

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016112.D
 Acq On : 27 Oct 2023 18:30
 Operator : SY/MD
 Sample : 05107-04
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 06:11:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	167028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	267125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	221913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83139	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94292	56.773	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.540%	
35) Dibromofluoromethane	7.716	113	83669	49.615	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.240%	
50) Toluene-d8	10.179	98	344153	55.095	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.200%	
62) 4-Bromofluorobenzene	12.483	95	97120	45.326	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.660%	

Target Compounds			Qvalue			
3) Chloromethane	2.076	50	8721	6.174	ug/l #	75
11) Tert butyl alcohol	4.954	59	5687	Below Cal	#	89
13) Acrolein	3.692	56	3142	15.189	ug/l #	1
14) Allyl chloride	4.417	41	2879	1.290	ug/l #	22
15) Acrylonitrile	5.240	53	8242	19.411	ug/l #	32
16) Acetone	3.948	43	196792	437.149	ug/l	98
17) Carbon Disulfide	4.198	76	6066	1.536	ug/l #	95
18) Methyl Acetate	4.472	43	3106	1.951	ug/l #	87
20) Methylene Chloride	4.716	84	23183	8.370	ug/l #	83
25) 2-Butanone	6.990	43	52290	86.063	ug/l	99
26) 2,2-Dichloropropane	6.972	77	3858	1.412	ug/l #	54
29) Tetrahydrofuran	7.356	42	545	1.563	ug/l #	55
31) Cyclohexane	7.789	56	665920	254.860	ug/l	89
36) 1,1-Dichloropropene	7.789	75	13062	5.557	ug/l #	51
37) Ethyl Acetate	6.990	43	52290	43.400	ug/l #	78
38) Carbon Tetrachloride	7.789	117	16308	6.560	ug/l #	15
39) Methylcyclohexane	9.185	83	1191273	415.996	ug/l	93
40) Benzene	8.161	78	15672544	2354.934	ug/l	92
41) Methacrylonitrile	7.368	41	1760	2.791	ug/l #	12
42) 1,2-Dichloroethane	8.161	62	143120	74.425	ug/l #	78
43) Isopropyl Acetate	8.270	43	24968	11.083	ug/l #	55
45) 1,2-Dichloropropane	9.185	63	11111	6.596	ug/l #	1
48) Methyl methacrylate	9.246	41	19604	18.889	ug/l #	36
51) 4-Methyl-2-Pentanone	10.069	43	11414	9.602	ug/l	89
52) Toluene	10.246	92	12987724	3039.065	ug/l #	73
53) t-1,3-Dichloropropene	10.246	75	171676	70.287	ug/l #	1
55) 1,1,2-Trichloroethane	10.618	97	84189	59.996	ug/l #	18
56) Ethyl methacrylate	10.526	69	47285	26.220	ug/l #	45
59) 2-Hexanone	10.807	43	56028	63.986	ug/l #	32
67) Ethyl Benzene	11.593	91	3836325	495.270	ug/l	97
68) m/p-Xylenes	11.703	106	7467188	2491.055	ug/l	83
69) o-Xylene	12.032	106	4092714	1426.153	ug/l	91
70) Styrene	12.044	104	864875	180.798	ug/l #	33
73) Isopropylbenzene	12.331	105	424077	72.479	ug/l	99
74) N-amyl acetate	12.123	43	28924	20.274	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.556	83	5005	4.185	ug/l #	26

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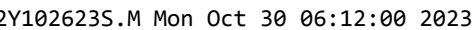
Quant Time: Oct 30 06:11:49 2023
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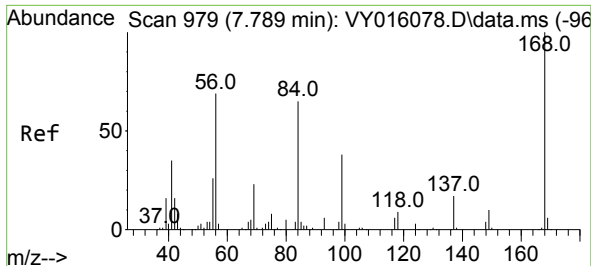
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

76) 1,2,3-Trichloropropane	12.672	75	4469	5.265	ug/l	#	100
77) Bromobenzene	12.404	156	635921	465.695	ug/l	#	1
78) n-propylbenzene	12.672	91	742496	104.806	ug/l		99
79) 2-Chlorotoluene	12.733	91	321194	80.952	ug/l	#	42
80) 1,3,5-Trimethylbenzene	12.812	105	3008862	619.385	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.325	75	7151	18.308	ug/l	#	45
82) 4-Chlorotoluene	12.812	91	323049	78.510	ug/l	#	41
83) tert-Butylbenzene	13.074	119	42224	9.779	ug/l		96
84) 1,2,4-Trimethylbenzene	13.123	105	6057300	1262.535	ug/l		95
85) sec-Butylbenzene	13.123	105	6057300	941.847	ug/l	#	56
86) p-Isopropyltoluene	13.367	119	192234	35.821	ug/l		97
88) 1,4-Dichlorobenzene	13.446	146	6295	2.310	ug/l	#	6
89) n-Butylbenzene	13.696	91	89490	17.876	ug/l	#	52
90) Hexachloroethane	13.971	117	61152	58.530	ug/l	#	8
92) 1,2-Dibromo-3-Chloropr...	14.336	75	5516	29.376	ug/l	#	3
95) Naphthalene	15.233	128	20209023	6860.874	ug/l	#	82

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

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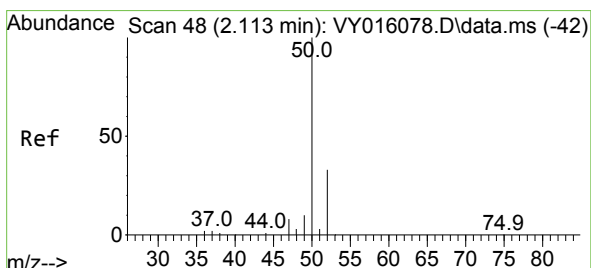
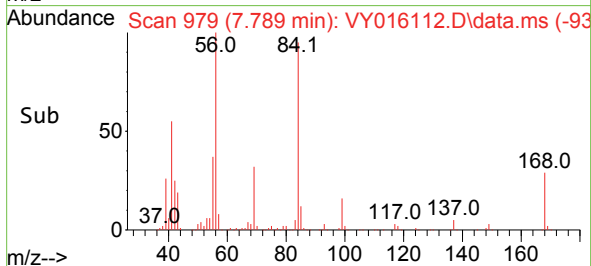
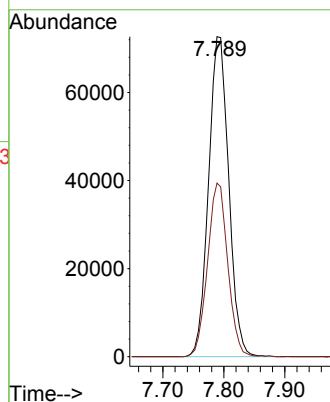
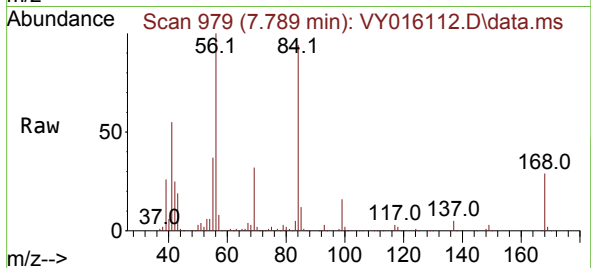




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

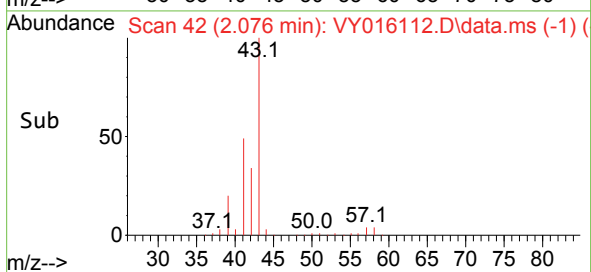
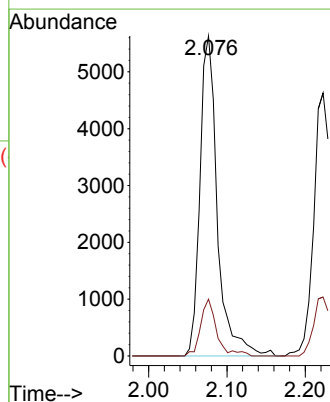
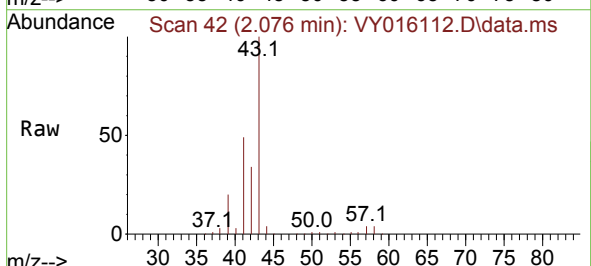
Instrument :
MSVOA_Y
ClientSampleId :

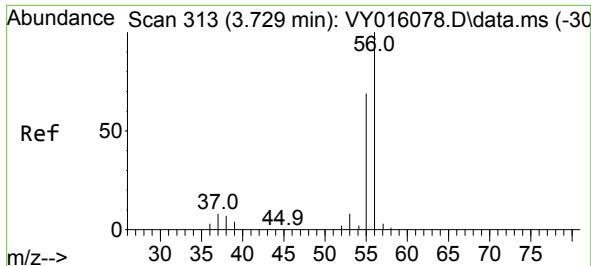
Tgt Ion:168 Resp: 167028
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#3
Chloromethane
Concen: 6.174 ug/l
RT: 2.076 min Scan# 42
Delta R.T. -0.037 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion: 50 Resp: 8721
Ion Ratio Lower Upper
50 100
52 17.8 25.4 38.2#





#13

Acrolein

Concen: 15.189 ug/l

RT: 3.692 min Scan# 307

Delta R.T. -0.037 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

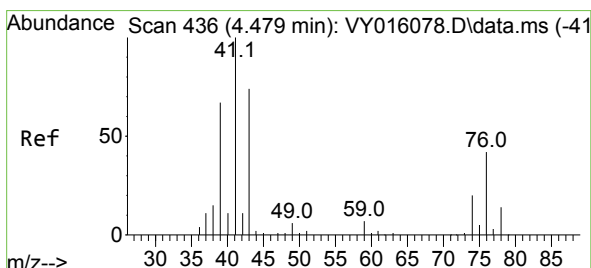
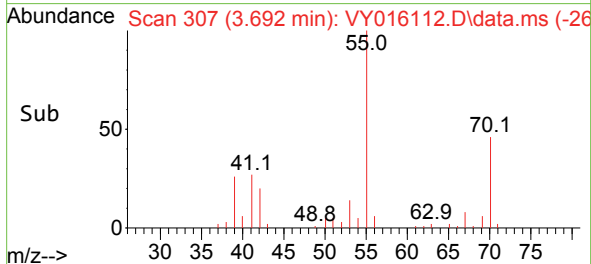
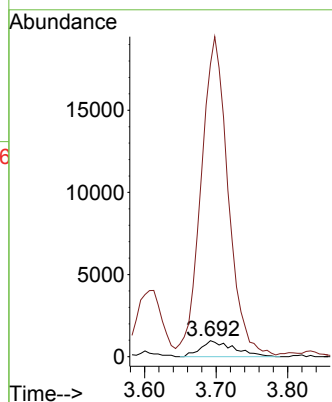
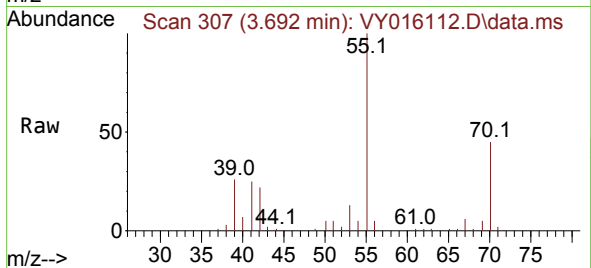
ClientSampleId :

Tgt Ion: 56 Resp: 3142

Ion Ratio Lower Upper

56 100

55 1618.7 57.0 85.4#



#14

Allyl chloride

Concen: 1.290 ug/l

RT: 4.417 min Scan# 426

Delta R.T. -0.061 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

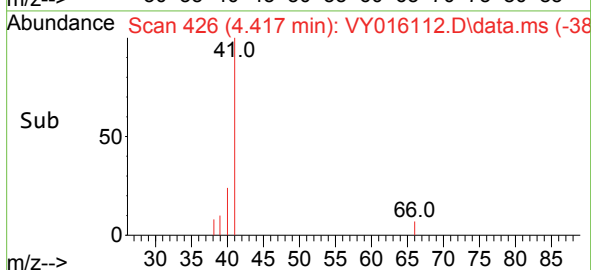
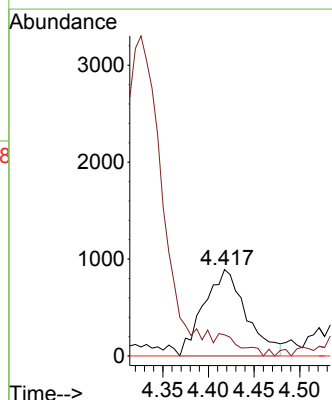
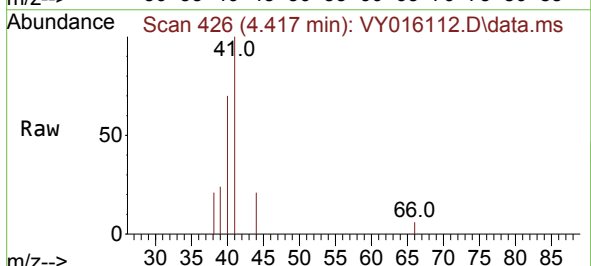
Tgt Ion: 41 Resp: 2879

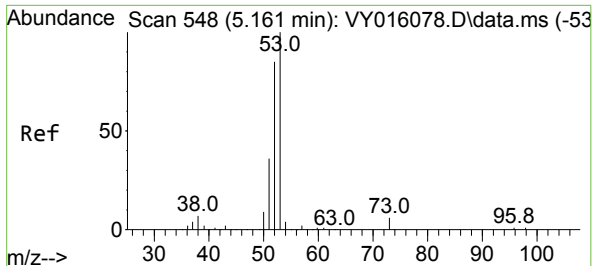
Ion Ratio Lower Upper

41 100

39 0.0 58.0 87.0#

76 0.0 27.4 41.2#

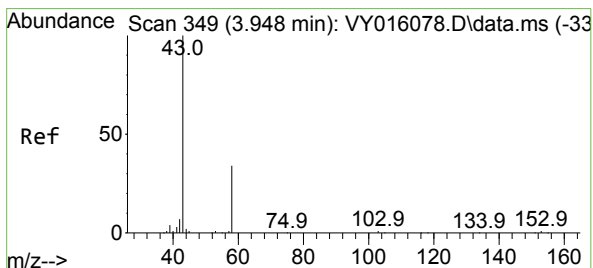
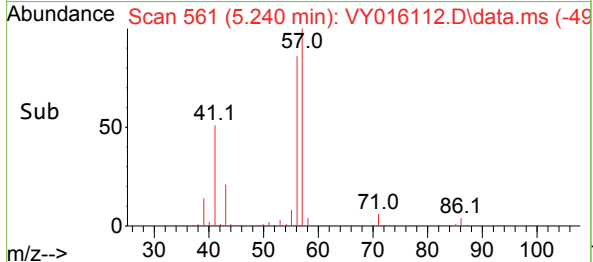
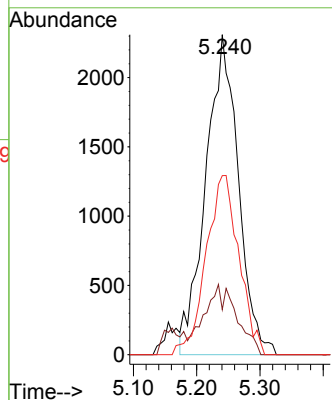
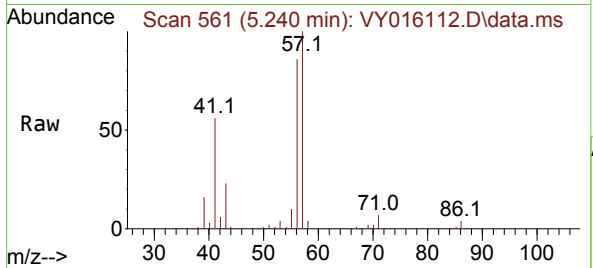




#15
Acrylonitrile
Concen: 19.411 ug/l
RT: 5.240 min Scan# 51
Delta R.T. 0.079 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

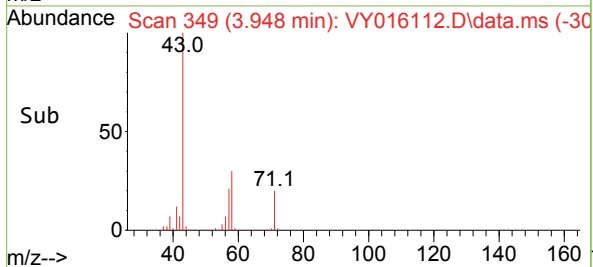
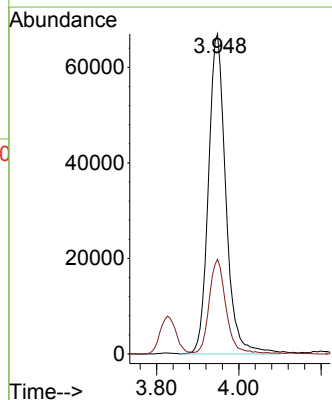
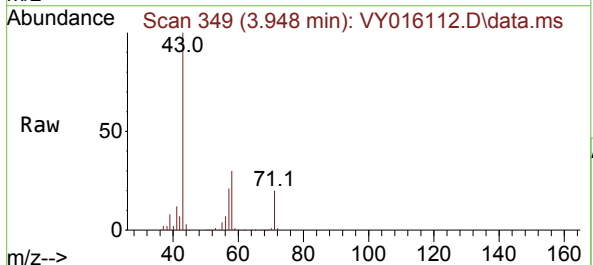
Instrument :
MSVOA_Y
ClientSampleId :

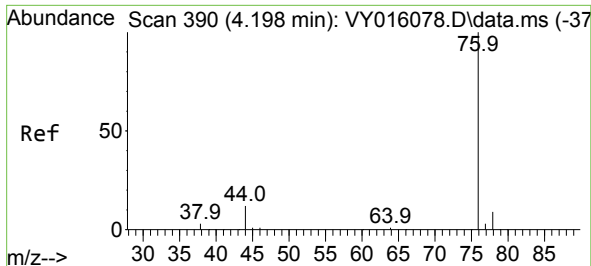
Tgt Ion: 53 Resp: 8242
Ion Ratio Lower Upper
53 100
52 8.4 66.9 100.3#
51 56.6 29.8 44.6#



#16
Acetone
Concen: 437.149 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

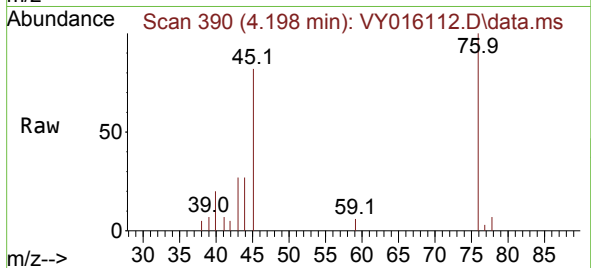
Tgt Ion: 43 Resp: 196792
Ion Ratio Lower Upper
43 100
58 29.3 22.7 34.1



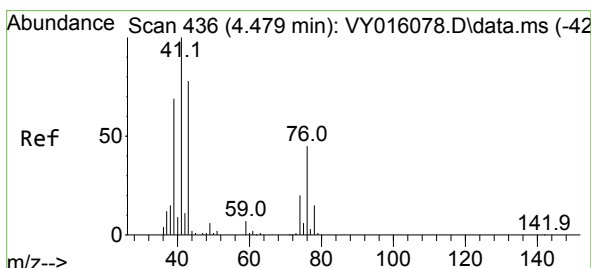
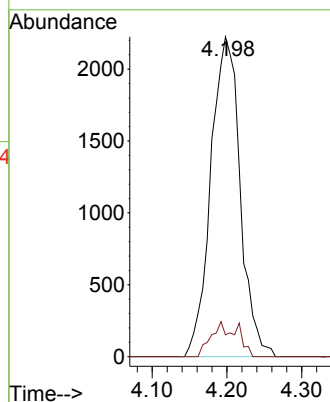
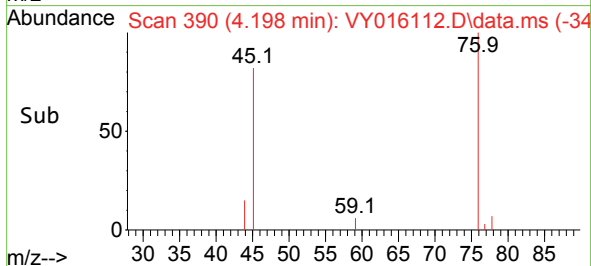


#17
Carbon Disulfide
Concen: 1.536 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

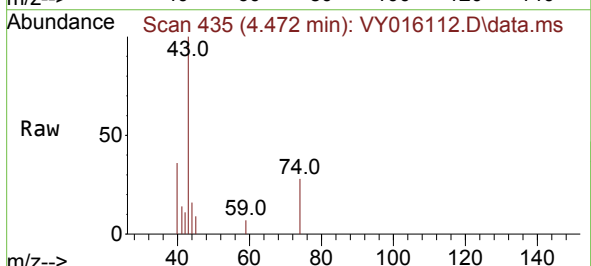
Instrument :
MSVOA_Y
ClientSampleId :



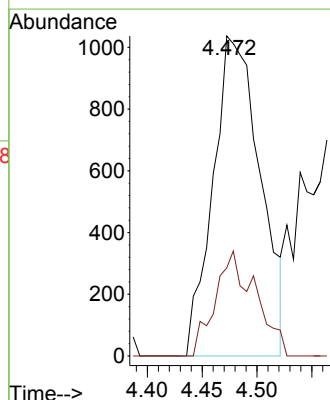
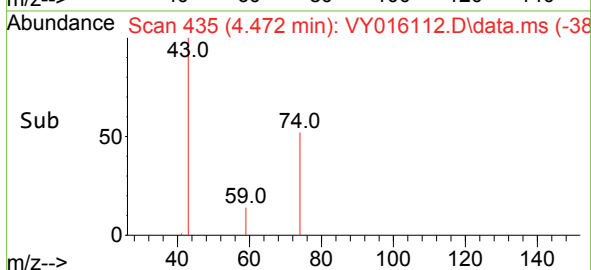
Tgt Ion: 76 Resp: 6066
Ion Ratio Lower Upper
76 100
78 6.8 7.0 10.4#

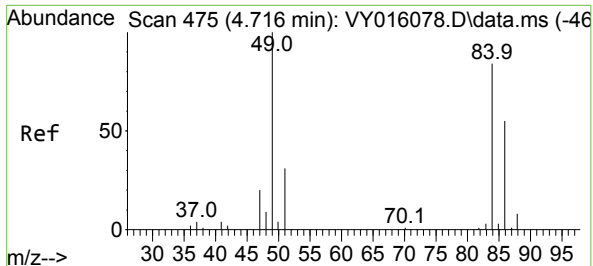


#18
Methyl Acetate
Concen: 1.951 ug/l
RT: 4.472 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30



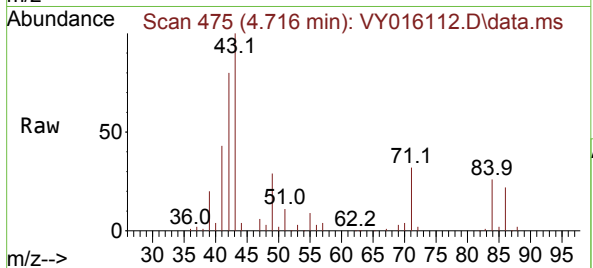
Tgt Ion: 43 Resp: 3106
Ion Ratio Lower Upper
43 100
74 28.0 17.4 26.0#





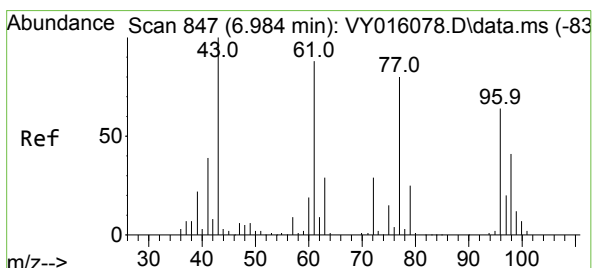
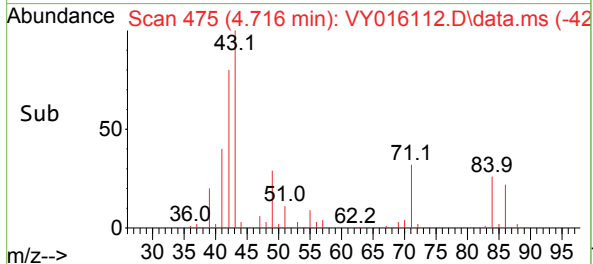
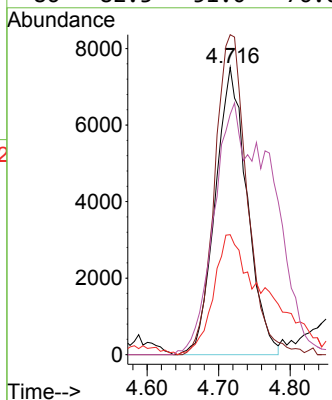
#20
Methylene Chloride
Concen: 8.370 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 23183

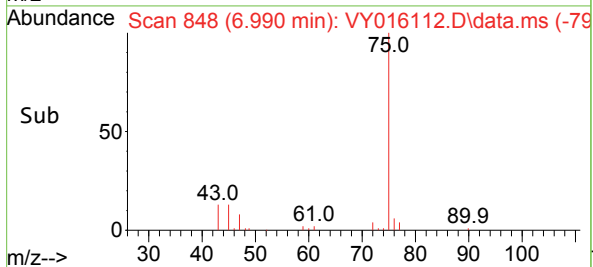
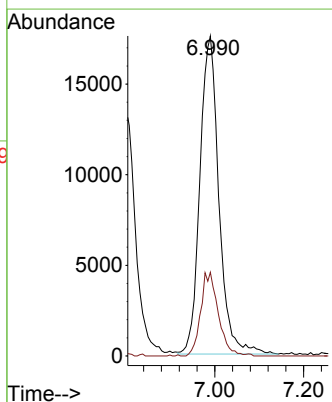
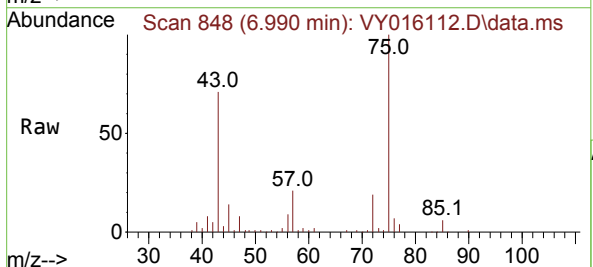
Ion	Ratio	Lower	Upper
84	100		
49	111.4	106.9	160.3
51	41.8	33.2	49.8
86	82.3	51.0	76.6

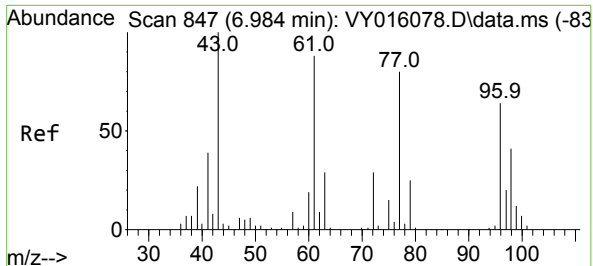


#25
2-Butanone
Concen: 86.063 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion: 43 Resp: 52290

Ion	Ratio	Lower	Upper
43	100		
72	26.3	20.5	30.7





#26

2,2-Dichloropropane

Concen: 1.412 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

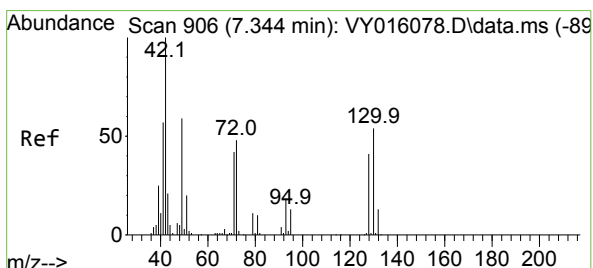
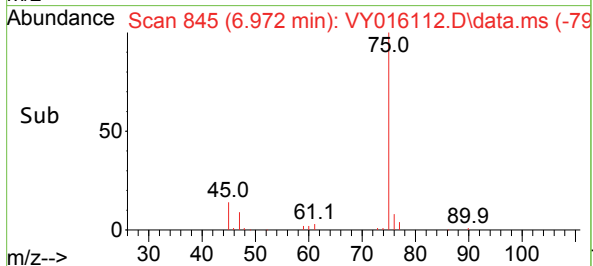
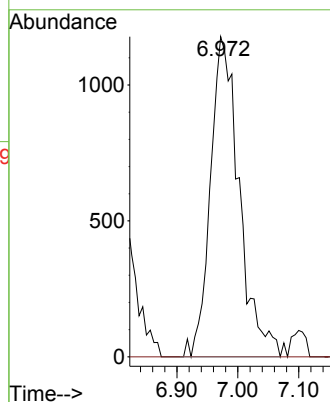
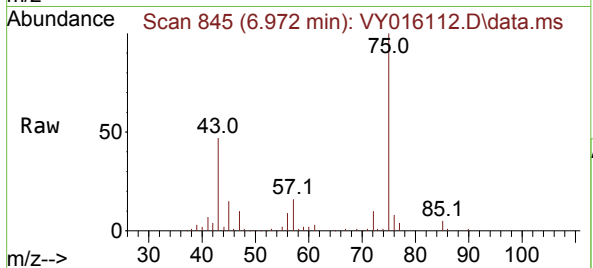
ClientSampleId :

Tgt Ion: 77 Resp: 3858

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 1.563 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

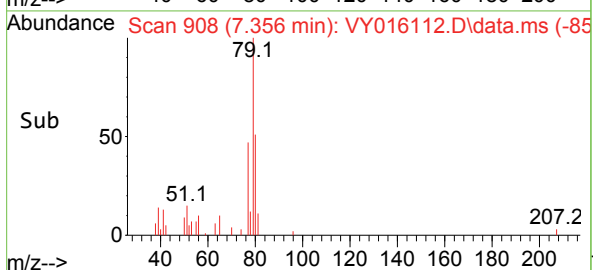
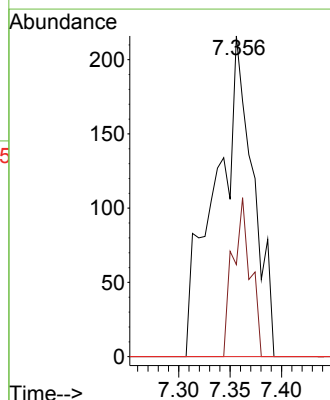
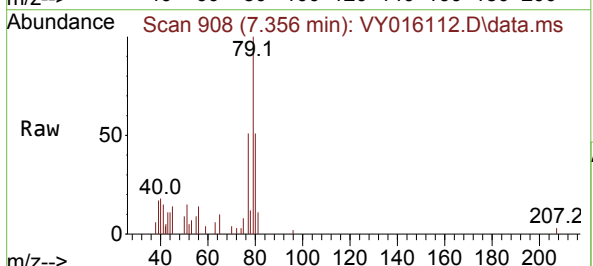
Tgt Ion: 42 Resp: 545

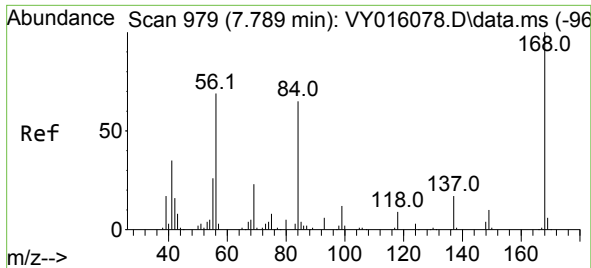
Ion Ratio Lower Upper

42 100

72 23.5 32.8 49.2#

71 0.0 31.0 46.4#

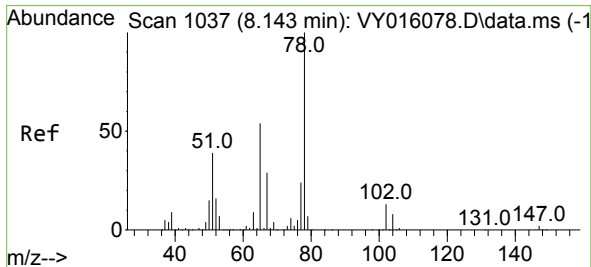
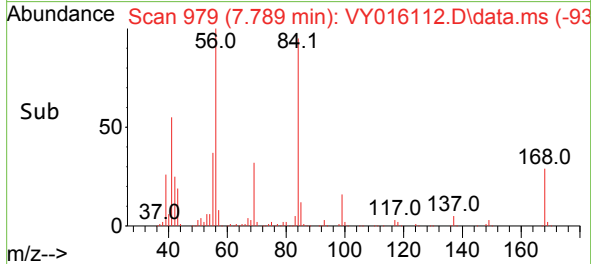
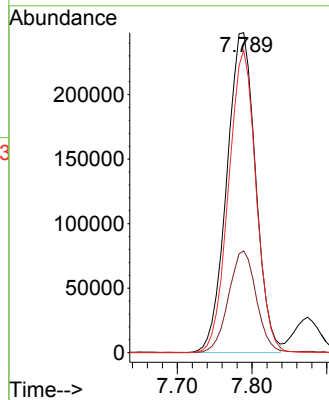
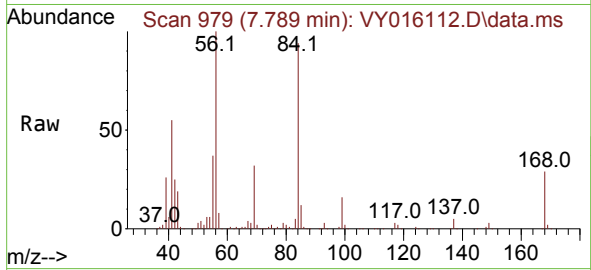




#31
Cyclohexane
Concen: 254.860 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

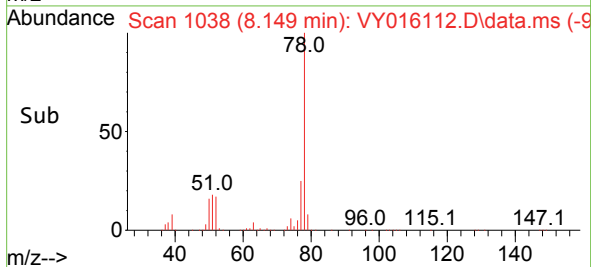
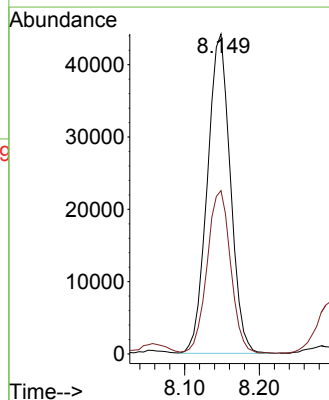
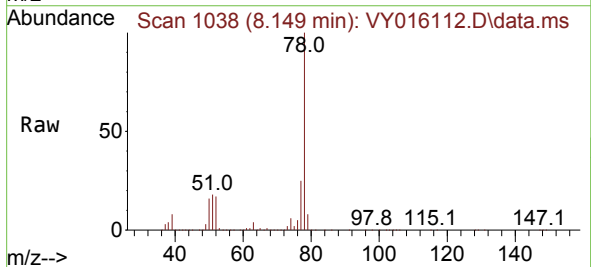
Instrument :
MSVOA_Y
ClientSampleId :

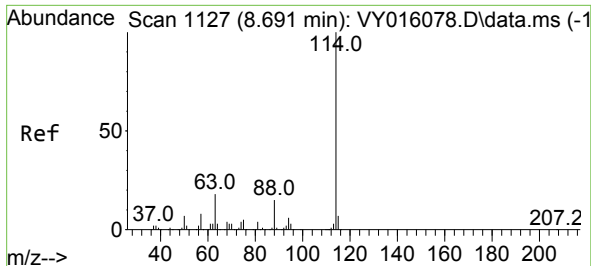
Tgt Ion: 56 Resp: 665920
Ion Ratio Lower Upper
56 100
69 31.7 27.8 41.6
84 94.5 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 56.773 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion: 65 Resp: 94292
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.8

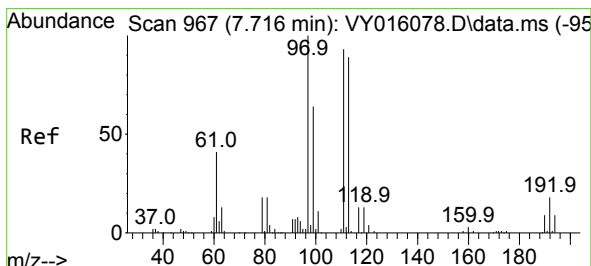
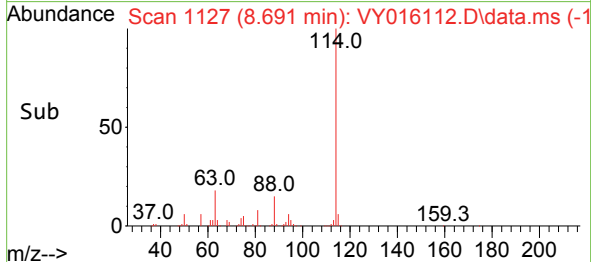
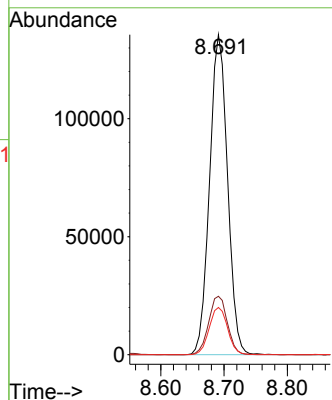
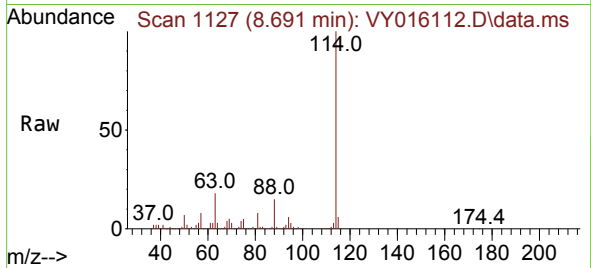




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

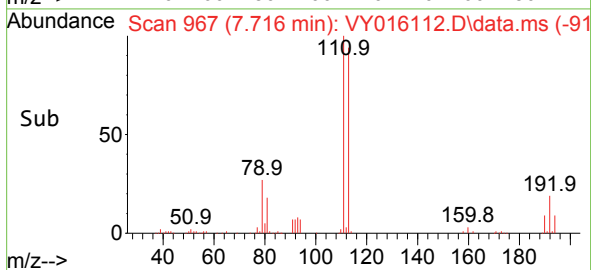
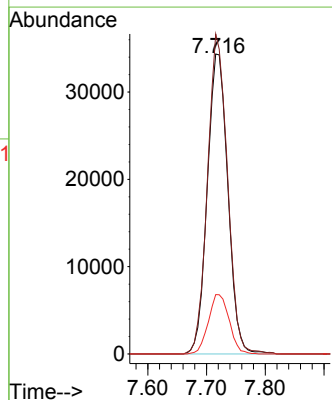
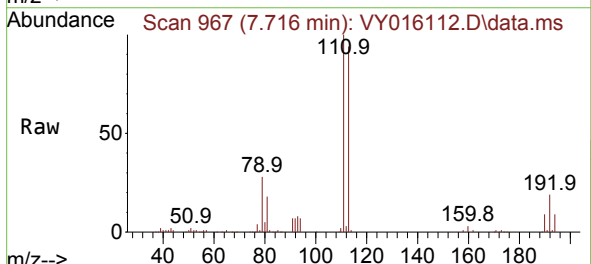
Instrument :
MSVOA_Y
ClientSampleId :

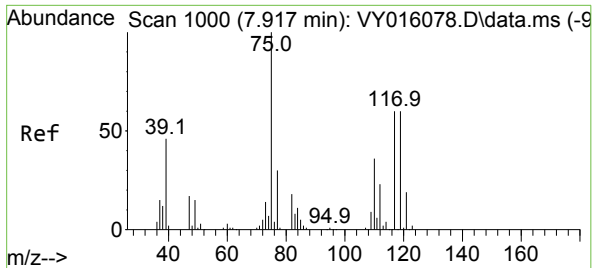
Tgt Ion:114 Resp: 267125
Ion Ratio Lower Upper
114 100
63 18.3 0.0 42.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.615 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion:113 Resp: 83669
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 20.0 16.9 25.3

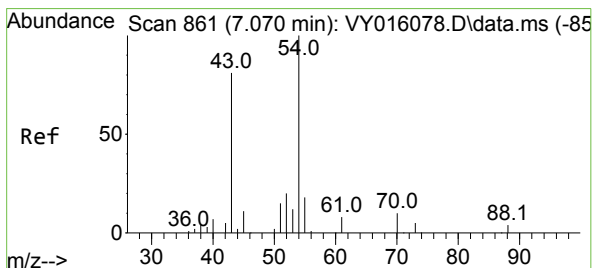
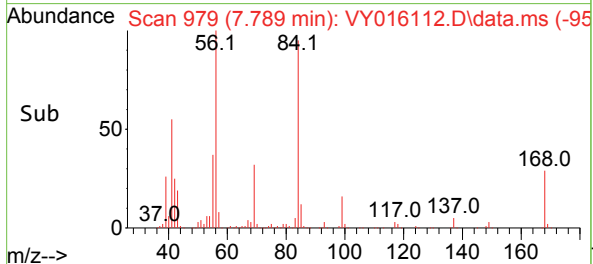
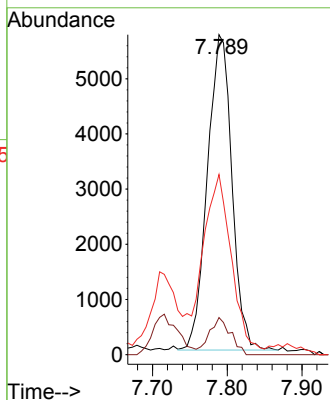
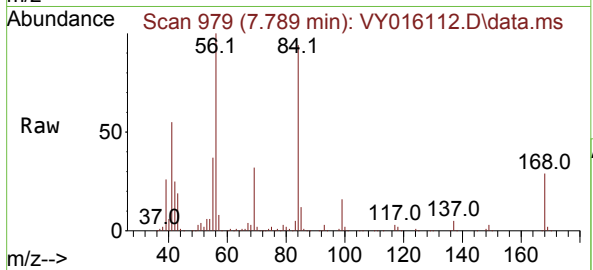




#36
1,1-Dichloropropene
Concen: 5.557 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

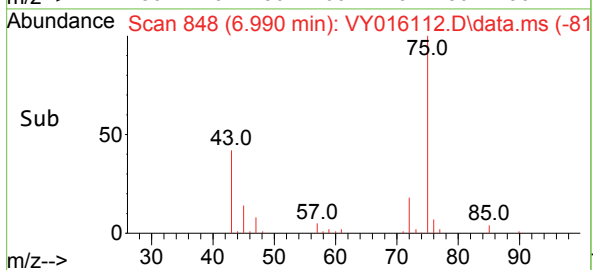
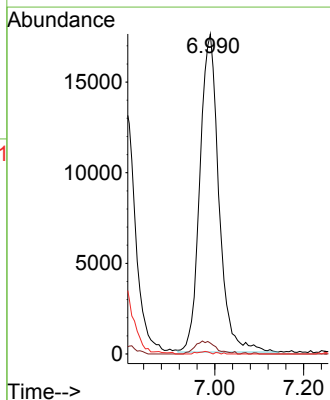
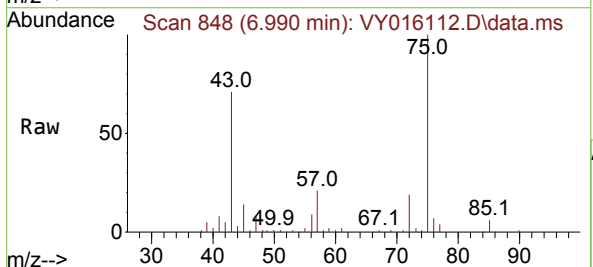
Instrument :
MSVOA_Y
ClientSampleId :

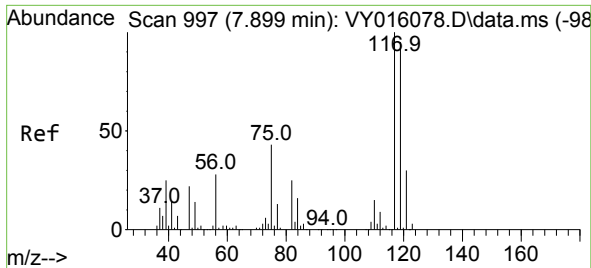
Tgt Ion: 75 Resp: 13062
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 43.400 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.079 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

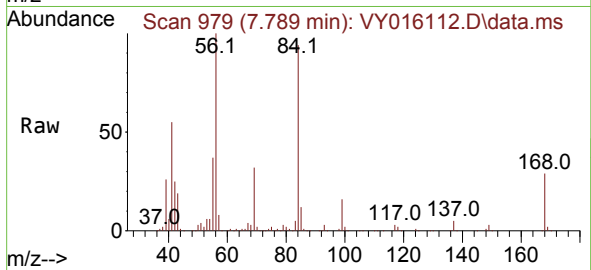
Tgt Ion: 43 Resp: 52290
Ion Ratio Lower Upper
43 100
61 4.4 10.1 15.1#
70 0.5 7.1 10.7#



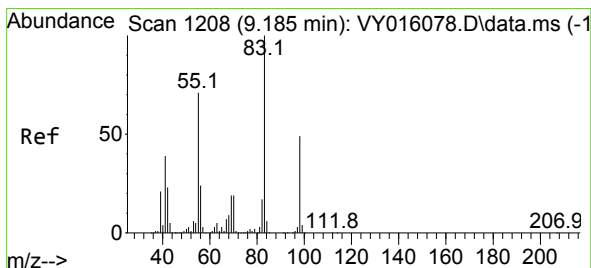
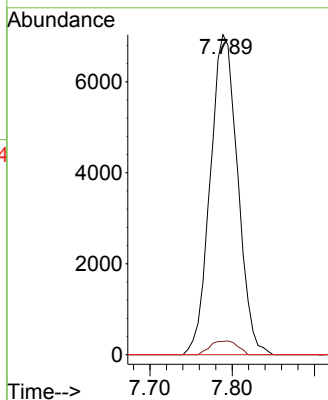
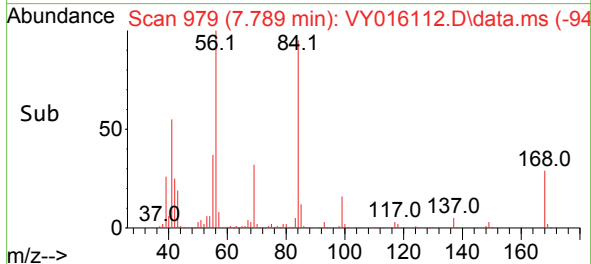


#38
Carbon Tetrachloride
Concen: 6.560 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

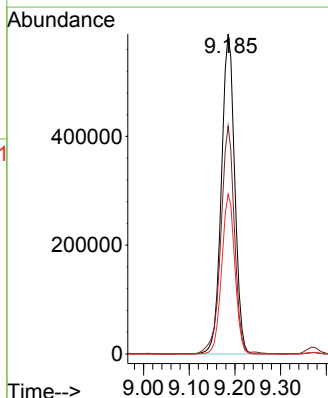
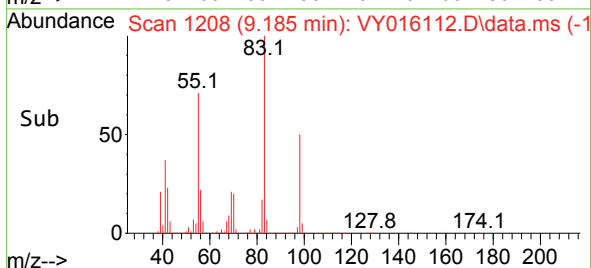
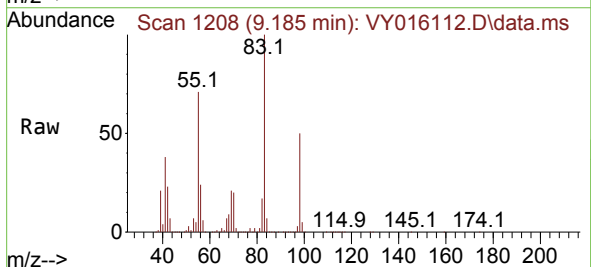


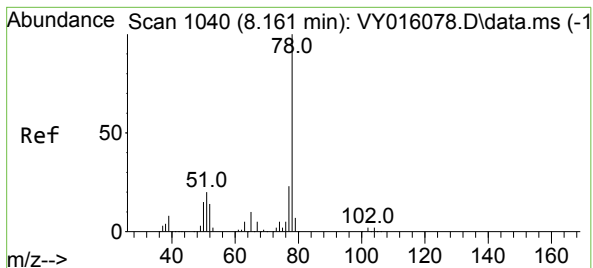
Tgt Ion:117 Resp: 16308
Ion Ratio Lower Upper
117 100
119 4.2 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 415.996 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion: 83 Resp: 1191273
Ion Ratio Lower Upper
83 100
55 71.2 63.0 94.4
98 49.9 37.4 56.2





#40

Benzene

Concen: 2354.934 ug/l

RT: 8.161 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

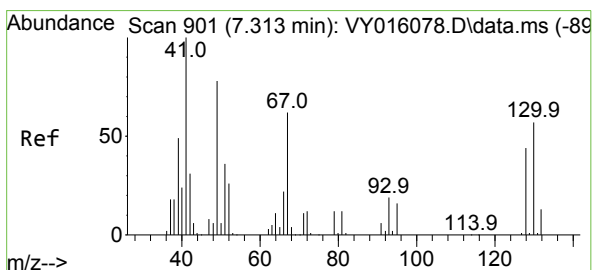
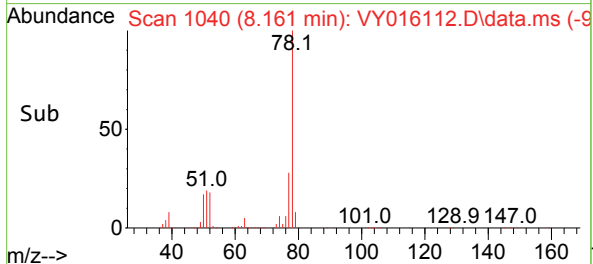
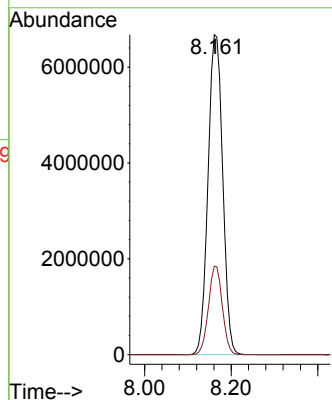
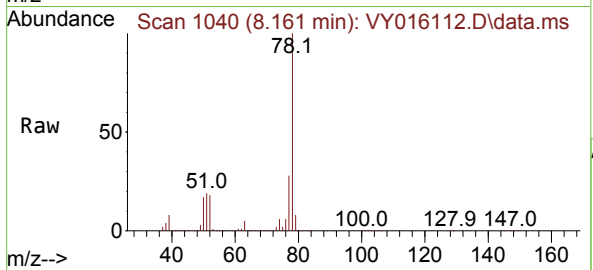
ClientSampleId :

Tgt Ion: 78 Resp:15672544

Ion Ratio Lower Upper

78 100

77 27.7 19.0 28.6



#41

Methacrylonitrile

Concen: 2.791 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.055 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Tgt Ion: 41 Resp: 1760

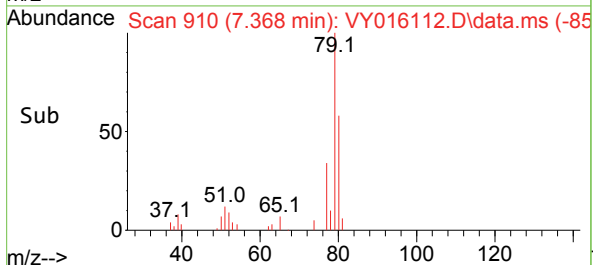
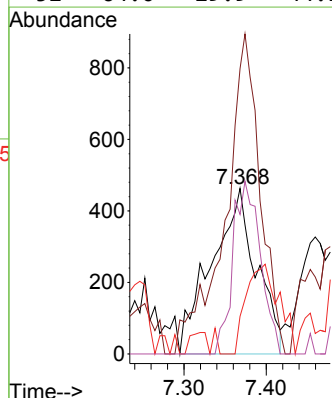
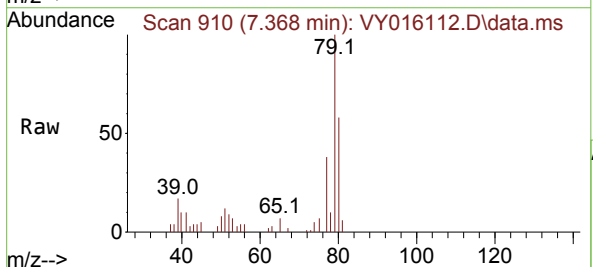
Ion Ratio Lower Upper

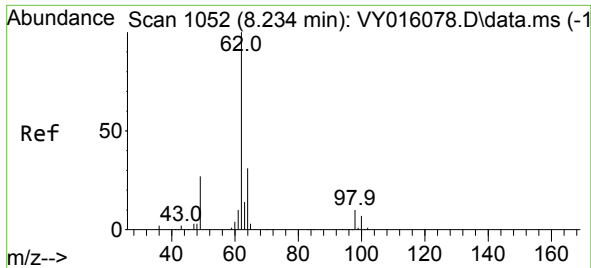
41 100

39 150.7 52.1 78.1#

67 0.0 66.2 99.2#

52 64.0 29.9 44.9#

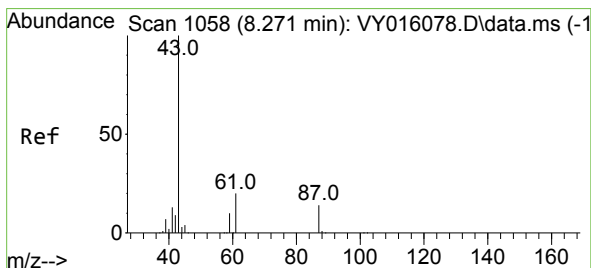
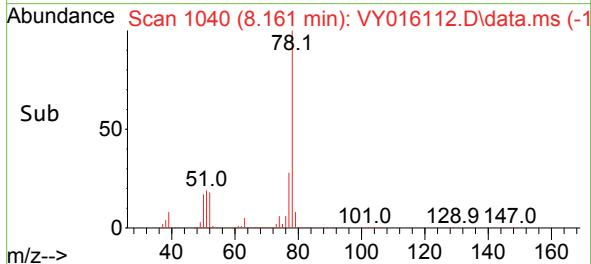
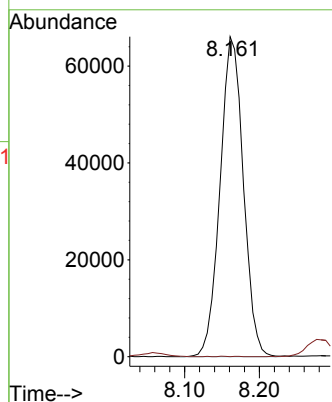
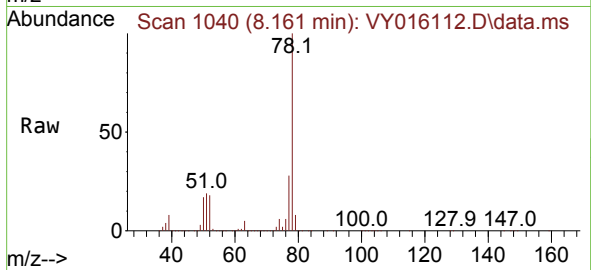




#42
1,2-Dichloroethane
Concen: 74.425 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.073 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

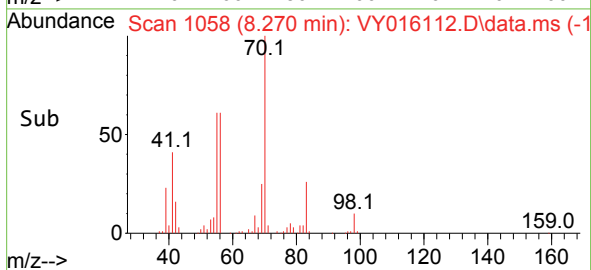
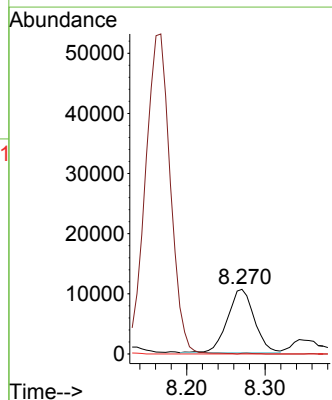
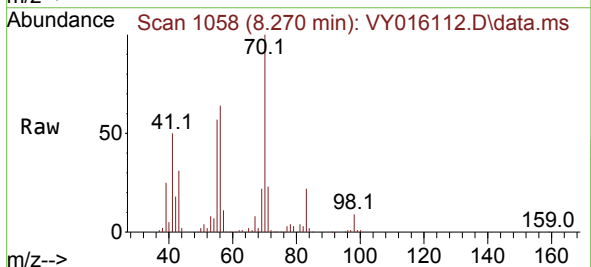
Instrument :
MSVOA_Y
ClientSampleId :

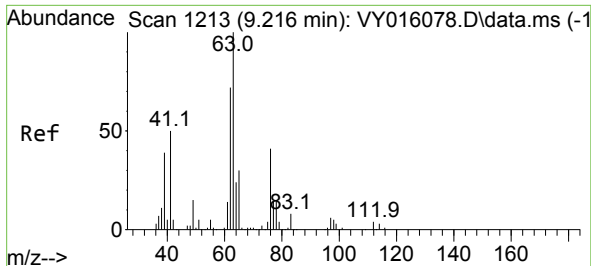
Tgt Ion: 62 Resp: 143120
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8



#43
Isopropyl Acetate
Concen: 11.083 ug/l
RT: 8.270 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion: 43 Resp: 24968
Ion Ratio Lower Upper
43 100
61 0.0 21.1 31.7#
87 0.0 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 6.596 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.031 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

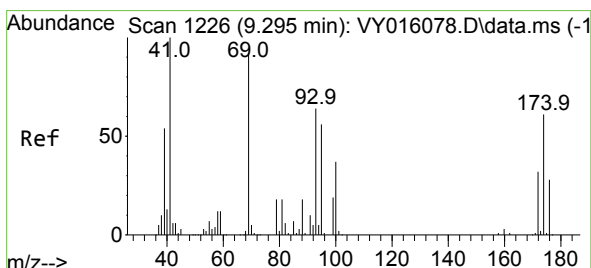
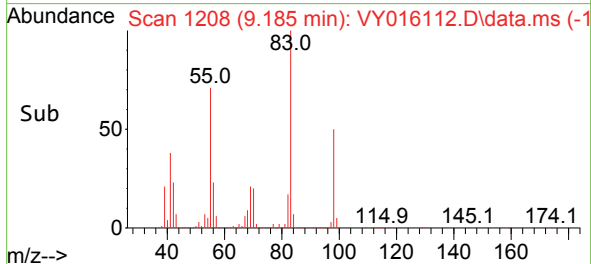
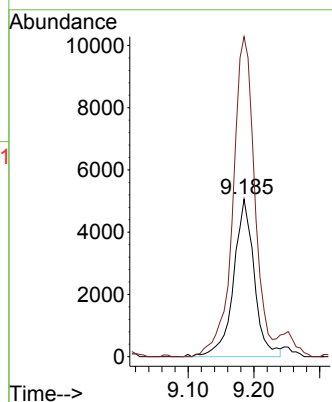
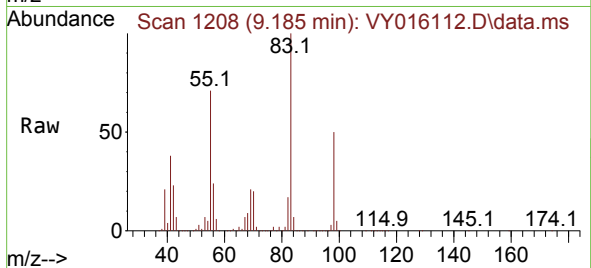
ClientSampleId :

Tgt Ion: 63 Resp: 11111

Ion Ratio Lower Upper

63 100

65 203.3 23.8 35.6#



#48

Methyl methacrylate

Concen: 18.889 ug/l

RT: 9.246 min Scan# 1218

Delta R.T. -0.049 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

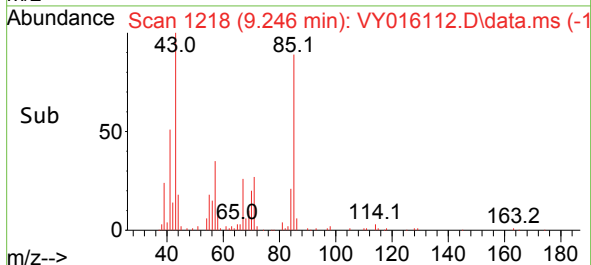
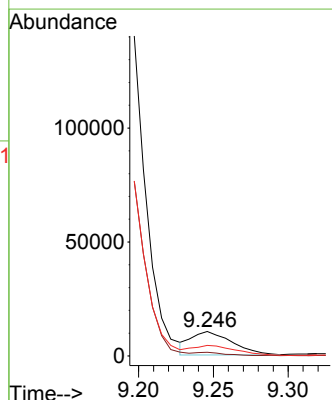
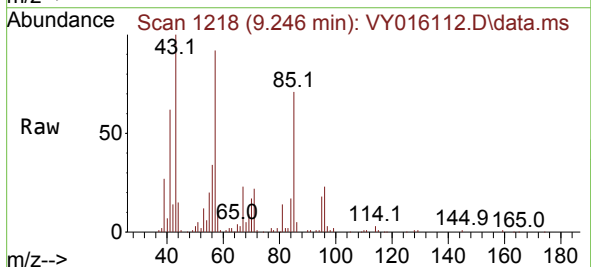
Tgt Ion: 41 Resp: 19604

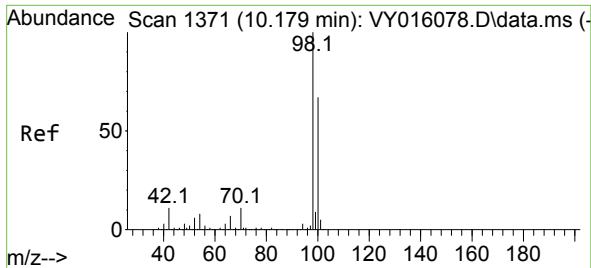
Ion Ratio Lower Upper

41 100

69 0.0 64.5 96.7#

39 40.8 50.8 76.2#

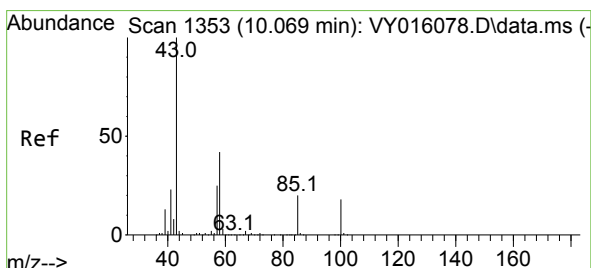
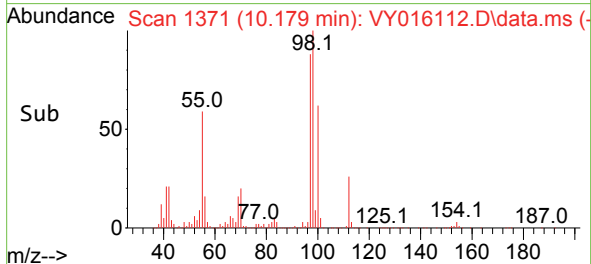
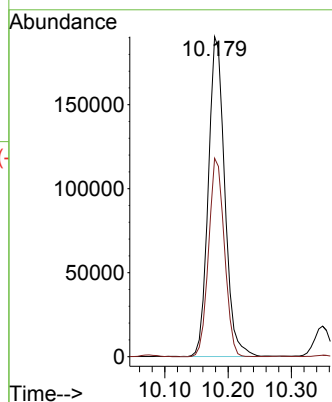
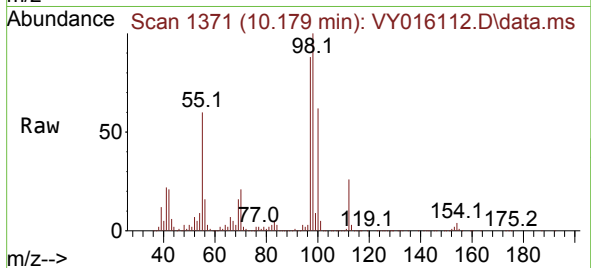




#50
Toluene-d8
Concen: 55.095 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

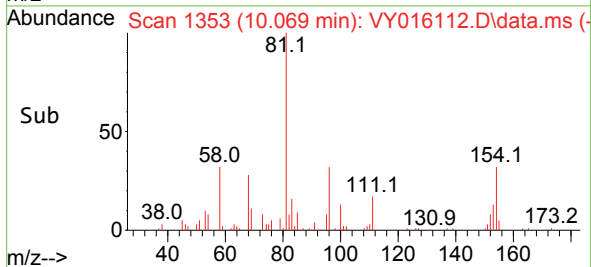
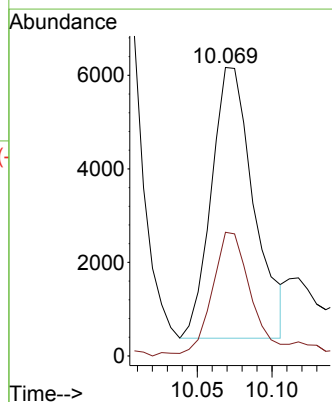
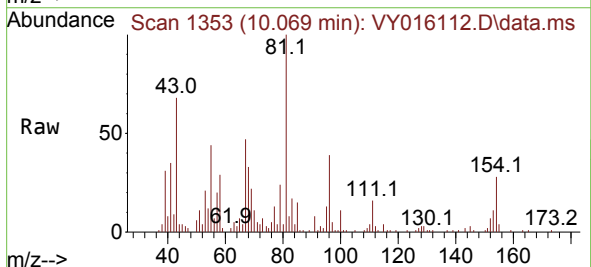
Instrument :
MSVOA_Y
ClientSampleId :

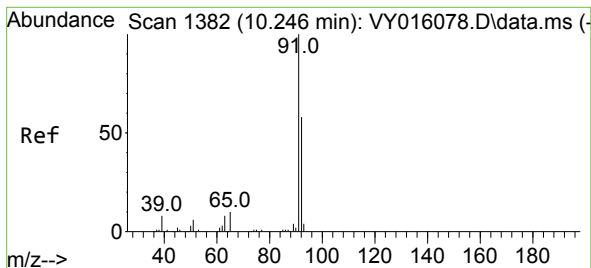
Tgt Ion: 98 Resp: 344153
Ion Ratio Lower Upper
98 100
100 59.5 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 9.602 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion: 43 Resp: 11414
Ion Ratio Lower Upper
43 100
58 42.5 29.0 43.6





#52

Toluene

Concen: 3039.065 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

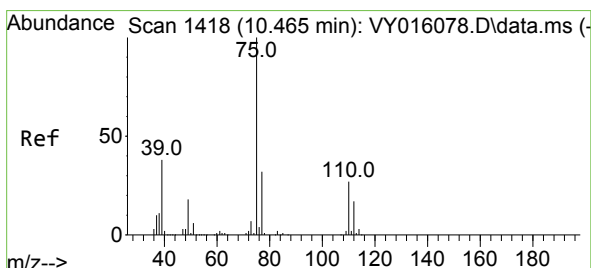
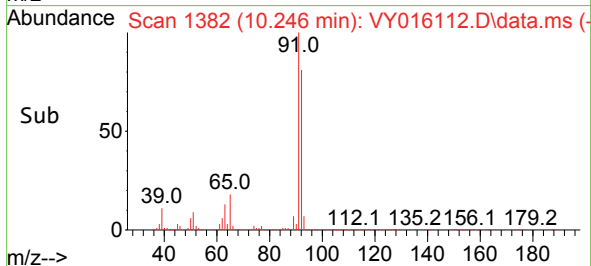
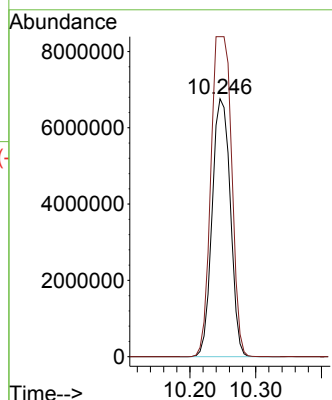
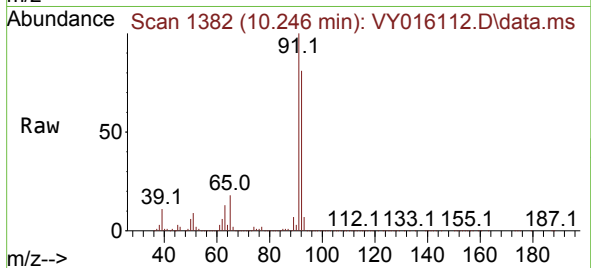
ClientSampleId :

Tgt Ion: 92 Resp:12987724

Ion Ratio Lower Upper

92 100

91 141.4 143.8 215.6#



#53

t-1,3-Dichloropropene

Concen: 70.287 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.220 min

Lab File: VY016112.D

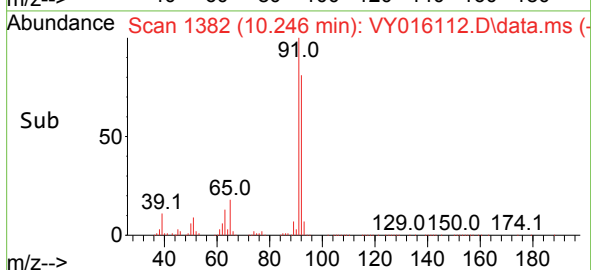
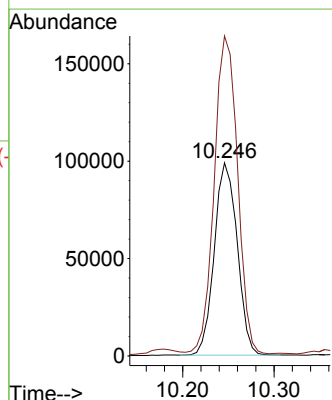
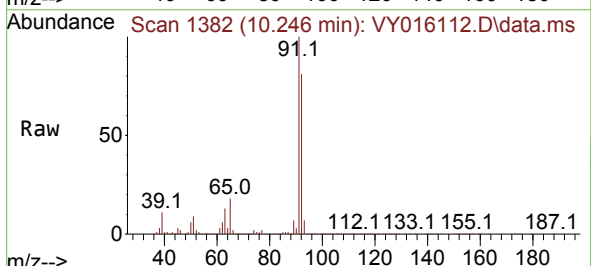
Acq: 27 Oct 2023 18:30

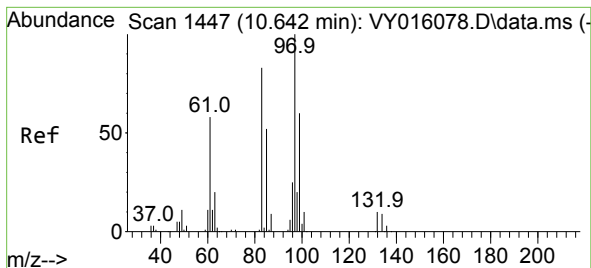
Tgt Ion: 75 Resp: 171676

Ion Ratio Lower Upper

75 100

77 165.1 25.0 37.4#





#55

1,1,2-Trichloroethane

Concen: 59.996 ug/l

RT: 10.618 min Scan# 1443

Delta R.T. -0.025 min

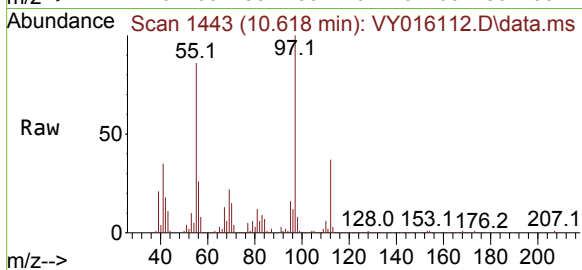
Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 97 Resp: 84189

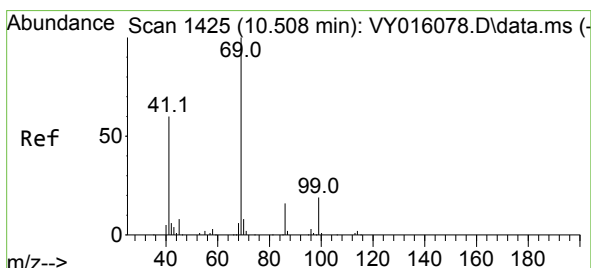
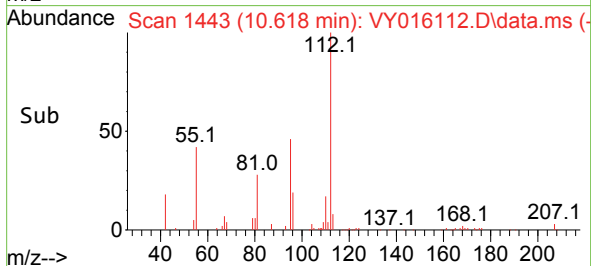
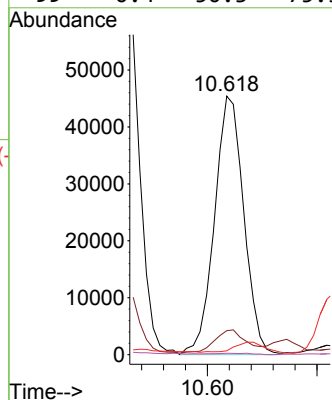
Ion Ratio Lower Upper

97 100

83 8.7 72.0 108.0#

85 0.5 45.4 68.0#

99 0.4 50.3 75.5#



#56

Ethyl methacrylate

Concen: 26.220 ug/l

RT: 10.526 min Scan# 1428

Delta R.T. 0.018 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

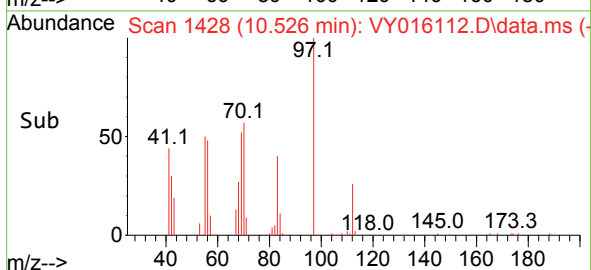
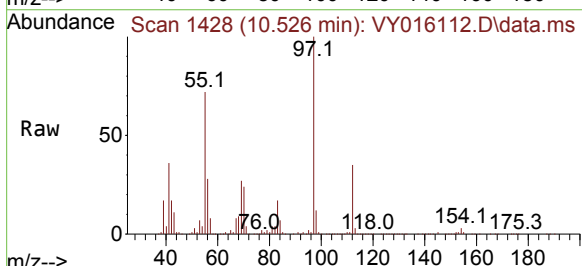
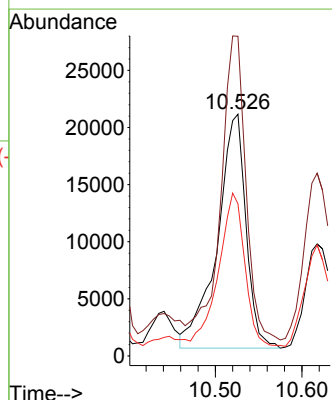
Tgt Ion: 69 Resp: 47285

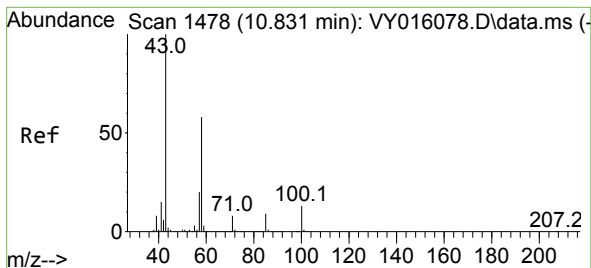
Ion Ratio Lower Upper

69 100

41 112.6 57.6 86.4#

39 0.0 34.1 51.1#

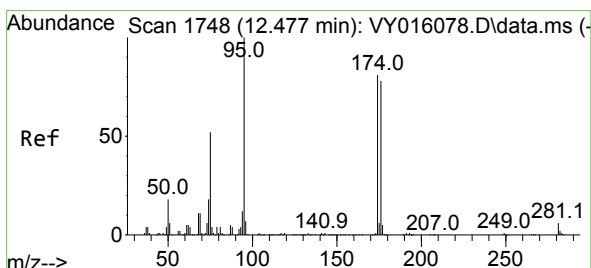
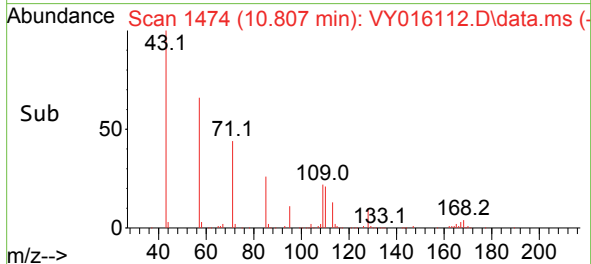
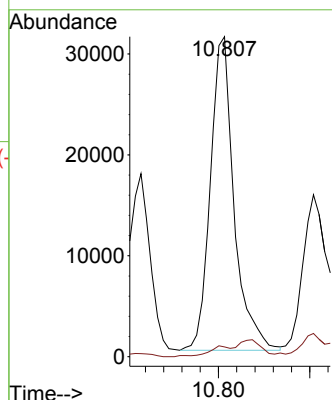
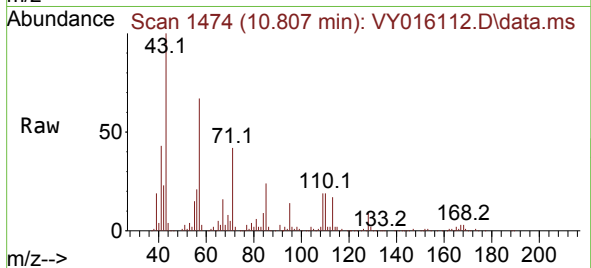




#59
2-Hexanone
Concen: 63.986 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.025 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

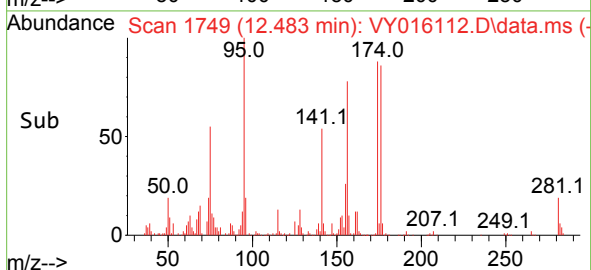
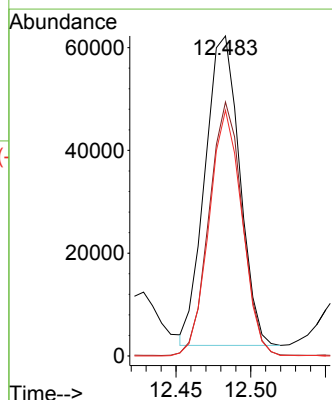
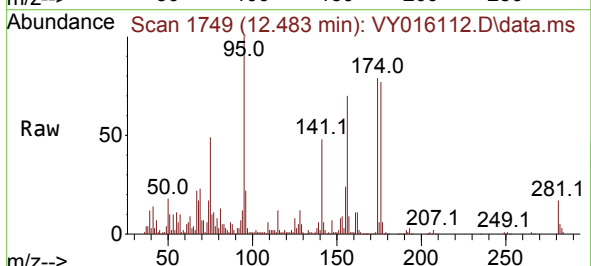
Instrument :
MSVOA_Y
ClientSampleId :

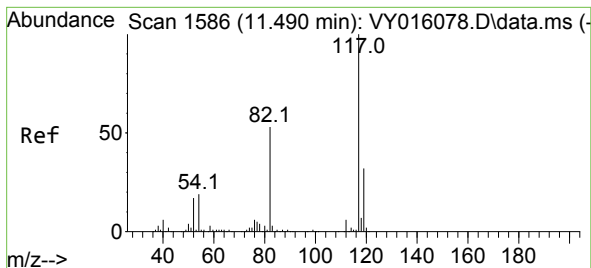
Tgt Ion: 43 Resp: 56028
Ion Ratio Lower Upper
43 100
58 3.1 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 45.326 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion: 95 Resp: 97120
Ion Ratio Lower Upper
95 100
174 78.7 0.0 178.2
176 75.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :

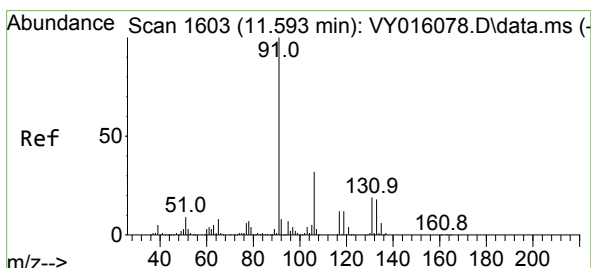
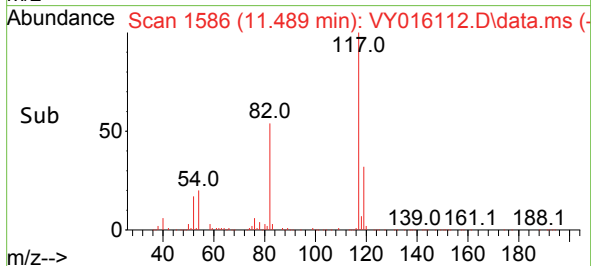
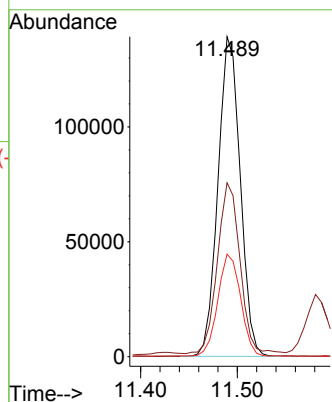
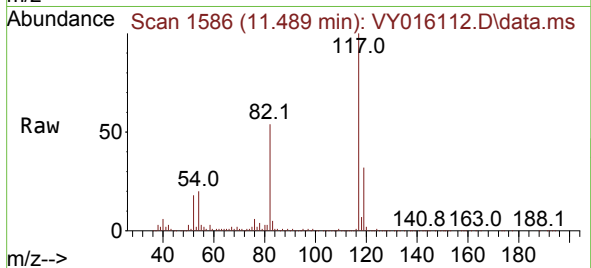
Tgt Ion:117 Resp: 221913

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 31.8 26.3 39.5



#67

Ethyl Benzene

Concen: 495.270 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY016112.D

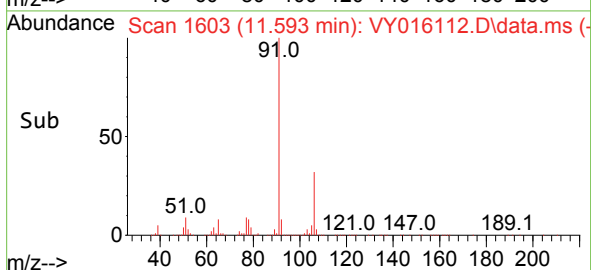
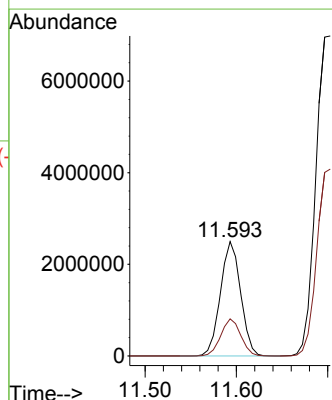
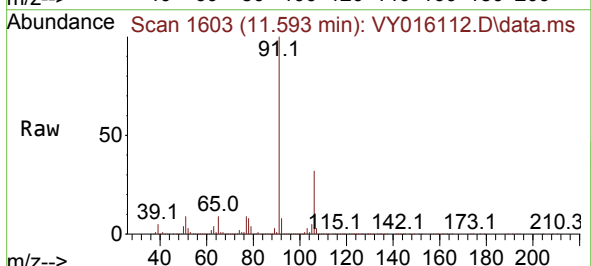
Acq: 27 Oct 2023 18:30

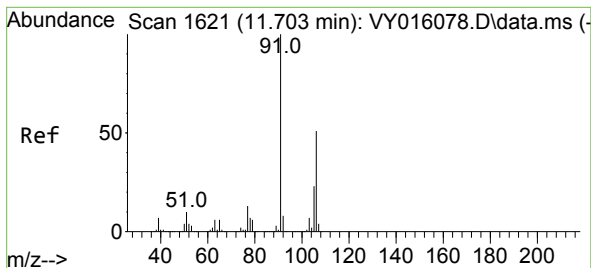
Tgt Ion: 91 Resp: 3836325

Ion Ratio Lower Upper

91 100

106 32.4 24.6 36.8

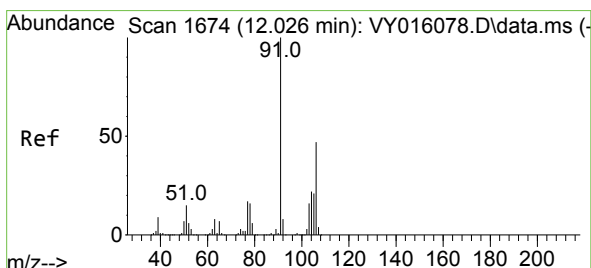
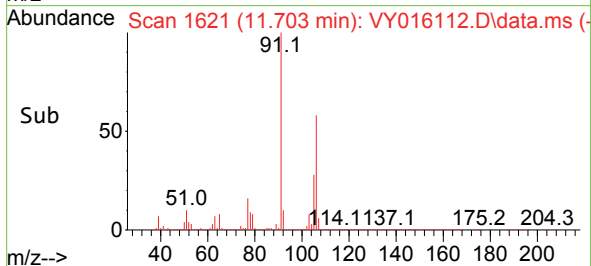
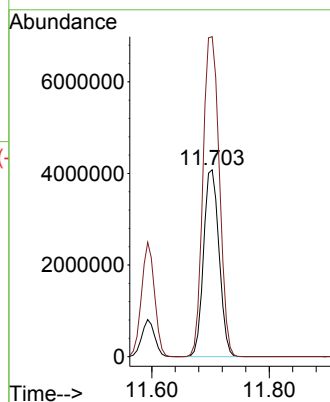
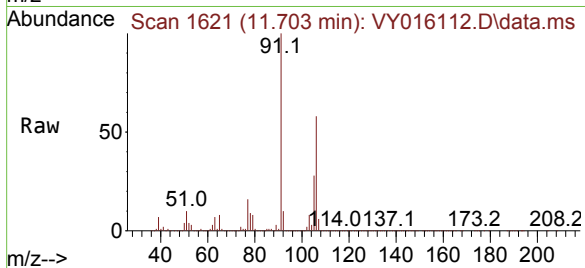




#68
m/p-Xylenes
Concen: 2491.055 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

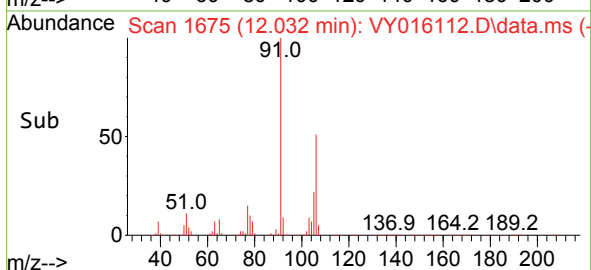
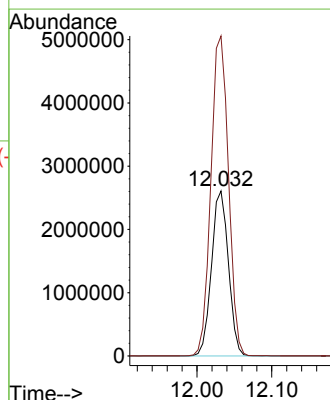
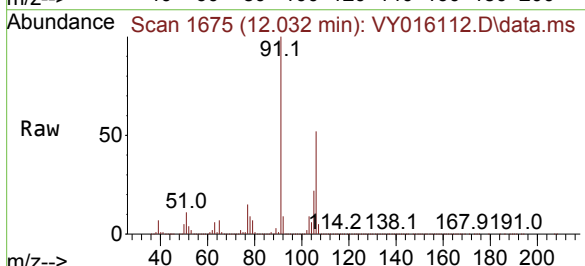
Instrument :
MSVOA_Y
ClientSampleId :

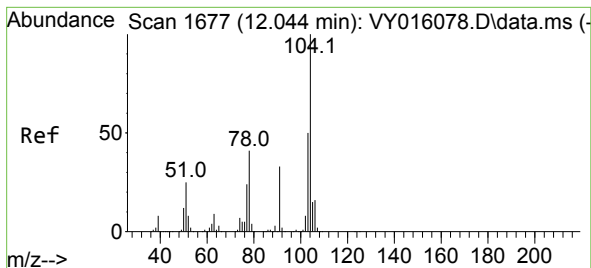
Tgt Ion:106 Resp: 7467188
Ion Ratio Lower Upper
106 100
91 181.2 166.1 249.1



#69
o-Xylene
Concen: 1426.153 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion:106 Resp: 4092714
Ion Ratio Lower Upper
106 100
91 201.4 108.1 324.3





#70

Styrene

Concen: 180.798 ug/l

RT: 12.044 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :

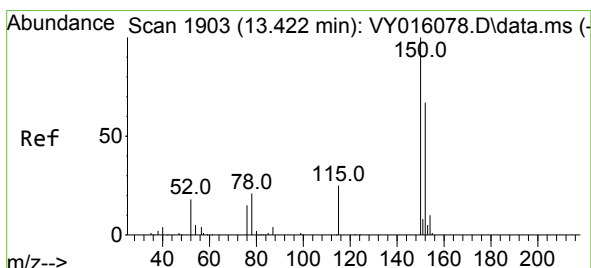
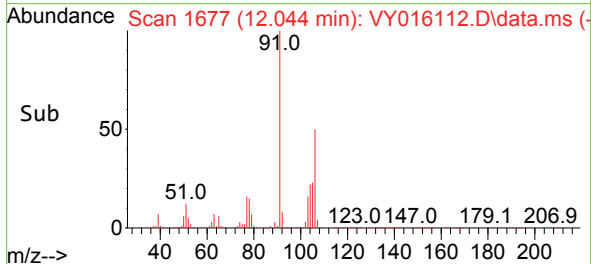
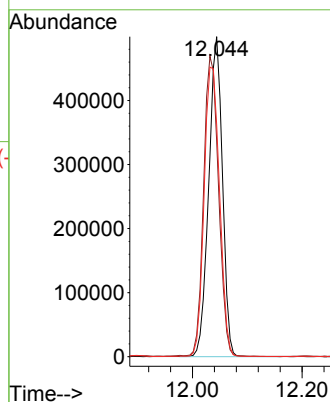
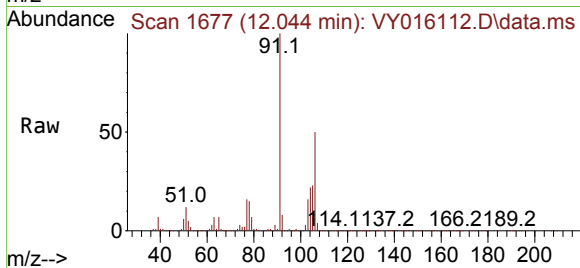
Tgt Ion:104 Resp: 864875

Ion Ratio Lower Upper

104 100

78 102.4 41.5 62.3#

103 101.7 44.6 67.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

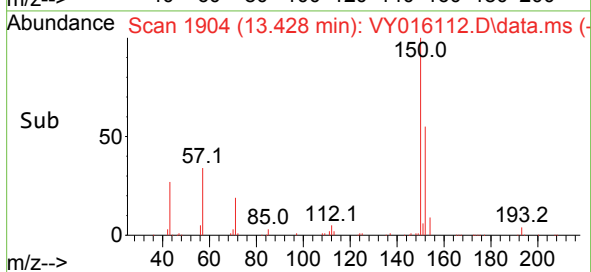
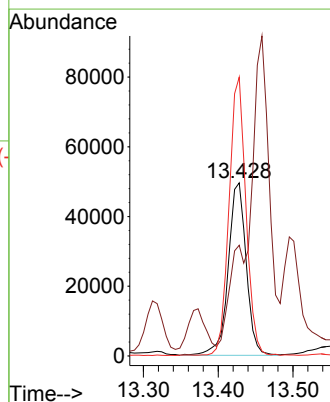
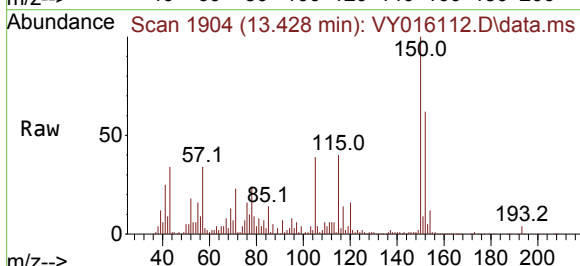
Tgt Ion:152 Resp: 83139

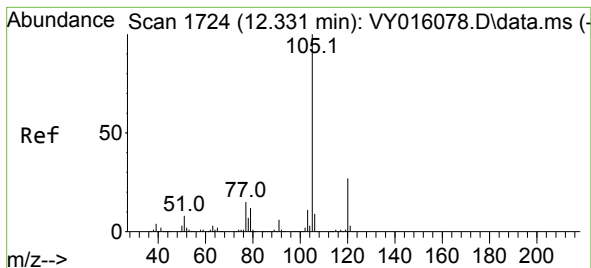
Ion Ratio Lower Upper

152 100

115 0.0 28.8 86.5#

150 150.4 0.0 348.8





#73

Isopropylbenzene

Concen: 72.479 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

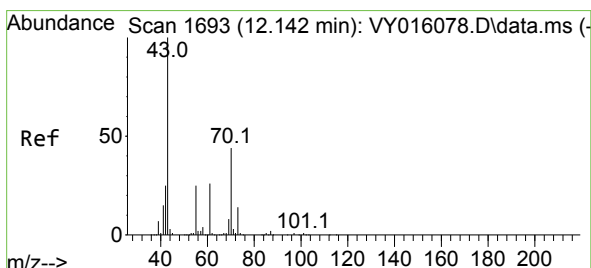
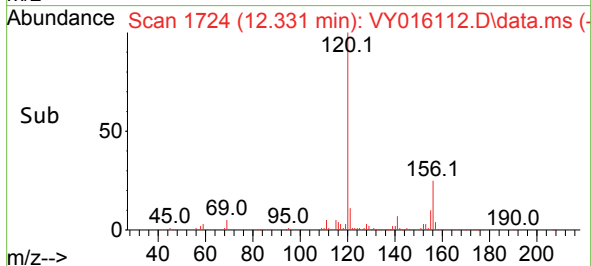
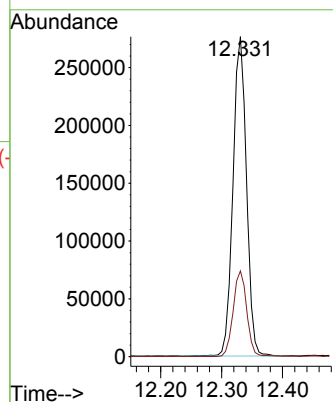
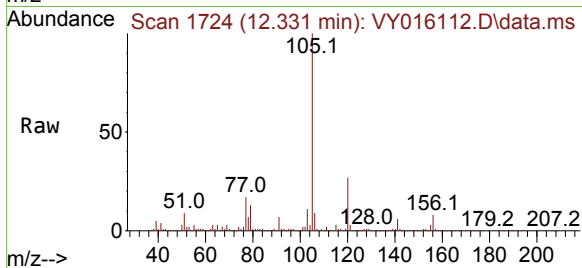
ClientSampleId :

Tgt Ion:105 Resp: 424077

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.9



#74

N-ethyl acetate

Concen: 20.274 ug/l

RT: 12.123 min Scan# 1690

Delta R.T. -0.018 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Tgt Ion: 43 Resp: 28924

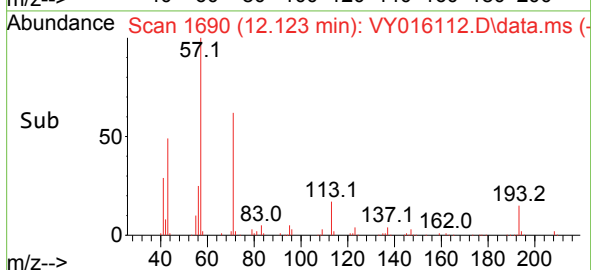
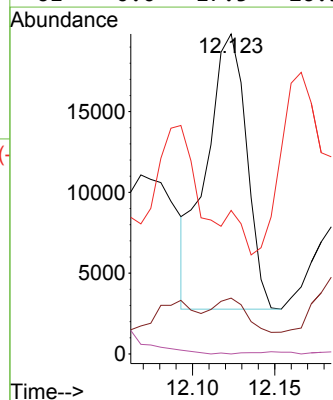
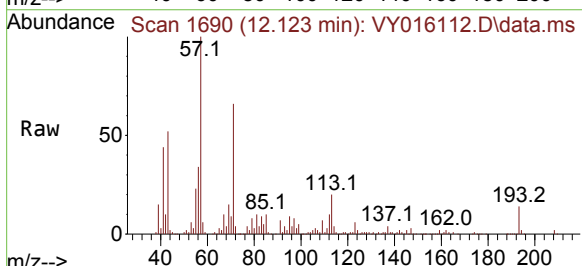
Ion Ratio Lower Upper

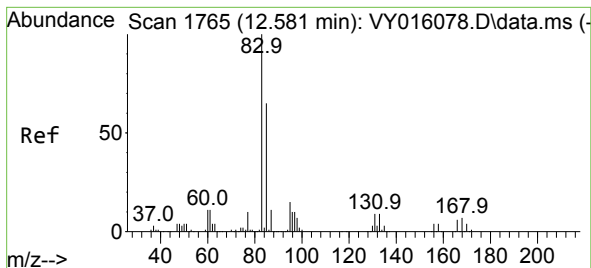
43 100

70 10.3 29.7 44.5#

55 0.0 18.3 27.5#

61 0.0 17.5 26.3#

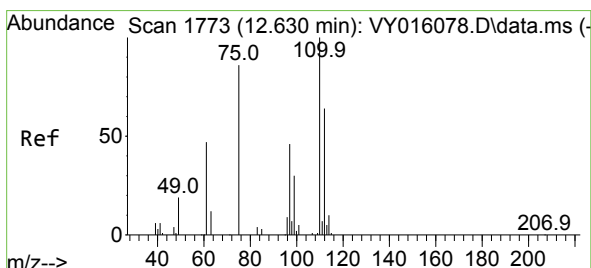
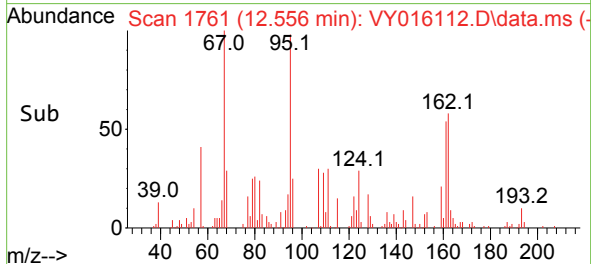
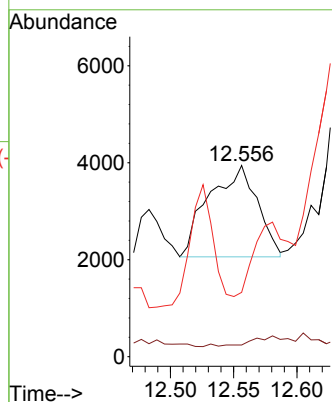
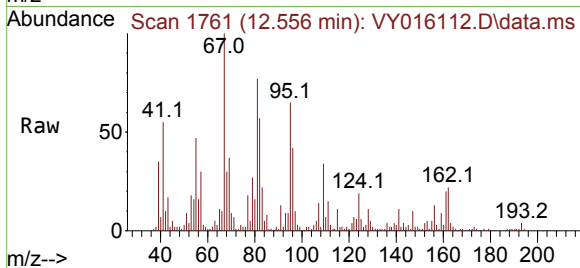




#75
 1,1,2,2-Tetrachloroethane
 Concen: 4.185 ug/l
 RT: 12.556 min Scan# 1761
 Delta R.T. -0.025 min
 Lab File: VY016112.D
 Acq: 27 Oct 2023 18:30

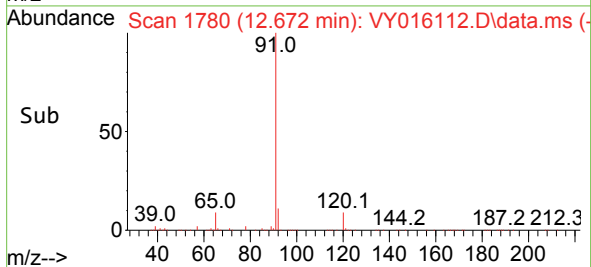
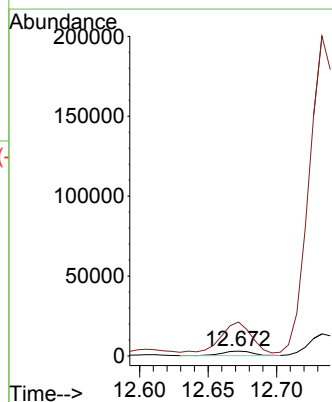
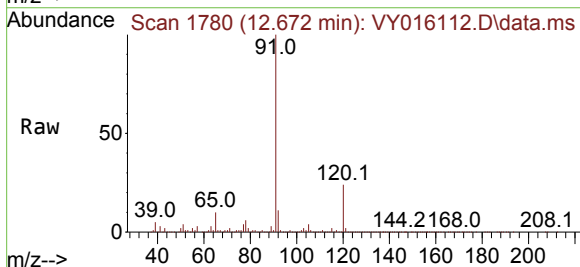
Instrument :
 MSVOA_Y
 ClientSampleId :

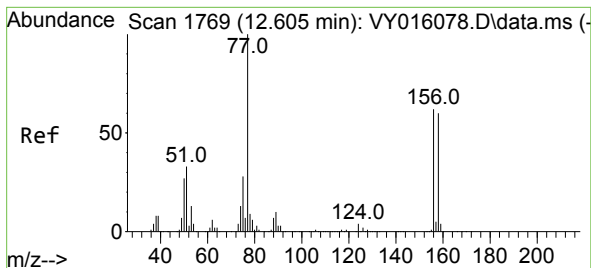
Tgt Ion: 83 Resp: 5005
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.4 16.2#
 85 0.0 31.8 95.4#



#76
 1,2,3-Trichloropropane
 Concen: 5.265 ug/l
 RT: 12.672 min Scan# 1780
 Delta R.T. 0.043 min
 Lab File: VY016112.D
 Acq: 27 Oct 2023 18:30

Tgt Ion: 75 Resp: 4469
 Ion Ratio Lower Upper
 75 100
 77 651.8 0.0 0.0#





#77

Bromobenzene

Concen: 465.695 ug/l

RT: 12.404 min Scan# 1769

Delta R.T. -0.201 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :

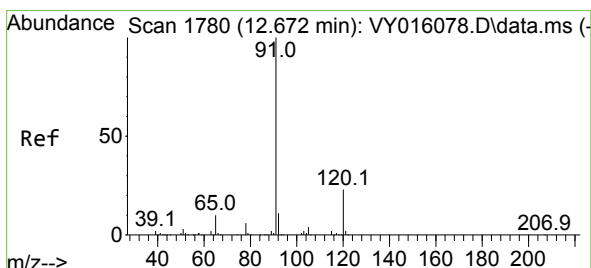
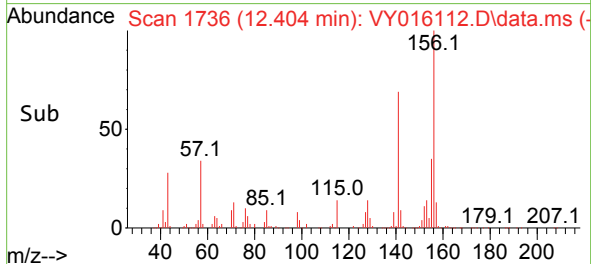
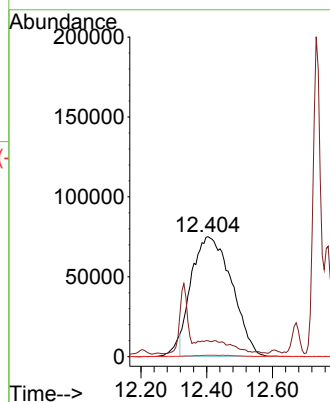
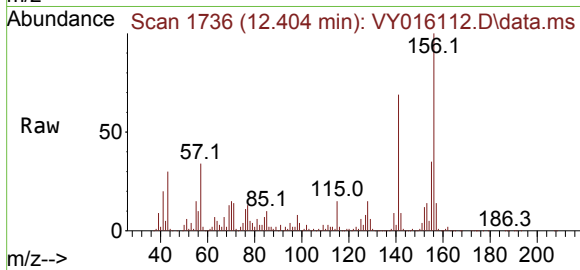
Tgt Ion:156 Resp: 635921

Ion Ratio Lower Upper

156 100

77 0.0 92.8 278.6#

158 0.2 48.4 145.3#



#78

n-propylbenzene

Concen: 104.806 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY016112.D

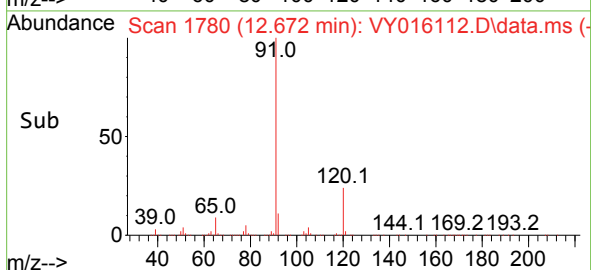
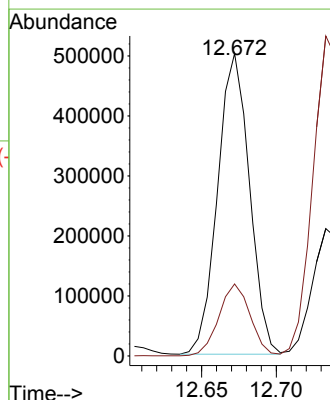
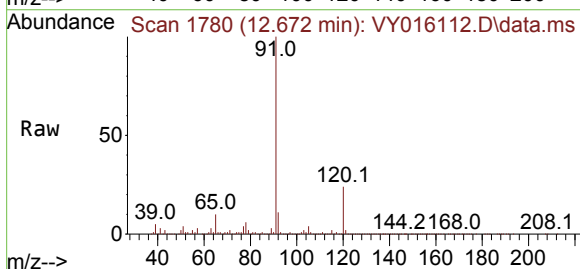
Acq: 27 Oct 2023 18:30

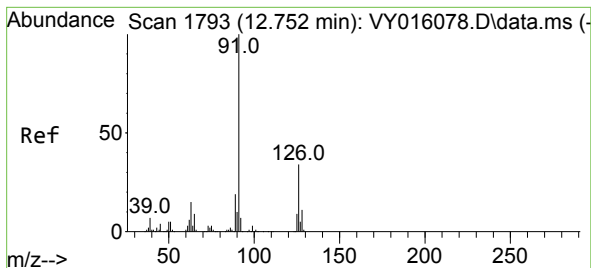
Tgt Ion: 91 Resp: 742496

Ion Ratio Lower Upper

91 100

120 23.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 80.952 ug/l

RT: 12.733 min Scan# 1790

Delta R.T. -0.018 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

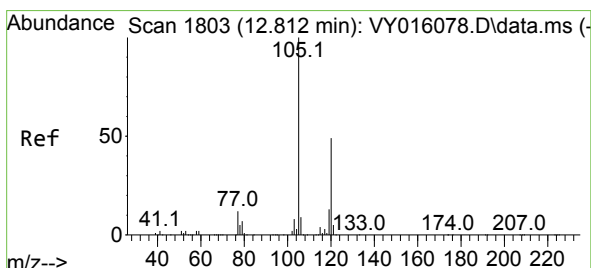
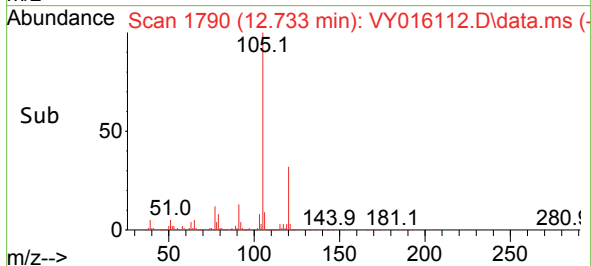
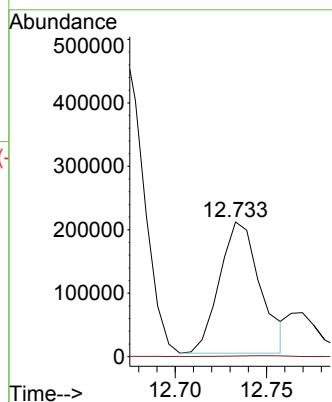
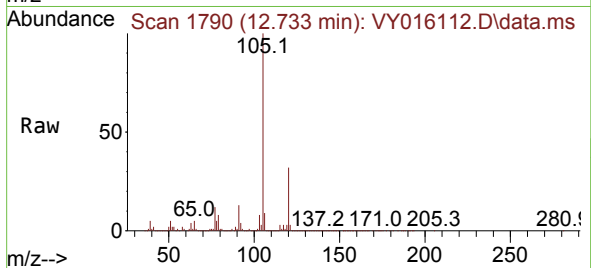
ClientSampleId :

Tgt Ion: 91 Resp: 321194

Ion Ratio Lower Upper

91 100

126 0.9 17.3 51.7#



#80

1,3,5-Trimethylbenzene

Concen: 619.385 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY016112.D

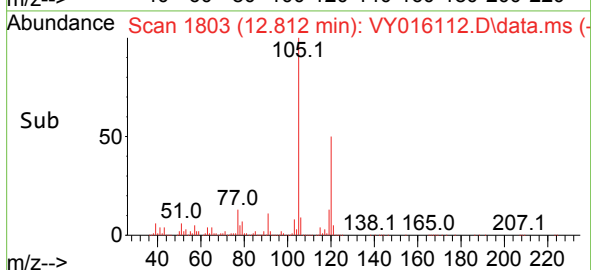
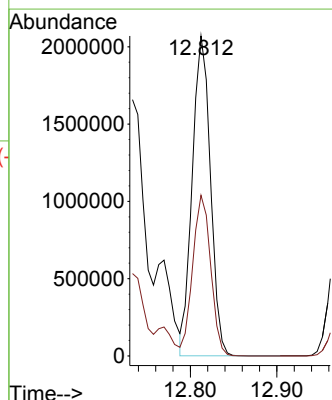
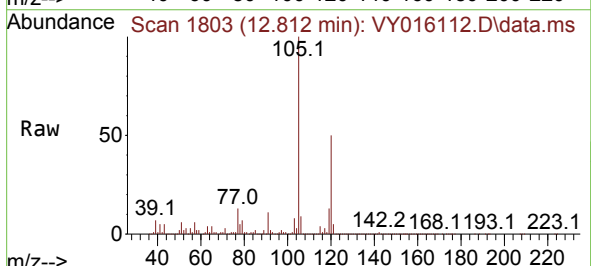
Acq: 27 Oct 2023 18:30

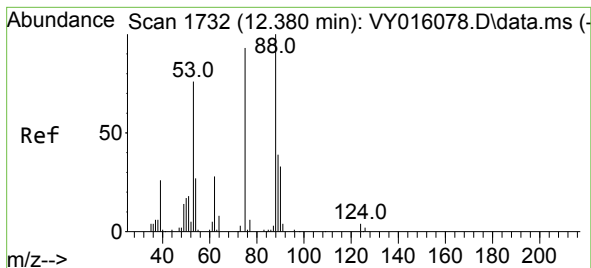
Tgt Ion: 105 Resp: 3008862

Ion Ratio Lower Upper

105 100

120 50.0 23.9 71.7

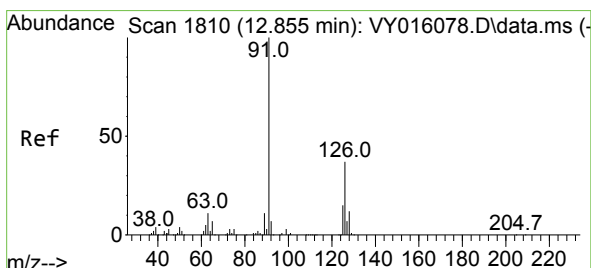
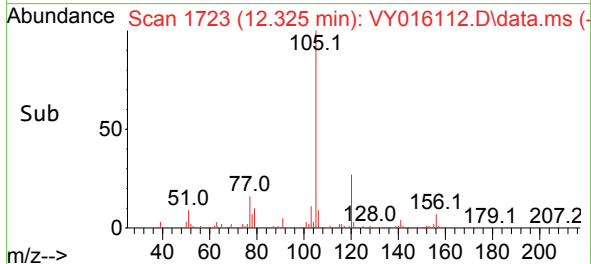
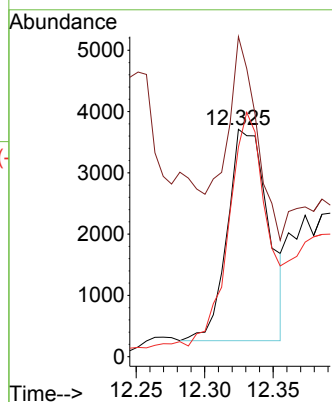
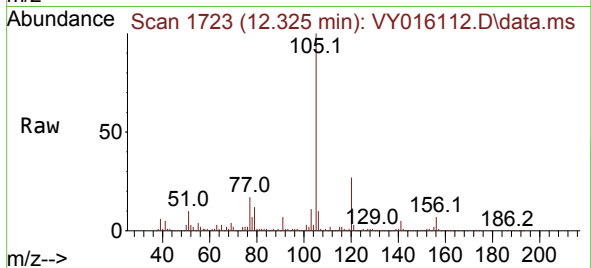




#81
trans-1,4-Dichloro-2-butene
Concen: 18.308 ug/l
RT: 12.325 min Scan# 11
Delta R.T. -0.055 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

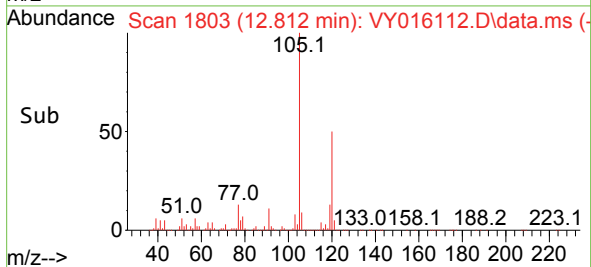
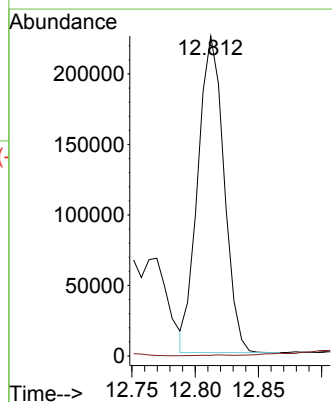
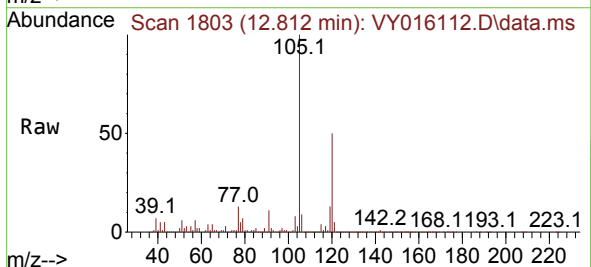
Instrument :
MSVOA_Y
ClientSampleId :

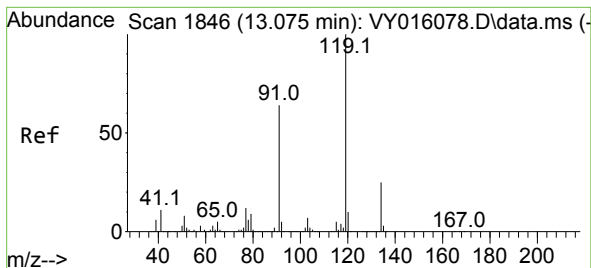
Tgt Ion: 75 Resp: 7151
Ion Ratio Lower Upper
75 100
53 70.3 77.8 116.8#
89 121.1 37.4 56.0#



#82
4-Chlorotoluene
Concen: 78.510 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.043 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion: 91 Resp: 323049
Ion Ratio Lower Upper
91 100
126 0.2 17.2 51.6#





#83

tert-Butylbenzene

Concen: 9.779 ug/l

RT: 13.074 min Scan# 1846

Delta R.T. -0.000 min

Lab File: VY016112.D

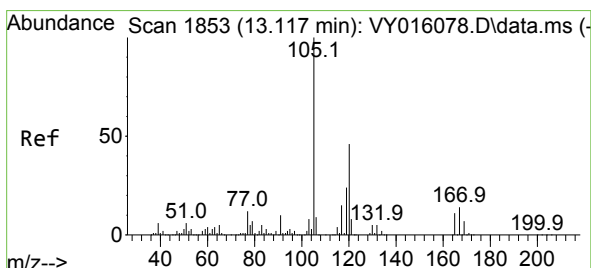
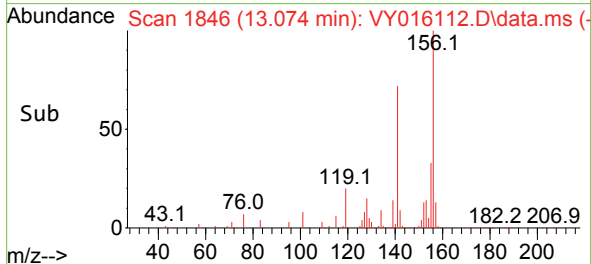
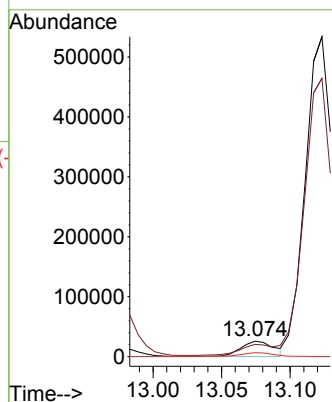
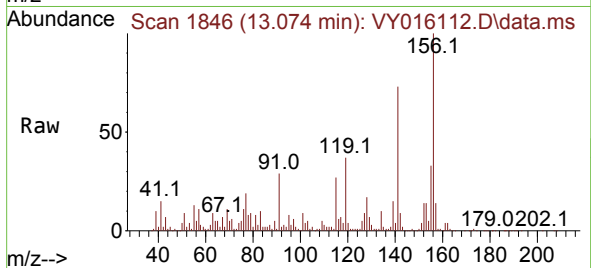
Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:119	Resp:	42224
Ion	Ratio	Lower Upper
119	100	
91	69.6	32.9 98.6
134	27.1	13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 1262.535 ug/l

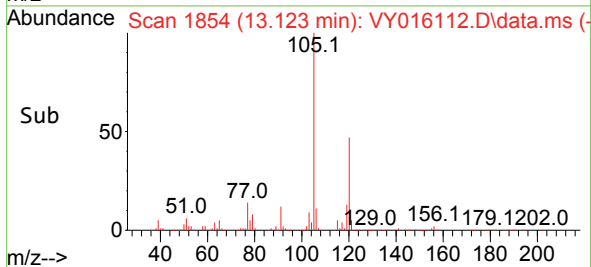
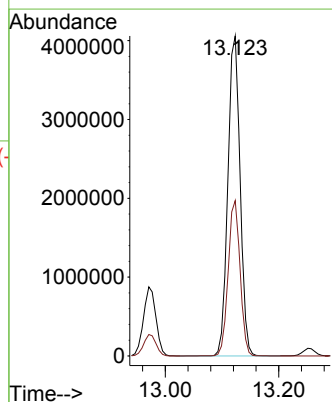
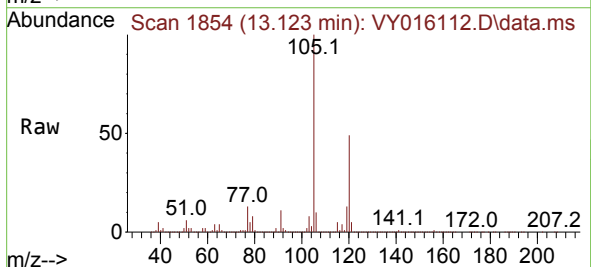
RT: 13.123 min Scan# 1854

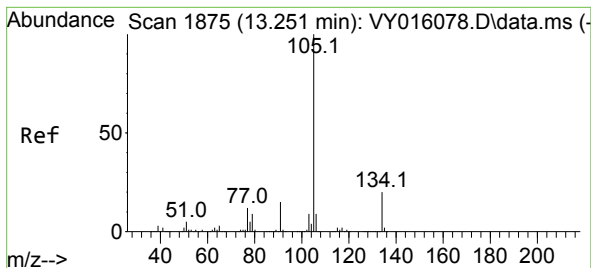
Delta R.T. 0.006 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Tgt Ion:105	Resp:	6057300
Ion	Ratio	Lower Upper
105	100	
120	47.4	22.2 66.6





#85

sec-Butylbenzene

Concen: 941.847 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.128 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

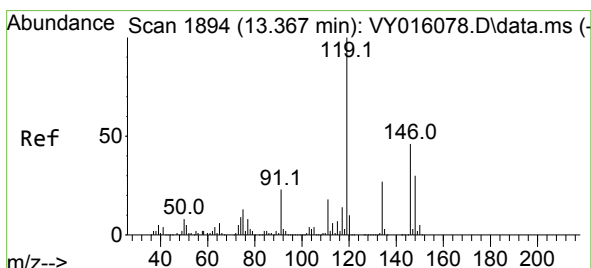
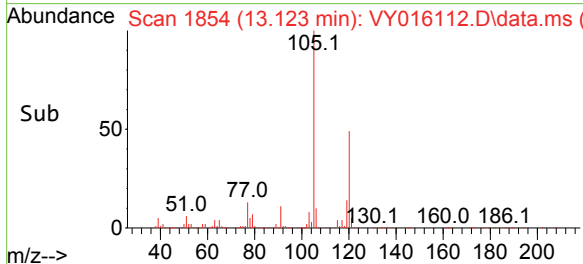
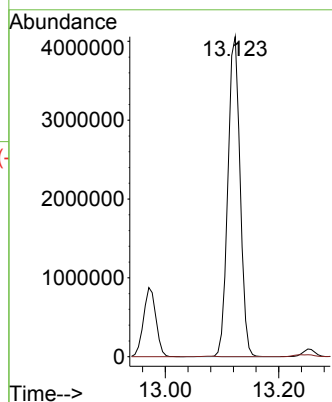
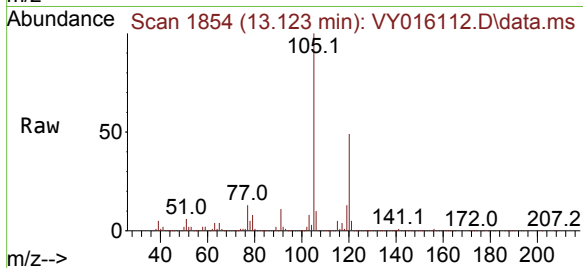
ClientSampleId :

Tgt Ion:105 Resp: 6057300

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 35.821 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

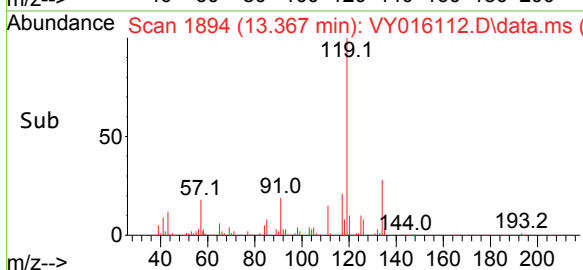
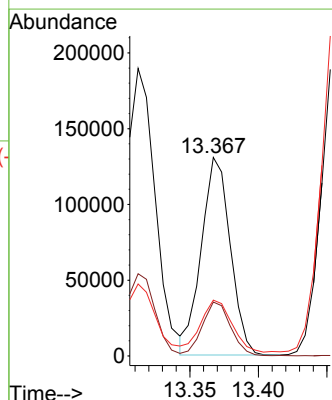
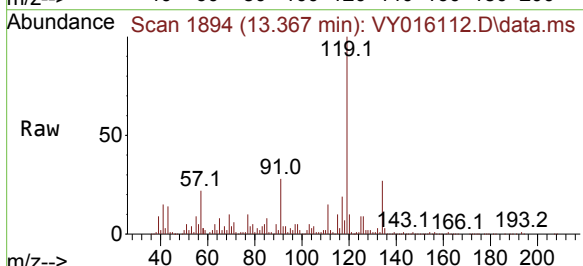
Tgt Ion:119 Resp: 192234

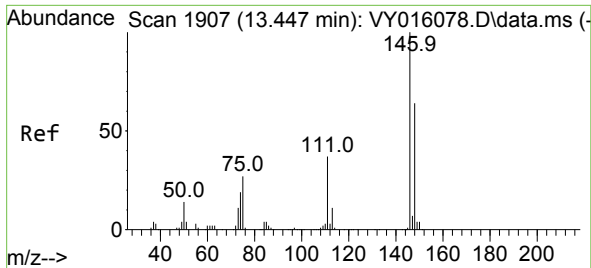
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 27.5 12.4 37.4

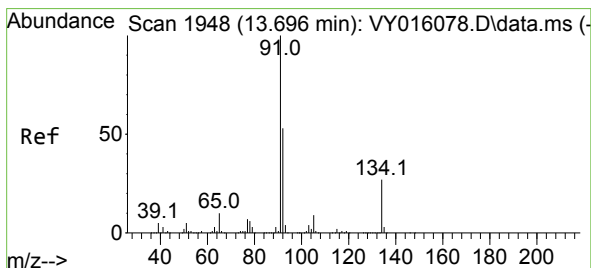
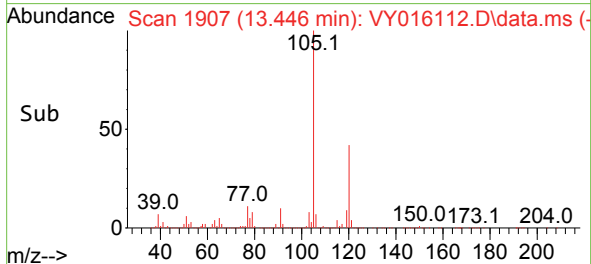
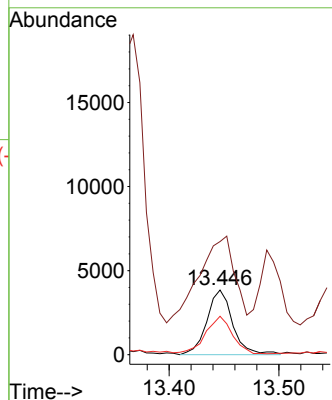
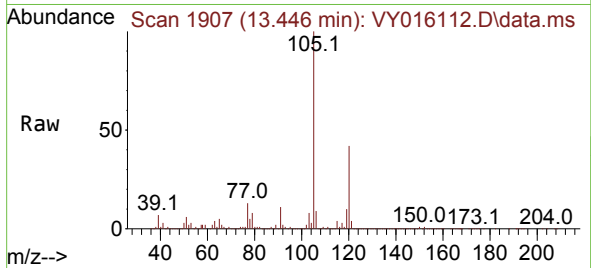




#88
1,4-Dichlorobenzene
Concen: 2.310 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

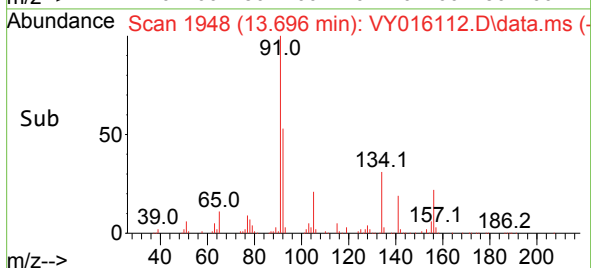
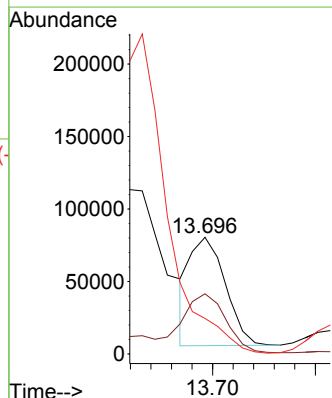
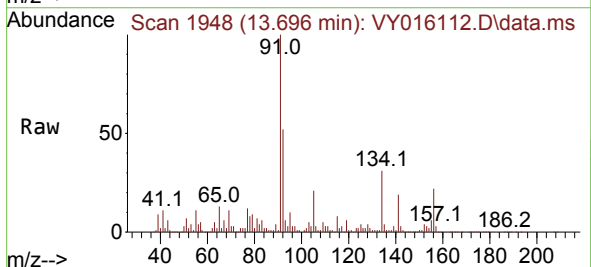
Instrument :
MSVOA_Y
ClientSampleId :

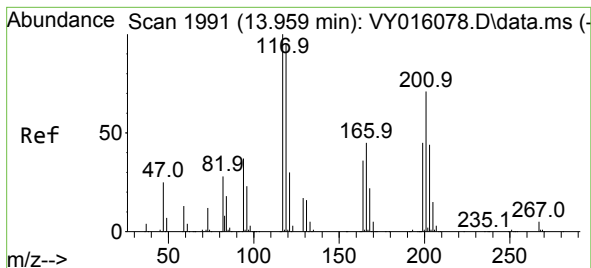
Tgt Ion:146 Resp: 6295
Ion Ratio Lower Upper
146 100
111 183.9 18.9 56.7#
148 59.4 32.1 96.5



#89
n-Butylbenzene
Concen: 17.876 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY016112.D
Acq: 27 Oct 2023 18:30

Tgt Ion: 91 Resp: 89490
Ion Ratio Lower Upper
91 100
92 83.7 25.4 76.0#
134 0.0 12.6 37.6#





#90

Hexachloroethane

Concen: 58.530 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

Instrument :

MSVOA_Y

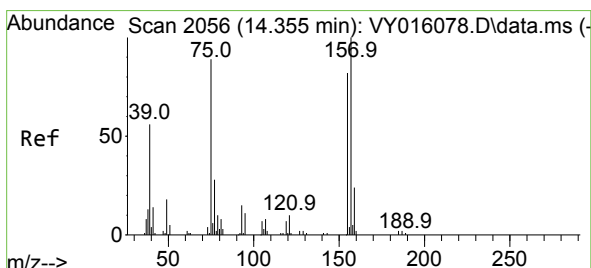
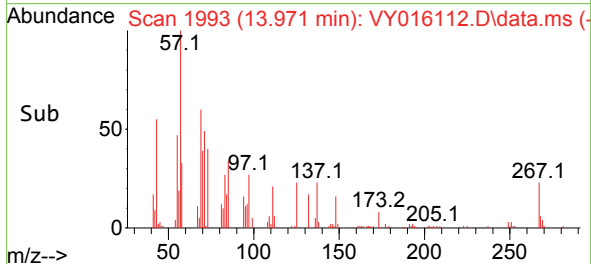
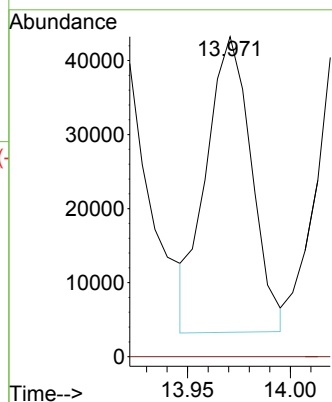
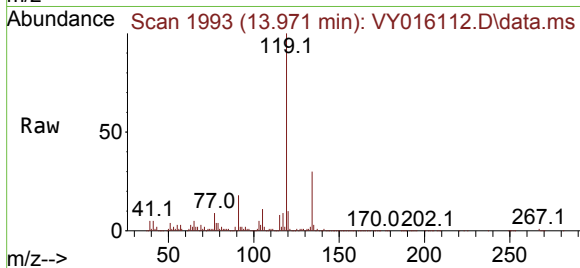
ClientSampleId :

Tgt Ion:117 Resp: 61152

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 29.376 ug/l

RT: 14.336 min Scan# 2053

Delta R.T. -0.018 min

Lab File: VY016112.D

Acq: 27 Oct 2023 18:30

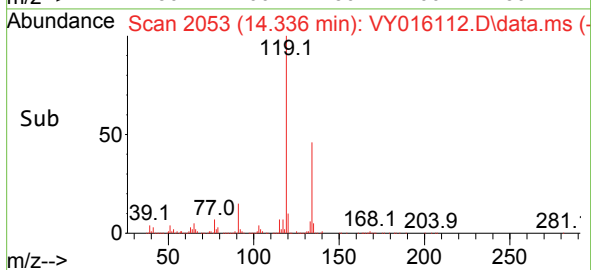
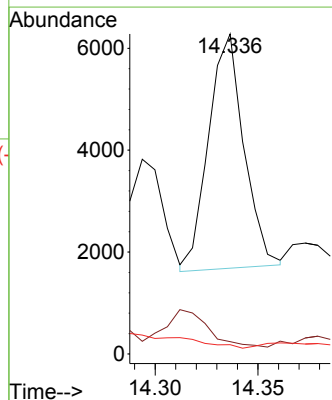
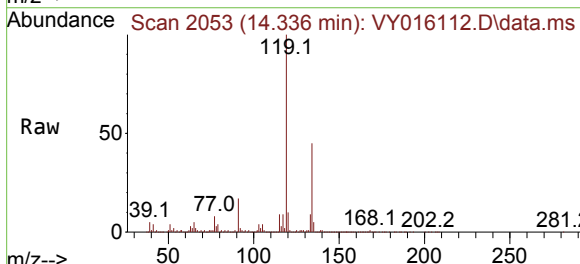
Tgt Ion: 75 Resp: 5516

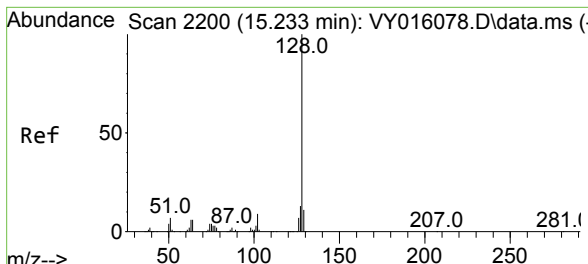
Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

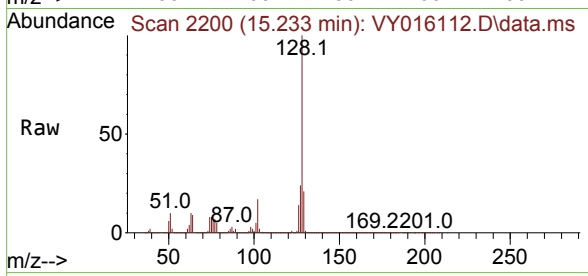
157 0.0 51.8 155.5#





#95
 Naphthalene
 Concen: 6860.874 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY016112.D
 Acq: 27 Oct 2023 18:30

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:128 Resp:20209023

Ion	Ratio	Lower	Upper
128	100		
127	20.2	10.8	16.2#
129	18.0	8.6	13.0#

