

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
 Data File : VY016185.D
 Acq On : 02 Nov 2023 13:14
 Operator : SY/MD
 Sample : 05170-01RE
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 03 01:39:34 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	7.801	168	1705	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.697	114	2833	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	2501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	927	58.104	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.200%			
35) Dibromofluoromethane	7.728	113	492	29.130	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 58.260%			
50) Toluene-d8	10.191	98	3434	51.282	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.560%			
62) 4-Bromofluorobenzene	12.489	95	866	37.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 75.640%			
Target Compounds						Qvalue
3) Chloromethane	2.125	50	73	4.848	ug/l	# 43
4) Vinyl Chloride	2.265	62	75	4.826	ug/l	# 44
16) Acetone	3.948	43	266	92.419	ug/l	# 46
20) Methylene Chloride	4.734	84	38	Below Cal		# 32
36) 1,1-Dichloropropene	7.789	75	116	4.756	ug/l	# 41
38) Carbon Tetrachloride	7.801	117	112	4.635	ug/l	# 12
40) Benzene	8.179	78	1265	18.067	ug/l	98
42) 1,2-Dichloroethane	8.246	62	1750	89.564	ug/l	96
51) 4-Methyl-2-Pentanone	10.081	43	27	2.518	ug/l	# 39
52) Toluene	10.252	92	2740	60.392	ug/l	88
65) Chlorobenzene	11.526	112	157	3.160	ug/l	# 43
67) Ethyl Benzene	11.605	91	1127	12.681	ug/l	# 84
68) m/p-Xylenes	11.709	106	1398	40.707	ug/l	86
69) o-Xylene	12.038	106	206	6.282	ug/l	97
73) Isopropylbenzene	12.343	105	97	2.144	ug/l	# 48
76) 1,2,3-Trichloropropane	12.495	75	546	96.152	ug/l	# 100
78) n-propylbenzene	12.672	91	198	3.703	ug/l	# 53
79) 2-Chlorotoluene	12.769	91	77	2.582	ug/l	# 40
80) 1,3,5-Trimethylbenzene	12.824	105	106	2.893	ug/l	71
81) trans-1,4-Dichloro-2-b...	12.495	75	546	208.480	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.123	105	405	11.169	ug/l	92
85) sec-Butylbenzene	13.263	105	110	2.286	ug/l	# 56
86) p-Isopropyltoluene	13.373	119	70	1.755	ug/l	# 49
87) 1,3-Dichlorobenzene	13.458	146	59	2.913	ug/l	# 25
88) 1,4-Dichlorobenzene	13.458	146	59	2.947	ug/l	# 25
91) 1,2-Dichlorobenzene	13.733	146	64	3.657	ug/l	# 58
95) Naphthalene	15.245	128	291	13.867	ug/l	# 69

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

Instrument :

MSVOA Y

ClientSampleId :

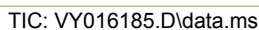
Quant Time: Nov 03 01:39:34 2023

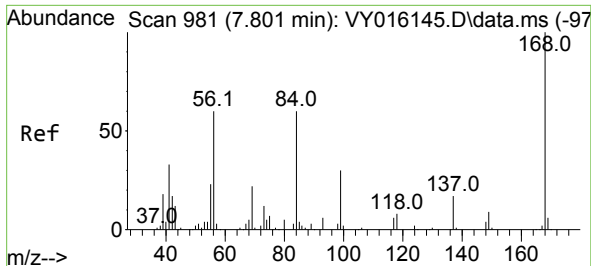
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Quant Title : SW846 8260

QLast Update : Wed Nov 01 03:33:29 2023

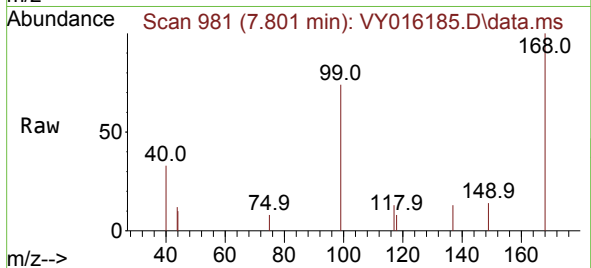
Response via : Initial Calibration



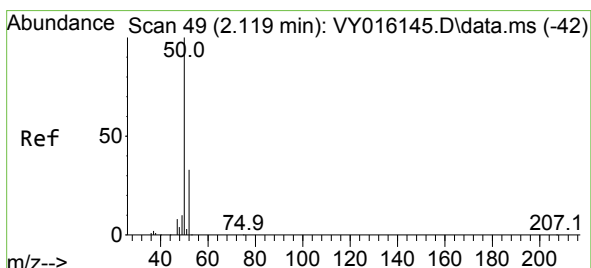
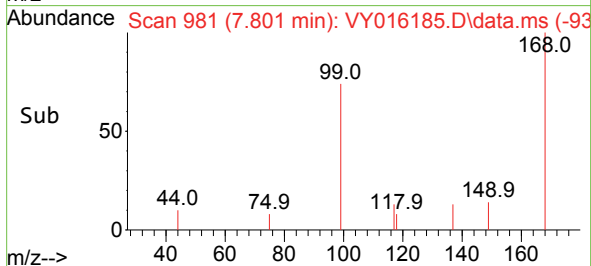
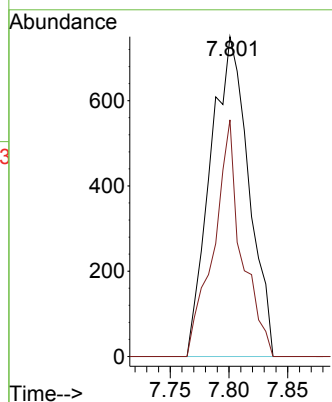


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

Instrument :
MSVOA_Y
ClientSampleId :

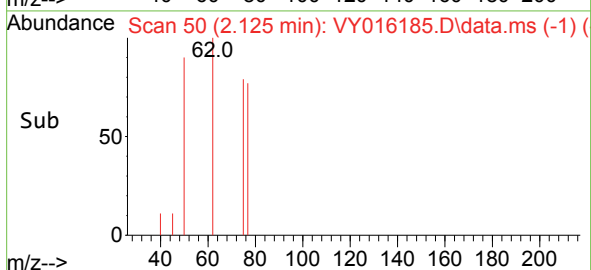
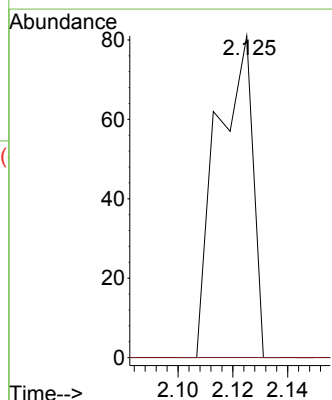
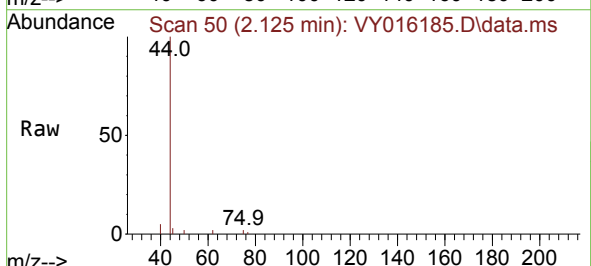


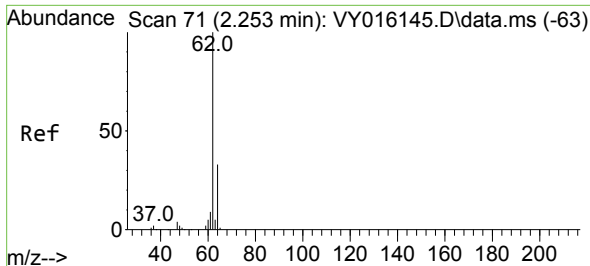
Tgt Ion:168 Resp: 1705
Ion Ratio Lower Upper
168 100
99 74.0 43.4 65.0#



#3
Chloromethane
Concen: 4.848 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

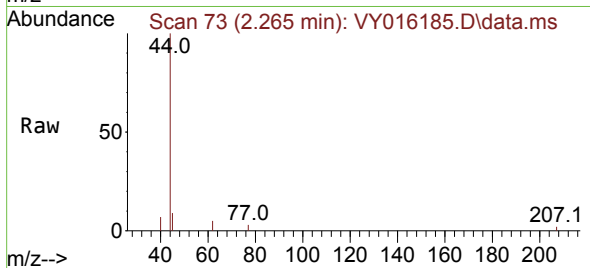
Tgt Ion: 50 Resp: 73
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



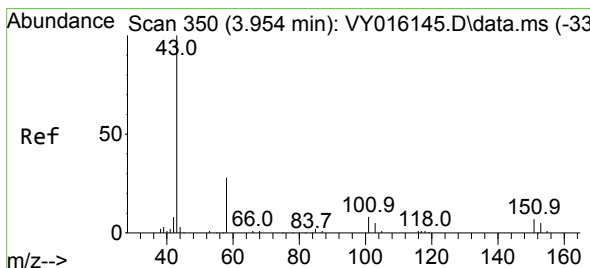
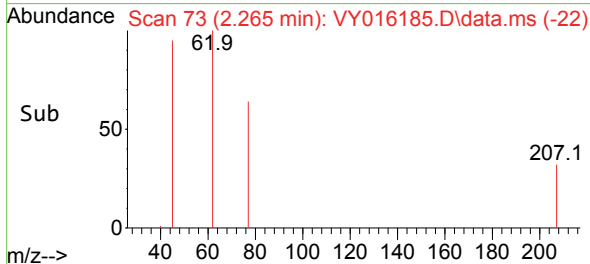
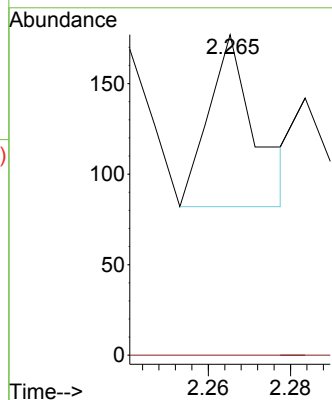


#4
 Vinyl Chloride
 Concen: 4.826 ug/l
 RT: 2.265 min Scan# 71
 Delta R.T. 0.012 min
 Lab File: VY016185.D
 Acq: 02 Nov 2023 13:14

Instrument :
 MSVOA_Y
 ClientSampleId :

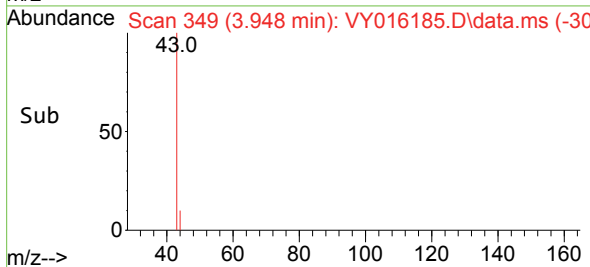
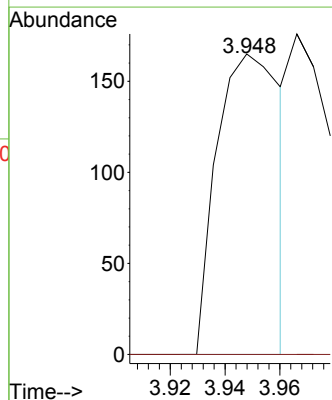
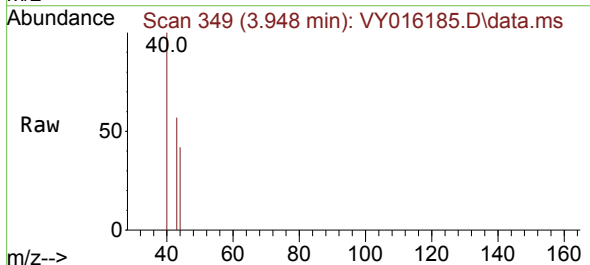


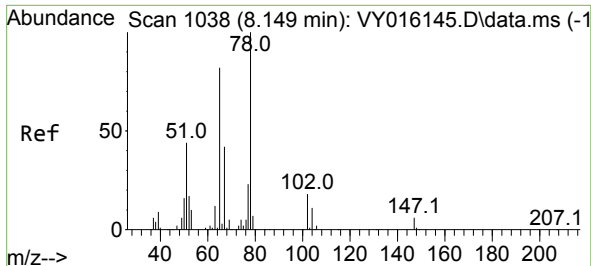
Tgt Ion: 62 Resp: 75
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.3 36.5#



#16
 Acetone
 Concen: 92.419 ug/l
 RT: 3.948 min Scan# 349
 Delta R.T. -0.006 min
 Lab File: VY016185.D
 Acq: 02 Nov 2023 13:14

Tgt Ion: 43 Resp: 266
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.7 34.1#





#33

1,2-Dichloroethane-d4

Concen: 58.104 ug/l

RT: 8.148 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY016185.D

Acq: 02 Nov 2023 13:14

Instrument :

MSVOA_Y

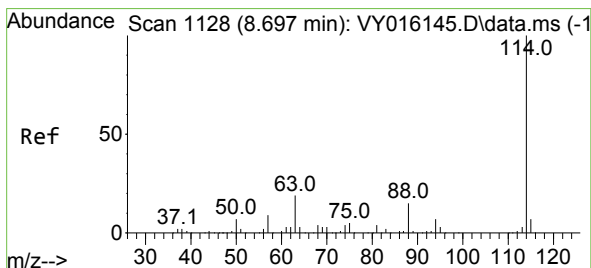
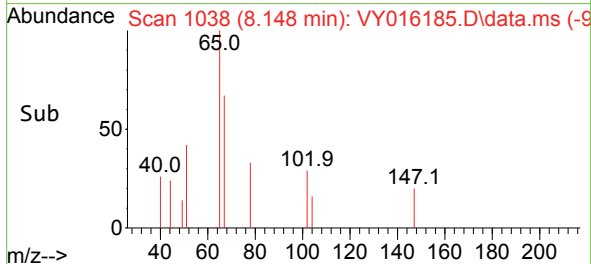
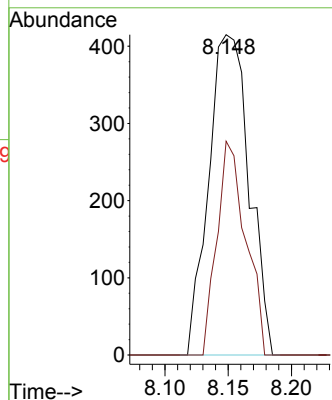
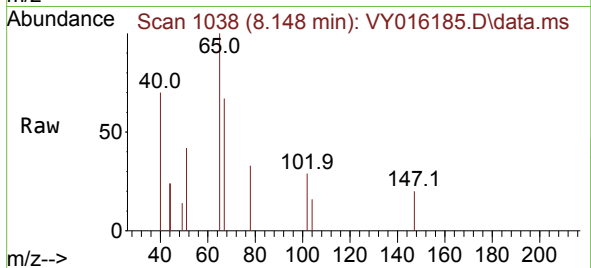
ClientSampleId :

Tgt Ion: 65 Resp: 927

Ion Ratio Lower Upper

65 100

67 47.2 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: VY016185.D

Acq: 02 Nov 2023 13:14

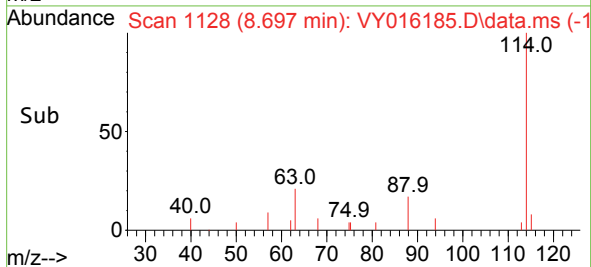
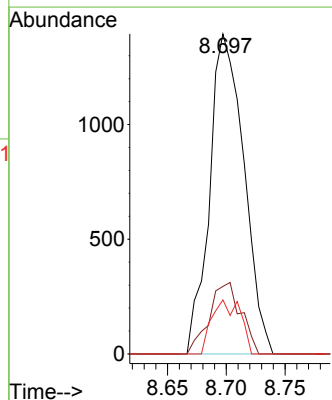
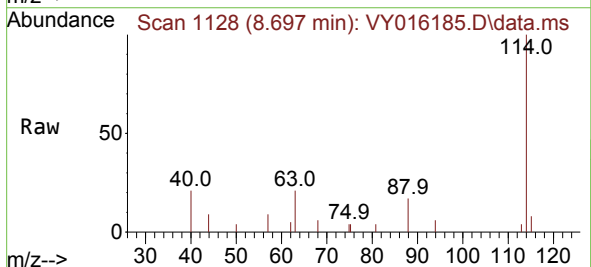
Tgt Ion: 114 Resp: 2833

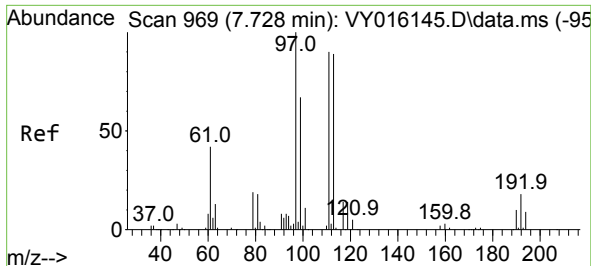
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.4

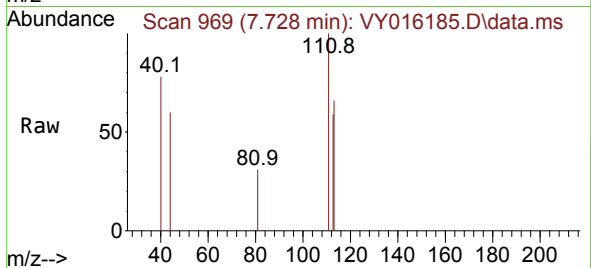
88 16.9 0.0 30.6



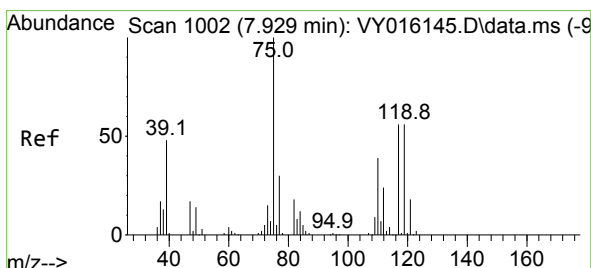
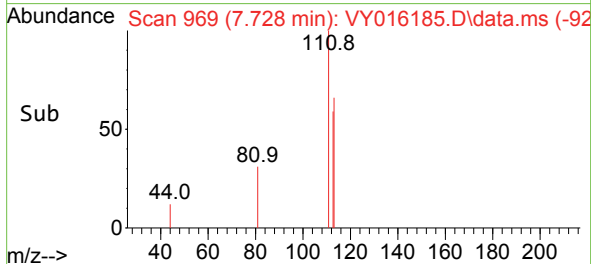
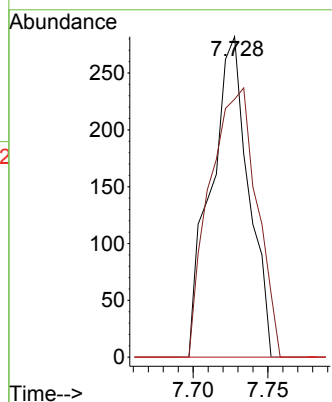


#35
Dibromofluoromethane
Concen: 29.130 ug/l
RT: 7.728 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

Instrument :
MSVOA_Y
ClientSampleId :

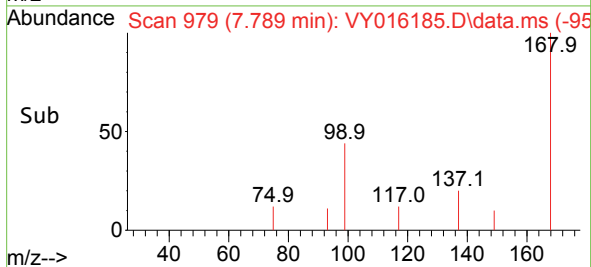
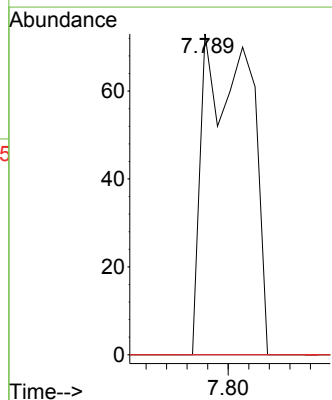
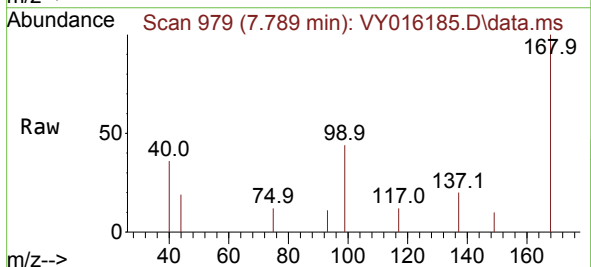


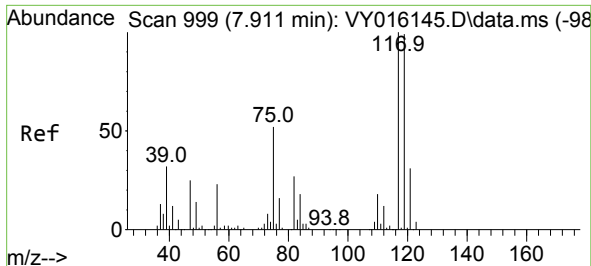
Tgt Ion:113 Resp: 492
Ion Ratio Lower Upper
113 100
111 105.5 81.3 121.9
192 0.0 16.9 25.3#



#36
1,1-Dichloropropene
Concen: 4.756 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.140 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

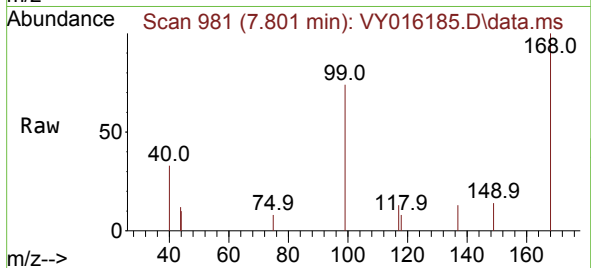
Tgt Ion: 75 Resp: 116
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



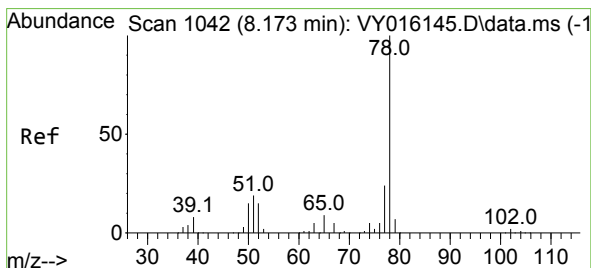
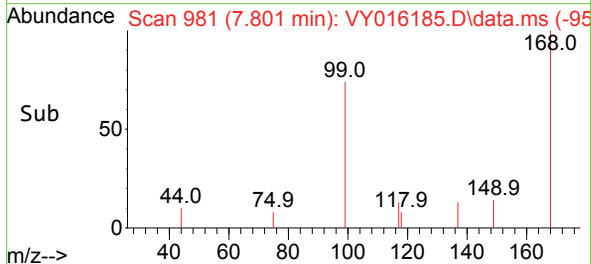
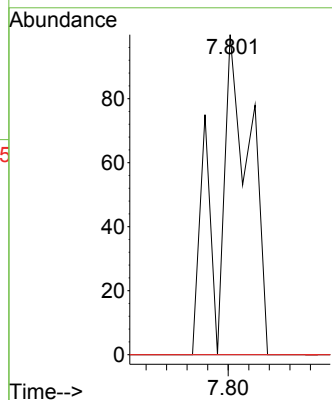


#38
Carbon Tetrachloride
Concen: 4.635 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

Instrument :
MSVOA_Y
ClientSampleId :

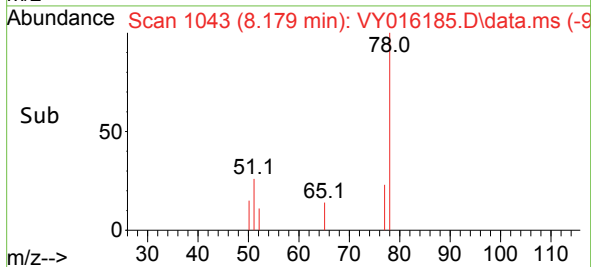
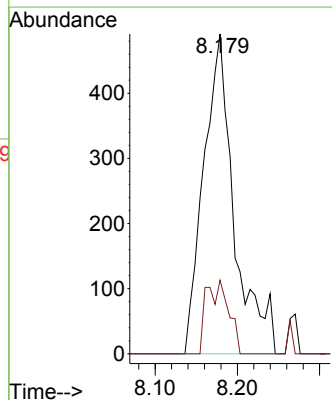
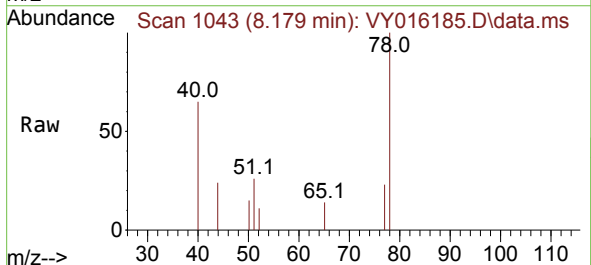


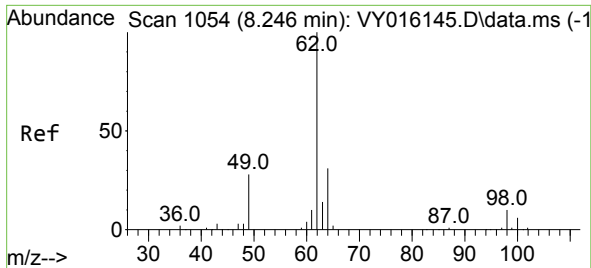
Tgt Ion:117 Resp: 112
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 18.067 ug/l
RT: 8.179 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

Tgt Ion: 78 Resp: 1265
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.6





#42

1,2-Dichloroethane

Concen: 89.564 ug/l

RT: 8.246 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VY016185.D

Acq: 02 Nov 2023 13:14

Instrument :

MSVOA_Y

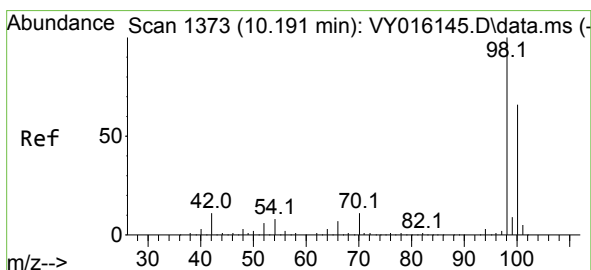
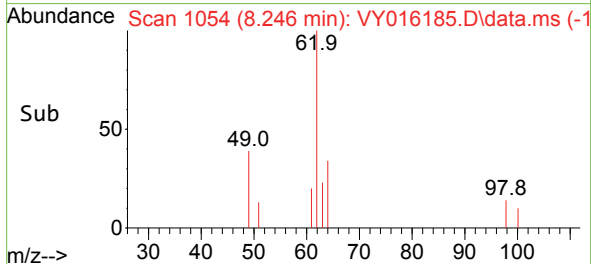
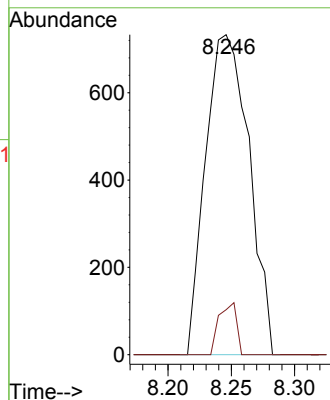
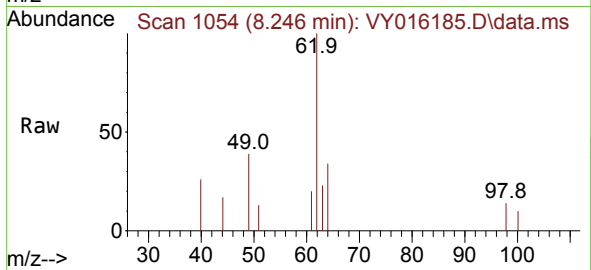
ClientSampleId :

Tgt Ion: 62 Resp: 1750

Ion Ratio Lower Upper

62 100

98 6.5 0.0 15.8



#50

Toluene-d8

Concen: 51.282 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY016185.D

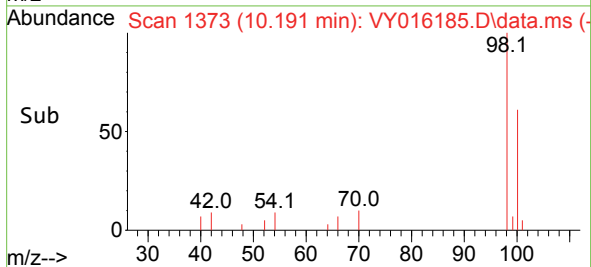
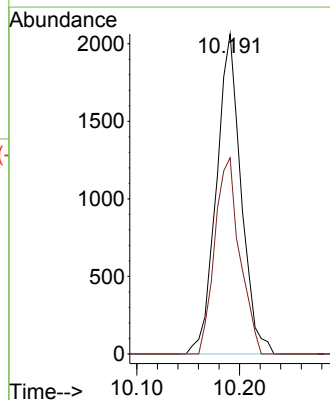
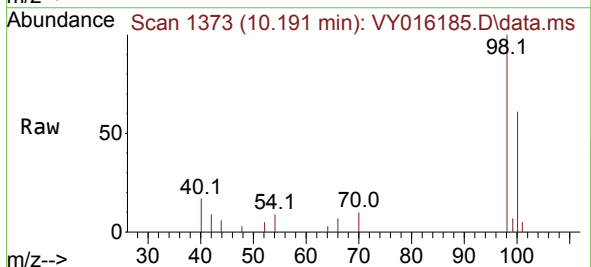
Acq: 02 Nov 2023 13:14

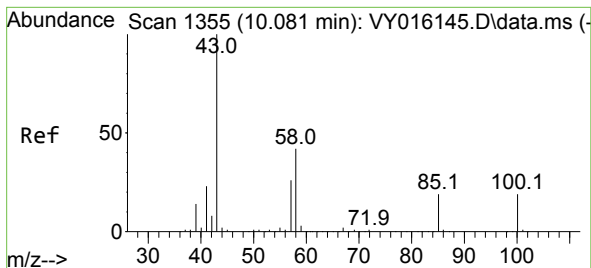
Tgt Ion: 98 Resp: 3434

Ion Ratio Lower Upper

98 100

100 61.9 50.1 75.1

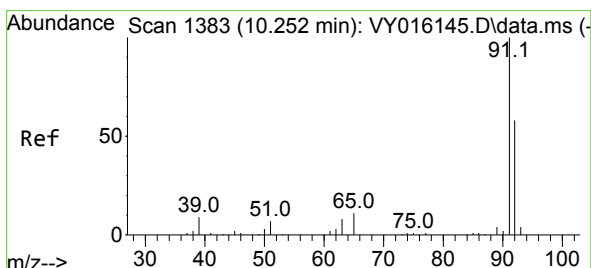
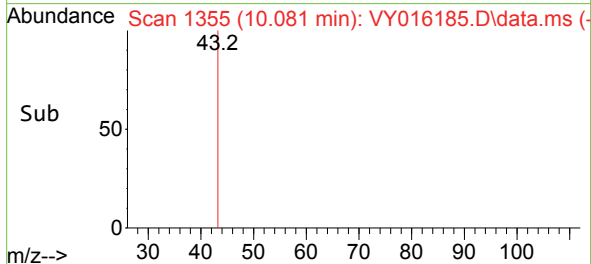
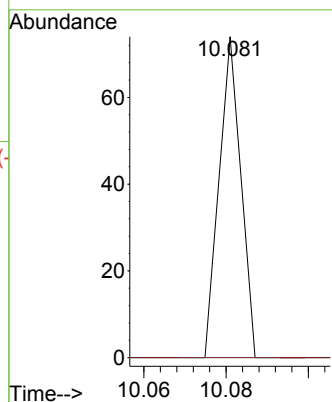
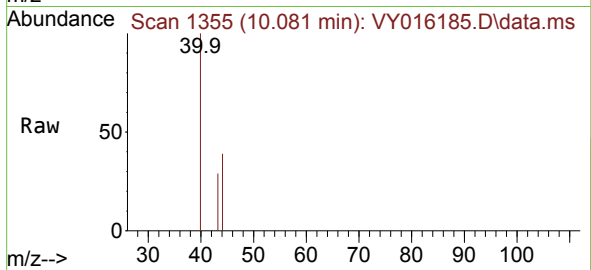




#51
4-Methyl-2-Pentanone
Concen: 2.518 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. -0.000 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

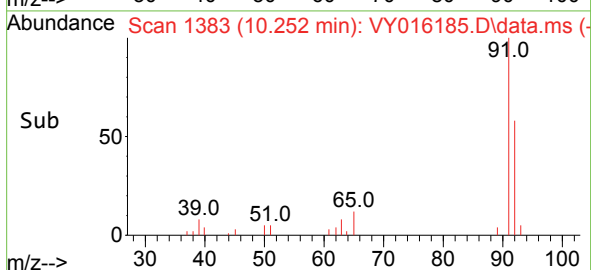
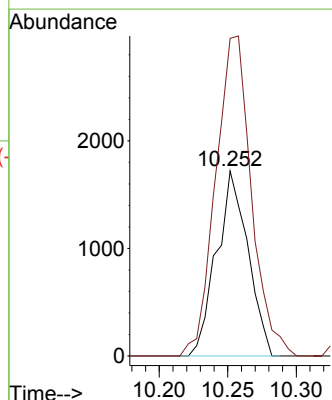
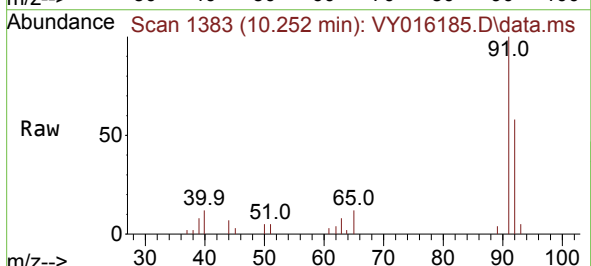
Instrument :
MSVOA_Y
ClientSampleId :

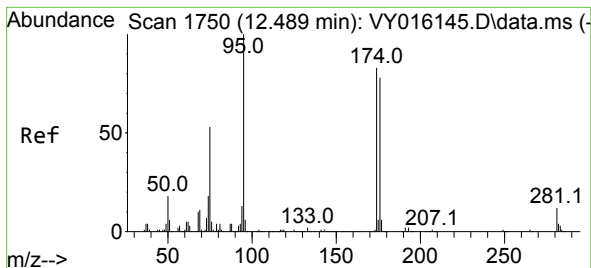
Tgt Ion: 43 Resp: 27
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



#52
Toluene
Concen: 60.392 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

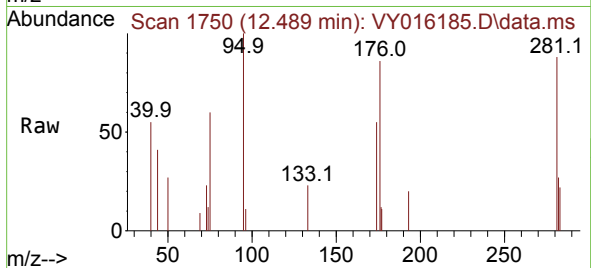
Tgt Ion: 92 Resp: 2740
Ion Ratio Lower Upper
92 100
91 196.9 143.8 215.6



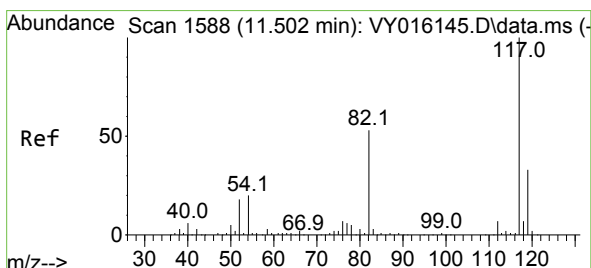
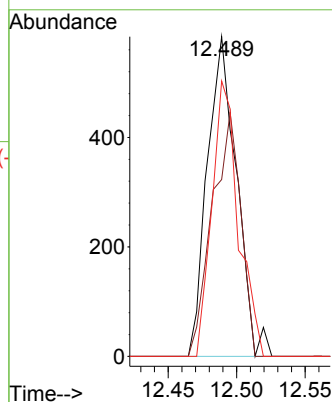
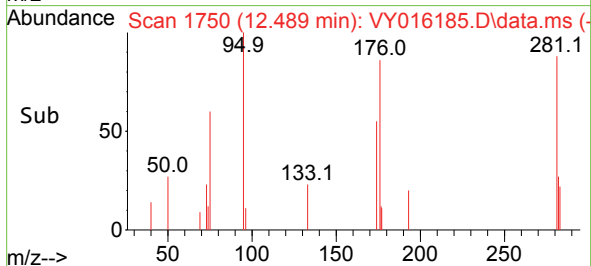


#62
4-Bromofluorobenzene
Concen: 37.820 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

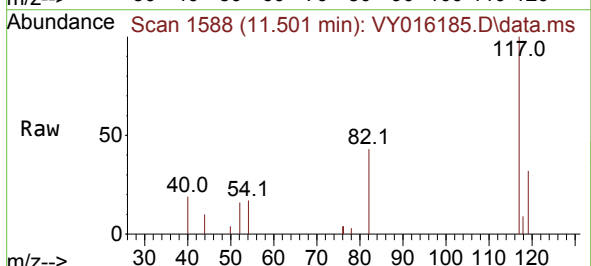
Instrument :
MSVOA_Y
ClientSampleId :



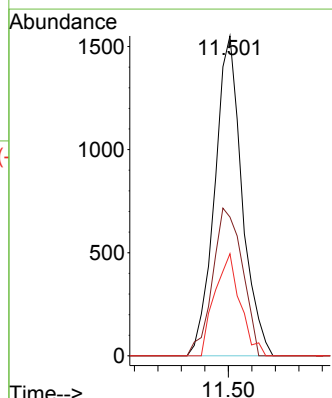
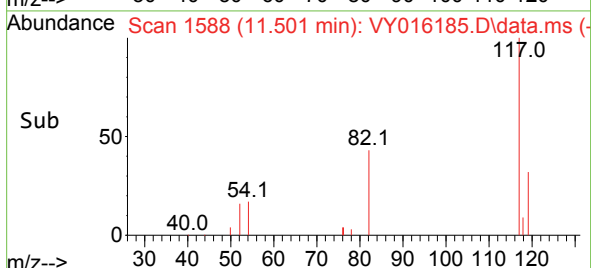
Tgt Ion: 95 Resp: 866
Ion Ratio Lower Upper
95 100
174 74.2 0.0 178.2
176 77.8 0.0 173.8

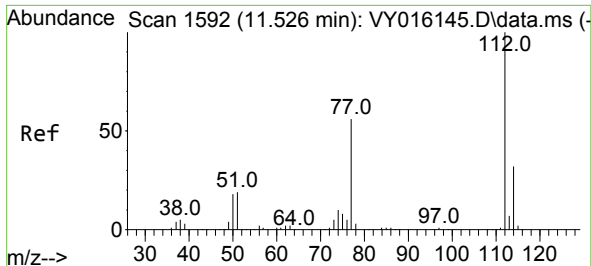


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.501 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14



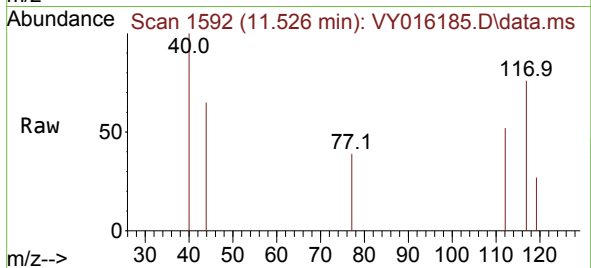
Tgt Ion: 117 Resp: 2501
Ion Ratio Lower Upper
117 100
82 43.4 43.4 65.0
119 31.9 26.3 39.5



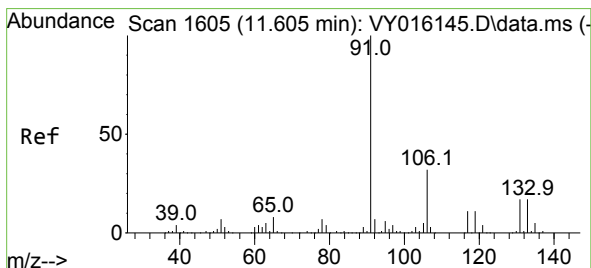
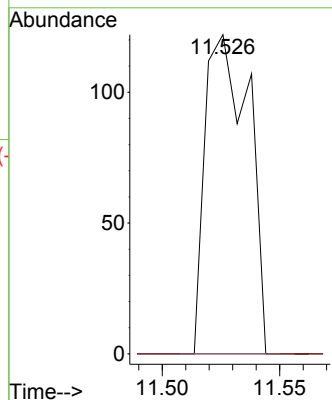
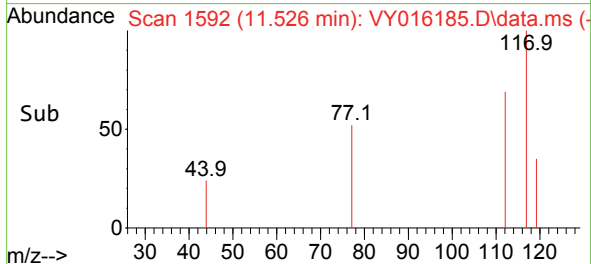


#65
Chlorobenzene
Concen: 3.160 ug/l
RT: 11.526 min Scan# 111
Delta R.T. -0.000 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

Instrument :
MSVOA_Y
ClientSampleId :

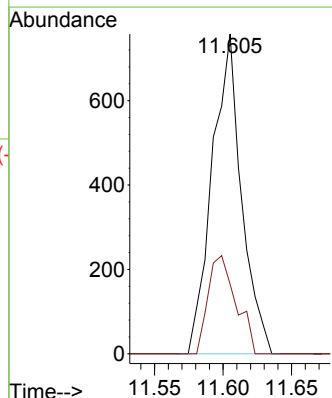
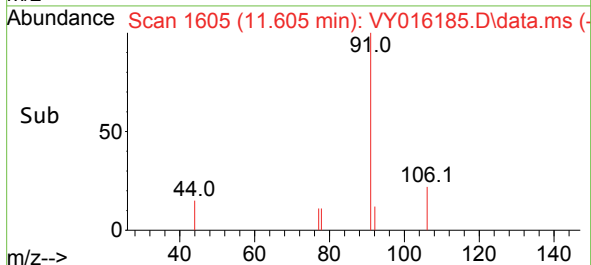
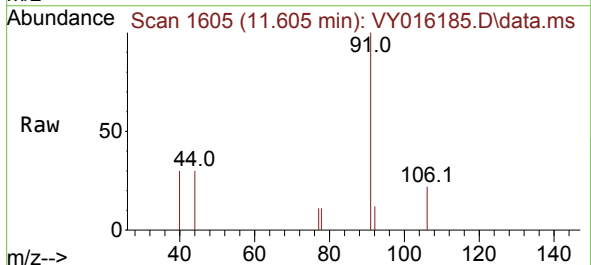


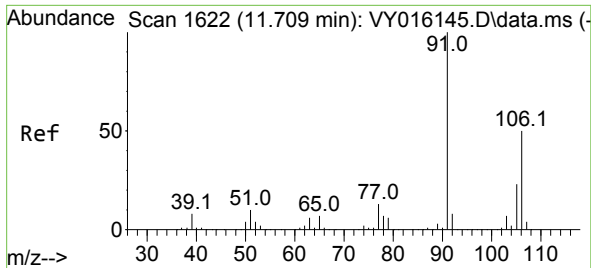
Tgt Ion:112 Resp: 157
Ion Ratio Lower Upper
112 100
114 0.0 25.5 38.3#



#67
Ethyl Benzene
Concen: 12.681 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. -0.000 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

Tgt Ion: 91 Resp: 1127
Ion Ratio Lower Upper
91 100
106 21.8 24.6 36.8#

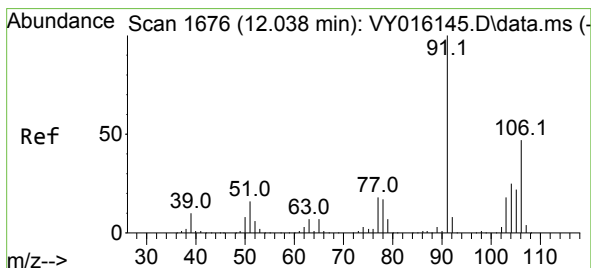
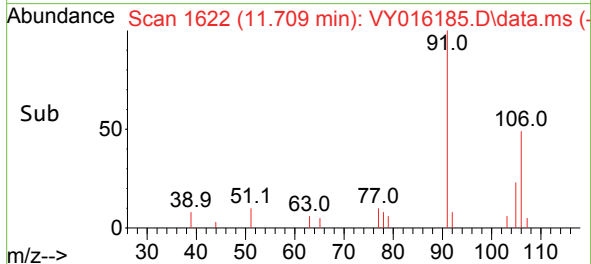
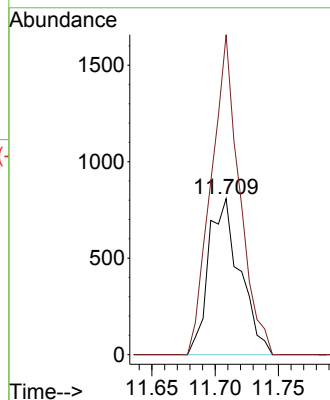
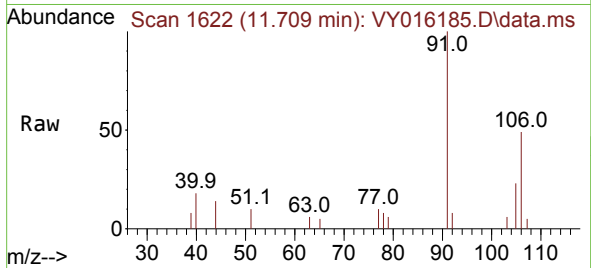




#68
m/p-Xylenes
Concen: 40.707 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. -0.000 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

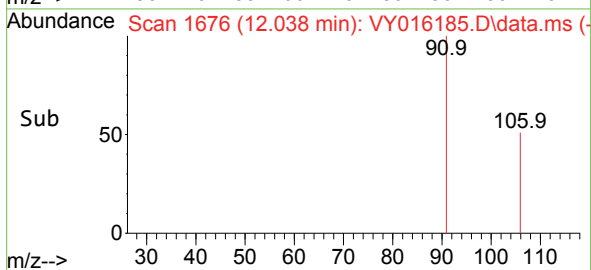
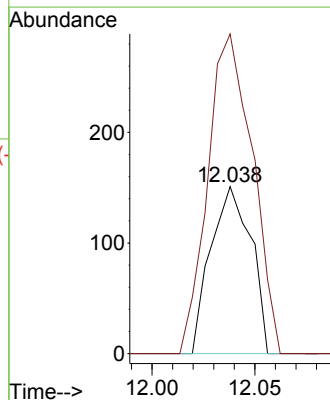
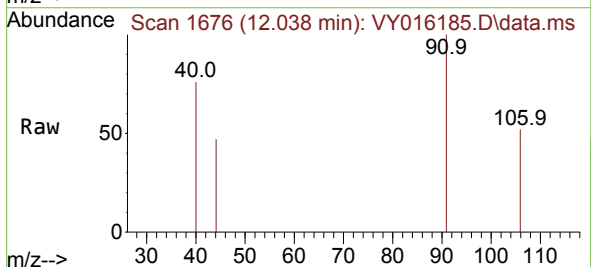
Instrument :
MSVOA_Y
ClientSampleId :

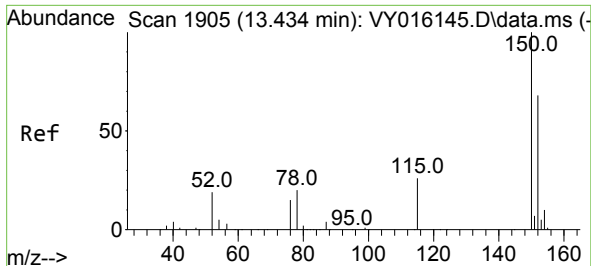
Tgt Ion:106 Resp: 1398
Ion Ratio Lower Upper
106 100
91 185.3 166.1 249.1



#69
o-Xylene
Concen: 6.282 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

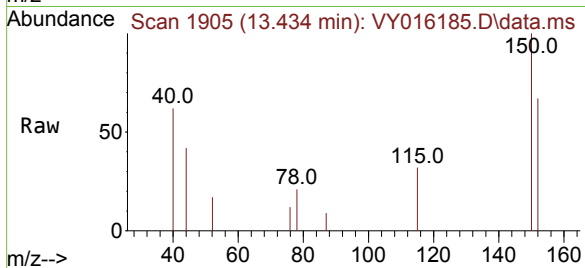
Tgt Ion:106 Resp: 206
Ion Ratio Lower Upper
106 100
91 212.1 108.1 324.3



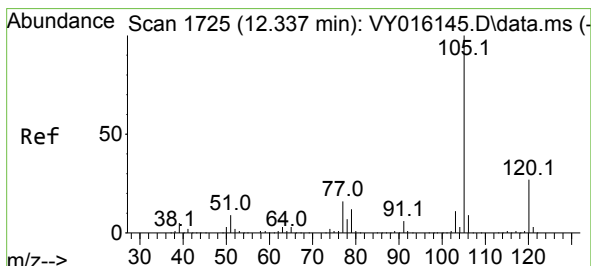
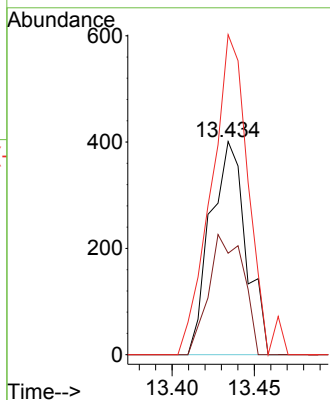
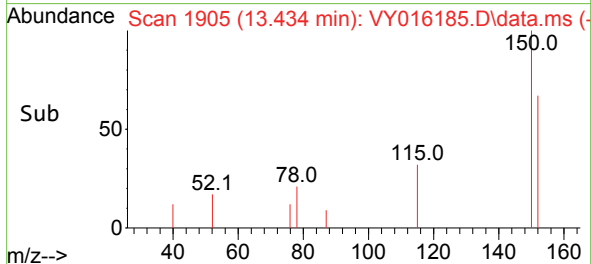


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

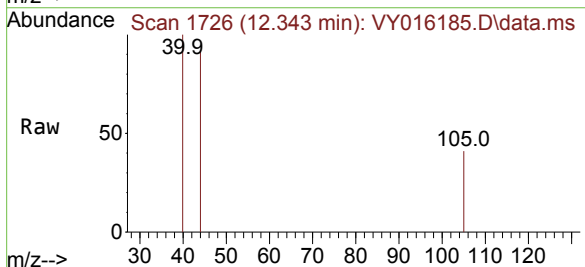
Instrument :
MSVOA_Y
ClientSampleId :



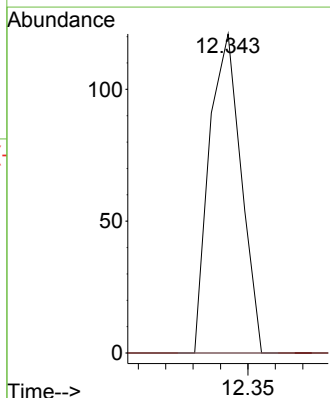
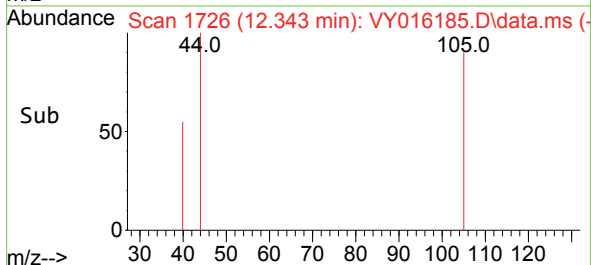
Tgt Ion:152 Resp: 603
Ion Ratio Lower Upper
152 100
115 54.9 28.8 86.5
150 156.9 0.0 348.8

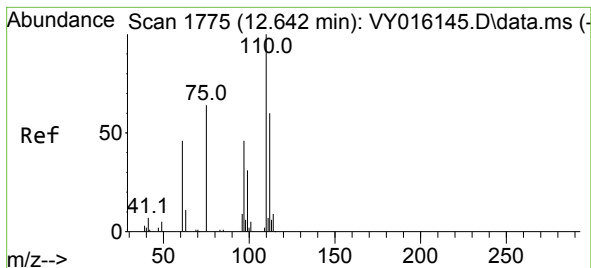


#73
Isopropylbenzene
Concen: 2.144 ug/l
RT: 12.343 min Scan# 1726
Delta R.T. 0.006 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14



Tgt Ion:105 Resp: 97
Ion Ratio Lower Upper
105 100
120 0.0 13.3 39.9#





#76

1,2,3-Trichloropropane

Concen: 96.152 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.147 min

Lab File: VY016185.D

Acq: 02 Nov 2023 13:14

Instrument :

MSVOA_Y

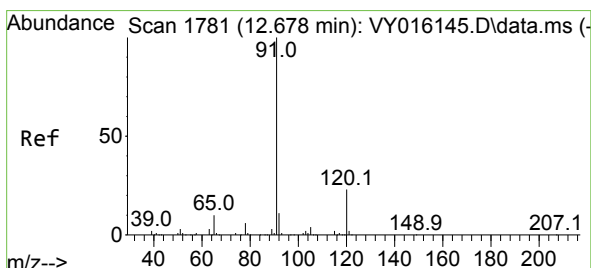
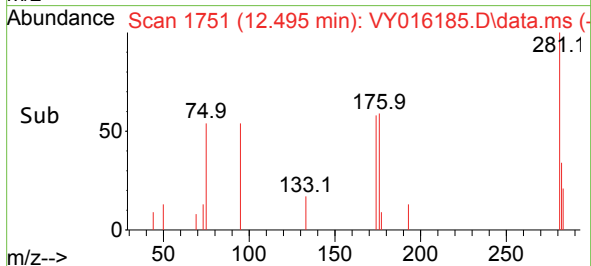
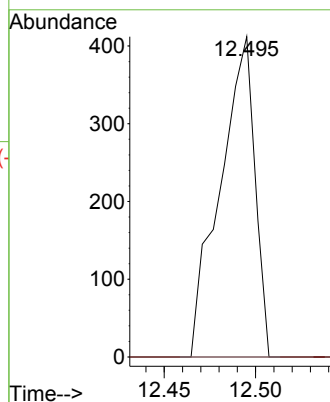
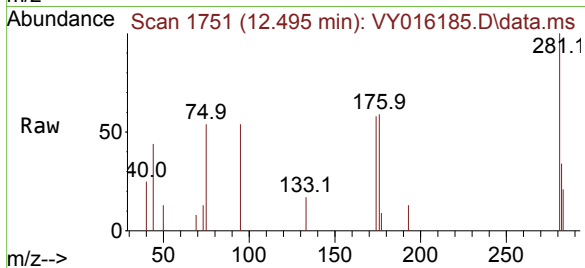
ClientSampleId :

Tgt Ion: 75 Resp: 546

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#78

n-propylbenzene

Concen: 3.703 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.006 min

Lab File: VY016185.D

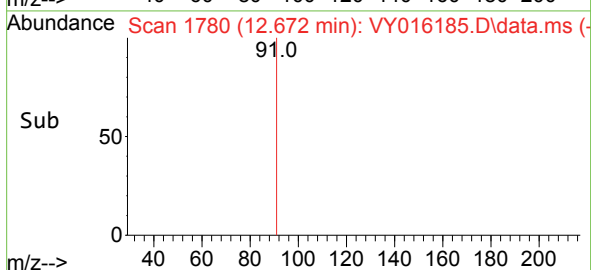
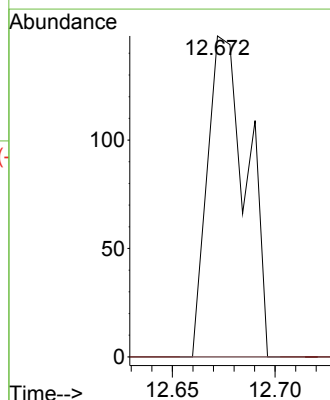
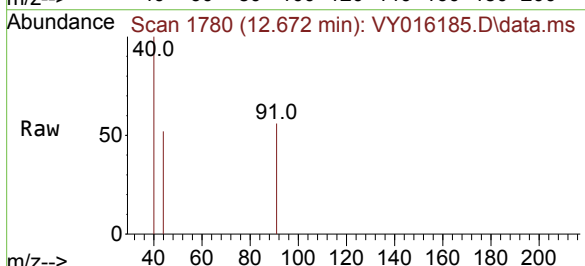
Acq: 02 Nov 2023 13:14

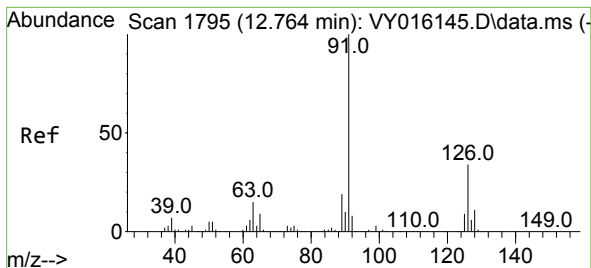
Tgt Ion: 91 Resp: 198

Ion Ratio Lower Upper

91 100

120 0.0 11.5 34.4#

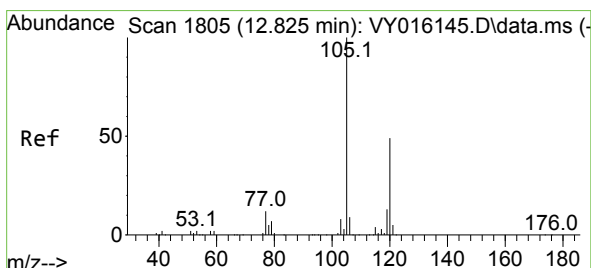
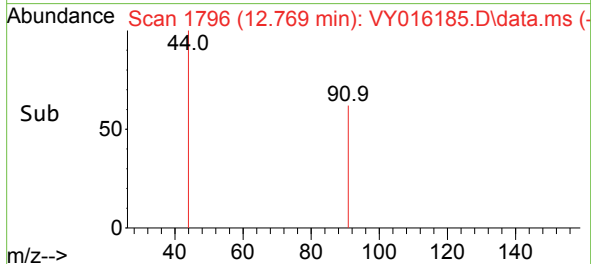
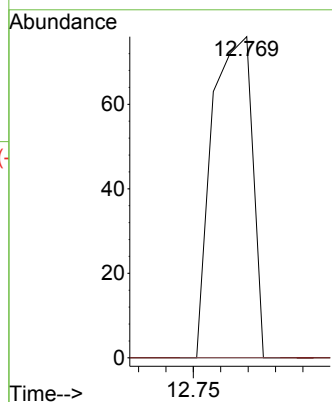
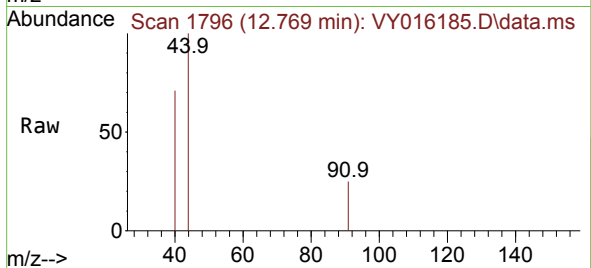




#79
2-Chlorotoluene
Concen: 2.582 ug/l
RT: 12.769 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

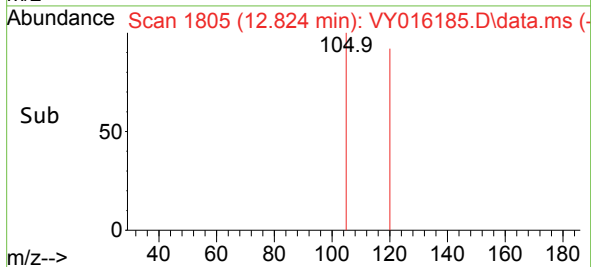
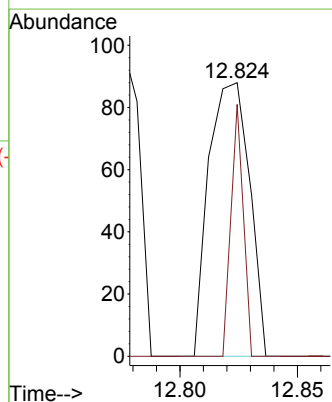
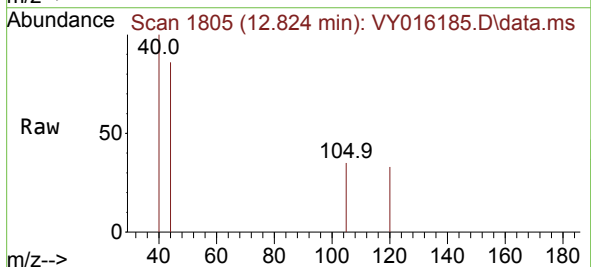
Instrument :
MSVOA_Y
ClientSampleId :

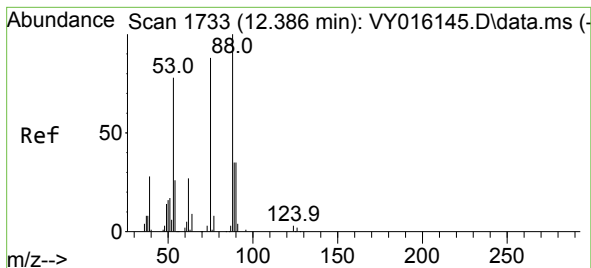
Tgt Ion: 91 Resp: 77
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.7#



#80
1,3,5-Trimethylbenzene
Concen: 2.893 ug/l
RT: 12.824 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

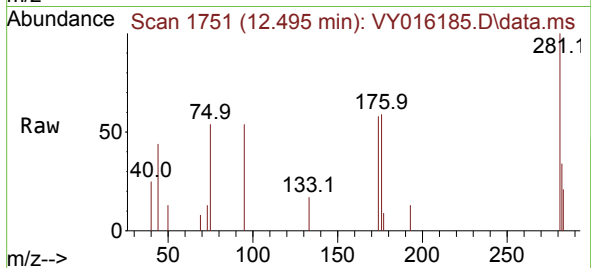
Tgt Ion: 105 Resp: 106
Ion Ratio Lower Upper
105 100
120 28.3 23.9 71.7



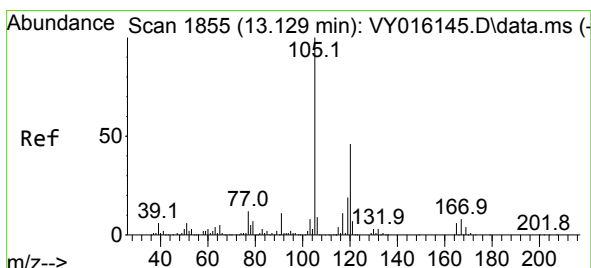
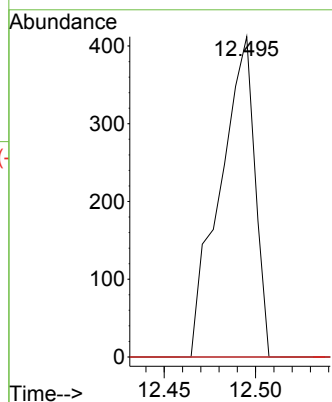
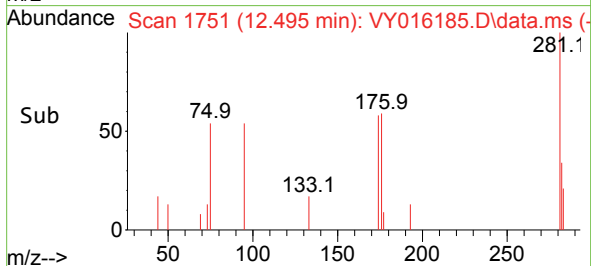


#81
trans-1,4-Dichloro-2-butene
Concen: 208.480 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.109 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

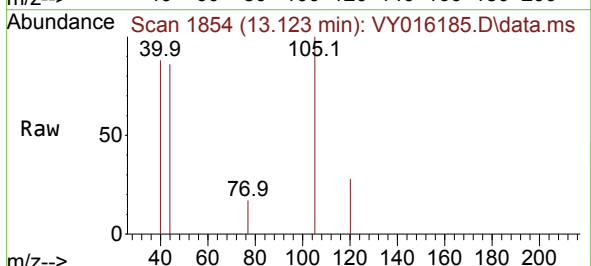
Instrument :
MSVOA_Y
ClientSampleId :



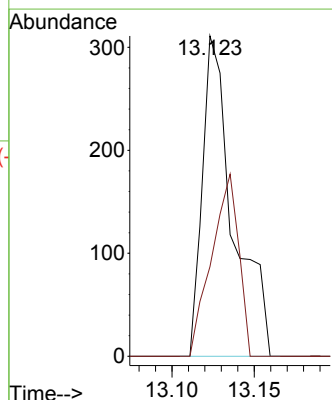
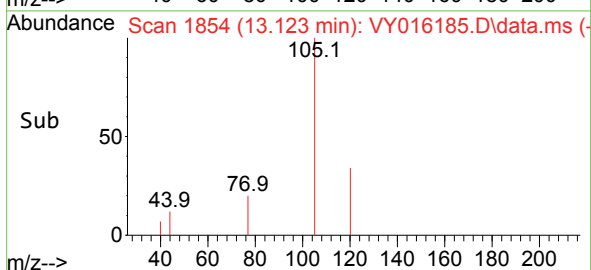
Tgt Ion: 75 Resp: 546
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

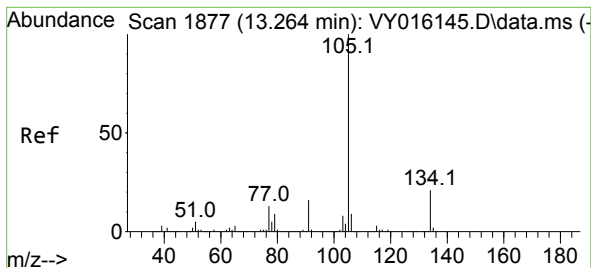


#84
1,2,4-Trimethylbenzene
Concen: 11.169 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14



Tgt Ion: 105 Resp: 405
Ion Ratio Lower Upper
105 100
120 49.9 22.2 66.6





#85

sec-Butylbenzene

Concen: 2.286 ug/l

RT: 13.263 min Scan# 1877

Delta R.T. -0.000 min

Lab File: VY016185.D

Acq: 02 Nov 2023 13:14

Instrument :

MSVOA_Y

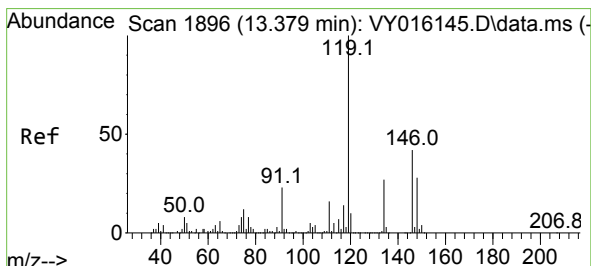
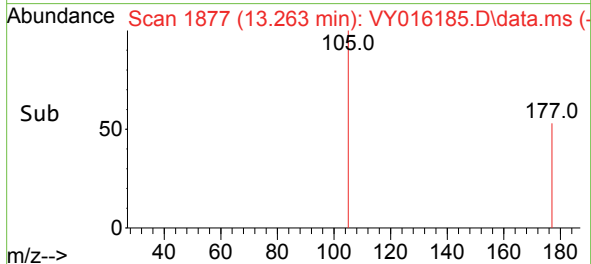
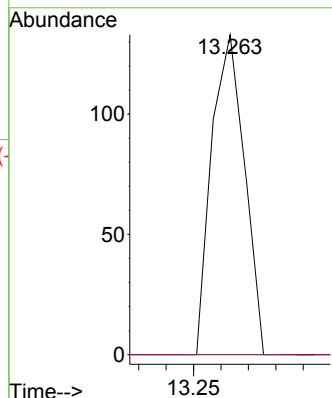
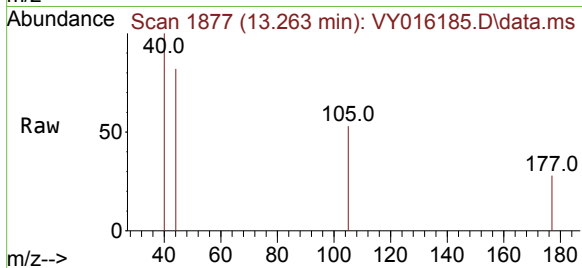
ClientSampleId :

Tgt Ion:105 Resp: 110

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 1.755 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. -0.006 min

Lab File: VY016185.D

Acq: 02 Nov 2023 13:14

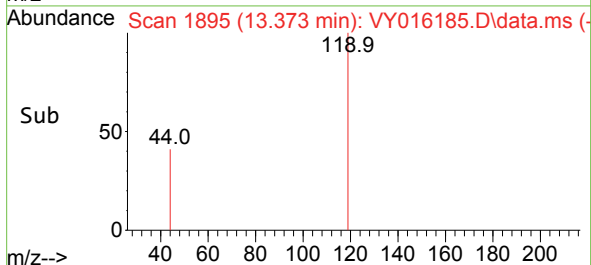
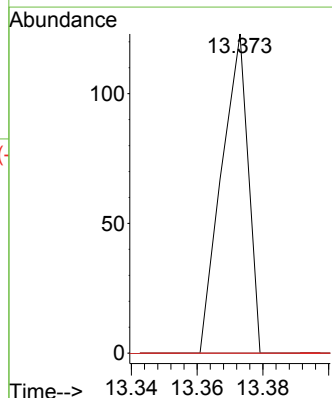
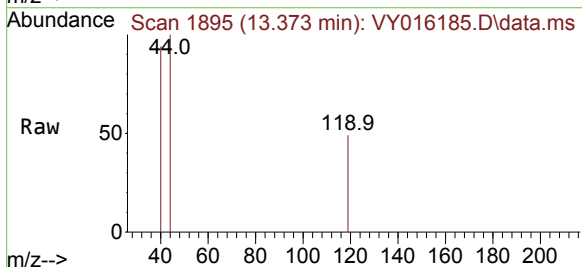
Tgt Ion:119 Resp: 70

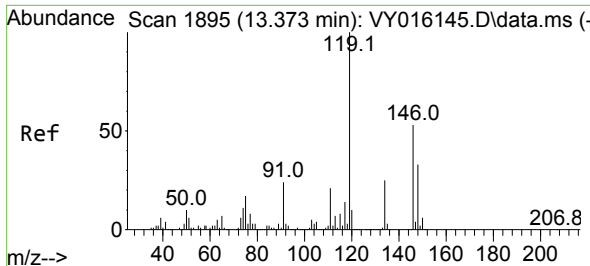
Ion Ratio Lower Upper

119 100

134 0.0 13.3 39.8#

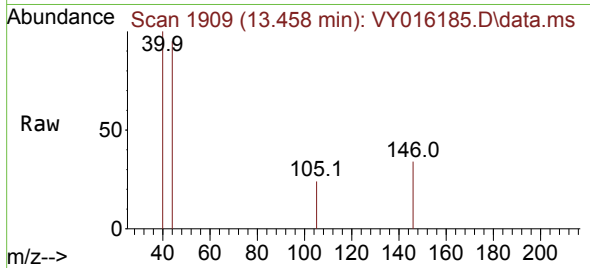
91 0.0 12.4 37.4#



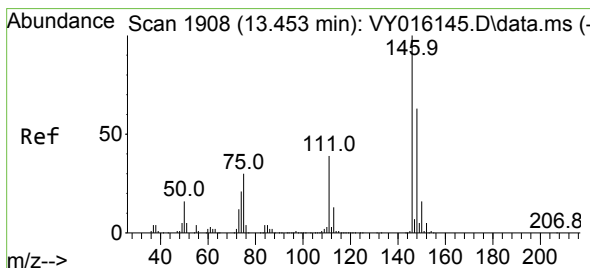
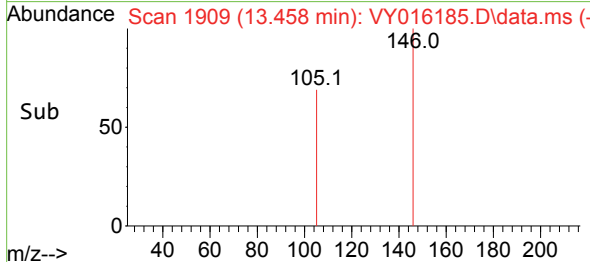
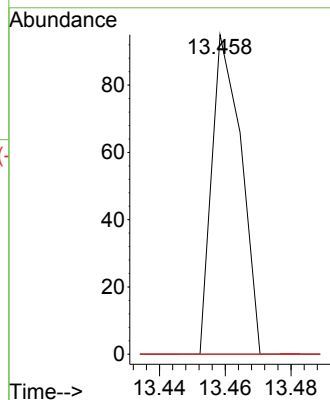


#87
1,3-Dichlorobenzene
Concen: 2.913 ug/l
RT: 13.458 min Scan# 1909
Delta R.T. 0.085 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

Instrument :
MSVOA_Y
ClientSampleId :

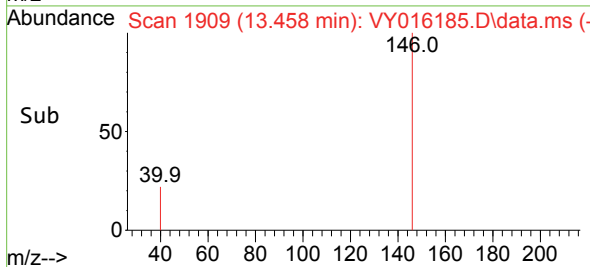
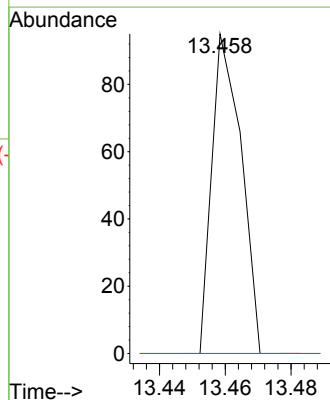
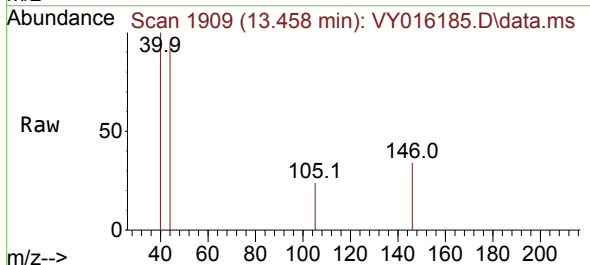


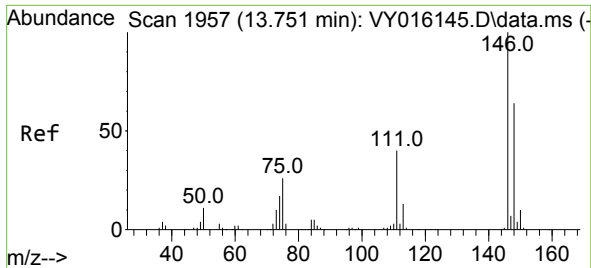
Tgt Ion:146 Resp: 59
Ion Ratio Lower Upper
146 100
111 0.0 19.4 58.2#
148 0.0 31.9 95.5#



#88
1,4-Dichlorobenzene
Concen: 2.947 ug/l
RT: 13.458 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

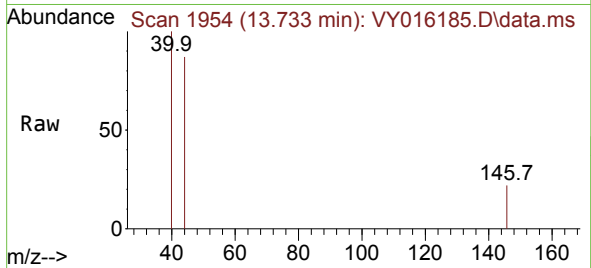
Tgt Ion:146 Resp: 59
Ion Ratio Lower Upper
146 100
111 0.0 18.9 56.7#
148 0.0 32.1 96.5#



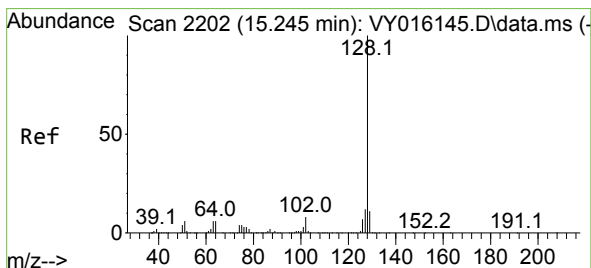
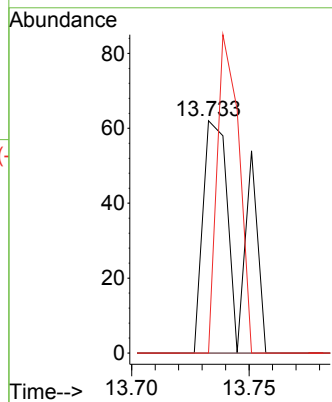
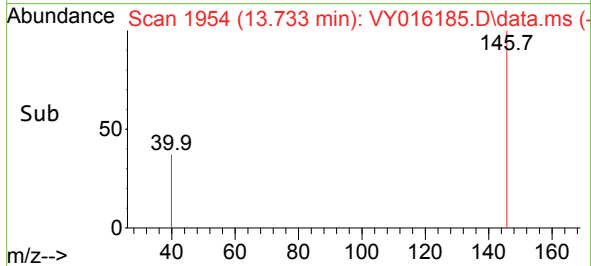


#91
1,2-Dichlorobenzene
Concen: 3.657 ug/l
RT: 13.733 min Scan# 1954
Delta R.T. -0.019 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14

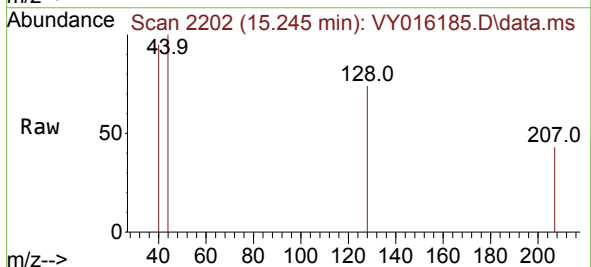
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:146 Resp: 64
Ion Ratio Lower Upper
146 100
111 0.0 19.7 59.0#
148 85.9 32.0 96.2



#95
Naphthalene
Concen: 13.867 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY016185.D
Acq: 02 Nov 2023 13:14



Tgt Ion:128 Resp: 291
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

