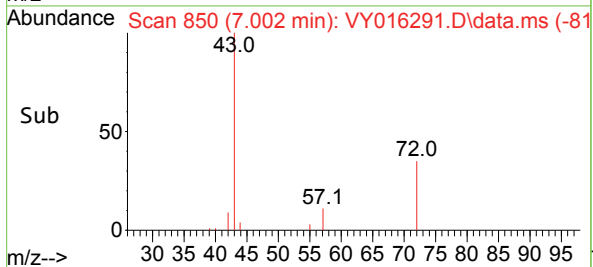
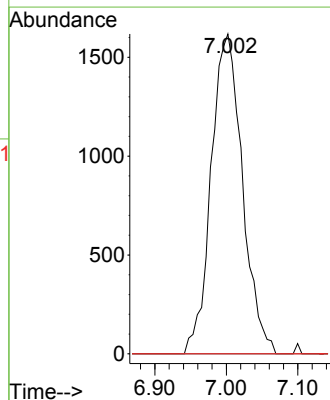
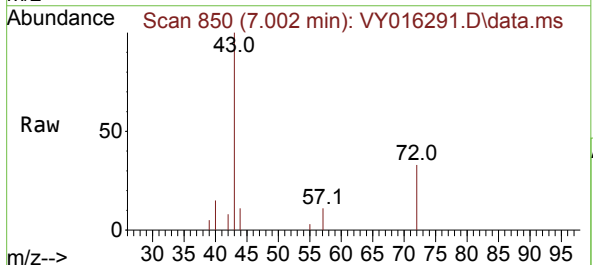


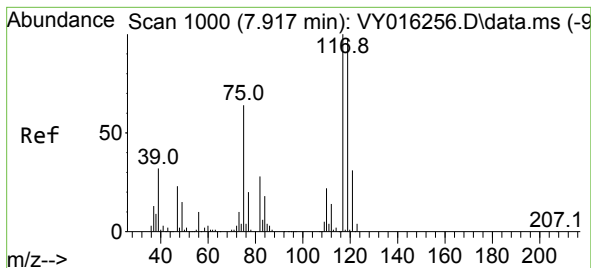
Tgt Ion: 75 Resp: 7280
Ion Ratio Lower Upper
75 100
110 11.1 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 6.912 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.086 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

Tgt Ion: 43 Resp: 4914
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 5.307 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.123 min

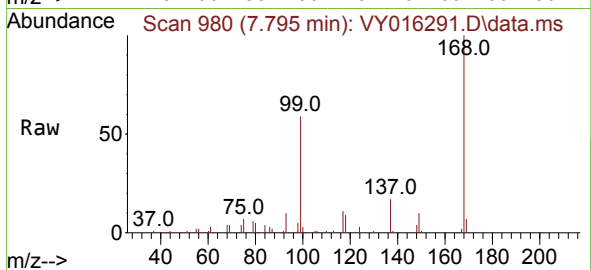
Lab File: VY016291.D

Acq: 09 Nov 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :



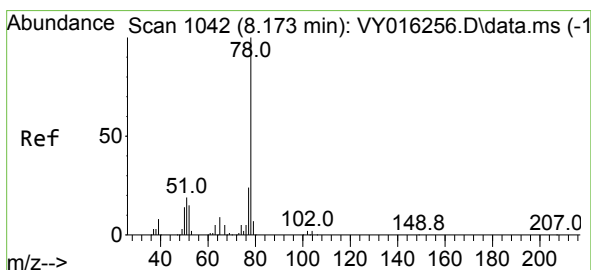
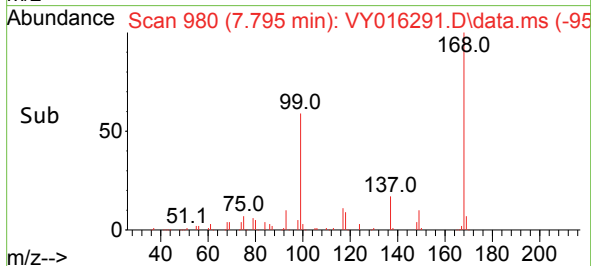
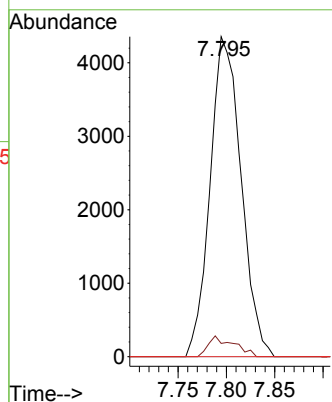
Tgt Ion:117 Resp: 9692

Ion Ratio Lower Upper

117 100

119 4.1 76.4 114.6#

121 0.0 25.8 38.6#



#40

Benzene

Concen: 1.126 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. -0.001 min

Lab File: VY016291.D

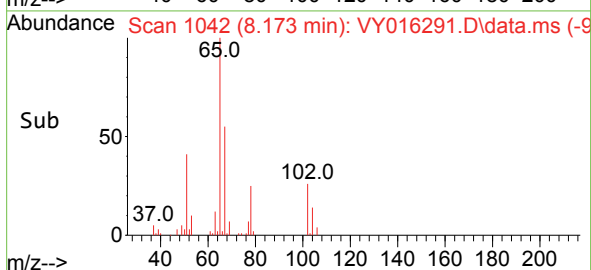
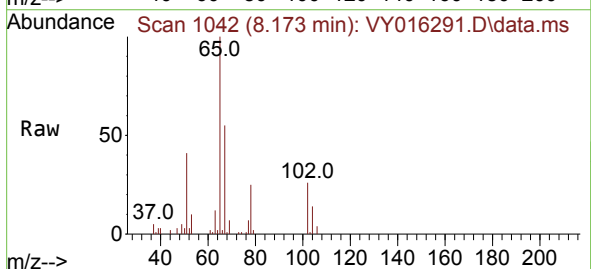
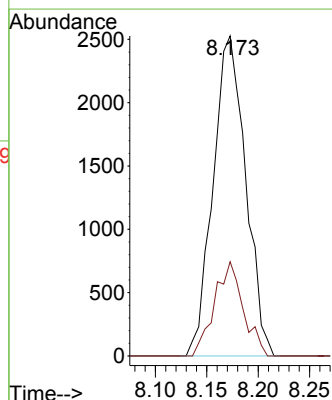
Acq: 09 Nov 2023 18:54

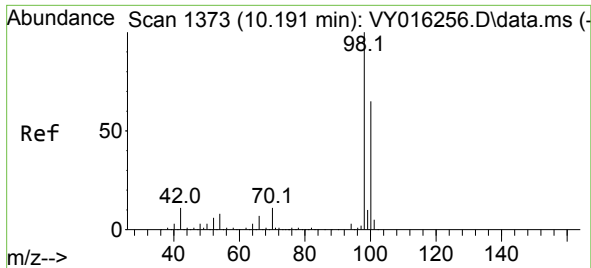
Tgt Ion: 78 Resp: 5567

Ion Ratio Lower Upper

78 100

77 29.4 19.0 28.6#

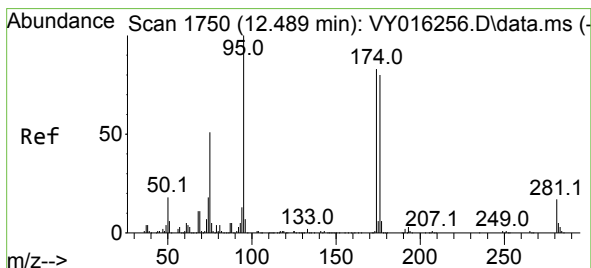
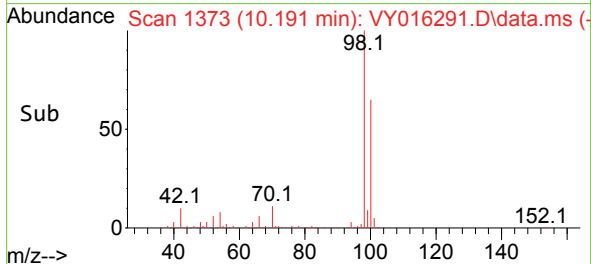
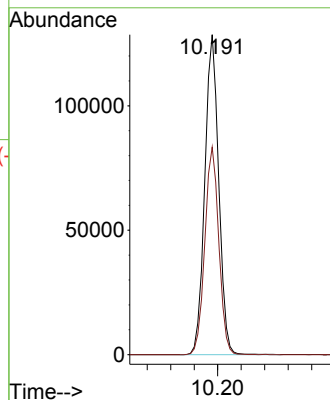
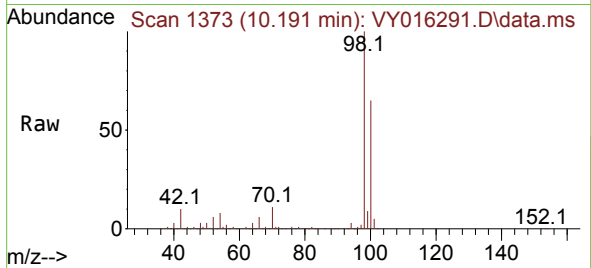




#50
Toluene-d8
Concen: 51.555 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

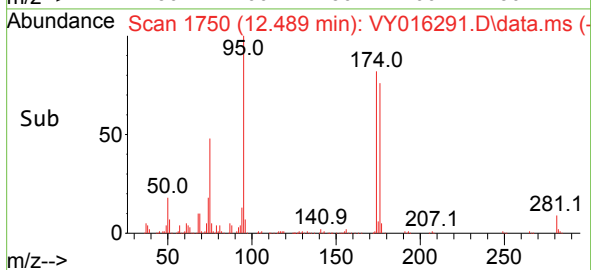
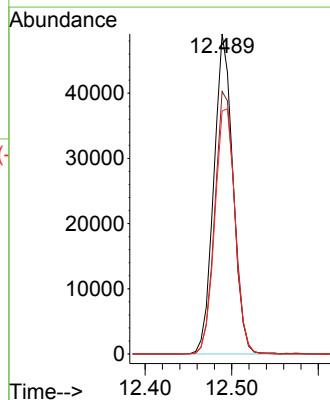
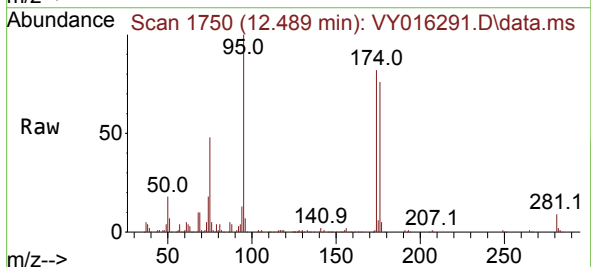
Instrument :
MSVOA_Y
ClientSampleId :

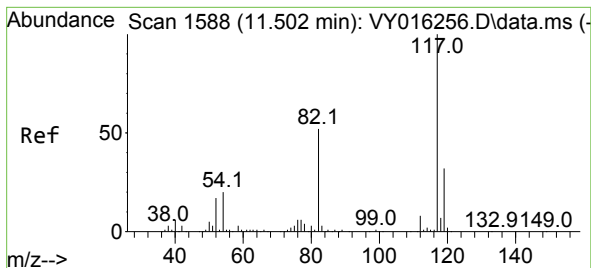
Tgt Ion: 98 Resp: 211860
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 56.490 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.001 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

Tgt Ion: 95 Resp: 75396
Ion Ratio Lower Upper
95 100
174 84.8 0.0 178.2
176 81.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.501 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY016291.D

Acq: 09 Nov 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

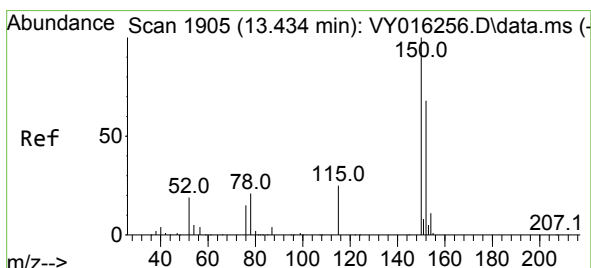
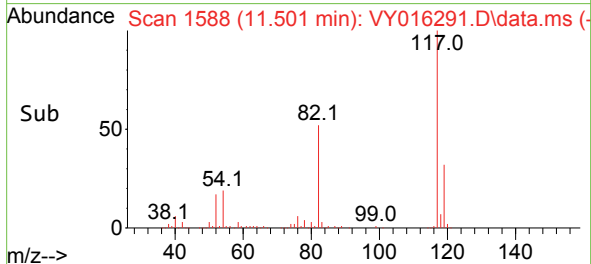
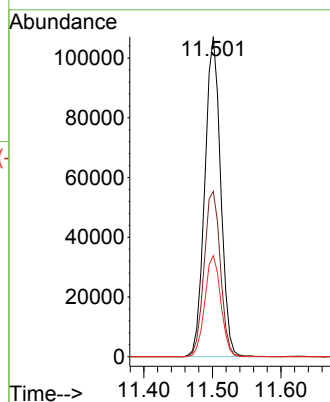
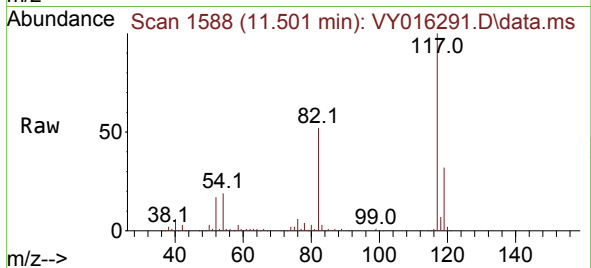
Tgt Ion:117 Resp: 172443

Ion Ratio Lower Upper

117 100

82 51.7 43.4 65.0

119 31.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.001 min

Lab File: VY016291.D

Acq: 09 Nov 2023 18:54

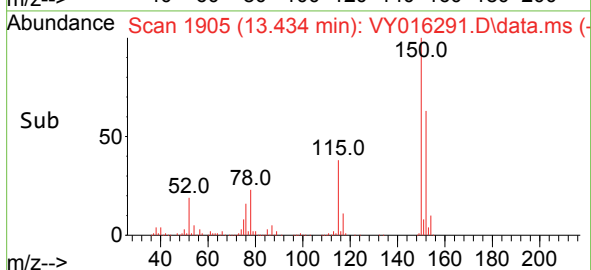
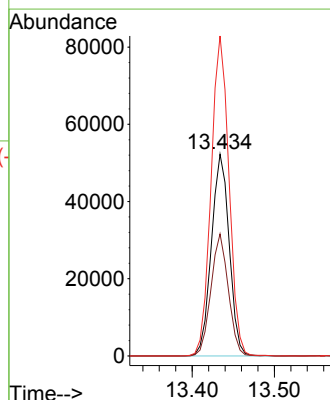
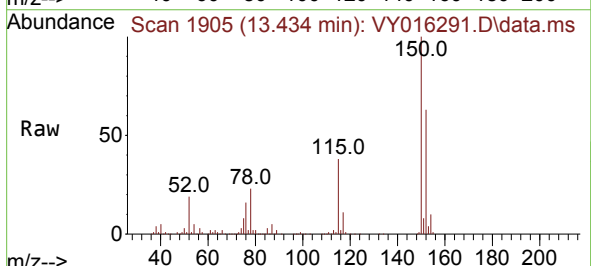
Tgt Ion:152 Resp: 78705

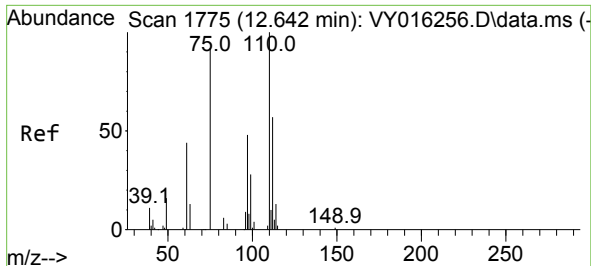
Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 158.9 0.0 348.8

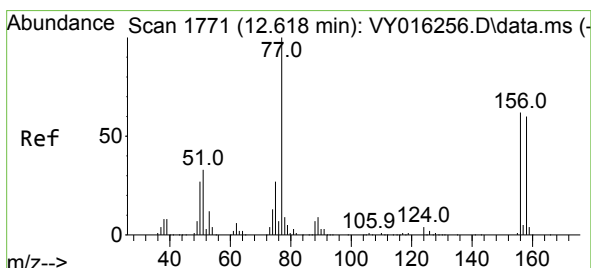
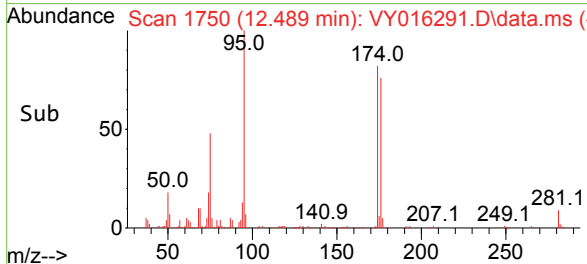
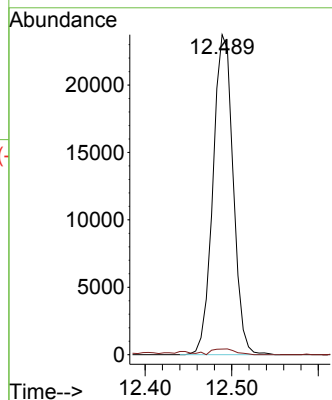
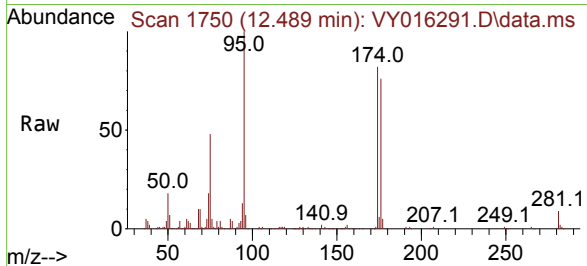




#76
1,2,3-Trichloropropane
Concen: 50.858 ug/l
RT: 12.489 min Scan# 1735
Delta R.T. -0.153 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

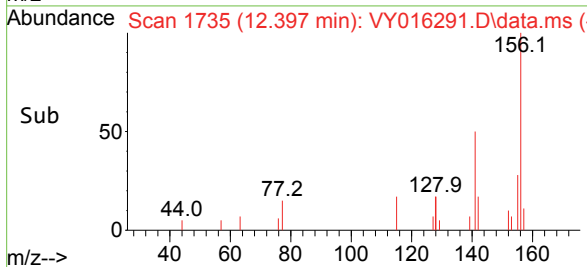
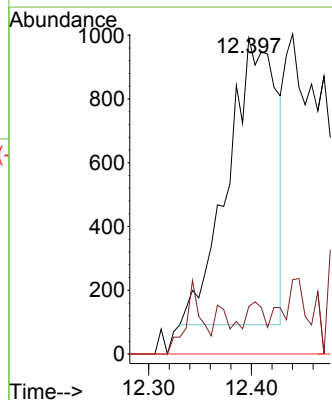
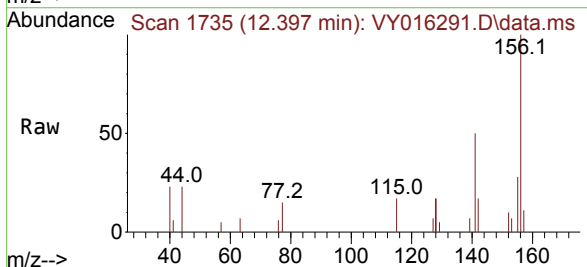
Instrument :
MSVOA_Y
ClientSampleId :

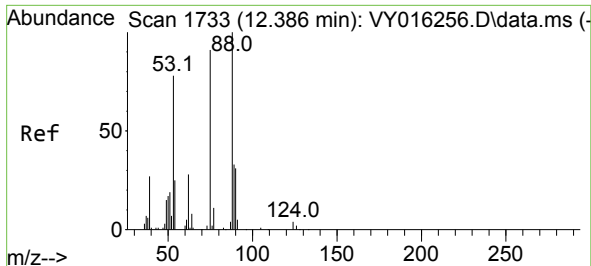
Tgt Ion: 75 Resp: 38398
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#77
Bromobenzene
Concen: 2.058 ug/l
RT: 12.397 min Scan# 1735
Delta R.T. -0.220 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

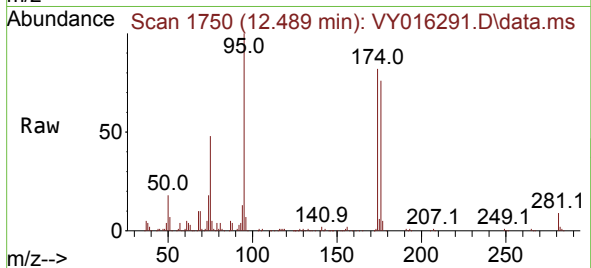
Tgt Ion: 156 Resp: 2965
Ion Ratio Lower Upper
156 100
77 5.0 92.8 278.6#
158 0.0 48.4 145.3#



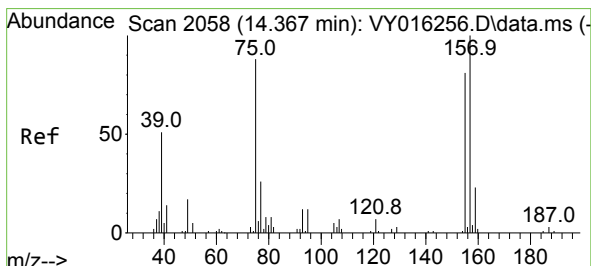
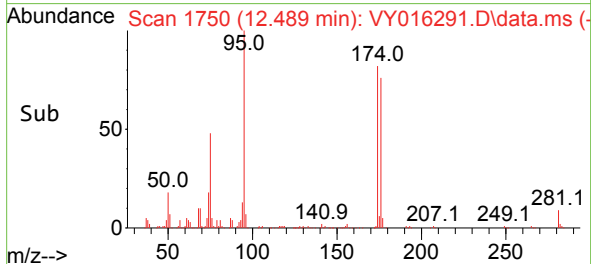
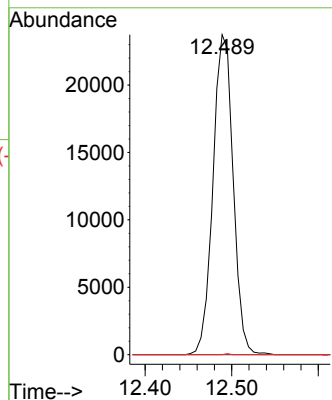


#81
trans-1,4-Dichloro-2-butene
Concen: 110.391 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :

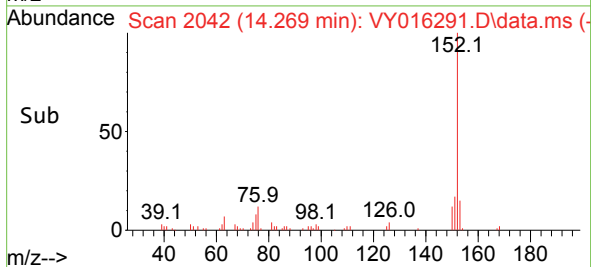
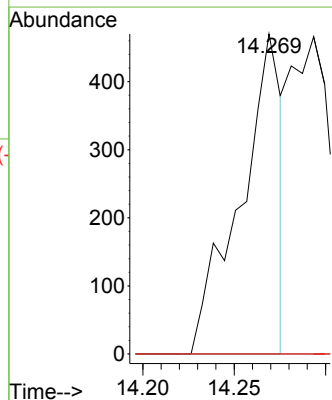
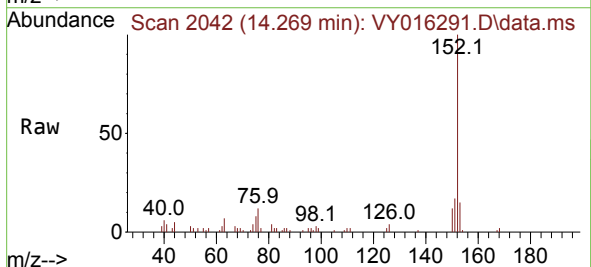


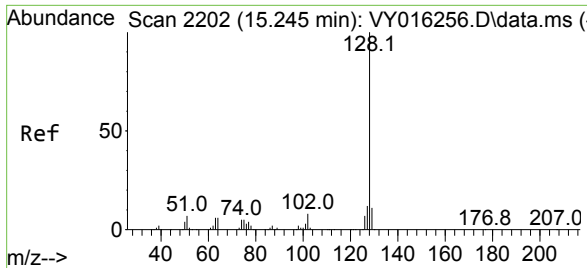
Tgt Ion: 75 Resp: 38398
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.529 ug/l
RT: 14.269 min Scan# 2042
Delta R.T. -0.098 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

Tgt Ion: 75 Resp: 737
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 51.8 155.5#





#95
Naphthalene
Concen: 34.055 ug/l
RT: 15.245 min Scan# 21
Delta R.T. -0.001 min
Lab File: VY016291.D
Acq: 09 Nov 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 84426
Ion Ratio Lower Upper
128 100
127 12.3 10.8 16.2
129 11.0 8.6 13.0

