

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
 Data File : VY016194.D
 Acq On : 02 Nov 2023 16:45
 Operator : SY/MD
 Sample : 05220-02
 Misc : 4.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 03 03:17:10 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)

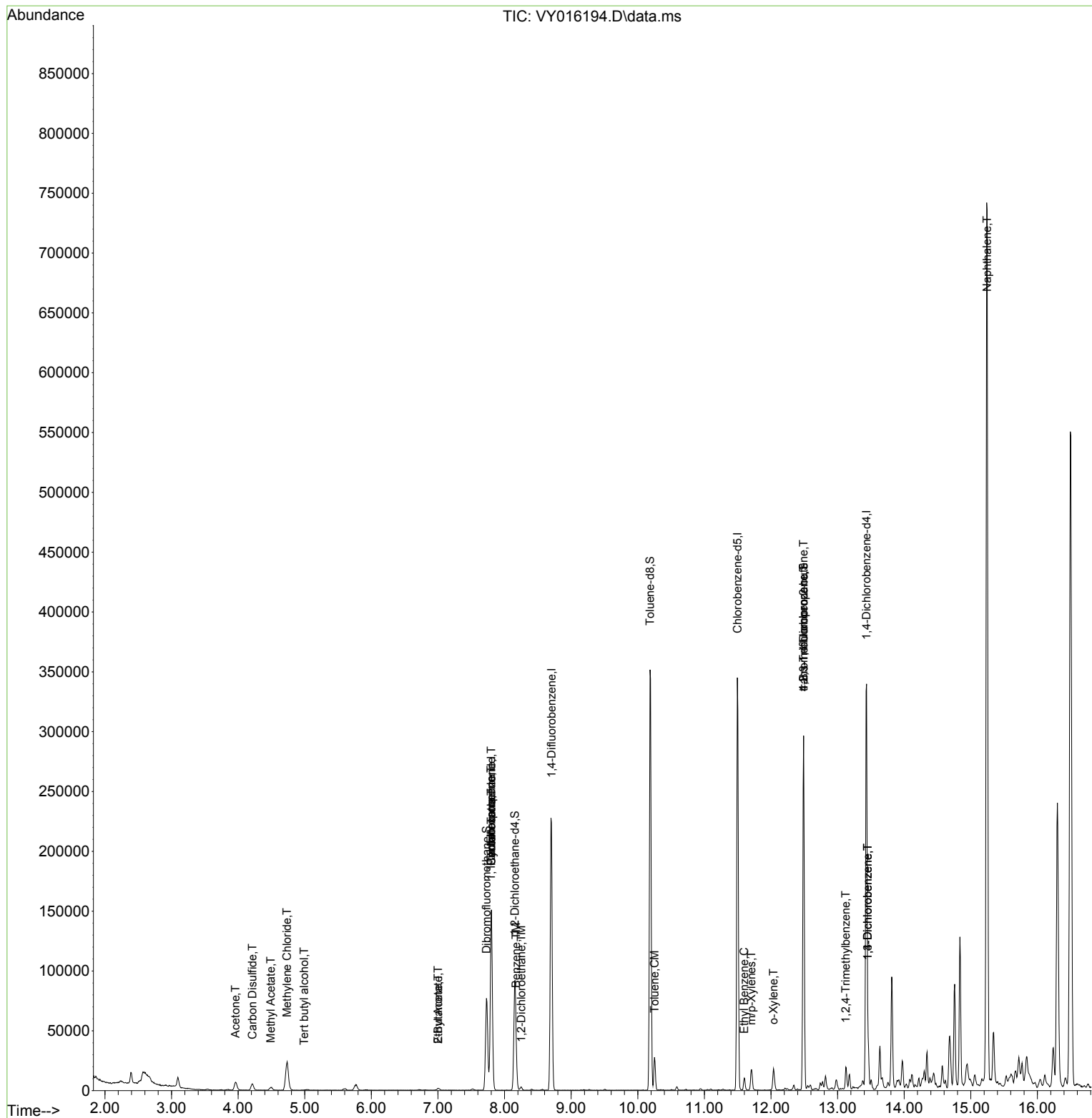
Internal Standards						
1) Pentafluorobenzene	7.801	168	117113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	201080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	188706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	90130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	65939	60.171	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.340%	
35) Dibromofluoromethane	7.728	113	54451	45.422	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.840%	
50) Toluene-d8	10.185	98	236601	49.780	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.560%	
62) 4-Bromofluorobenzene	12.489	95	85061	52.337	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.680%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.991	59	245	2.992	ug/l #	89
13) Acrolein	3.741	56	136	Below Cal		98
16) Acetone	3.960	43	12553	57.031	ug/l #	88
17) Carbon Disulfide	4.216	76	10893	4.708	ug/l	99
18) Methyl Acetate	4.491	43	4904	5.565	ug/l	99
20) Methylene Chloride	4.735	84	18360	14.297	ug/l	92
25) 2-Butanone	7.003	43	3095	10.237	ug/l	96
31) Cyclohexane	7.801	56	2347	1.393	ug/l #	5
36) 1,1-Dichloropropene	7.795	75	8462	4.888	ug/l #	50
37) Ethyl Acetate	7.003	43	3095	4.014	ug/l #	71
38) Carbon Tetrachloride	7.801	117	11391	6.642	ug/l #	16
40) Benzene	8.173	78	16014	3.222	ug/l	98
42) 1,2-Dichloroethane	8.252	62	2217	1.599	ug/l	96
52) Toluene	10.252	92	11230	3.487	ug/l	97
67) Ethyl Benzene	11.599	91	7206	1.075	ug/l	95
68) m/p-Xylenes	11.703	106	5341	2.061	ug/l	95
69) o-Xylene	12.038	106	3816	1.542	ug/l	95
76) 1,2,3-Trichloropropane	12.489	75	44097	51.954	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	44097	112.649	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.123	105	10801	1.993	ug/l	97
87) 1,3-Dichlorobenzene	13.453	146	5101	1.685	ug/l #	81
88) 1,4-Dichlorobenzene	13.453	146	5101	1.705	ug/l #	81
95) Naphthalene	15.245	128	625244	199.333	ug/l	99

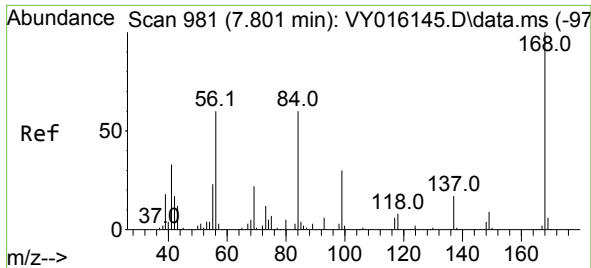
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
Data File : VY016194.D
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Misc : 4.06g/5.0mL/MSVOA_Y/SOIL
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ClientSampleId :

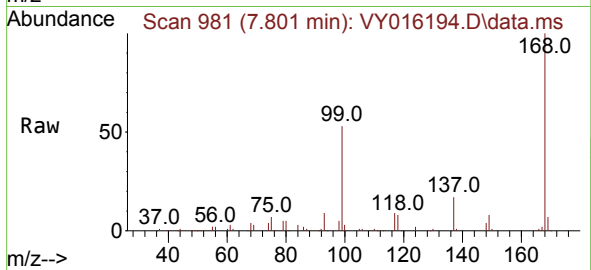
Quant Time: Nov 03 03:17:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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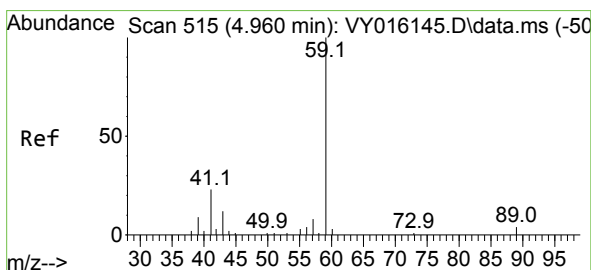
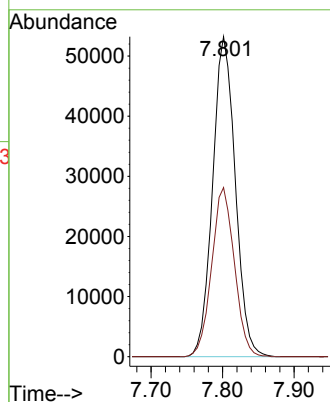
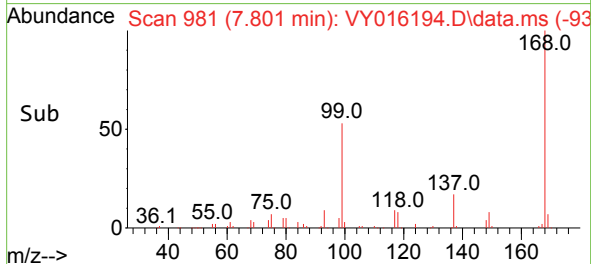


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016194.D
Acq: 02 Nov 2023 16:45

Instrument :
MSVOA_Y
ClientSampleId :

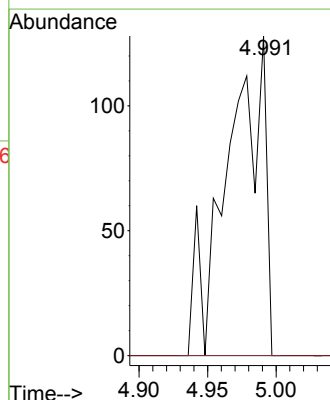
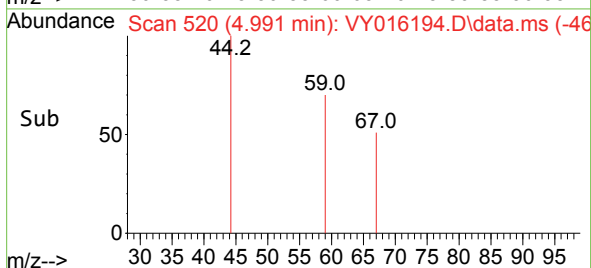
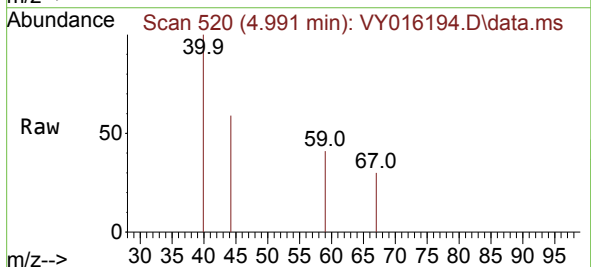


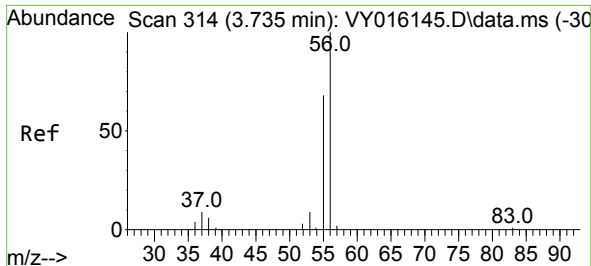
Tgt Ion:168 Resp: 117113
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.992 ug/l
RT: 4.991 min Scan# 520
Delta R.T. 0.031 min
Lab File: VY016194.D
Acq: 02 Nov 2023 16:45

Tgt Ion: 59 Resp: 245
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.741 min Scan# 314

Delta R.T. 0.006 min

Lab File: VY016194.D

Acq: 02 Nov 2023 16:45

Instrument :

MSVOA_Y

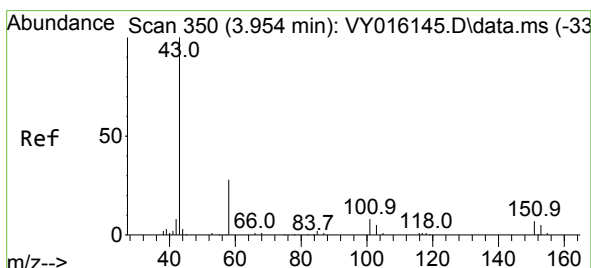
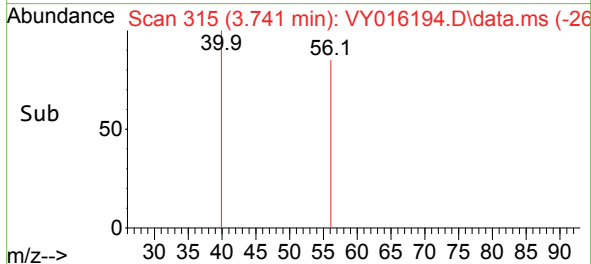
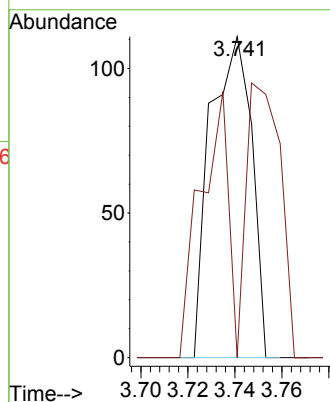
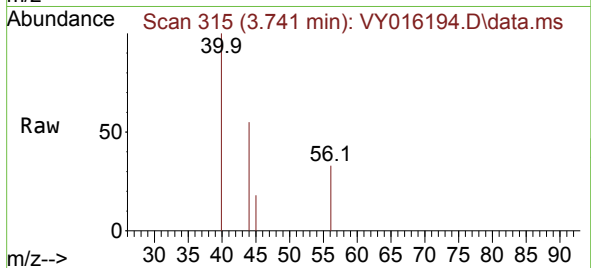
ClientSampleId :

Tgt Ion: 56 Resp: 136

Ion Ratio Lower Upper

56 100

55 69.9 57.0 85.4



#16

Acetone

Concen: 57.031 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY016194.D

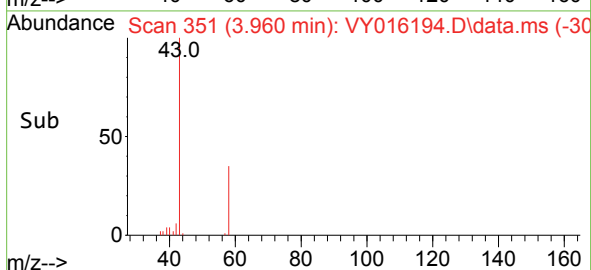
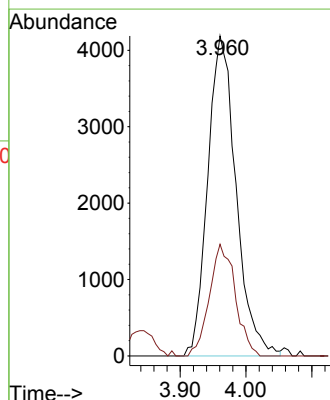
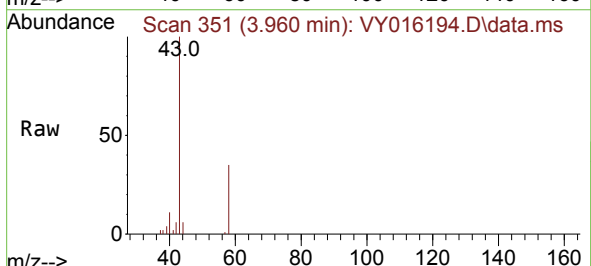
Acq: 02 Nov 2023 16:45

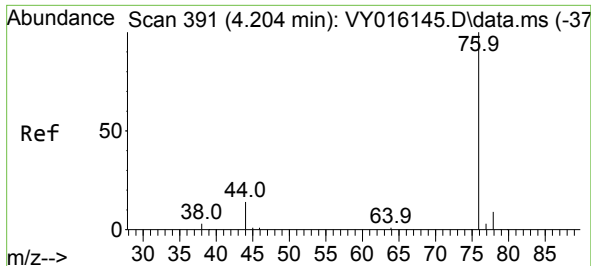
Tgt Ion: 43 Resp: 12553

Ion Ratio Lower Upper

43 100

58 34.9 22.7 34.1#

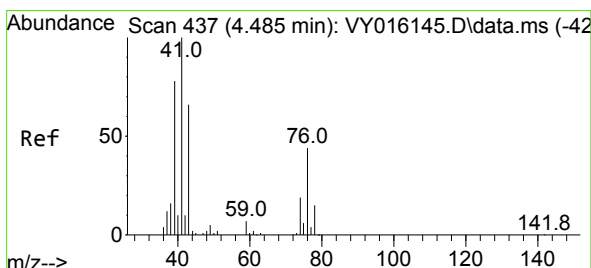
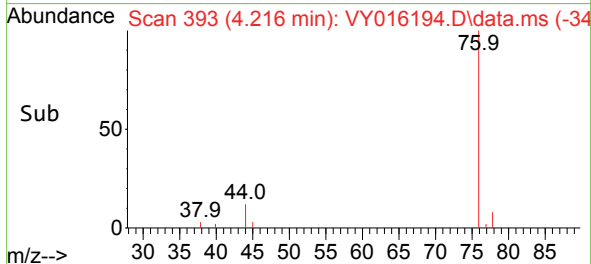
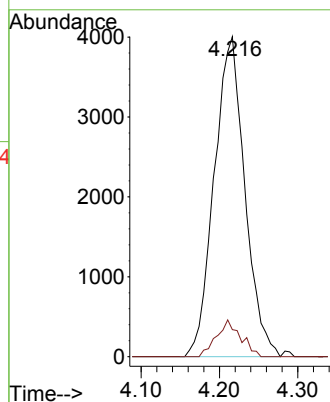
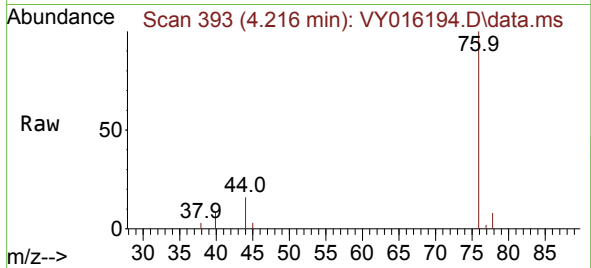




#17
Carbon Disulfide
Concen: 4.708 ug/l
RT: 4.216 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY016194.D
Acq: 02 Nov 2023 16:45

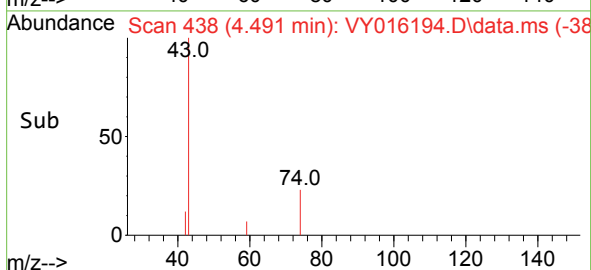
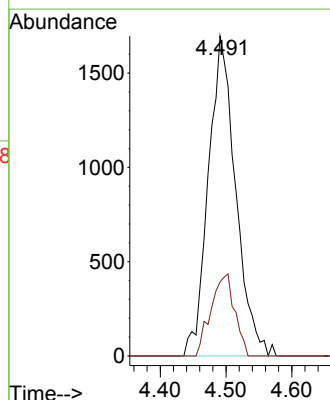
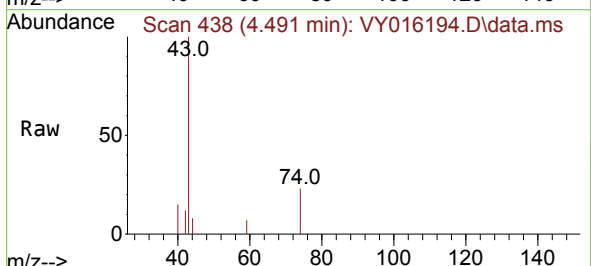
Instrument :
MSVOA_Y
ClientSampleId :

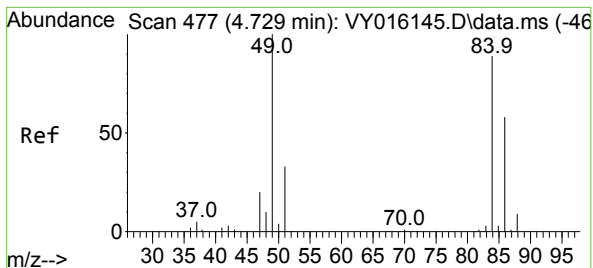
Tgt Ion: 76 Resp: 10893
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.4



#18
Methyl Acetate
Concen: 5.565 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY016194.D
Acq: 02 Nov 2023 16:45

Tgt Ion: 43 Resp: 4904
Ion Ratio Lower Upper
43 100
74 22.1 17.4 26.0





#20

Methylene Chloride

Concen: 14.297 ug/l

RT: 4.735 min Scan# 41

Delta R.T. 0.006 min

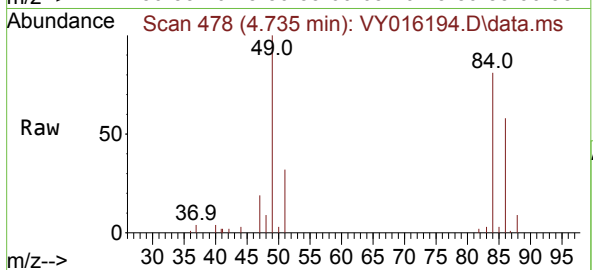
Lab File: VY016194.D

Acq: 02 Nov 2023 16:45

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 18360

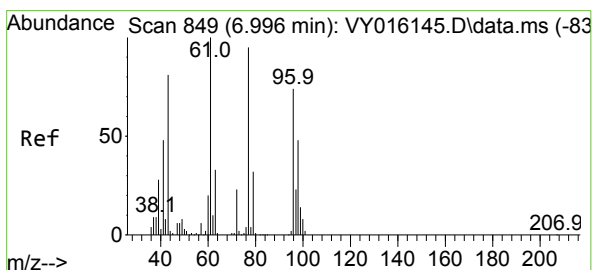
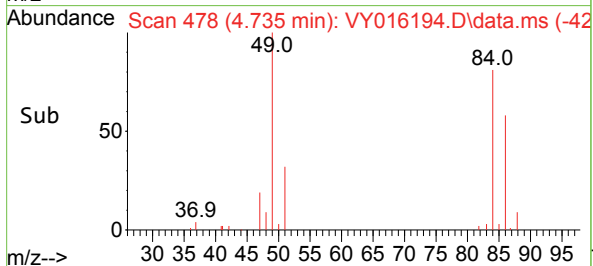
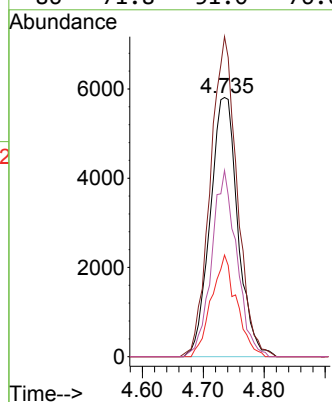
Ion Ratio Lower Upper

84 100

49 123.4 106.9 160.3

51 39.2 33.2 49.8

86 71.8 51.0 76.6



#25

2-Butanone

Concen: 10.237 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY016194.D

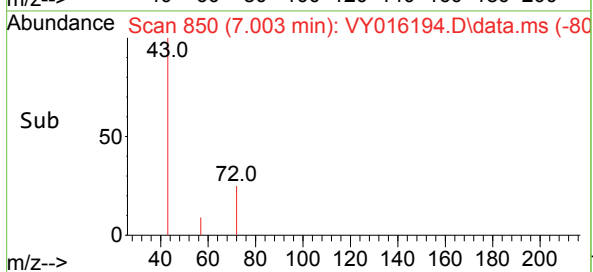
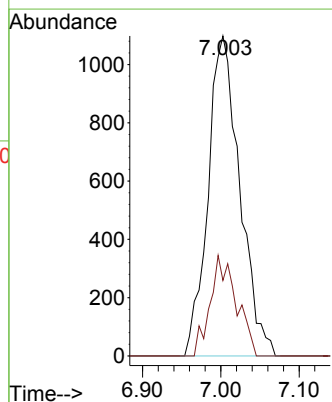
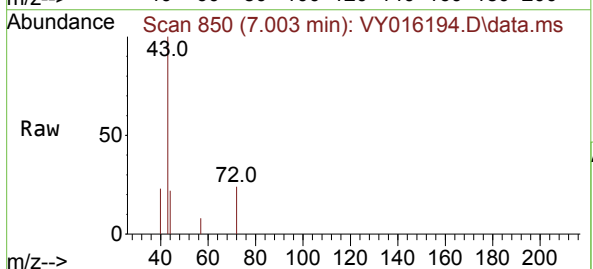
Acq: 02 Nov 2023 16:45

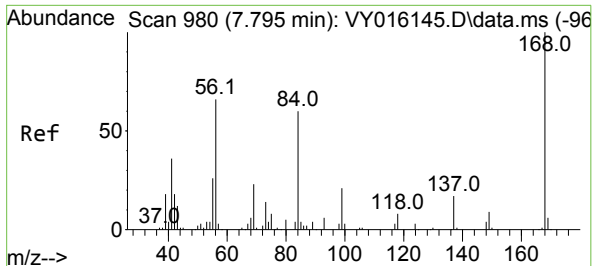
Tgt Ion: 43 Resp: 3095

Ion Ratio Lower Upper

43 100

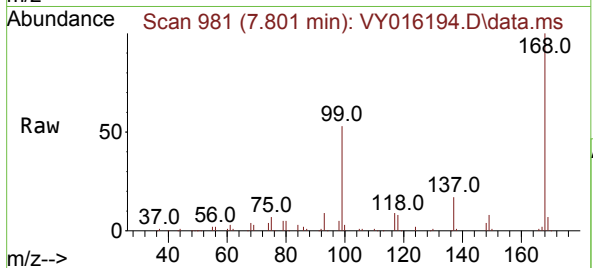
72 23.6 20.5 30.7



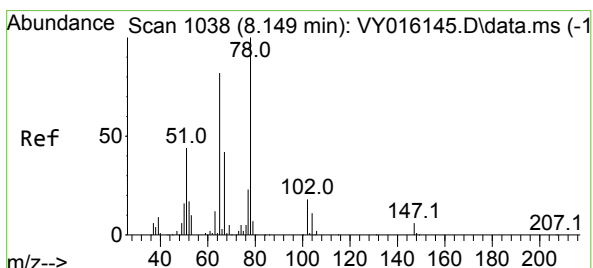
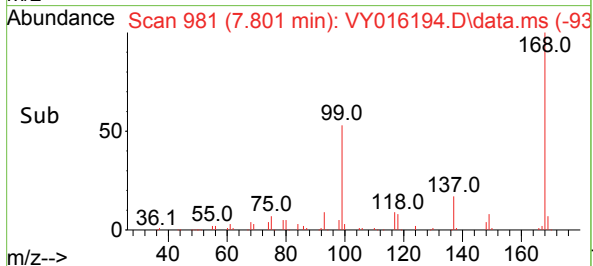
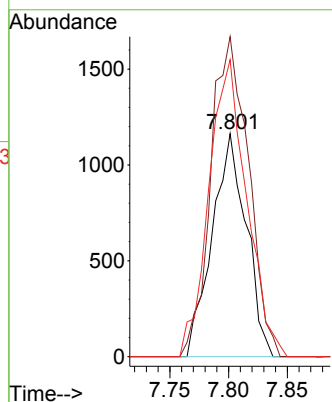


#31
Cyclohexane
Concen: 1.393 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016194.D
Acq: 02 Nov 2023 16:45

Instrument :
MSVOA_Y
ClientSampleId :

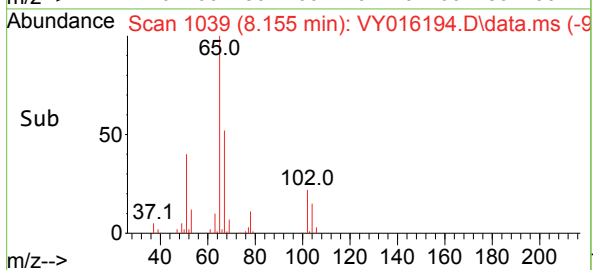
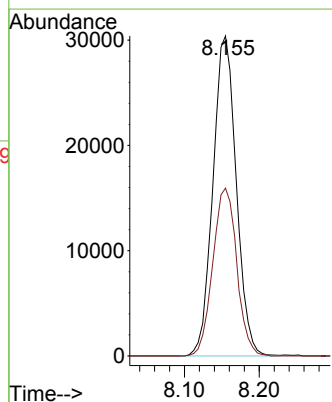
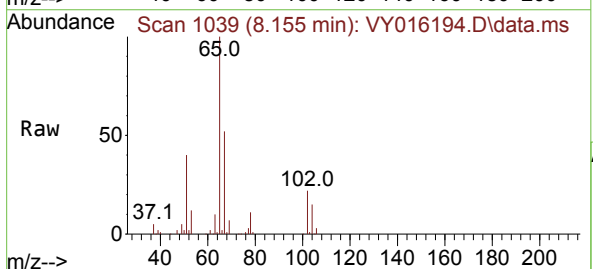


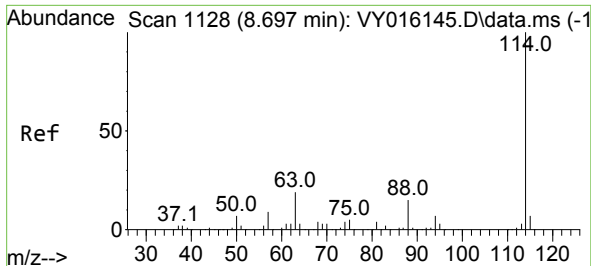
Tgt Ion: 56 Resp: 2347
Ion Ratio Lower Upper
56 100
69 143.5 27.8 41.6#
84 133.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 60.171 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY016194.D
Acq: 02 Nov 2023 16:45

Tgt Ion: 65 Resp: 65939
Ion Ratio Lower Upper
65 100
67 53.9 0.0 101.8

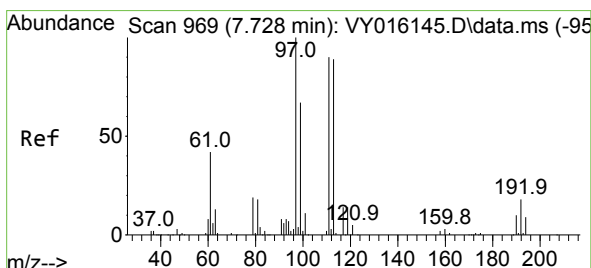
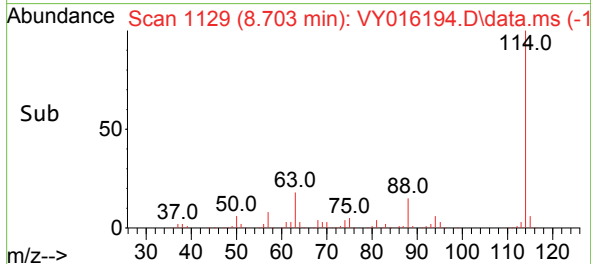
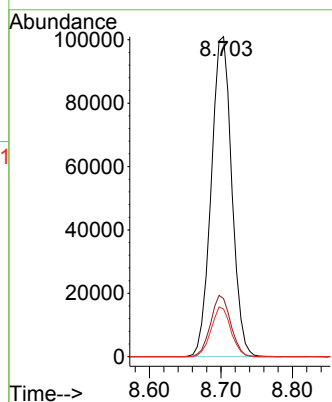
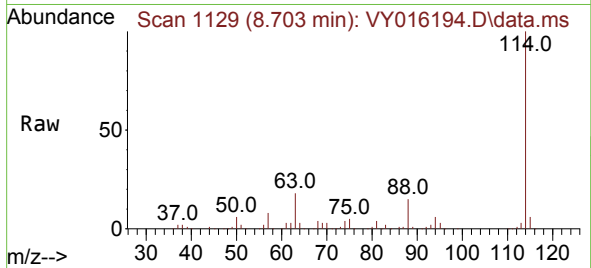




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY016194.D
Acq: 02 Nov 2023 16:45

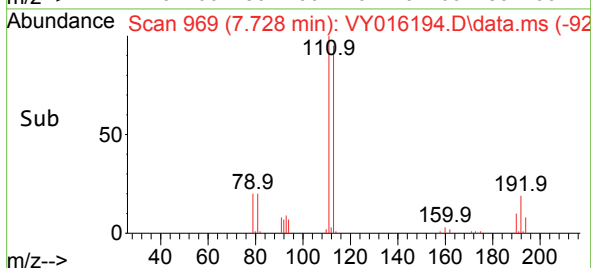
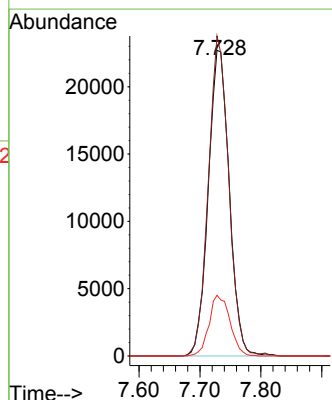
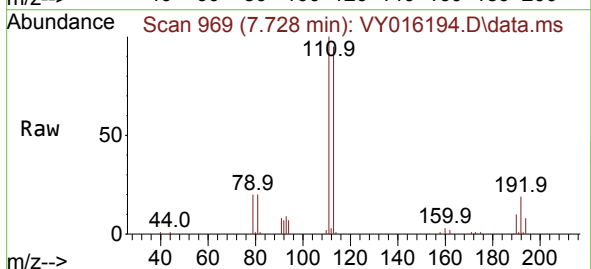
Instrument :
MSVOA_Y
ClientSampleId :

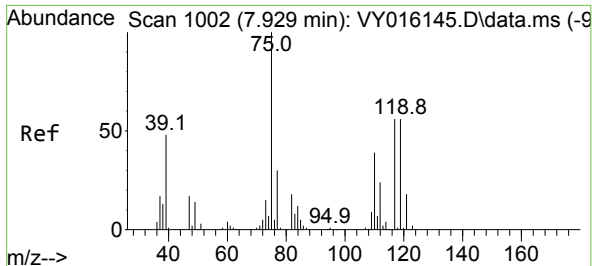
Tgt Ion:114 Resp: 201080
Ion Ratio Lower Upper
114 100
63 18.2 0.0 42.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 45.422 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY016194.D
Acq: 02 Nov 2023 16:45

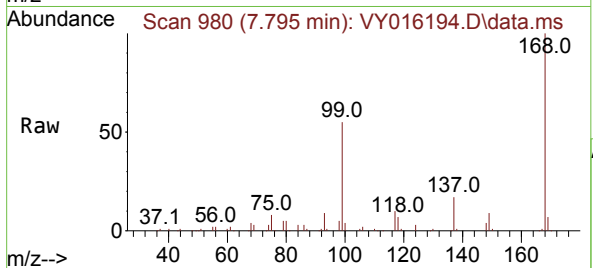
Tgt Ion:113 Resp: 54451
Ion Ratio Lower Upper
113 100
111 101.5 81.3 121.9
192 19.7 16.9 25.3



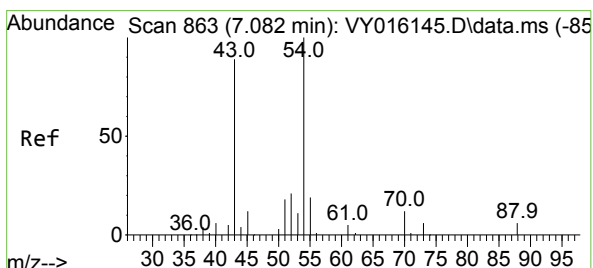
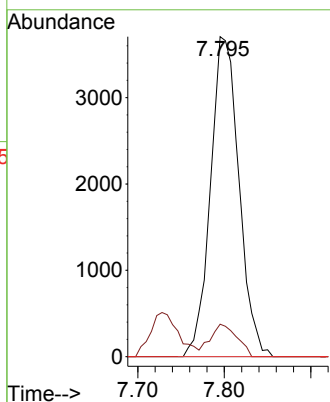
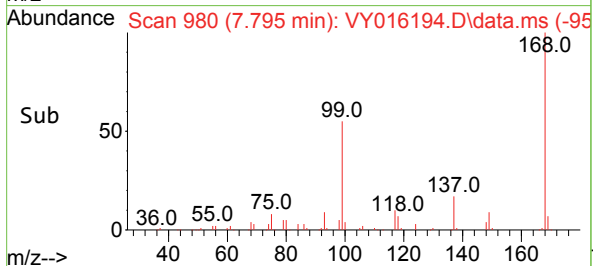


#36
 1,1-Dichloropropene
 Concen: 4.888 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY016194.D
 Acq: 02 Nov 2023 16:45

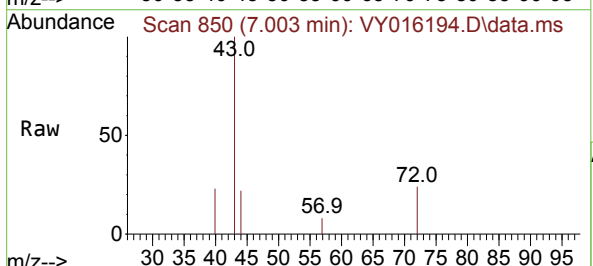
Instrument :
 MSVOA_Y
 ClientSampleId :



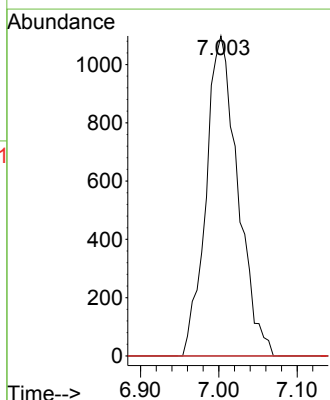
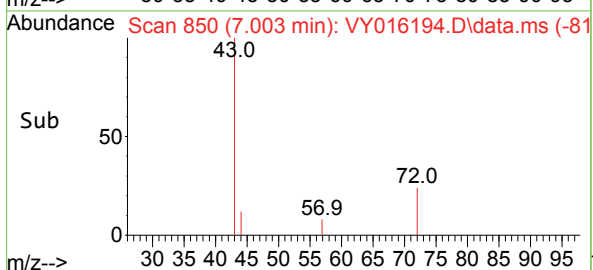
Tgt Ion: 75 Resp: 8462
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.8 53.5#
 77 0.0 24.4 36.6#

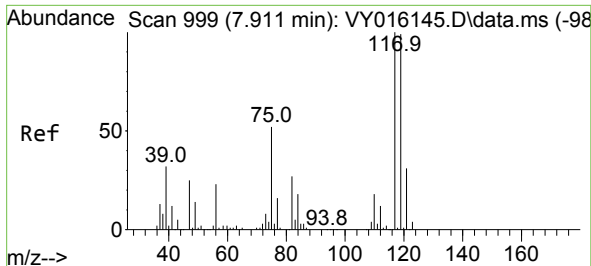


#37
 Ethyl Acetate
 Concen: 4.014 ug/l
 RT: 7.003 min Scan# 850
 Delta R.T. -0.079 min
 Lab File: VY016194.D
 Acq: 02 Nov 2023 16:45



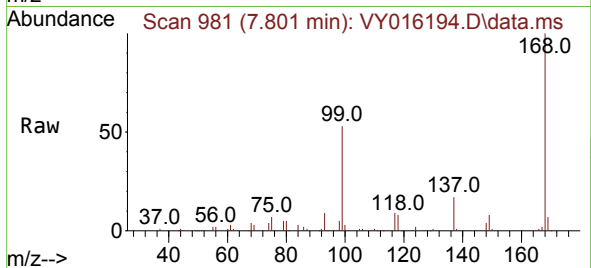
Tgt Ion: 43 Resp: 3095
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.1 15.1#
 70 0.0 7.1 10.7#



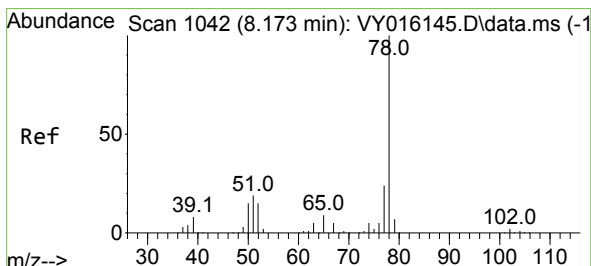
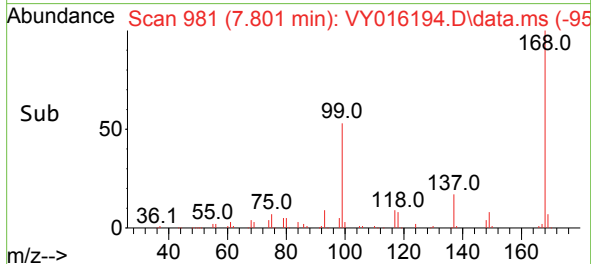
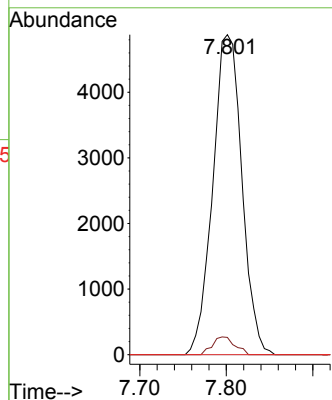


#38
Carbon Tetrachloride
Concen: 6.642 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016194.D
Acq: 02 Nov 2023 16:45

Instrument :
MSVOA_Y
ClientSampleId :

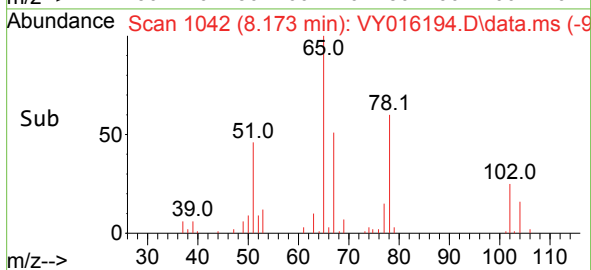
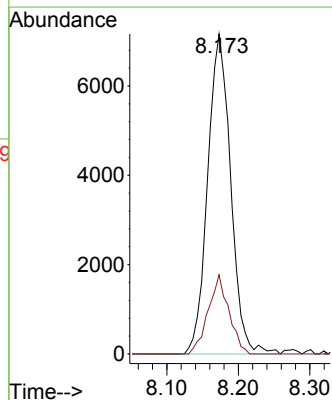
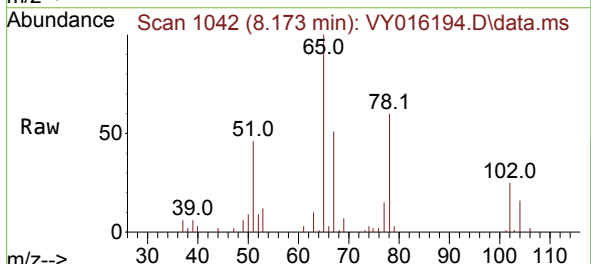


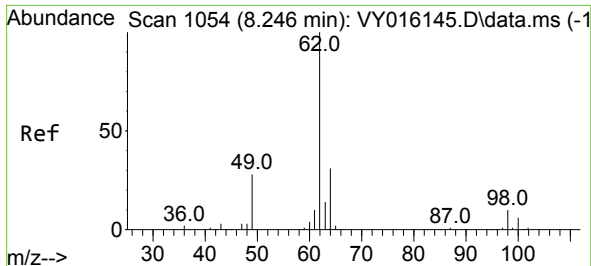
Tgt Ion:117 Resp: 11391
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 3.222 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY016194.D
Acq: 02 Nov 2023 16:45

Tgt Ion: 78 Resp: 16014
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.6





#42

1,2-Dichloroethane

Concen: 1.599 ug/l

RT: 8.252 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VY016194.D

Acq: 02 Nov 2023 16:45

Instrument :

MSVOA_Y

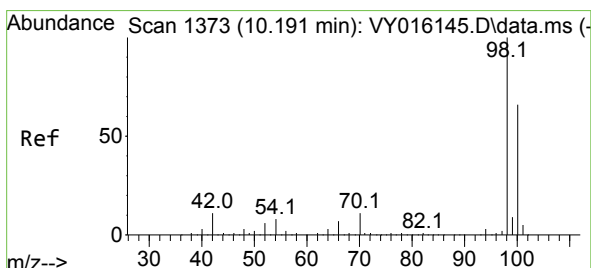
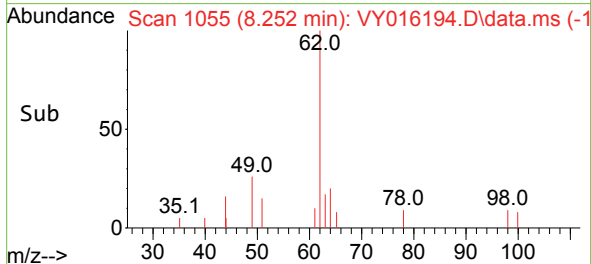
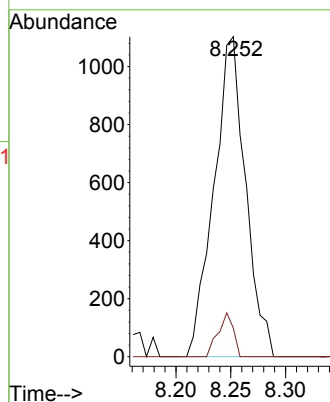
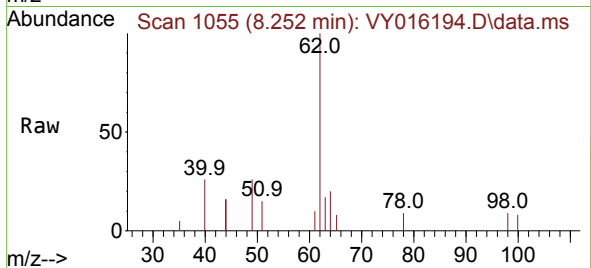
ClientSampleId :

Tgt Ion: 62 Resp: 2217

Ion Ratio Lower Upper

62 100

98 6.6 0.0 15.8



#50

Toluene-d8

Concen: 49.780 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.006 min

Lab File: VY016194.D

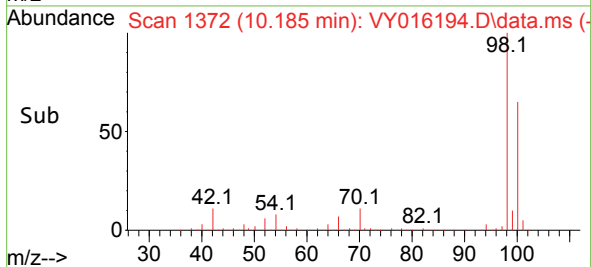
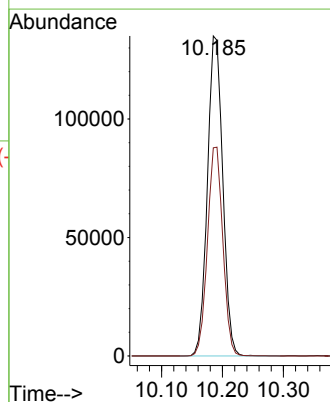
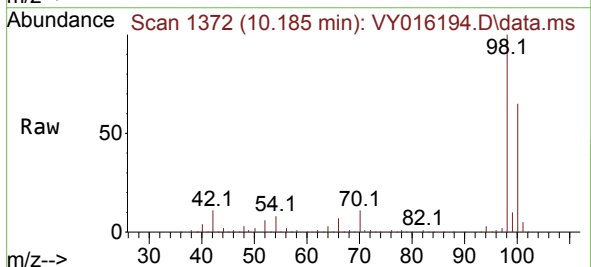
Acq: 02 Nov 2023 16:45

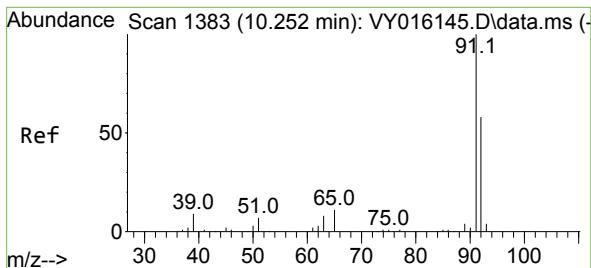
Tgt Ion: 98 Resp: 236601

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1





#52

Toluene

Concen: 3.487 ug/l

RT: 10.252 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016194.D

Acq: 02 Nov 2023 16:45

Instrument :

MSVOA_Y

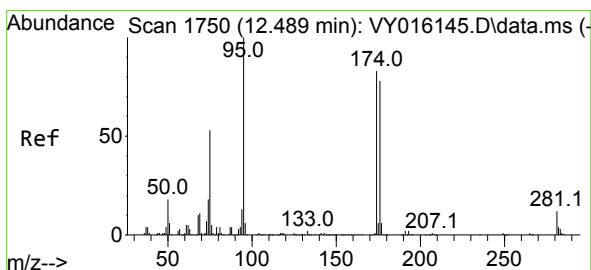
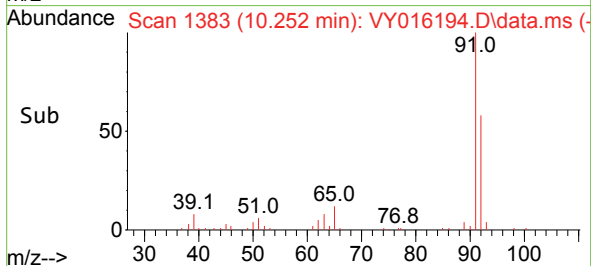
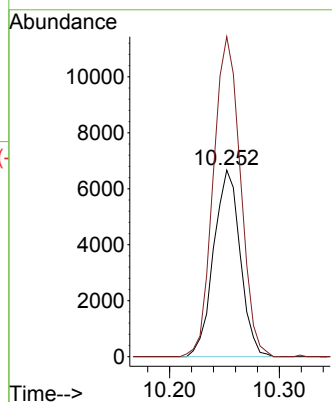
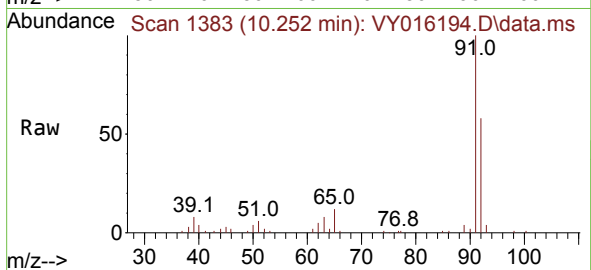
ClientSampleId :

Tgt Ion: 92 Resp: 11230

Ion Ratio Lower Upper

92 100

91 175.0 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 52.337 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY016194.D

Acq: 02 Nov 2023 16:45

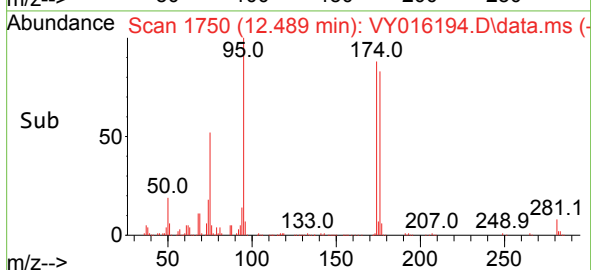
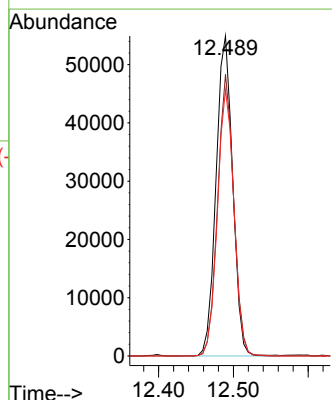
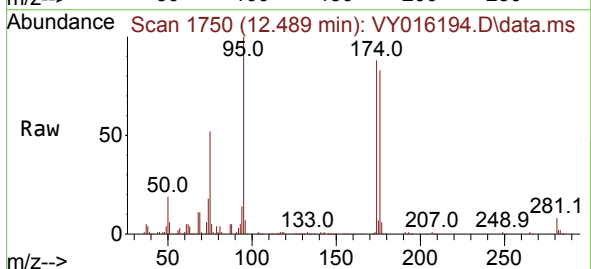
Tgt Ion: 95 Resp: 85061

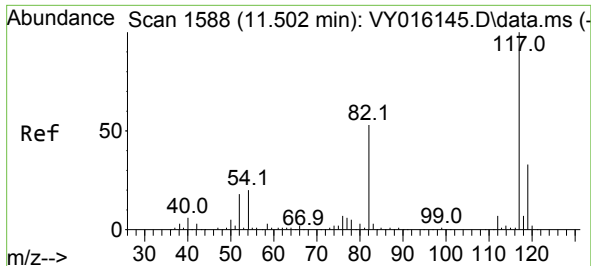
Ion Ratio Lower Upper

95 100

174 85.2 0.0 178.2

176 82.6 0.0 173.8

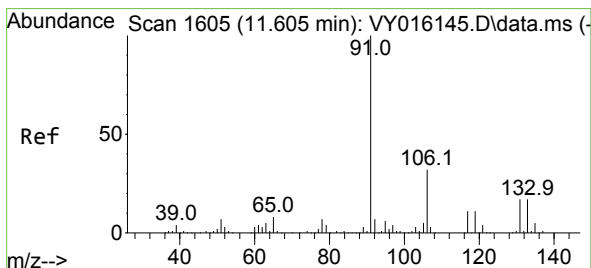
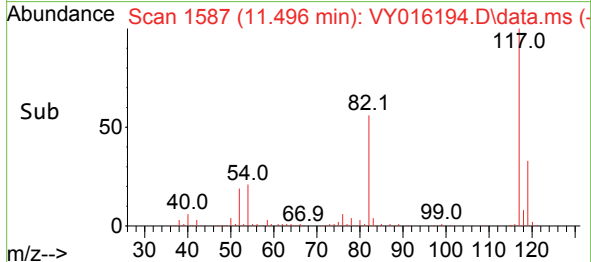
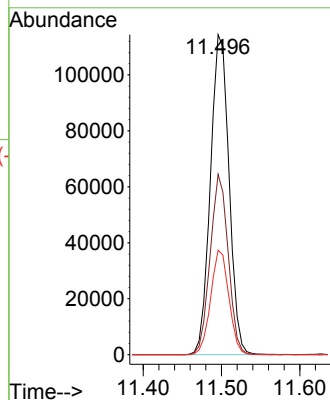
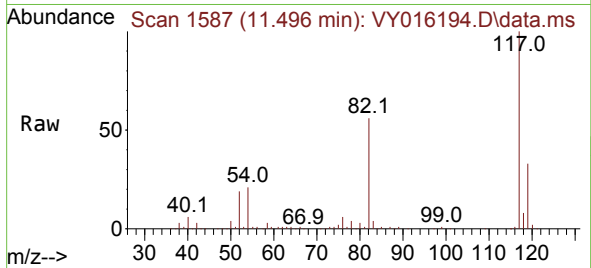




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016194.D
Acq: 02 Nov 2023 16:45

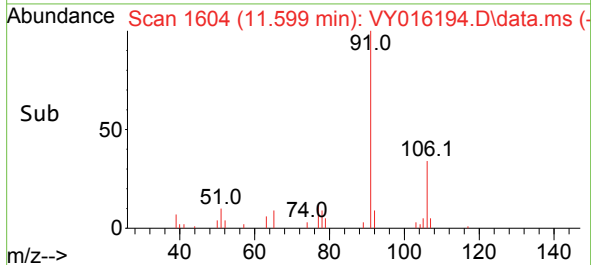
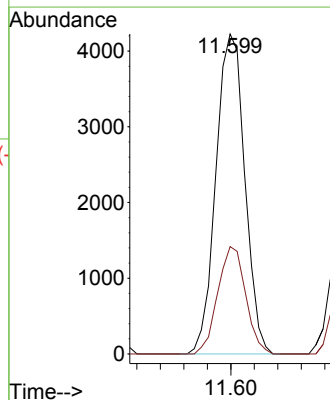
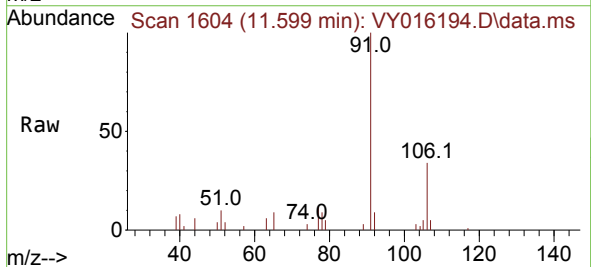
Instrument :
MSVOA_Y
ClientSampleId :

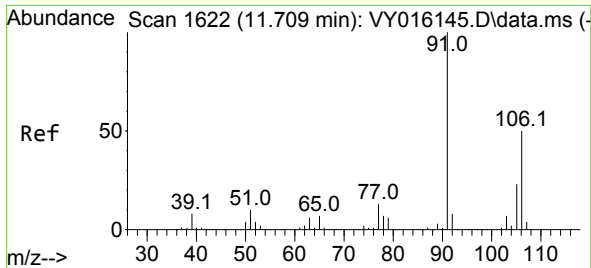
Tgt Ion:117 Resp: 188706
Ion Ratio Lower Upper
117 100
82 56.4 43.4 65.0
119 32.7 26.3 39.5



#67
Ethyl Benzene
Concen: 1.075 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. -0.006 min
Lab File: VY016194.D
Acq: 02 Nov 2023 16:45

Tgt Ion: 91 Resp: 7206
Ion Ratio Lower Upper
91 100
106 33.6 24.6 36.8





#68

m/p-Xylenes

Concen: 2.061 ug/l

RT: 11.703 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016194.D

Acq: 02 Nov 2023 16:45

Instrument :

MSVOA_Y

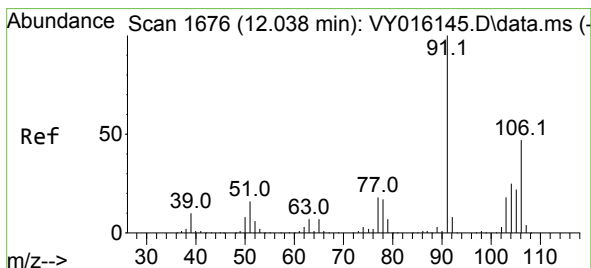
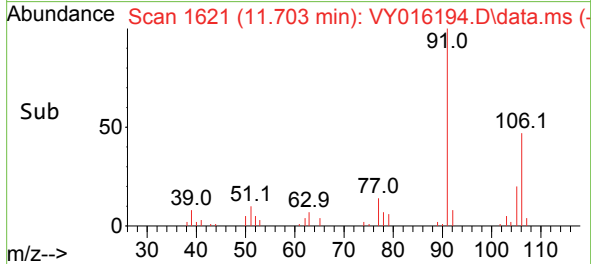
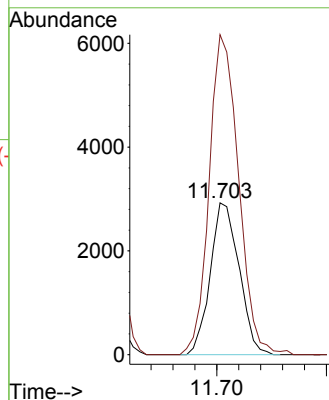
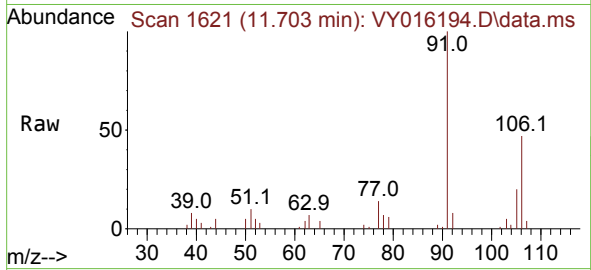
ClientSampleId :

Tgt Ion:106 Resp: 5341

Ion Ratio Lower Upper

106 100

91 215.1 166.1 249.1



#69

o-Xylene

Concen: 1.542 ug/l

RT: 12.038 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VY016194.D

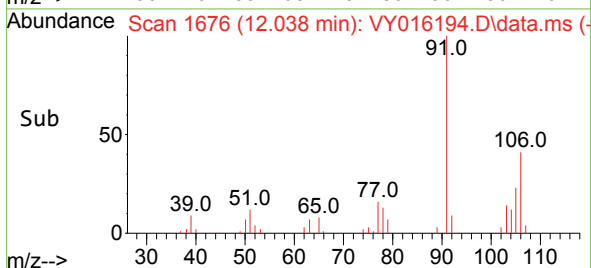
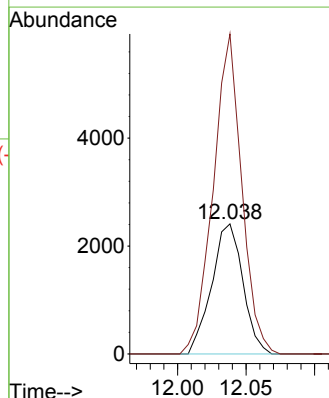
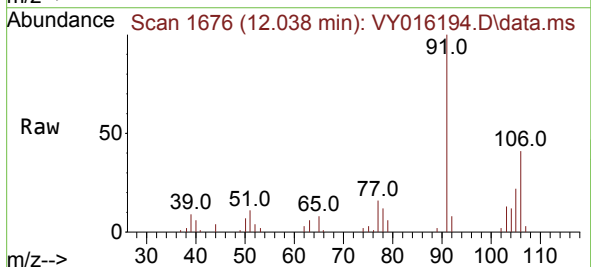
Acq: 02 Nov 2023 16:45

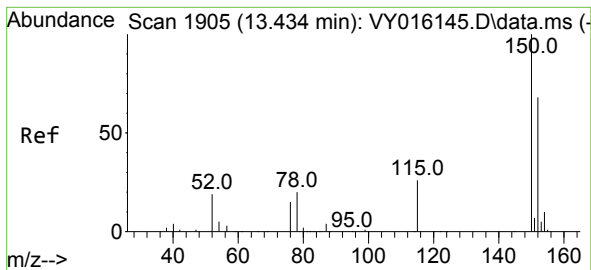
Tgt Ion:106 Resp: 3816

Ion Ratio Lower Upper

106 100

91 224.8 108.1 324.3

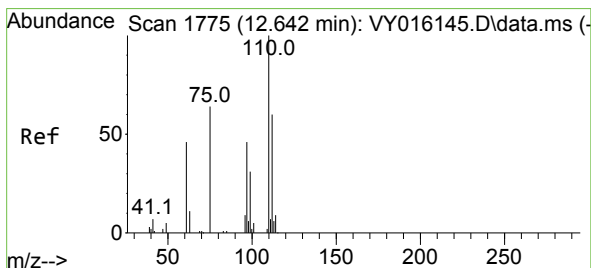
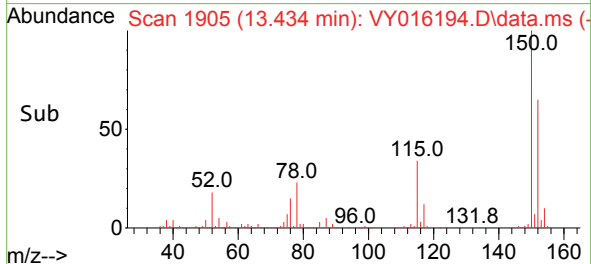
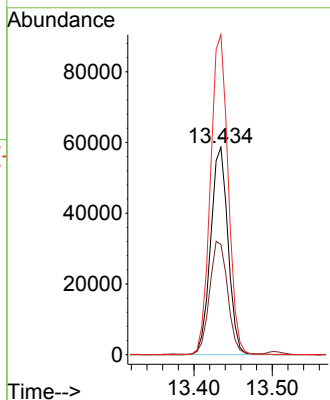
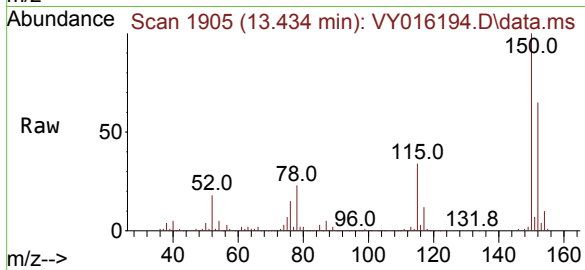




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.000 min
 Lab File: VY016194.D
 Acq: 02 Nov 2023 16:45

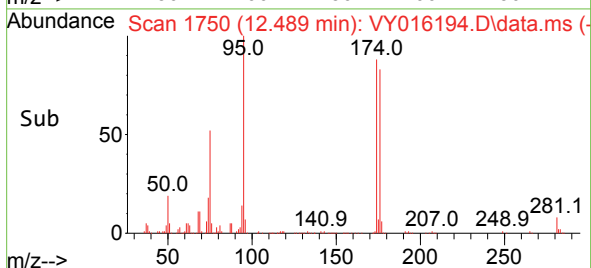
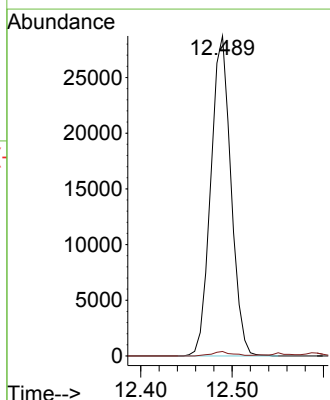
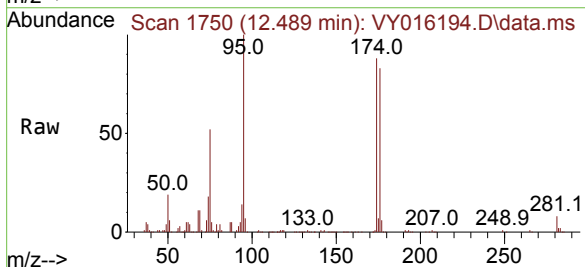
Instrument :
 MSVOA_Y
 ClientSampleId :

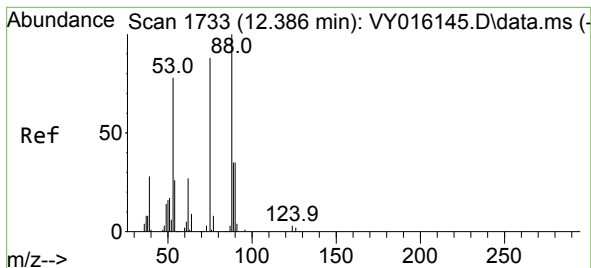
Tgt Ion:152 Resp: 90130
 Ion Ratio Lower Upper
 152 100
 115 56.9 28.8 86.5
 150 157.1 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 51.954 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.152 min
 Lab File: VY016194.D
 Acq: 02 Nov 2023 16:45

Tgt Ion: 75 Resp: 44097
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

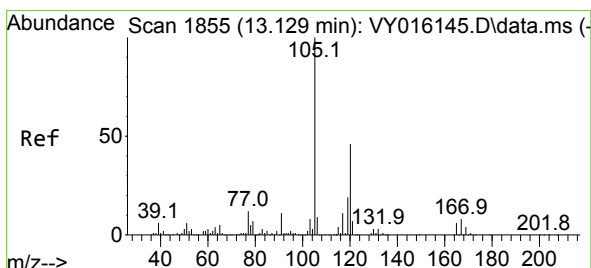
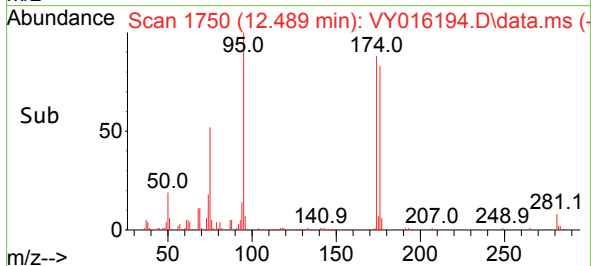
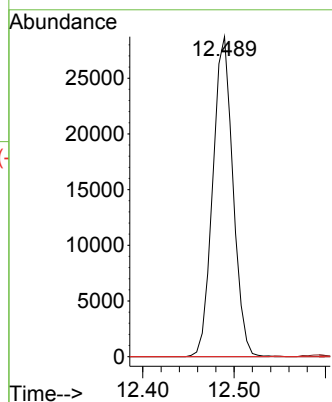
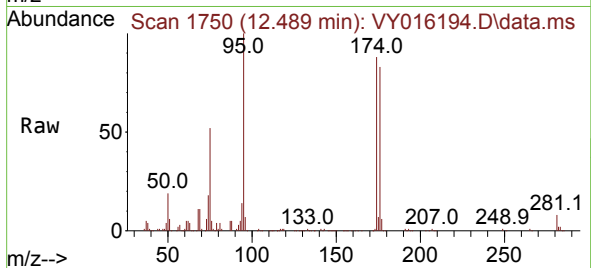




#81
trans-1,4-Dichloro-2-butene
Concen: 112.649 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016194.D
Acq: 02 Nov 2023 16:45

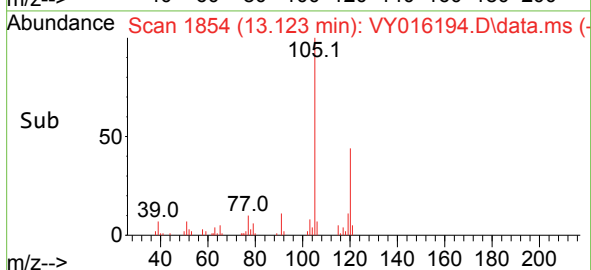
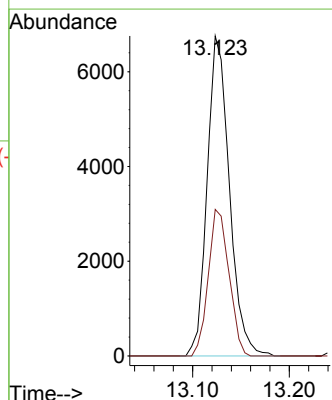
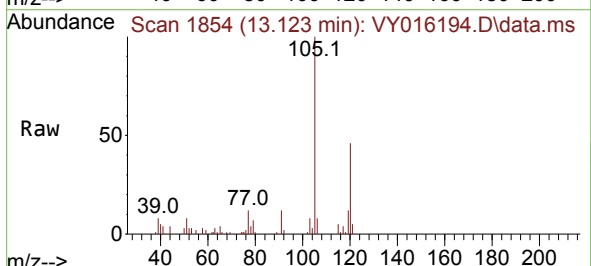
Instrument :
MSVOA_Y
ClientSampleId :

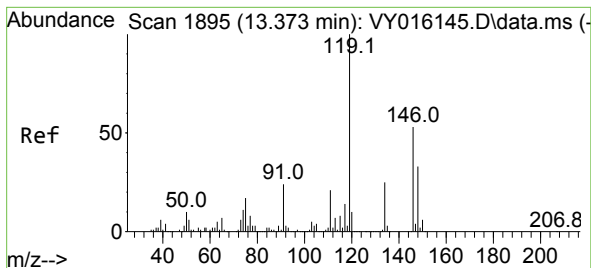
Tgt Ion: 75 Resp: 44097
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.993 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VY016194.D
Acq: 02 Nov 2023 16:45

Tgt Ion: 105 Resp: 10801
Ion Ratio Lower Upper
105 100
120 42.7 22.2 66.6





#87

1,3-Dichlorobenzene

Concen: 1.685 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.079 min

Lab File: VY016194.D

Acq: 02 Nov 2023 16:45

Instrument :

MSVOA_Y

ClientSampleId :

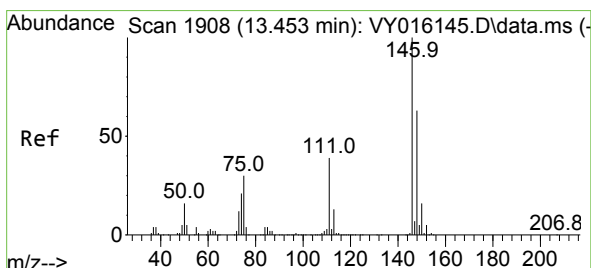
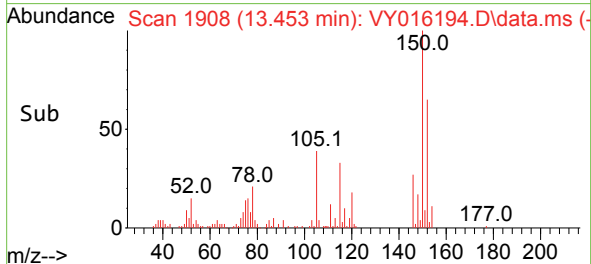
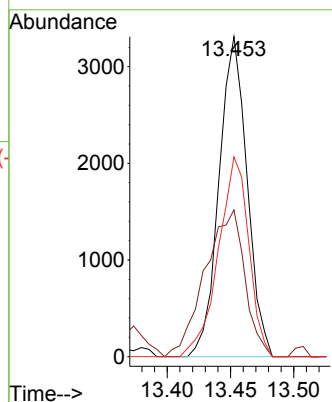
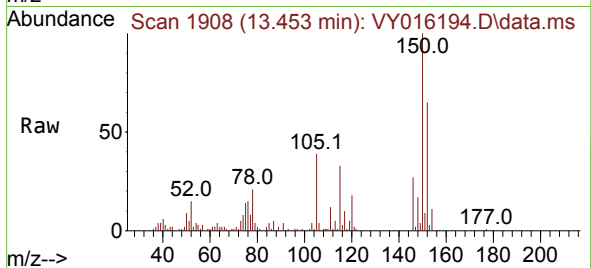
Tgt Ion:146 Resp: 5101

Ion Ratio Lower Upper

146 100

111 64.8 19.4 58.2#

148 67.7 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 1.705 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY016194.D

Acq: 02 Nov 2023 16:45

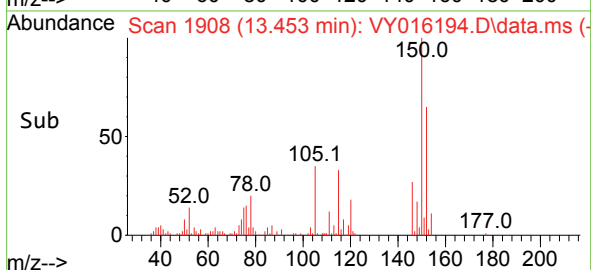
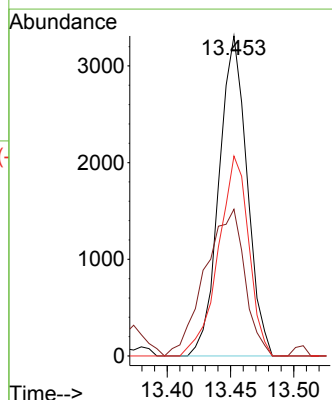
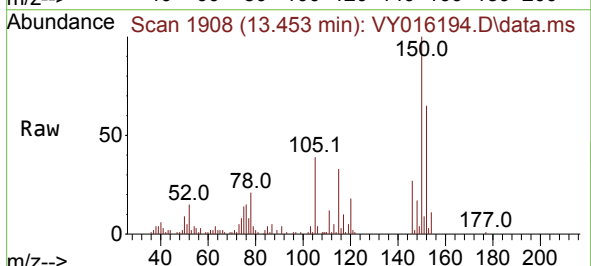
Tgt Ion:146 Resp: 5101

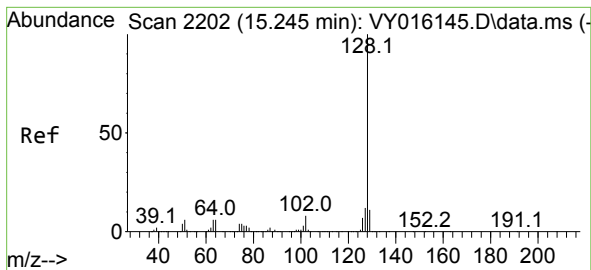
Ion Ratio Lower Upper

146 100

111 64.8 18.9 56.7#

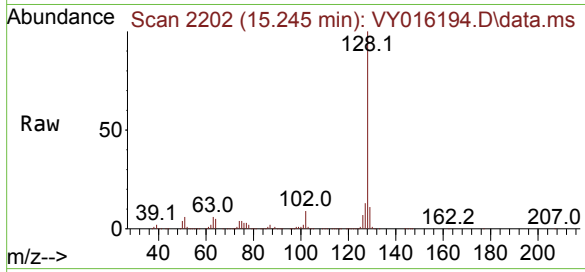
148 67.7 32.1 96.5





#95
 Naphthalene
 Concen: 199.333 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY016194.D
 Acq: 02 Nov 2023 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:128 Resp: 625244
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.8 16.2
 129 11.0 8.6 13.0

