

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
 Data File : VY016169.D
 Acq On : 01 Nov 2023 15:26
 Operator : SY/MD
 Sample : BLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 02 02:26:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

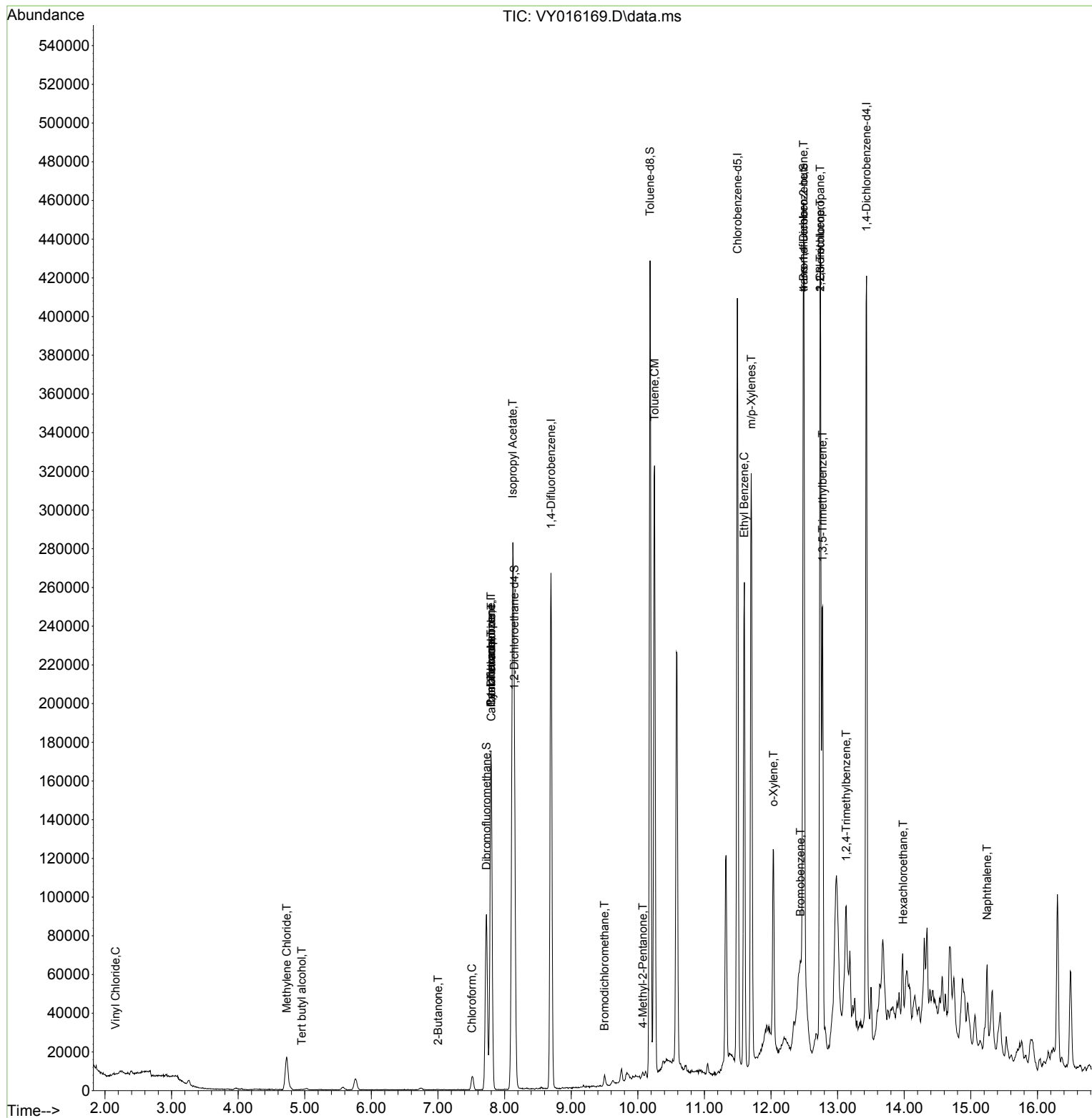
Internal Standards						
1) Pentafluorobenzene	7.795	168	139262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	234920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	219070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	104203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	74843	57.434	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.860%			
35) Dibromofluoromethane	7.728	113	64226	45.859	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.720%			
50) Toluene-d8	10.185	98	274647	49.461	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.920%			
62) 4-Bromofluorobenzene	12.489	95	99182	52.235	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.480%			
Target Compounds					Qvalue	
4) Vinyl Chloride	2.162	62	1484	1.169	ug/l #	44
11) Tert butyl alcohol	4.954	59	269	2.763	ug/l #	89
13) Acrolein	3.747	56	67	Below Cal		93
16) Acetone	3.966	43	1668	Below Cal		93
20) Methylene Chloride	4.729	84	12694	6.955	ug/l	89
25) 2-Butanone	7.003	43	442	1.229	ug/l #	49
30) Chloroform	7.509	83	7303	2.940	ug/l	93
31) Cyclohexane	7.795	56	2783	1.389	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	10735	5.308	ug/l #	48
38) Carbon Tetrachloride	7.801	117	13702	6.839	ug/l #	16
43) Isopropyl Acetate	8.124	43	5568	3.125	ug/l #	1
47) Bromodichloromethane	9.502	83	3958	1.966	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	1993	2.242	ug/l	94
52) Toluene	10.252	92	134748	35.816	ug/l	95
67) Ethyl Benzene	11.599	91	175760	22.577	ug/l	97
68) m/p-Xylenes	11.703	106	92788	30.845	ug/l	95
69) o-Xylene	12.038	106	27830	9.690	ug/l	97
76) 1,2,3-Trichloropropane	12.739	75	2216	2.258	ug/l #	100
77) Bromobenzene	12.441	156	102800	58.082	ug/l #	1
79) 2-Chlorotoluene	12.739	91	31793	6.168	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.776	105	113417	17.910	ug/l	72
81) trans-1,4-Dichloro-2-b...	12.489	75	52293	115.545	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.129	105	15626	2.494	ug/l	88
90) Hexachloroethane	13.983	117	1491	1.255	ug/l #	8
95) Naphthalene	15.245	128	31004	8.549	ug/l	98

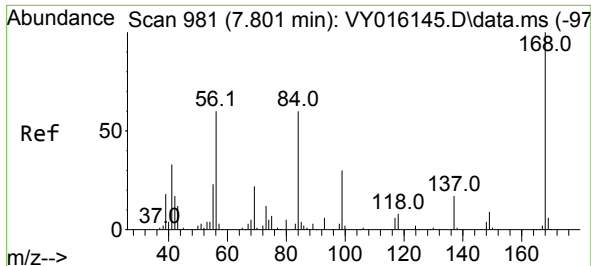
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

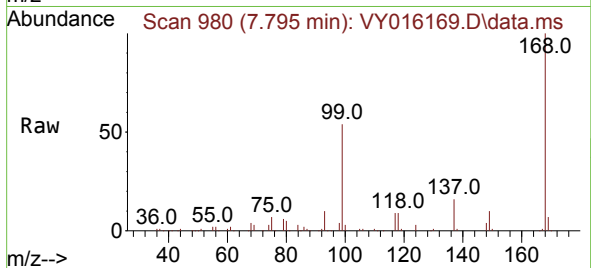
Quant Time: Nov 02 02:26:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration



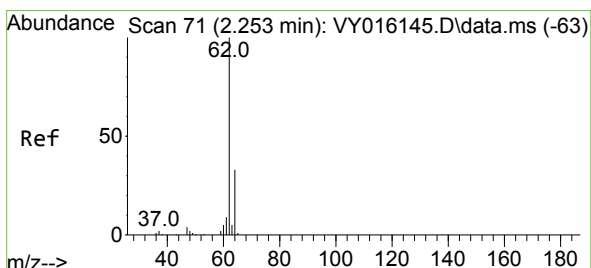
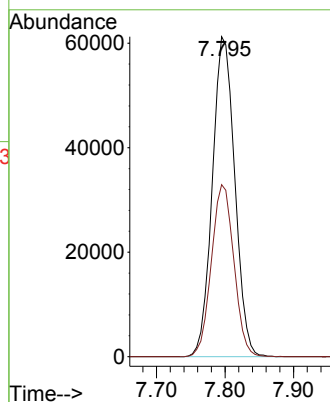
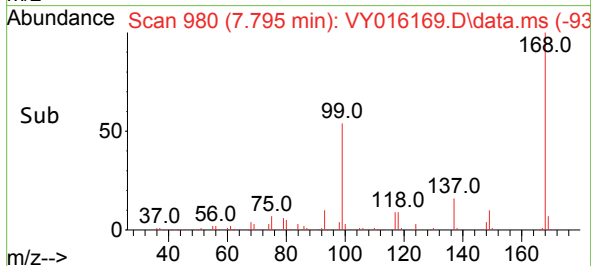


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

Instrument :
MSVOA_Y
ClientSampleId :

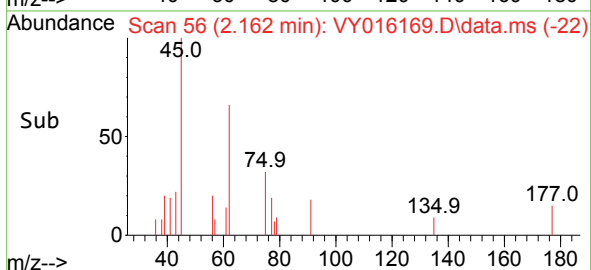
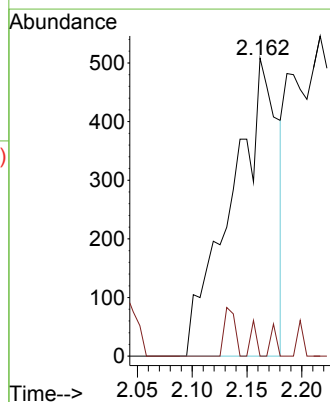
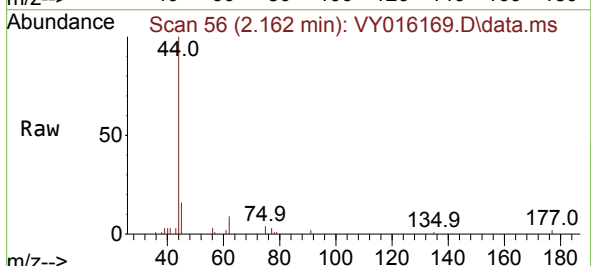


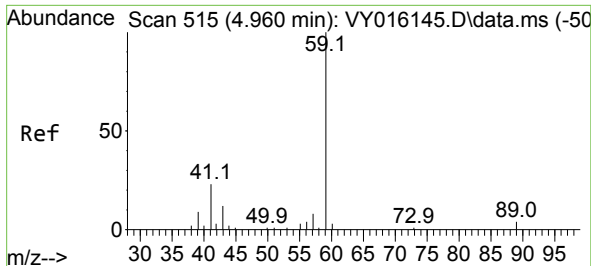
Tgt Ion:168 Resp: 139262
Ion Ratio Lower Upper
168 100
99 53.7 43.4 65.0



#4
Vinyl Chloride
Concen: 1.169 ug/l
RT: 2.162 min Scan# 56
Delta R.T. -0.091 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

Tgt Ion: 62 Resp: 1484
Ion Ratio Lower Upper
62 100
64 0.0 24.3 36.5#

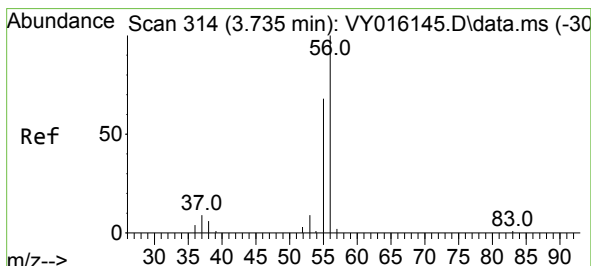
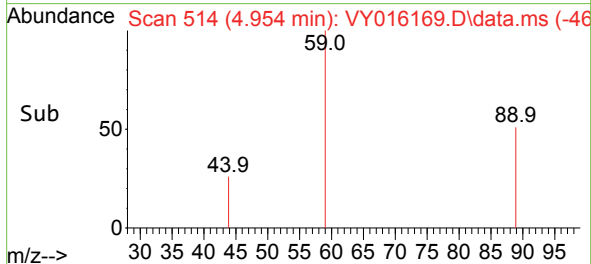
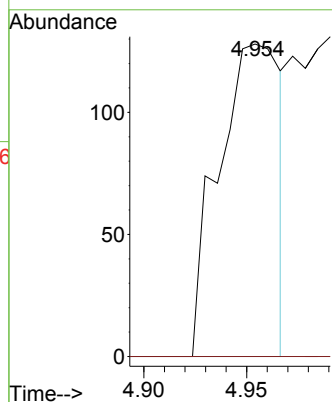
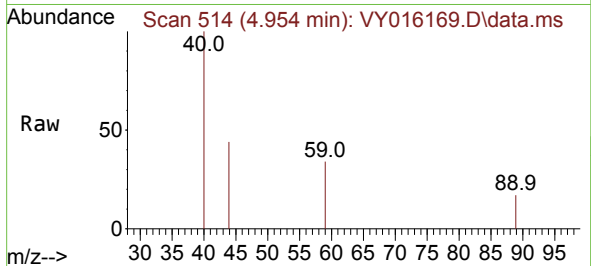




#11
Tert butyl alcohol
Concen: 2.763 ug/l
RT: 4.954 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

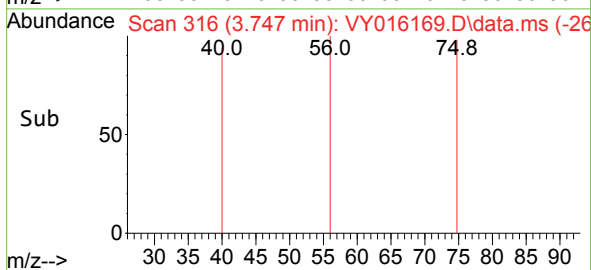
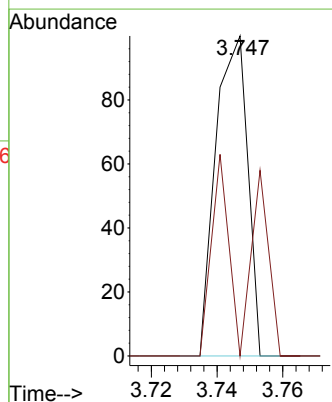
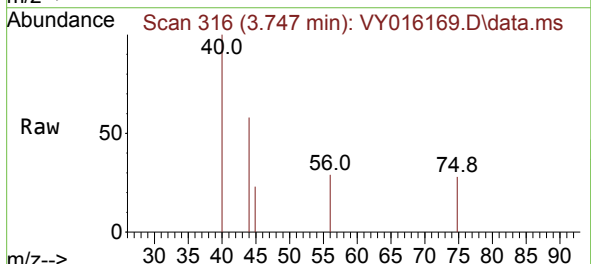
Instrument :
MSVOA_Y
ClientSampleId :

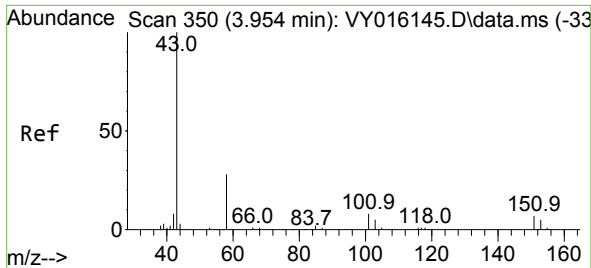
Tgt Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

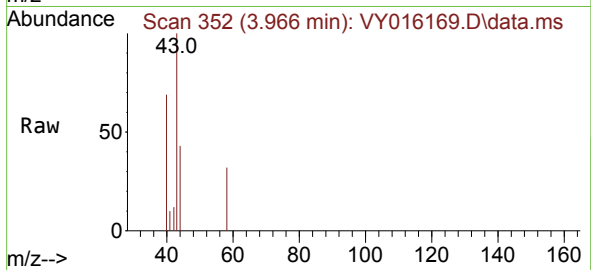
Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 65.7 57.0 85.4



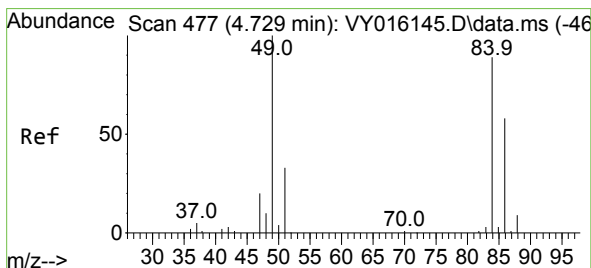
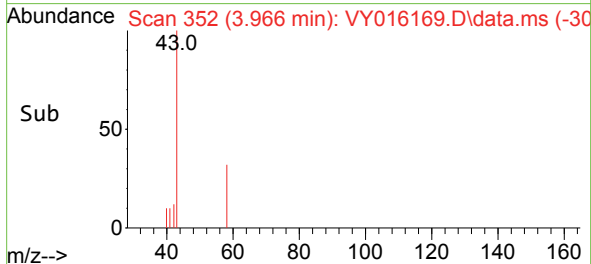
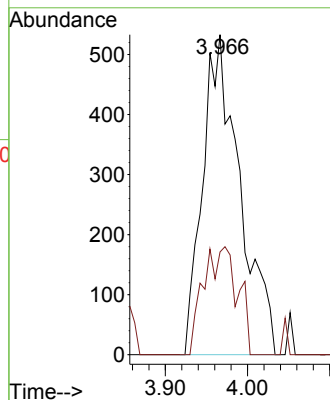


#16
Acetone
Concen: Below Cal
RT: 3.966 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

Instrument :
MSVOA_Y
ClientSampleId :

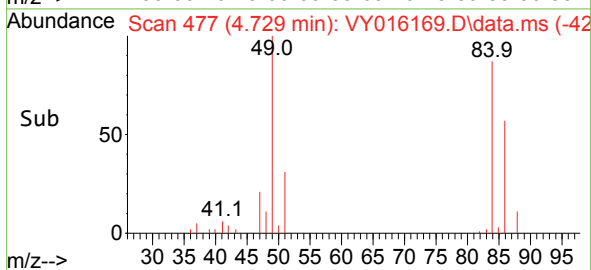
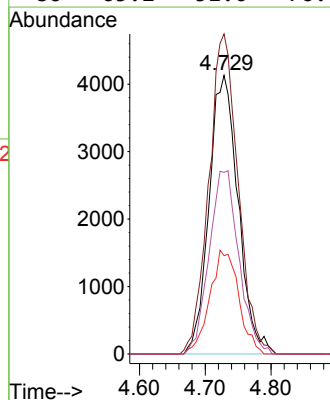
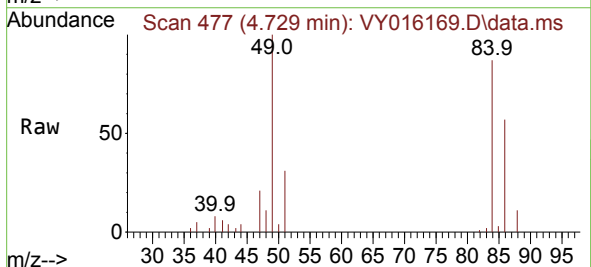


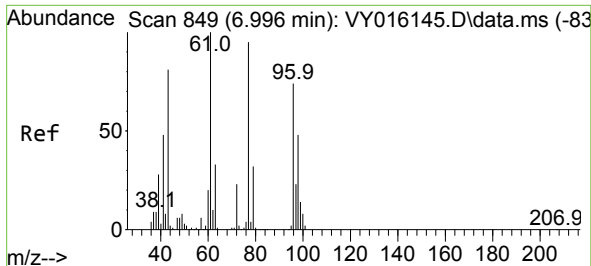
Tgt Ion: 43 Resp: 1668
Ion Ratio Lower Upper
43 100
58 32.1 22.7 34.1



#20
Methylene Chloride
Concen: 6.955 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

Tgt Ion: 84 Resp: 12694
Ion Ratio Lower Upper
84 100
49 114.9 106.9 160.3
51 35.4 33.2 49.8
86 65.2 51.0 76.6





#25

2-Butanone

Concen: 1.229 ug/l

RT: 7.003 min Scan# 849

Delta R.T. 0.006 min

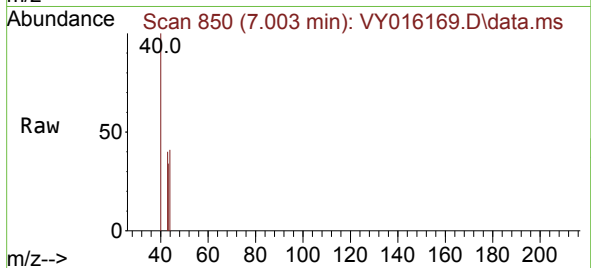
Lab File: VY016169.D

Acq: 01 Nov 2023 15:26

Instrument :

MSVOA_Y

ClientSampleId :

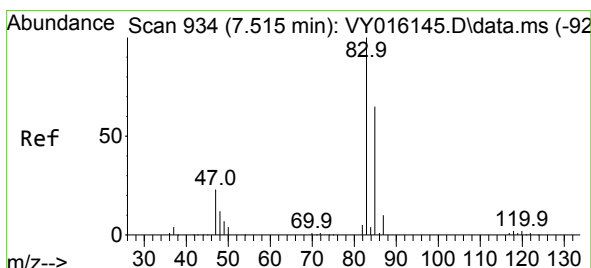
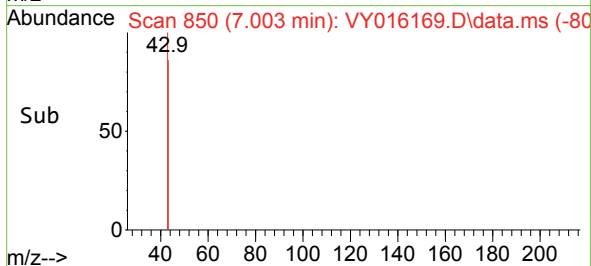
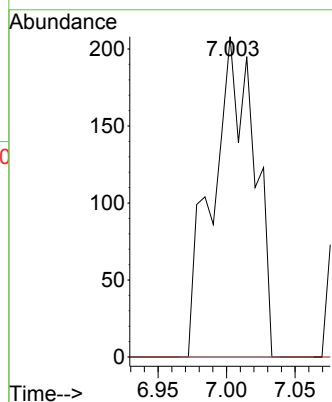


Tgt Ion: 43 Resp: 442

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#30

Chloroform

Concen: 2.940 ug/l

RT: 7.509 min Scan# 933

Delta R.T. -0.006 min

Lab File: VY016169.D

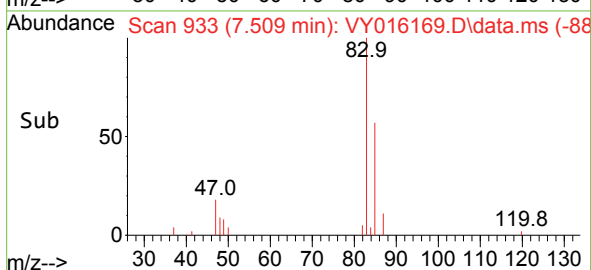
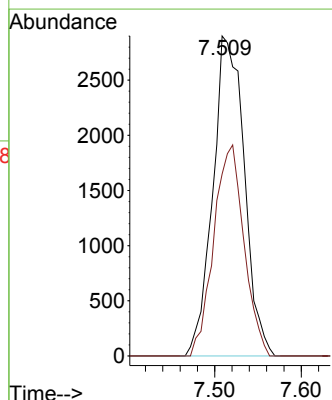
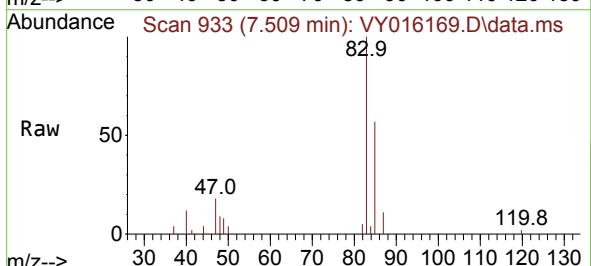
Acq: 01 Nov 2023 15:26

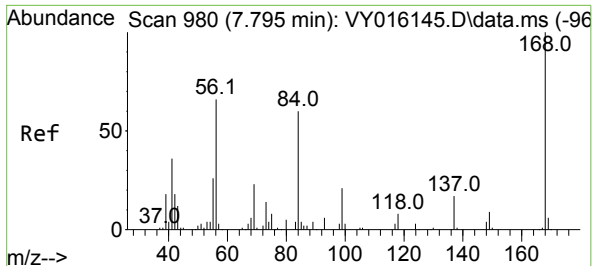
Tgt Ion: 83 Resp: 7303

Ion Ratio Lower Upper

83 100

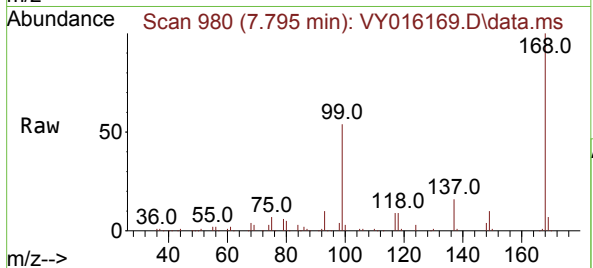
85 56.8 49.7 74.5



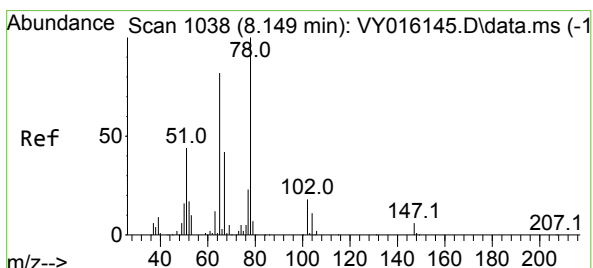
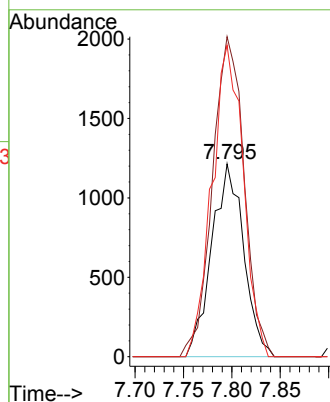
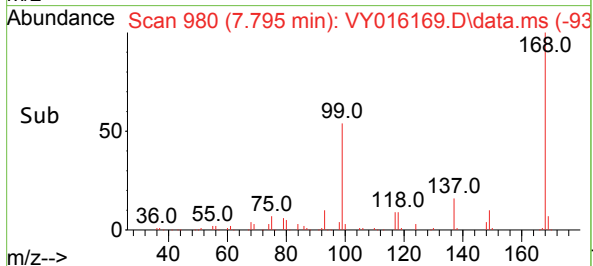


#31
Cyclohexane
Concen: 1.389 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

Instrument :
MSVOA_Y
ClientSampleId :

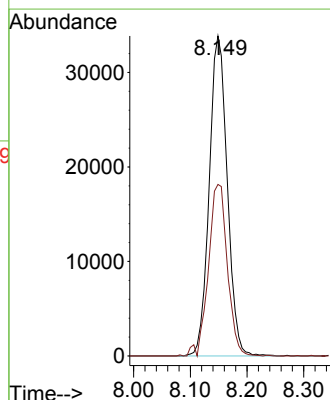
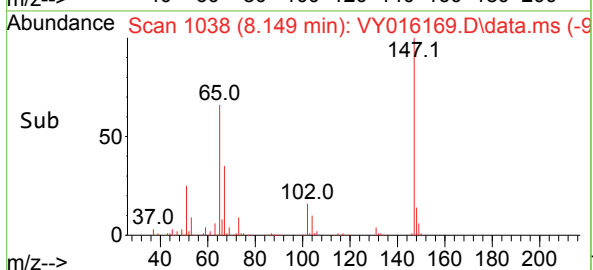
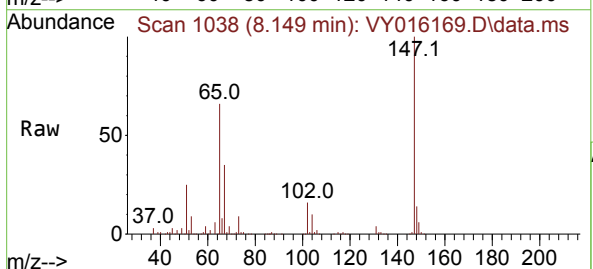


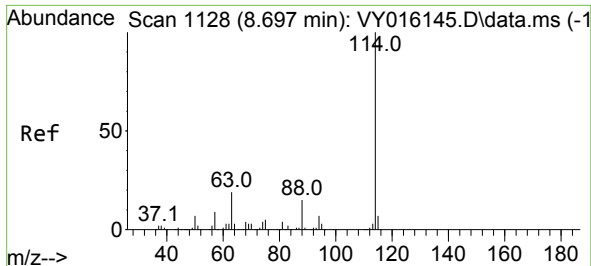
Tgt Ion: 56 Resp: 2783
Ion Ratio Lower Upper
56 100
69 166.0 27.8 41.6#
84 161.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 57.434 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

Tgt Ion: 65 Resp: 74843
Ion Ratio Lower Upper
65 100
67 56.3 0.0 101.8

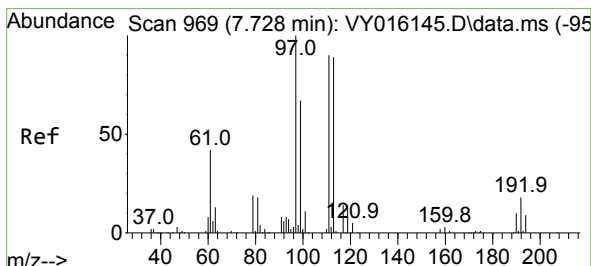
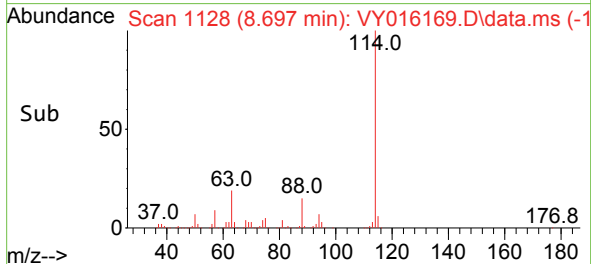
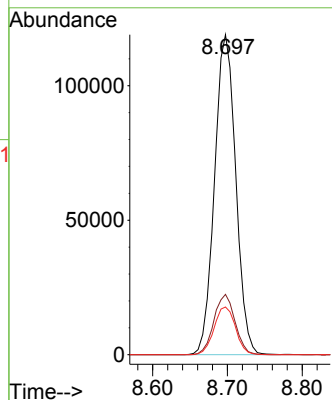
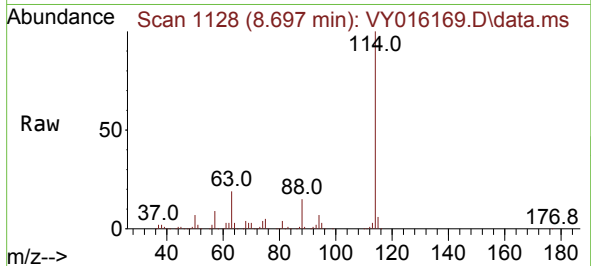




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

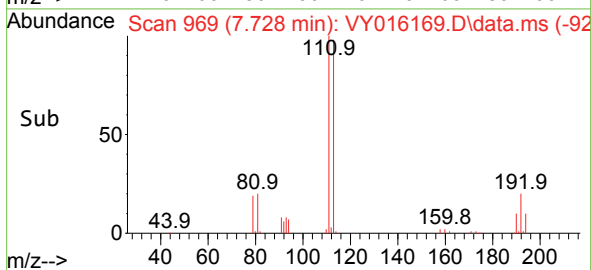
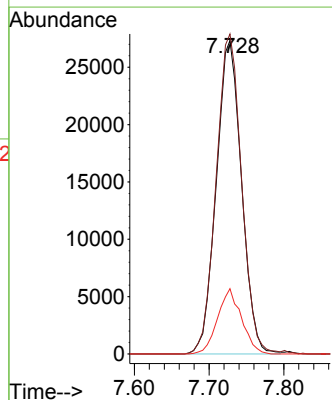
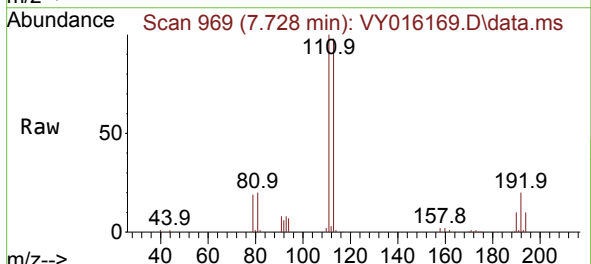
Instrument :
MSVOA_Y
ClientSampleId :

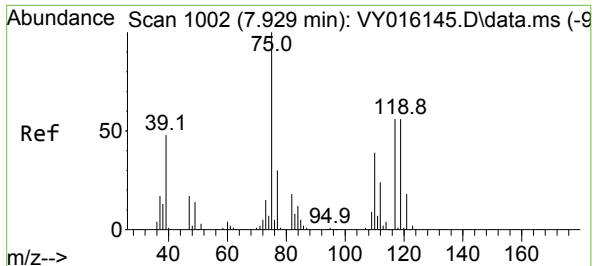
Tgt Ion:114 Resp: 234920
Ion Ratio Lower Upper
114 100
63 18.8 0.0 42.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 45.859 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

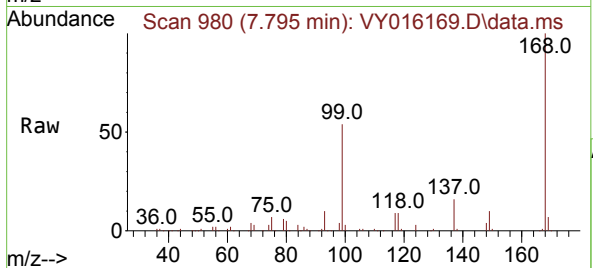
Tgt Ion:113 Resp: 64226
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 19.7 16.9 25.3



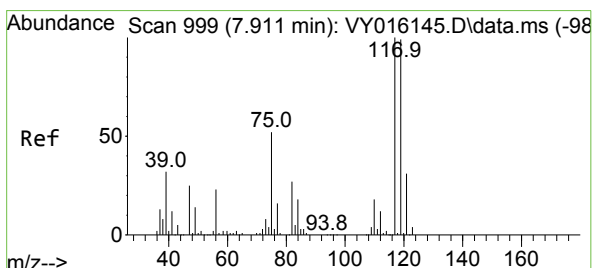
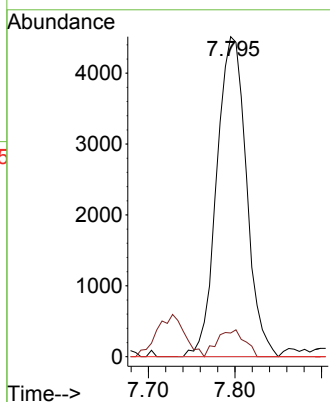
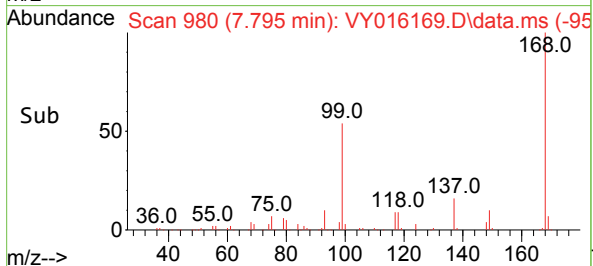


#36
 1,1-Dichloropropene
 Concen: 5.308 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.134 min
 Lab File: VY016169.D
 Acq: 01 Nov 2023 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :

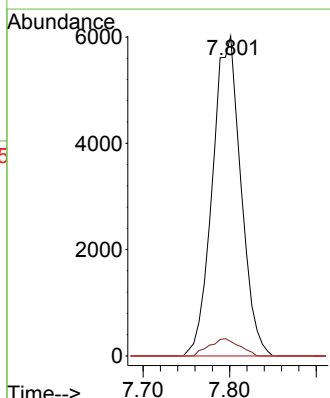
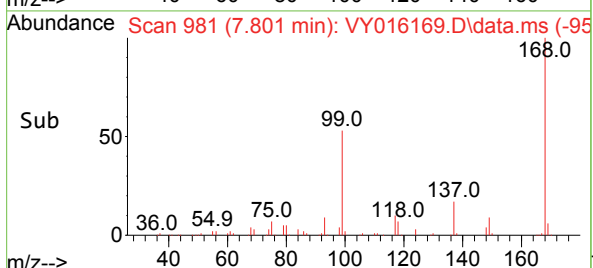
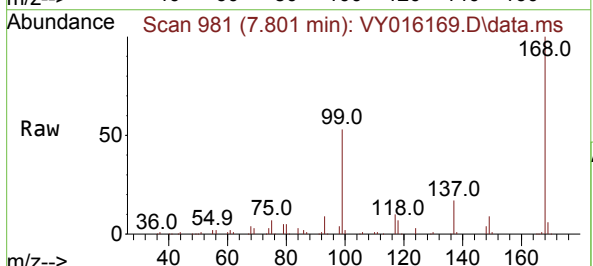


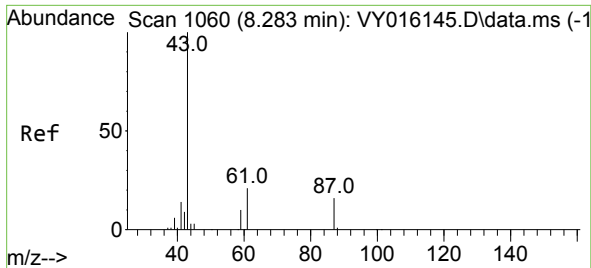
Tgt Ion: 75 Resp: 10735
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.839 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.110 min
 Lab File: VY016169.D
 Acq: 01 Nov 2023 15:26

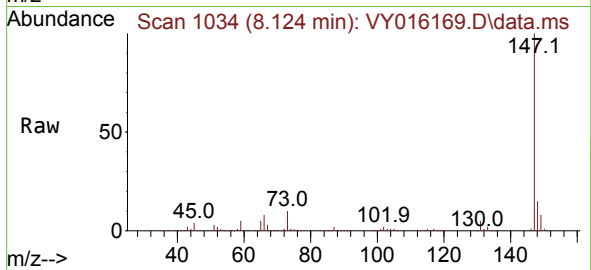
Tgt Ion: 117 Resp: 13702
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.4 114.6#
 121 0.0 25.8 38.6#



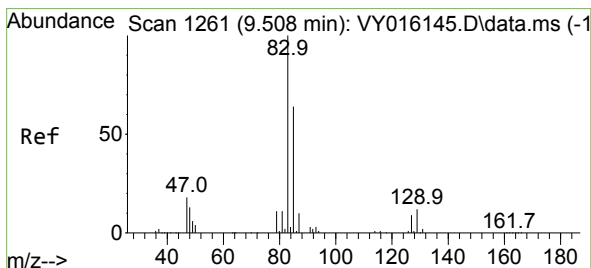
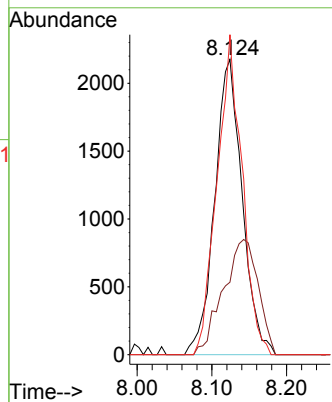
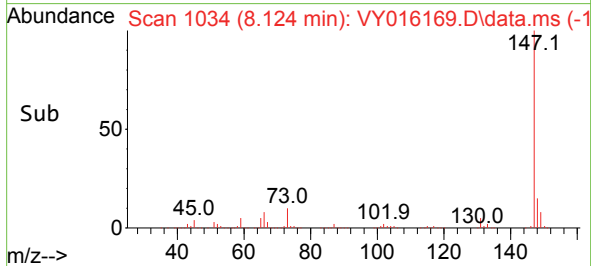


#43
Isopropyl Acetate
Concen: 3.125 ug/l
RT: 8.124 min Scan# 1034
Delta R.T. -0.159 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

Instrument :
MSVOA_Y
ClientSampleId :

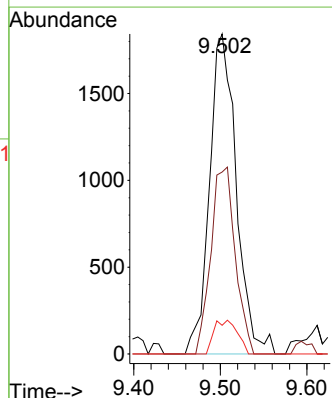
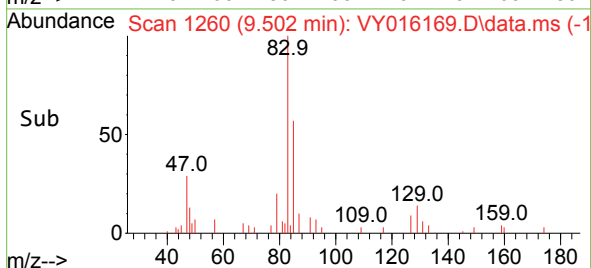
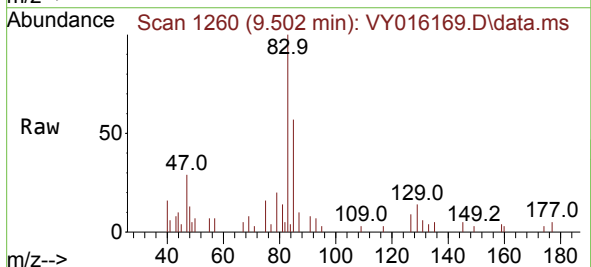


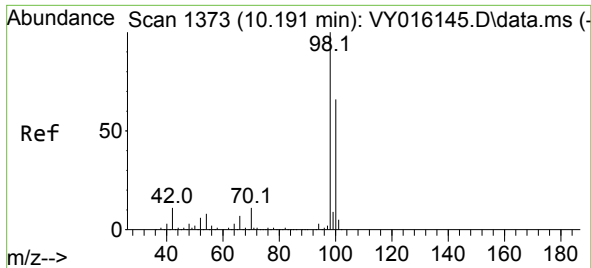
Tgt Ion:	43	Resp:	5568
Ion	Ratio	Lower	Upper
43	100		
61	49.4	21.1	31.7#
87	98.8	9.8	14.8#



#47
Bromodichloromethane
Concen: 1.966 ug/l
RT: 9.502 min Scan# 1260
Delta R.T. -0.006 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

Tgt Ion:	83	Resp:	3958
Ion	Ratio	Lower	Upper
83	100		
85	56.9	50.1	75.1
127	9.0	7.1	10.7

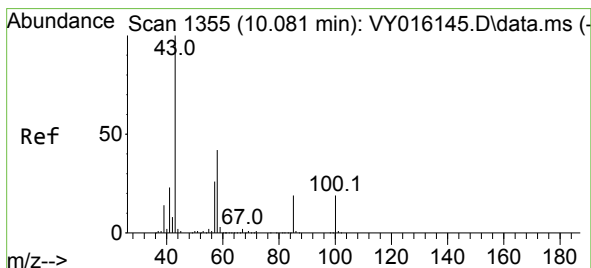
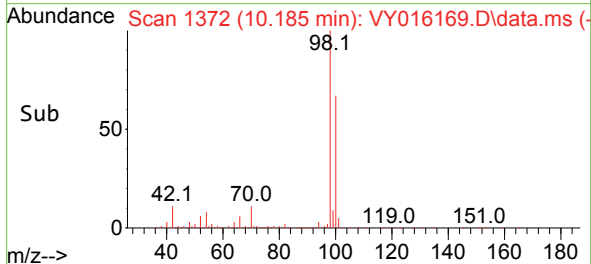
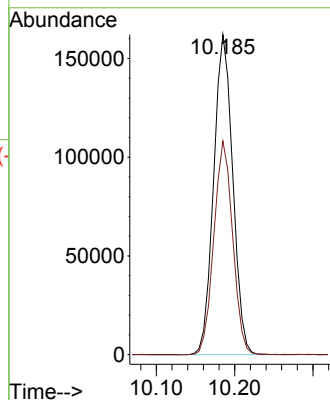
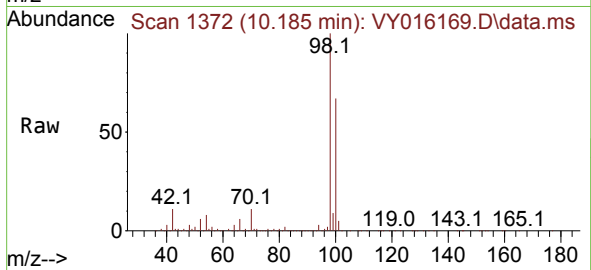




#50
Toluene-d8
Concen: 49.461 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

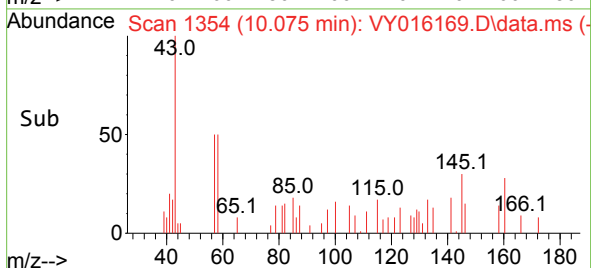
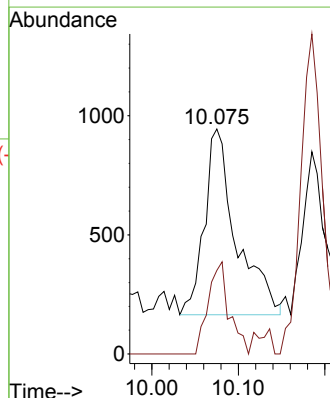
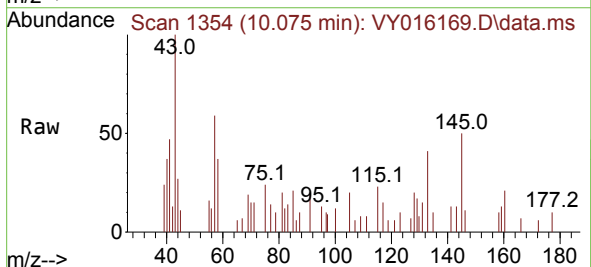
Instrument :
MSVOA_Y
ClientSampleId :

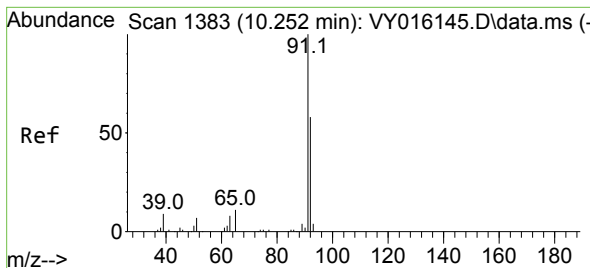
Tgt Ion: 98 Resp: 274647
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 2.242 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.006 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

Tgt Ion: 43 Resp: 1993
Ion Ratio Lower Upper
43 100
58 32.8 29.0 43.6





#52

Toluene

Concen: 35.816 ug/l

RT: 10.252 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016169.D

Acq: 01 Nov 2023 15:26

Instrument :

MSVOA_Y

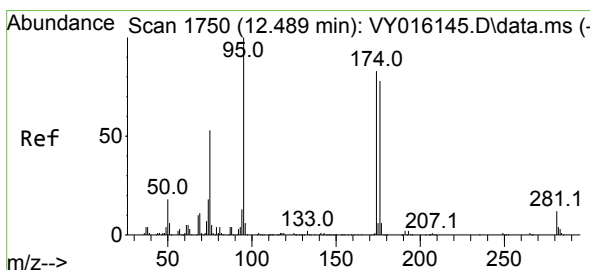
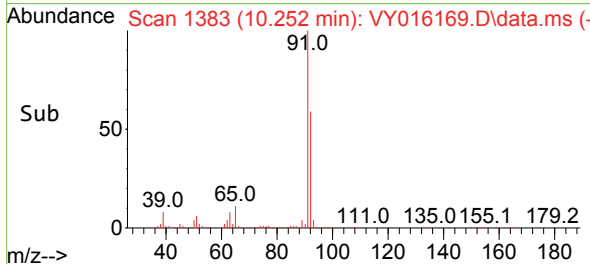
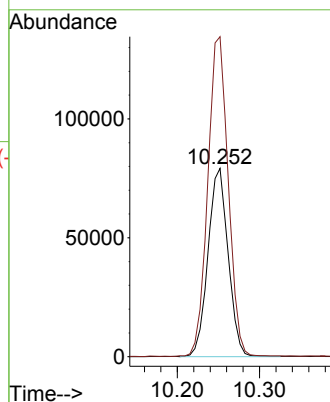
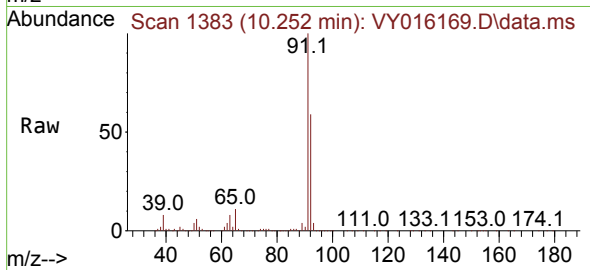
ClientSampleId :

Tgt Ion: 92 Resp: 134748

Ion Ratio Lower Upper

92 100

91 172.5 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 52.235 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY016169.D

Acq: 01 Nov 2023 15:26

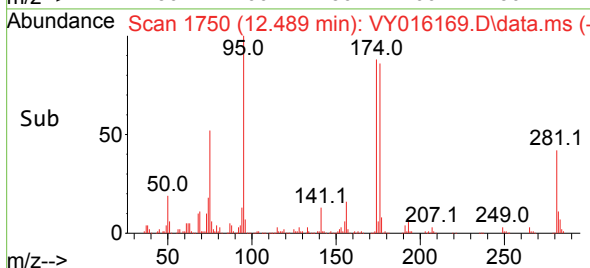
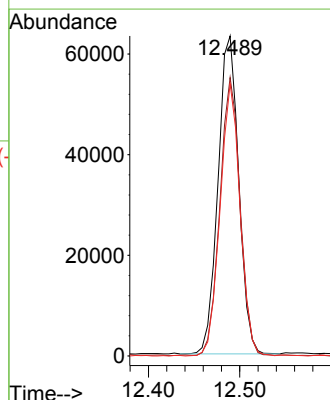
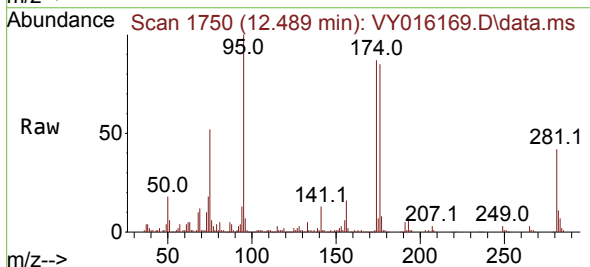
Tgt Ion: 95 Resp: 99182

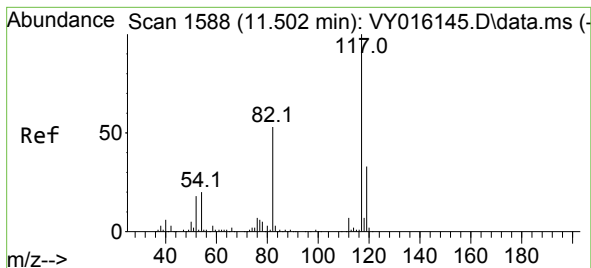
Ion Ratio Lower Upper

95 100

174 85.9 0.0 178.2

176 82.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016169.D

Acq: 01 Nov 2023 15:26

Instrument :

MSVOA_Y

ClientSampleId :

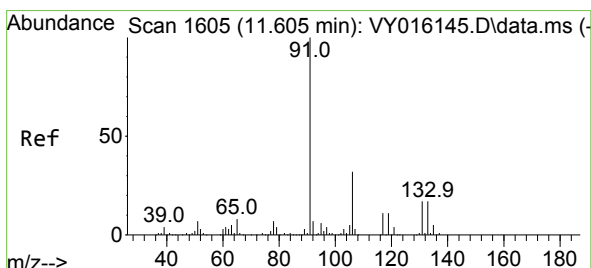
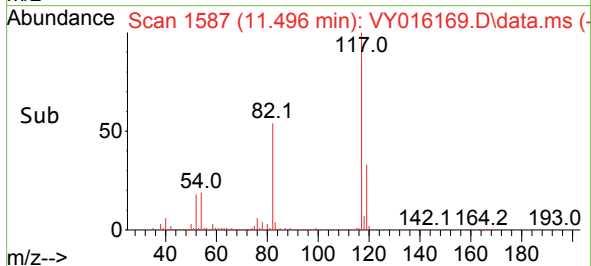
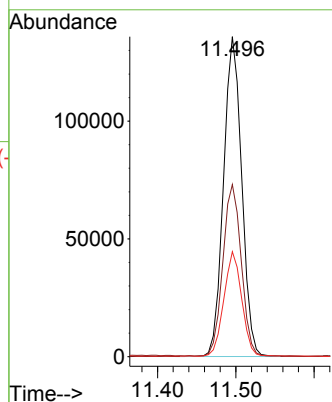
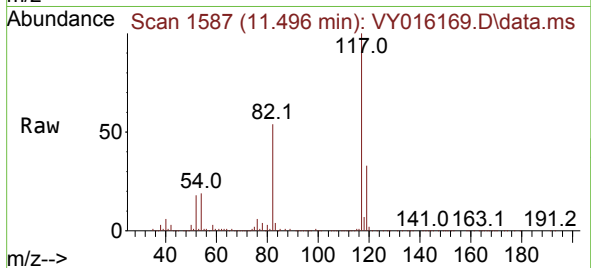
Tgt Ion:117 Resp: 219070

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 32.7 26.3 39.5



#67

Ethyl Benzene

Concen: 22.577 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. -0.006 min

Lab File: VY016169.D

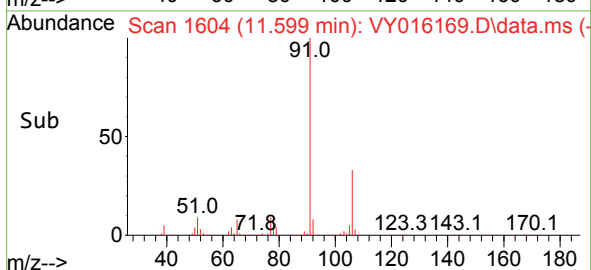
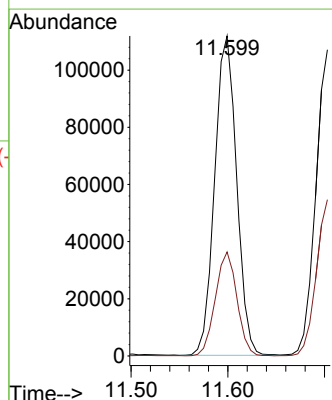
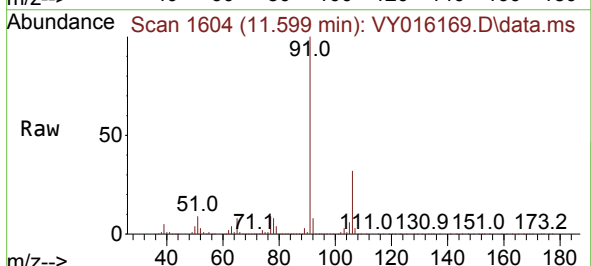
Acq: 01 Nov 2023 15:26

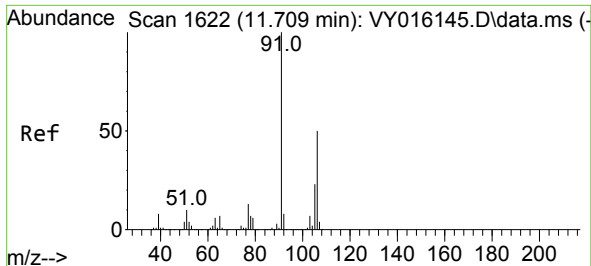
Tgt Ion: 91 Resp: 175760

Ion Ratio Lower Upper

91 100

106 32.5 24.6 36.8

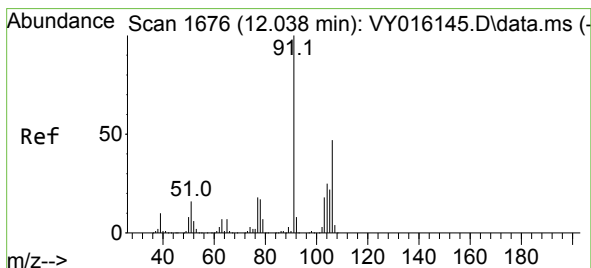
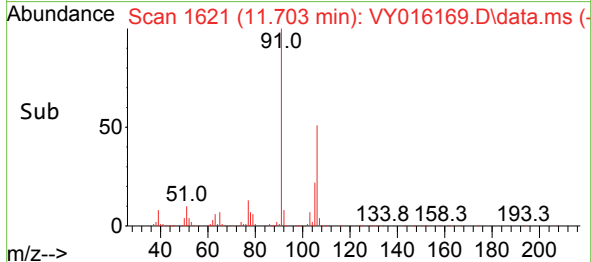
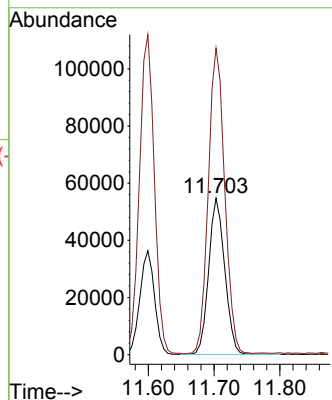
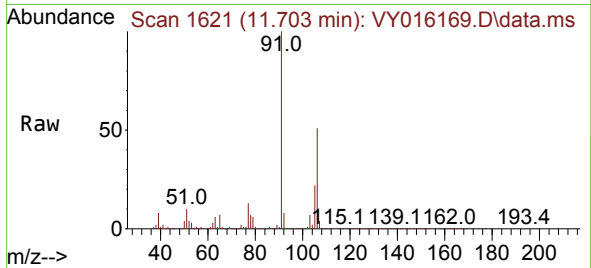




#68
m/p-Xylenes
Concen: 30.845 ug/l
RT: 11.703 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

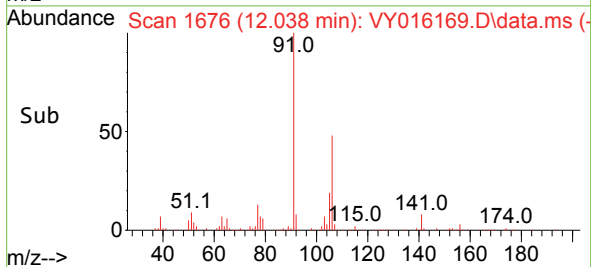
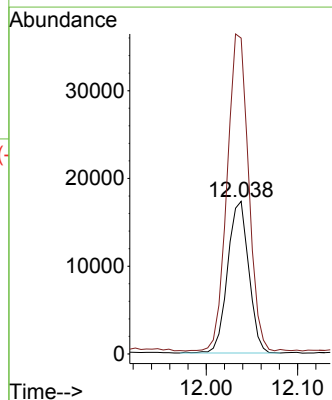
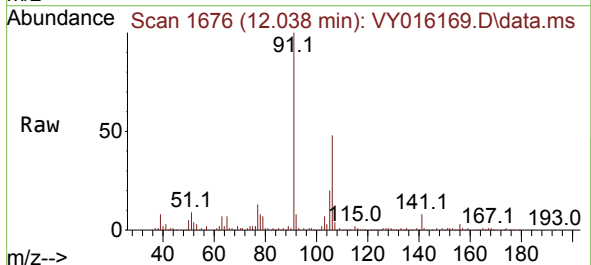
Instrument :
MSVOA_Y
ClientSampleId :

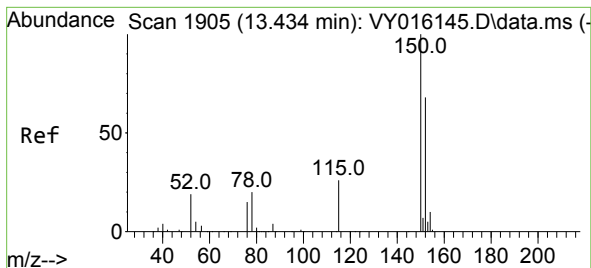
Tgt Ion:106 Resp: 92788
Ion Ratio Lower Upper
106 100
91 199.4 166.1 249.1



#69
o-Xylene
Concen: 9.690 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VY016169.D
Acq: 01 Nov 2023 15:26

Tgt Ion:106 Resp: 27830
Ion Ratio Lower Upper
106 100
91 210.9 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY016169.D

Acq: 01 Nov 2023 15:26

Instrument :

MSVOA_Y

ClientSampleId :

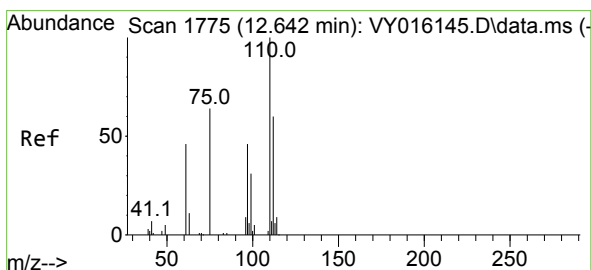
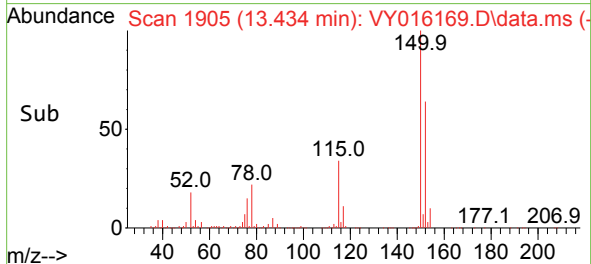
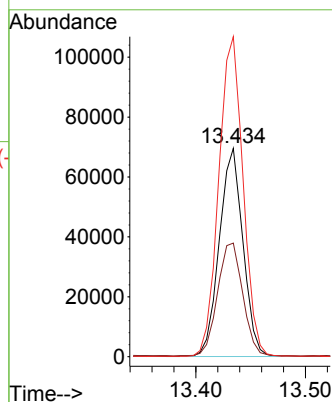
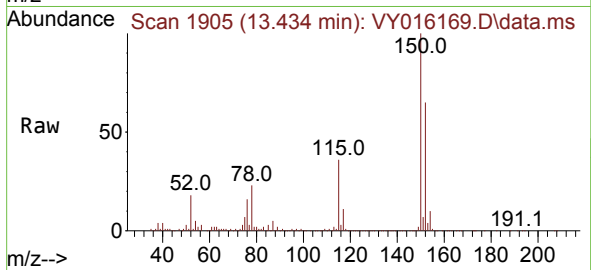
Tgt Ion:152 Resp: 104203

Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.5

150 157.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 2.258 ug/l

RT: 12.739 min Scan# 1791

Delta R.T. 0.098 min

Lab File: VY016169.D

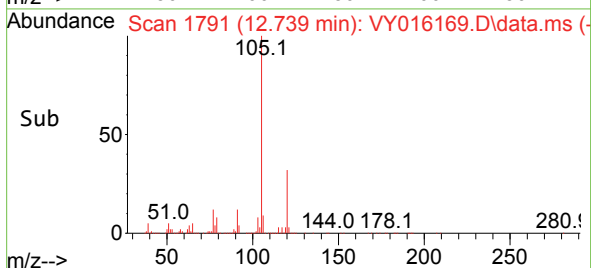
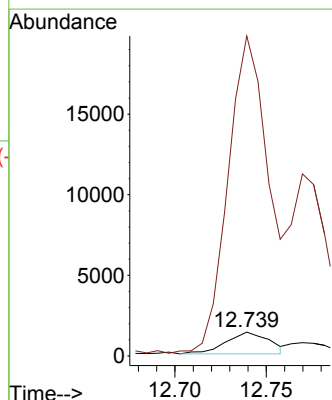
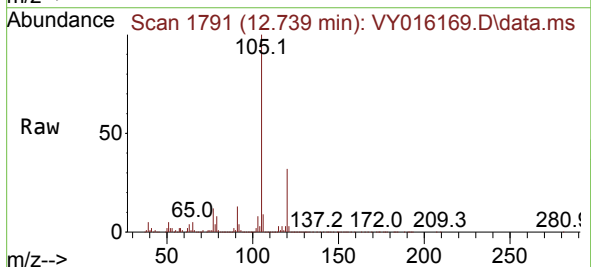
Acq: 01 Nov 2023 15:26

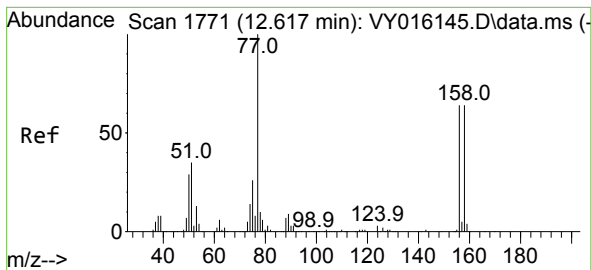
Tgt Ion: 75 Resp: 2216

Ion Ratio Lower Upper

75 100

77 1363.0 0.0 0.0#





#77

Bromobenzene

Concen: 58.082 ug/l

RT: 12.441 min Scan# 1771

Delta R.T. -0.177 min

Lab File: VY016169.D

Acq: 01 Nov 2023 15:26

Instrument :

MSVOA_Y

ClientSampleId :

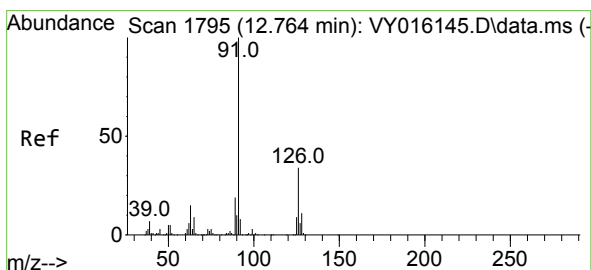
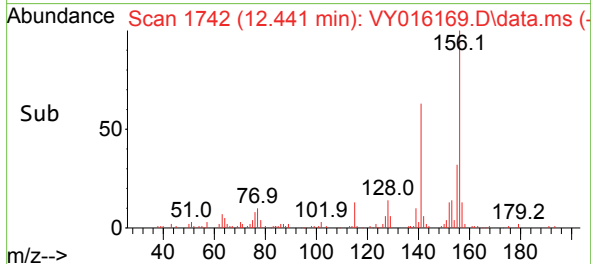
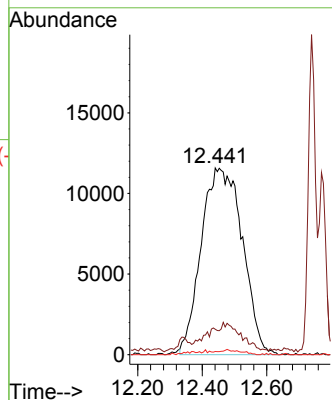
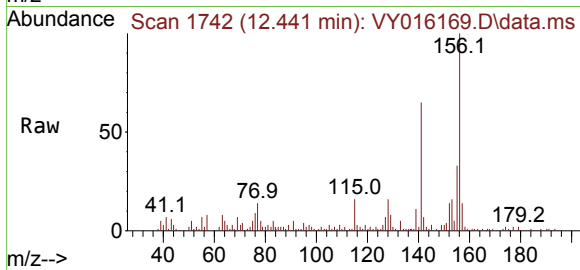
Tgt Ion:156 Resp: 102800

Ion Ratio Lower Upper

156 100

77 3.2 92.8 278.6#

158 0.0 48.4 145.3#



#79

2-Chlorotoluene

Concen: 6.168 ug/l

RT: 12.739 min Scan# 1791

Delta R.T. -0.024 min

Lab File: VY016169.D

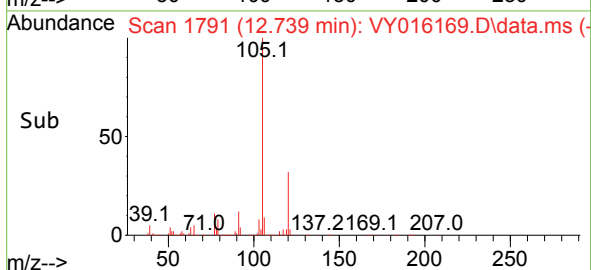
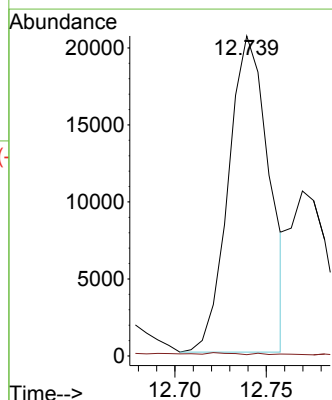
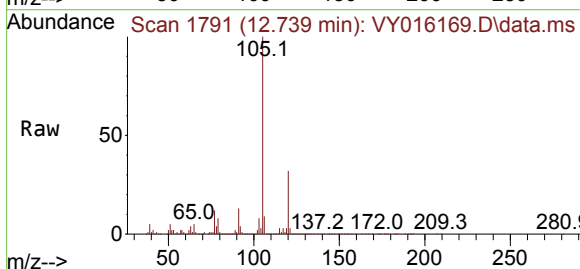
Acq: 01 Nov 2023 15:26

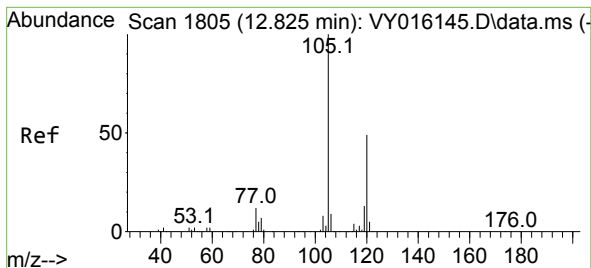
Tgt Ion: 91 Resp: 31793

Ion Ratio Lower Upper

91 100

126 0.4 17.3 51.7#





#80

1,3,5-Trimethylbenzene

Concen: 17.910 ug/l

RT: 12.776 min Scan# 1

Delta R.T. -0.049 min

Lab File: VY016169.D

Acq: 01 Nov 2023 15:26

Instrument :

MSVOA_Y

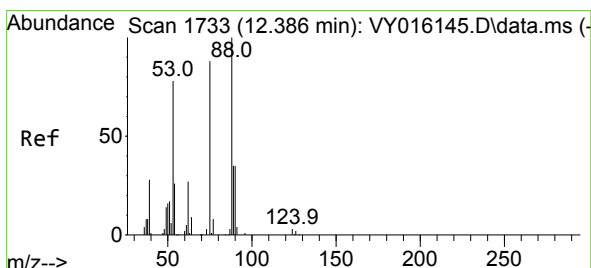
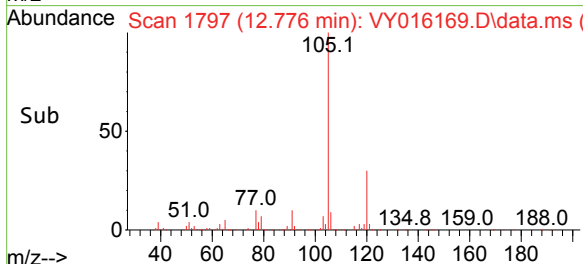
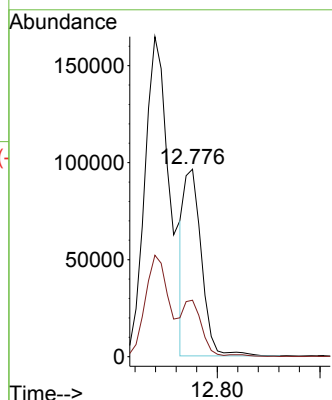
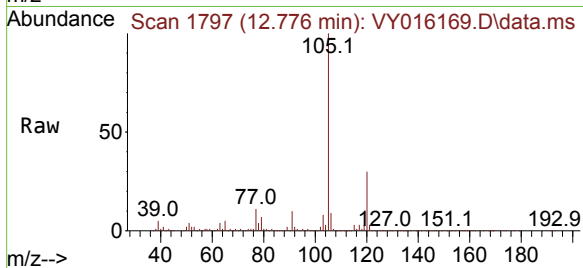
ClientSampleId :

Tgt Ion:105 Resp: 113417

Ion Ratio Lower Upper

105 100

120 29.0 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 115.545 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY016169.D

Acq: 01 Nov 2023 15:26

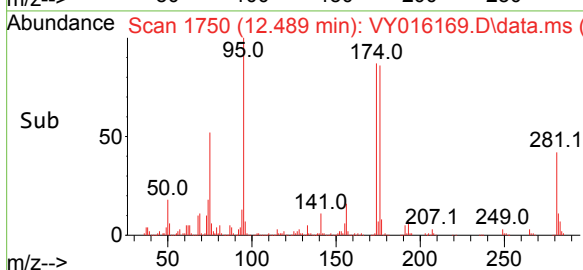
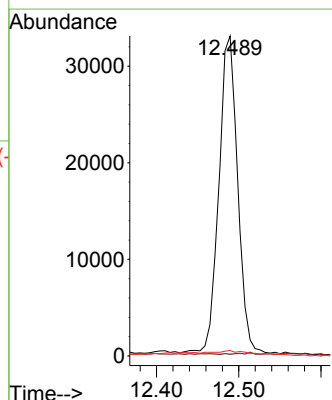
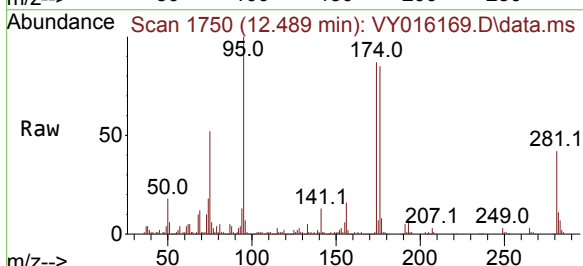
Tgt Ion: 75 Resp: 52293

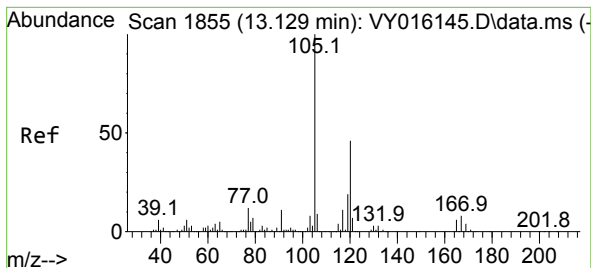
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 3.0 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 2.494 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.000 min

Lab File: VY016169.D

Acq: 01 Nov 2023 15:26

Instrument :

MSVOA_Y

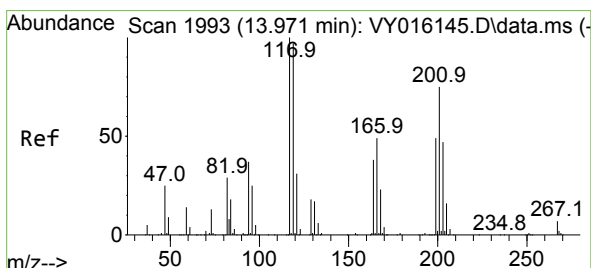
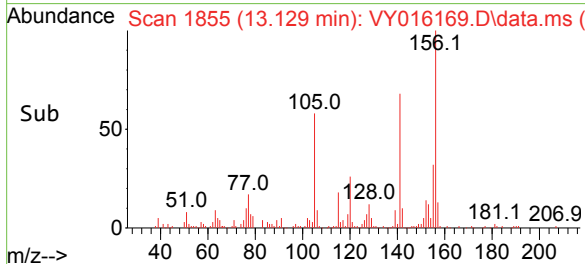
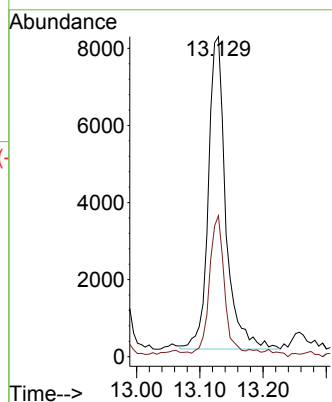
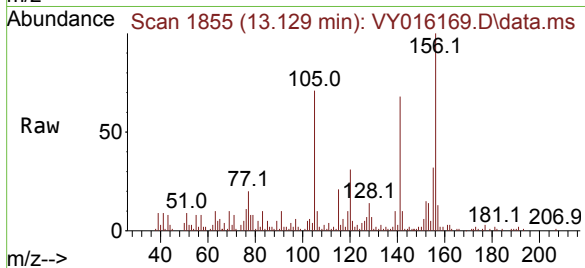
ClientSampleId :

Tgt Ion:105 Resp: 15626

Ion Ratio Lower Upper

105 100

120 36.7 22.2 66.6



#90

Hexachloroethane

Concen: 1.255 ug/l

RT: 13.983 min Scan# 1995

Delta R.T. 0.012 min

Lab File: VY016169.D

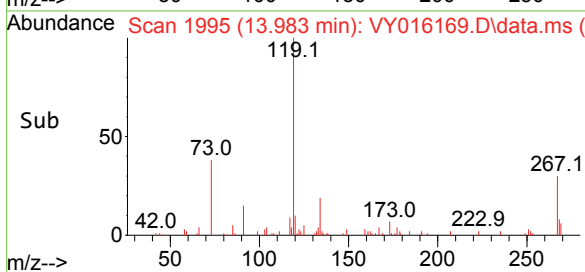
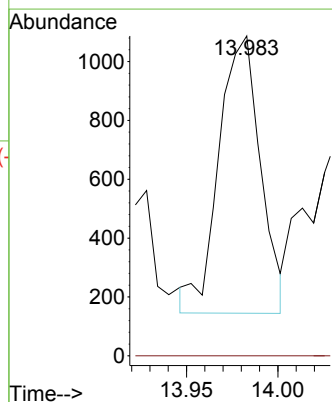
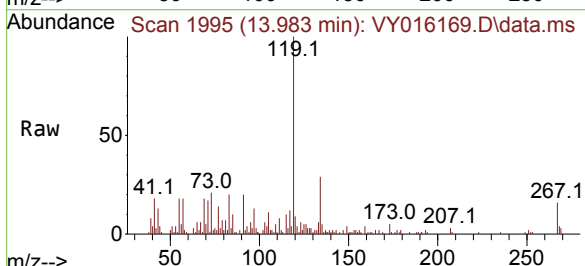
Acq: 01 Nov 2023 15:26

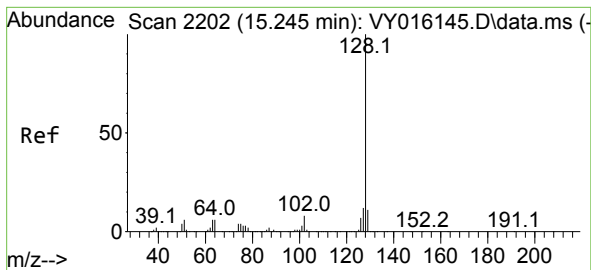
Tgt Ion:117 Resp: 1491

Ion Ratio Lower Upper

117 100

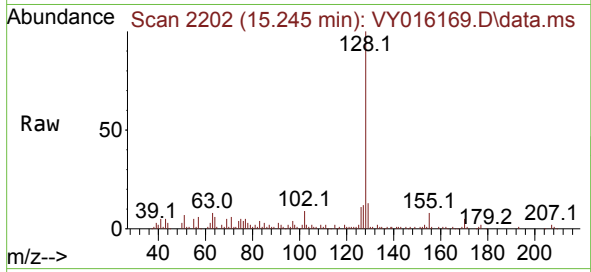
201 0.0 41.6 124.8#





#95
 Naphthalene
 Concen: 8.549 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY016169.D
 Acq: 01 Nov 2023 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	31004
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.8	16.2
129	12.3	8.6	13.0

