

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016119.D
 Acq On : 27 Oct 2023 21:14
 Operator : SY/MD
 Sample : 05107-11
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 06:15:45 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	7.795	168	185410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	291104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	209417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76349	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	101720	55.173	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.340%	
35) Dibromofluoromethane	7.728	113	89800	48.865	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.720%	
50) Toluene-d8	10.185	98	411115	60.394	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 120.780%	
62) 4-Bromofluorobenzene	12.483	95	104759	44.864	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.720%	

Target Compounds			Qvalue			
3) Chloromethane	2.113	50	2197	1.401	ug/l	95
11) Tert butyl alcohol	4.972	59	5196	Below Cal	#	89
13) Acrolein	3.704	56	3825	16.658	ug/l #	1
14) Allyl chloride	4.594	41	5752	2.322	ug/l #	34
15) Acrylonitrile	5.247	53	13242	28.095	ug/l #	43
16) Acetone	3.954	43	134511	269.176	ug/l	91
17) Carbon Disulfide	4.204	76	10805	2.465	ug/l #	95
20) Methylene Chloride	4.722	84	25595	8.289	ug/l #	85
25) 2-Butanone	6.996	43	53886	79.897	ug/l	91
26) 2,2-Dichloropropane	6.984	77	4010	1.322	ug/l #	54
31) Cyclohexane	7.789	56	1149934	396.468	ug/l	93
36) 1,1-Dichloropropene	8.167	75	541582	211.418	ug/l #	1
37) Ethyl Acetate	6.996	43	53886	41.040	ug/l #	79
38) Carbon Tetrachloride	7.795	117	17871	6.597	ug/l #	17
39) Methylcyclohexane	9.191	83	2467802	790.777	ug/l	92
40) Benzene	8.167	78	22932967	3162.029	ug/l #	77
41) Methacrylonitrile	7.374	41	2232	3.248	ug/l #	1
42) 1,2-Dichloroethane	8.167	62	242285	115.614	ug/l #	78
43) Isopropyl Acetate	8.277	43	65378	26.631	ug/l #	55
48) Methyl methacrylate	9.252	41	53908	47.663	ug/l #	36
51) 4-Methyl-2-Pentanone	10.075	43	128977	99.565	ug/l	91
52) Toluene	10.252	92	15806794	3394.041	ug/l #	67
53) t-1,3-Dichloropropene	10.252	75	225131	84.580	ug/l #	1
55) 1,1,2-Trichloroethane	10.624	97	233889	152.947	ug/l #	18
56) Ethyl methacrylate	10.526	69	127682	64.969	ug/l #	61
58) 2-Chloroethyl Vinyl ether	9.819	63	2303	2.354	ug/l #	48
59) 2-Hexanone	10.807	43	224825	235.607	ug/l #	35
65) Chlorobenzene	11.520	112	4391	1.067	ug/l #	80
67) Ethyl Benzene	11.599	91	5175110	707.974	ug/l	95
68) m/p-Xylenes	11.703	106	9025918	3190.719	ug/l	80
69) o-Xylene	12.032	106	4803834	1773.837	ug/l	88
70) Styrene	12.050	104	1189979	263.603	ug/l #	44
73) Isopropylbenzene	12.331	105	648017	120.603	ug/l	99
74) N-amyl acetate	12.130	43	144054	109.950	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.532	83	10388	9.458	ug/l #	11
76) 1,2,3-Trichloropropane	12.672	75	5945	7.627	ug/l #	100

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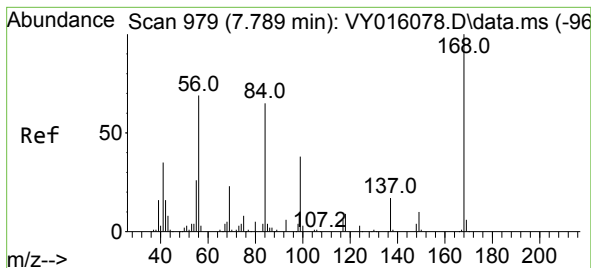
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

77) Bromobenzene	12.422	156	1235487	985.230	ug/l #	1
78) n-propylbenzene	12.672	91	1040899	159.993	ug/l	99
79) 2-Chlorotoluene	12.739	91	444498	121.992	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.819	105	3731031	836.351	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.410	75	14211	39.618	ug/l #	91
82) 4-Chlorotoluene	12.819	91	407225	107.768	ug/l #	42
83) tert-Butylbenzene	13.081	119	86315	21.767	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	7056181	1601.532	ug/l	95
85) sec-Butylbenzene	13.257	105	272267	46.100	ug/l #	54
86) p-Isopropyltoluene	13.373	119	327644	66.484	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	11484	4.589	ug/l #	1
89) n-Butylbenzene	13.703	91	165239	35.944	ug/l #	59
90) Hexachloroethane	13.977	117	79748	83.117	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.337	75	10685	61.965	ug/l #	43
93) 1,2,4-Trichlorobenzene	15.007	180	1510	1.089	ug/l #	1
95) Naphthalene	15.239	128	19495263	7207.168	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.397	180	8639	7.223	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Instrument :

MSVOA_Y

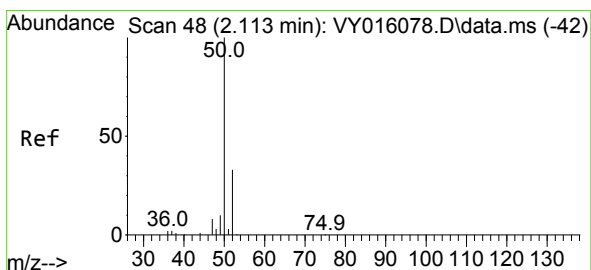
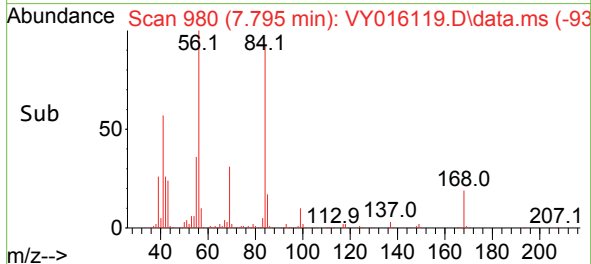
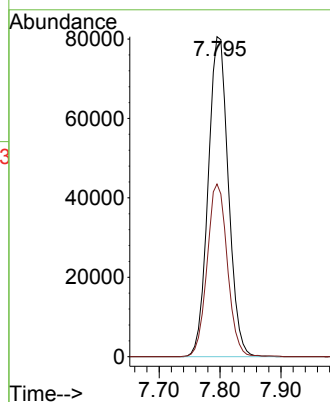
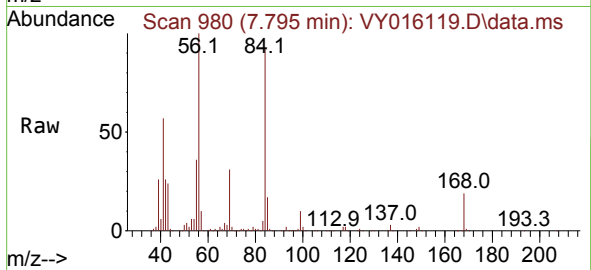
ClientSampleId :

Tgt Ion:168 Resp: 185410

Ion Ratio Lower Upper

168 100

99 53.9 43.4 65.0



#3

Chloromethane

Concen: 1.401 ug/l

RT: 2.113 min Scan# 48

Delta R.T. -0.000 min

Lab File: VY016119.D

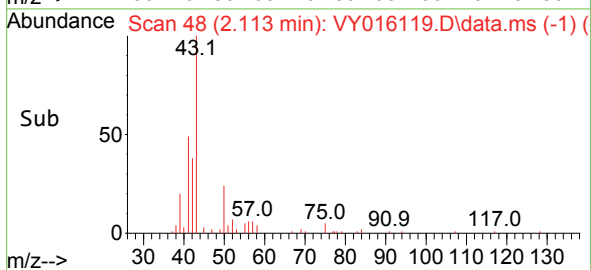
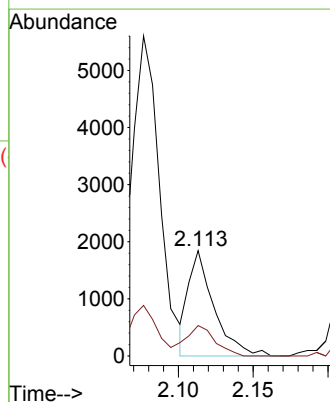
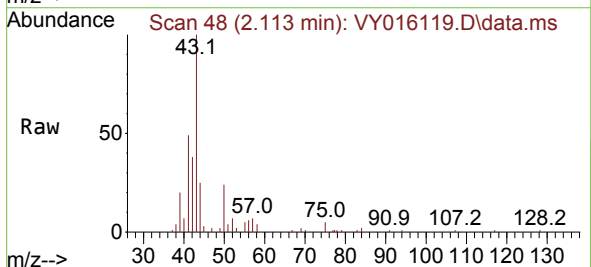
Acq: 27 Oct 2023 21:14

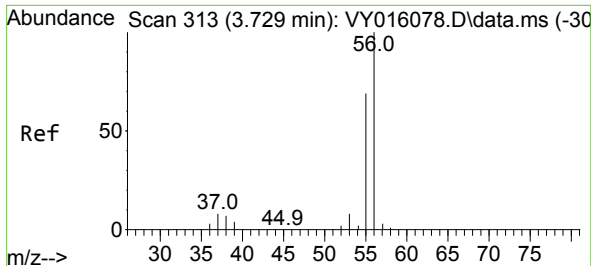
Tgt Ion: 50 Resp: 2197

Ion Ratio Lower Upper

50 100

52 28.9 25.4 38.2





#13

Acrolein

Concen: 16.658 ug/l

RT: 3.704 min Scan# 309

Delta R.T. -0.024 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Instrument :

MSVOA_Y

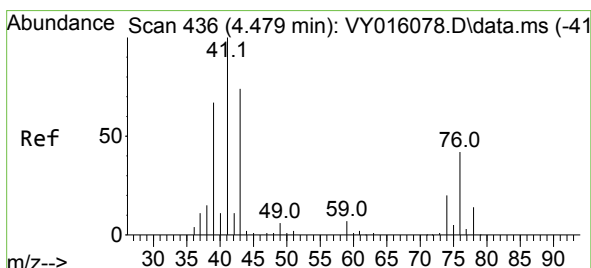
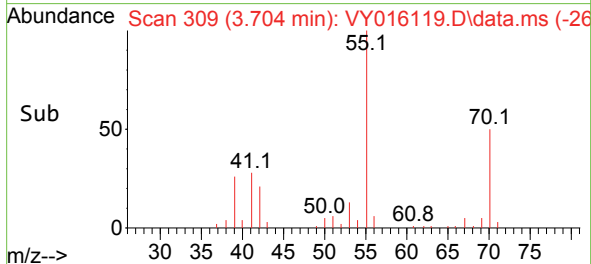
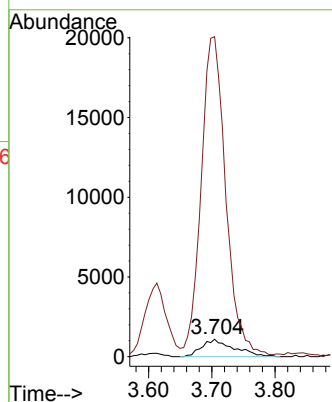
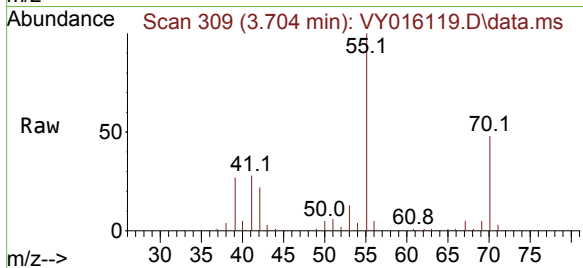
ClientSampleId :

Tgt Ion: 56 Resp: 3825

Ion Ratio Lower Upper

56 100

55 1414.1 57.0 85.4#



#14

Allyl chloride

Concen: 2.322 ug/l

RT: 4.594 min Scan# 455

Delta R.T. 0.116 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

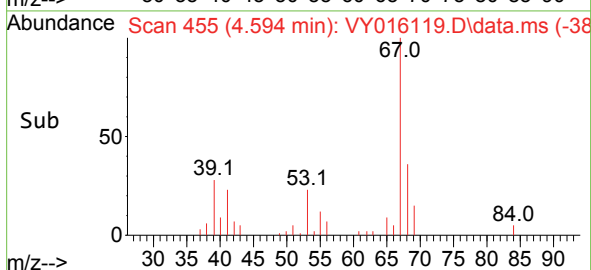
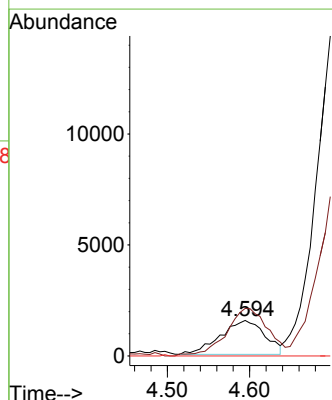
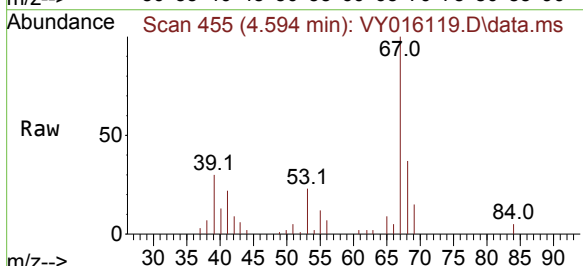
Tgt Ion: 41 Resp: 5752

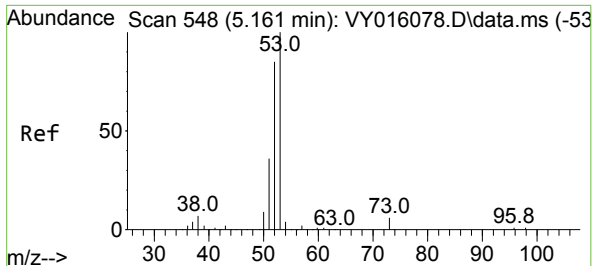
Ion Ratio Lower Upper

41 100

39 130.5 58.0 87.0#

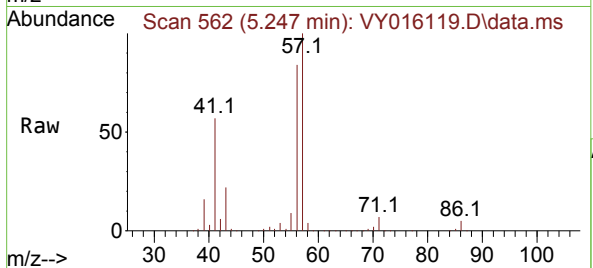
76 0.0 27.4 41.2#



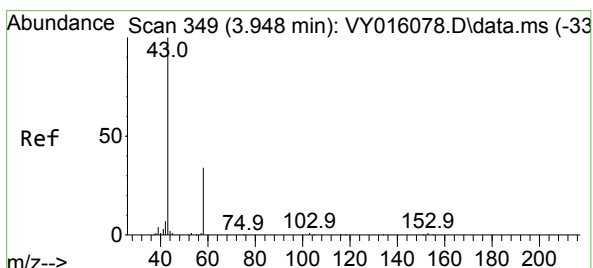
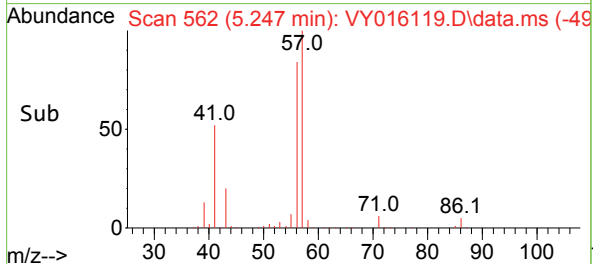
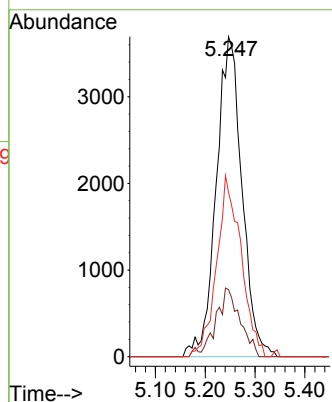


#15
Acrylonitrile
Concen: 28.095 ug/l
RT: 5.247 min Scan# 51
Delta R.T. 0.085 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Instrument :
MSVOA_Y
ClientSampleId :

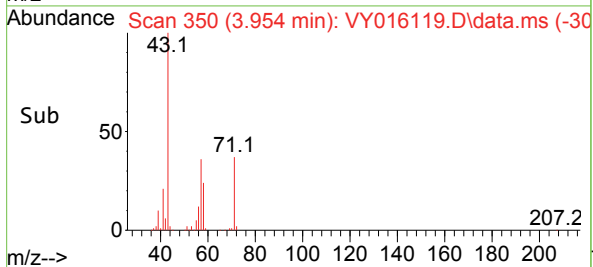
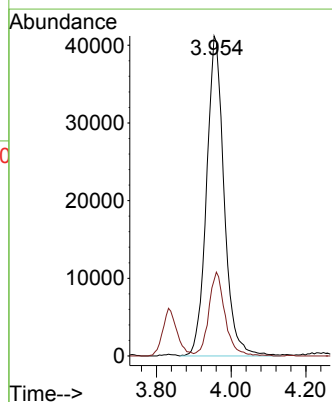
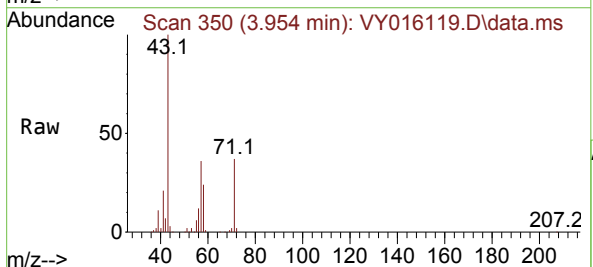


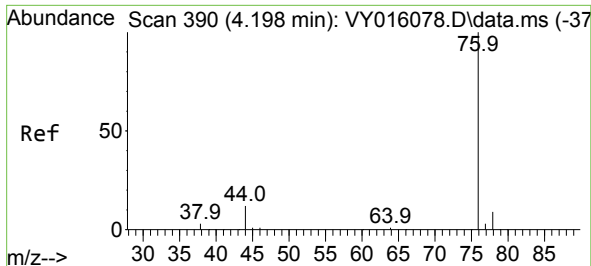
Tgt Ion: 53 Resp: 13242
Ion Ratio Lower Upper
53 100
52 19.6 66.9 100.3#
51 53.6 29.8 44.6#



#16
Acetone
Concen: 269.176 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Tgt Ion: 43 Resp: 134511
Ion Ratio Lower Upper
43 100
58 23.7 22.7 34.1





#17

Carbon Disulfide

Concen: 2.465 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.006 min

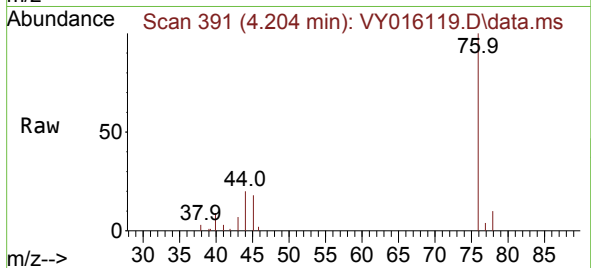
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Acq: 27 Oct 2023 21:14

Instrument :

MSVOA_Y

ClientSampleId :

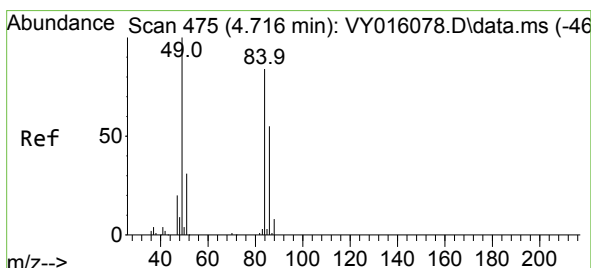
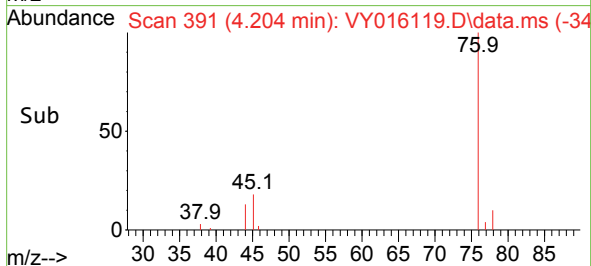
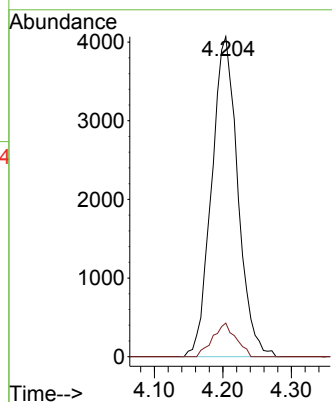


Tgt Ion: 76 Resp: 10805

Ion Ratio Lower Upper

76 100

78 10.5 7.0 10.4#



#20

Methylene Chloride

Concen: 8.289 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Tgt Ion: 84 Resp: 25595

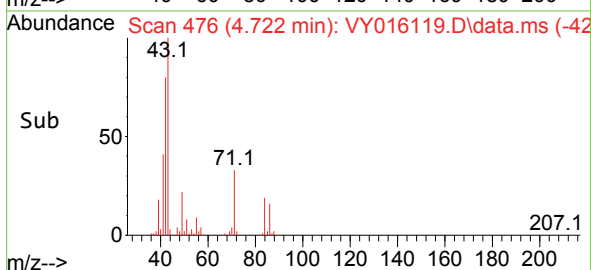
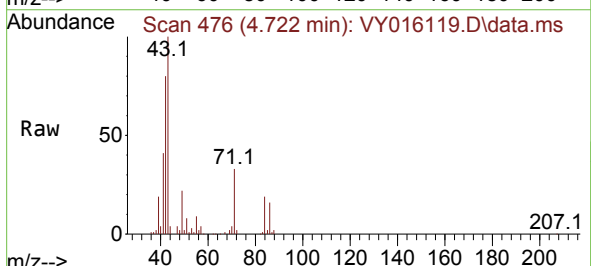
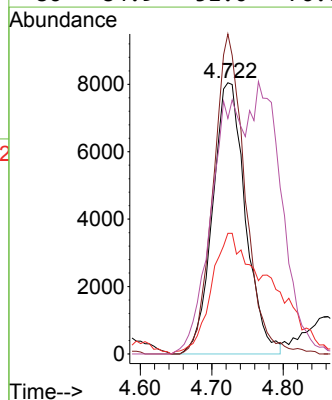
Ion Ratio Lower Upper

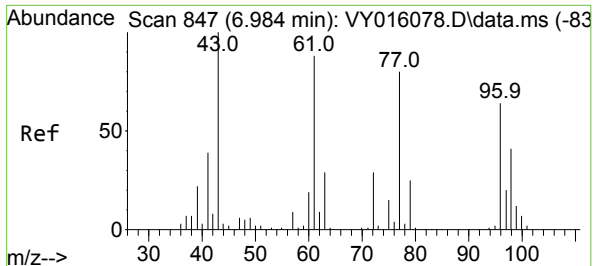
84 100

49 118.0 106.9 160.3

51 43.4 33.2 49.8

86 84.9 51.0 76.6#





#25

2-Butanone

Concen: 79.897 ug/l

RT: 6.996 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Instrument :

MSVOA_Y

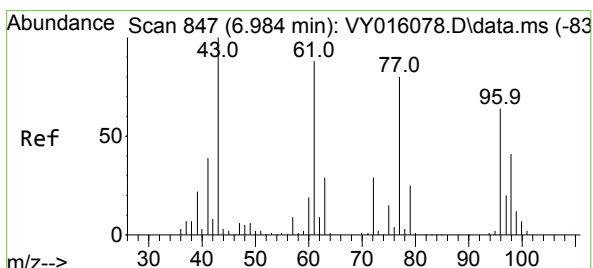
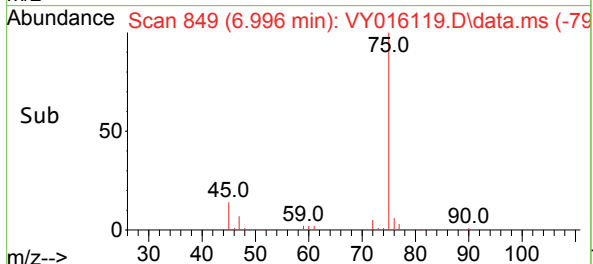
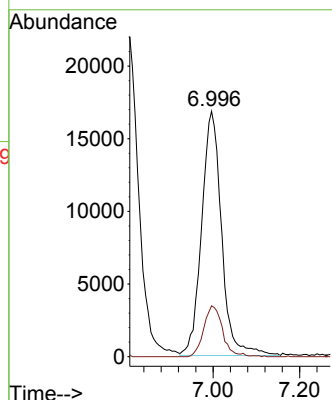
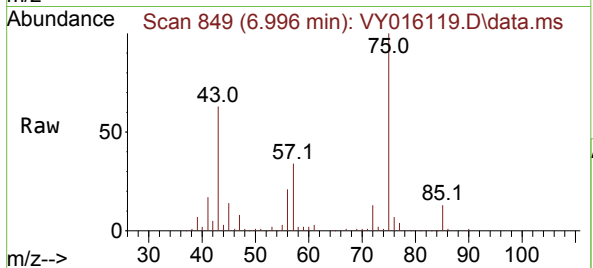
ClientSampleId :

Tgt Ion: 43 Resp: 53886

Ion Ratio Lower Upper

43 100

72 20.8 20.5 30.7



#26

2,2-Dichloropropane

Concen: 1.322 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY016119.D

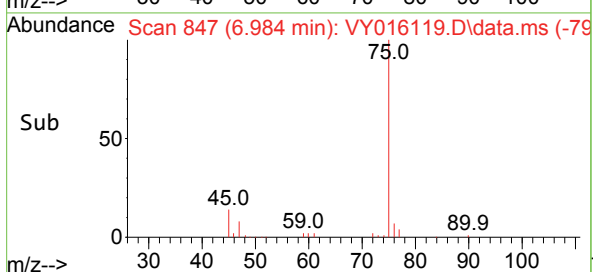
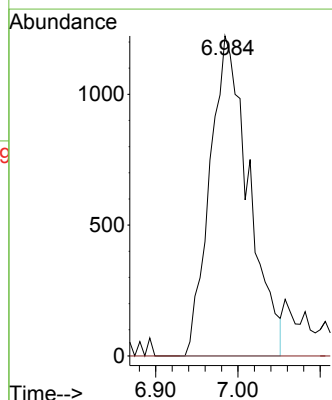
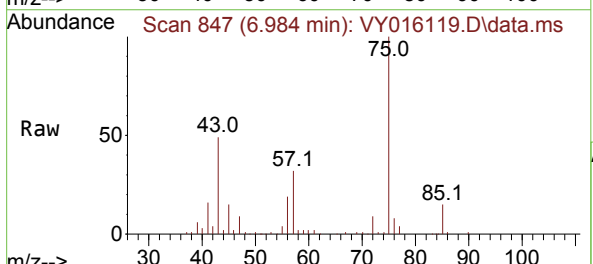
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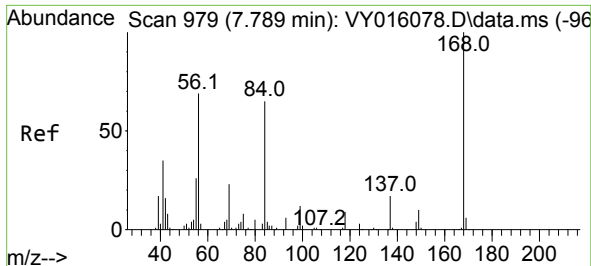
Tgt Ion: 77 Resp: 4010

Ion Ratio Lower Upper

77 100

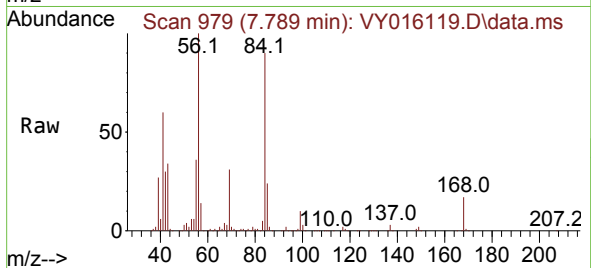
97 0.0 10.9 32.9#



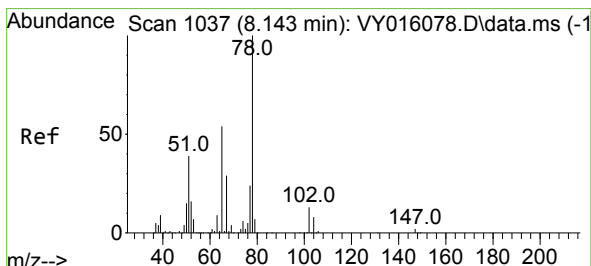
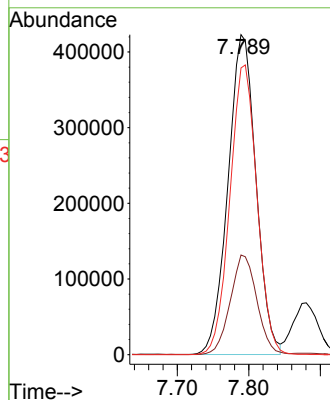
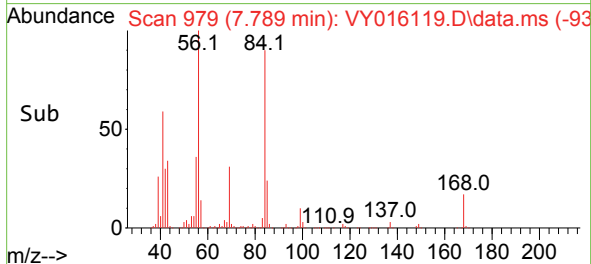


#31
Cyclohexane
Concen: 396.468 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Instrument :
MSVOA_Y
ClientSampleId :

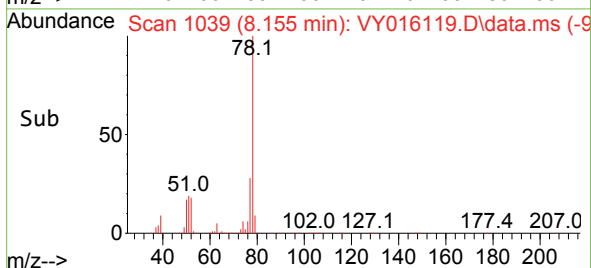
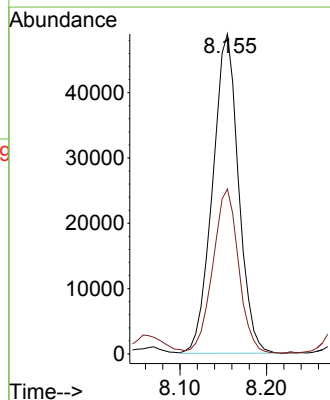
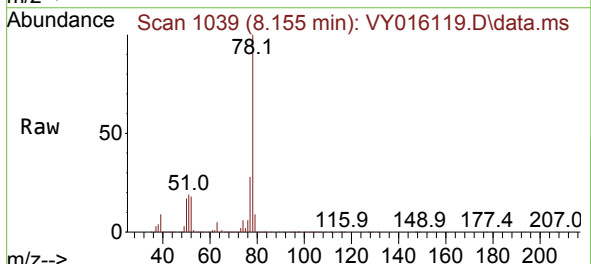


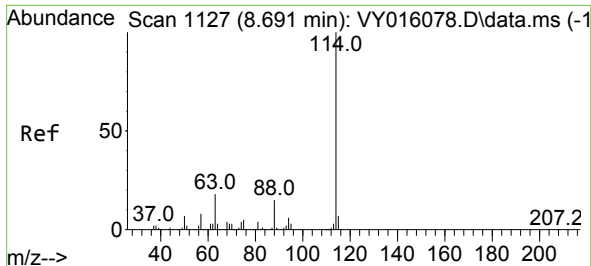
Tgt Ion: 56 Resp: 1149934
Ion Ratio Lower Upper
56 100
69 31.0 27.8 41.6
84 89.6 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 55.173 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Tgt Ion: 65 Resp: 101720
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.8

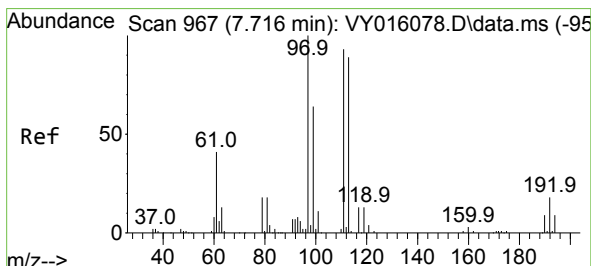
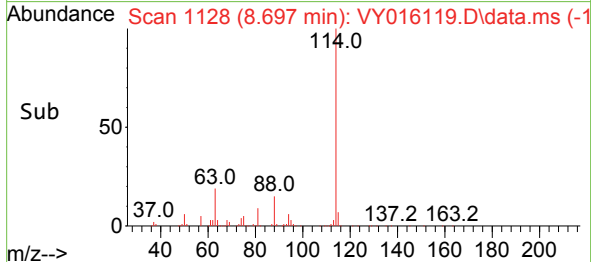
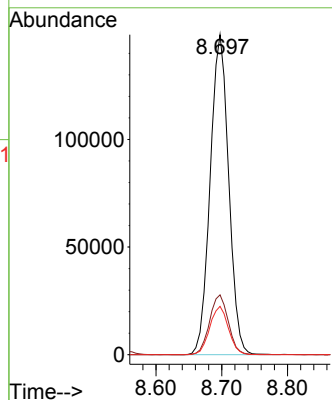
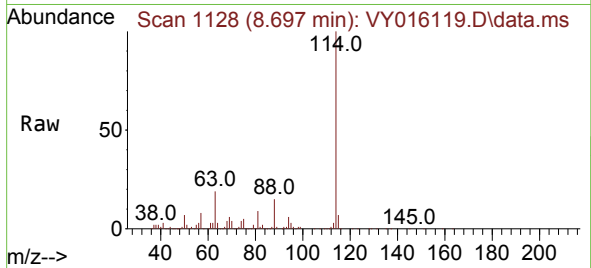




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

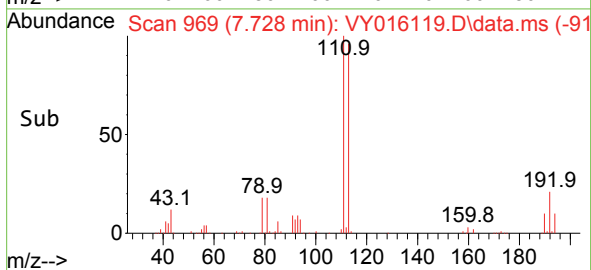
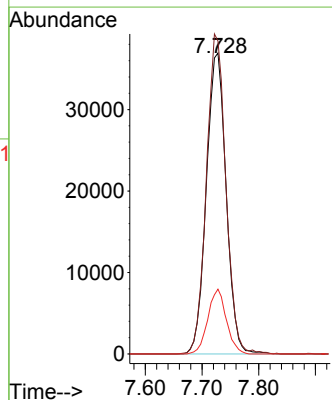
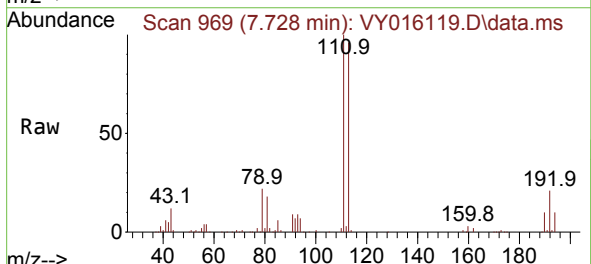
Instrument :
MSVOA_Y
ClientSampleId :

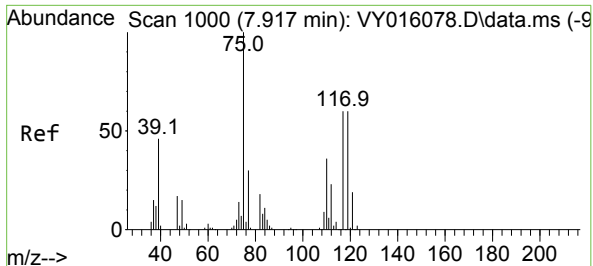
Tgt Ion:114 Resp: 291104
Ion Ratio Lower Upper
114 100
63 18.7 0.0 42.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.865 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Tgt Ion:113 Resp: 89800
Ion Ratio Lower Upper
113 100
111 104.6 81.3 121.9
192 20.2 16.9 25.3

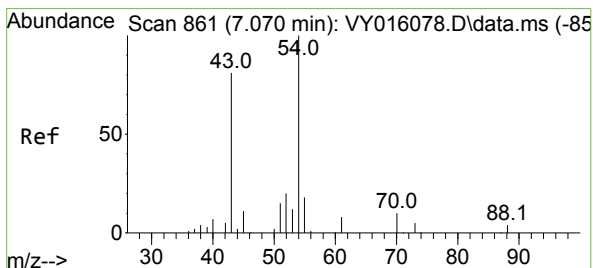
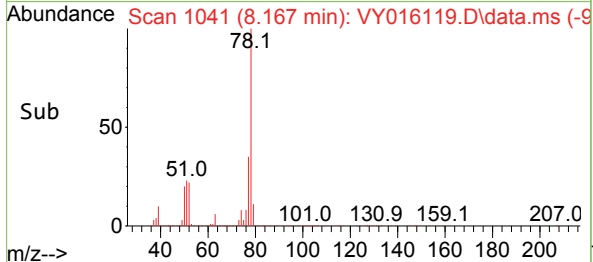
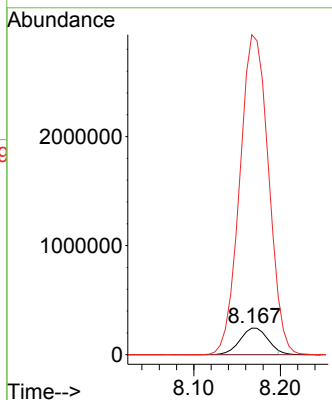
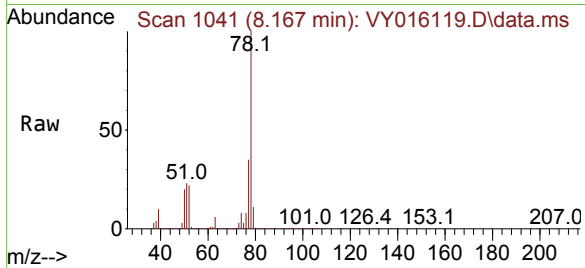




#36
1,1-Dichloropropene
Concen: 211.418 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.250 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

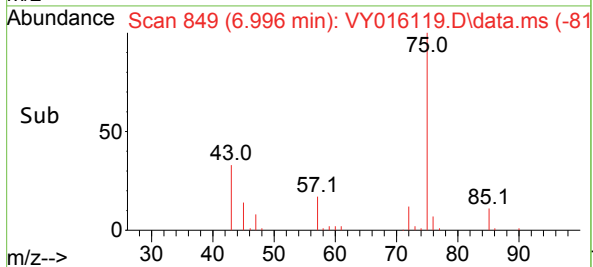
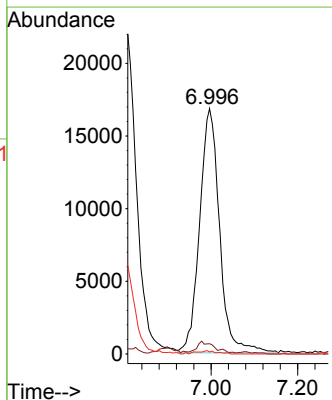
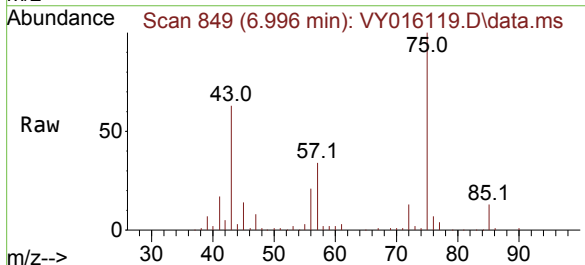
Instrument :
MSVOA_Y
ClientSampleId :

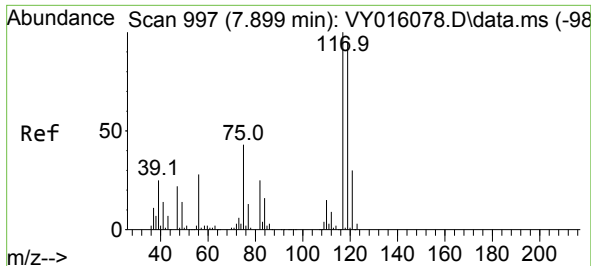
Tgt Ion: 75 Resp: 541582
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 1229.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 41.040 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.073 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

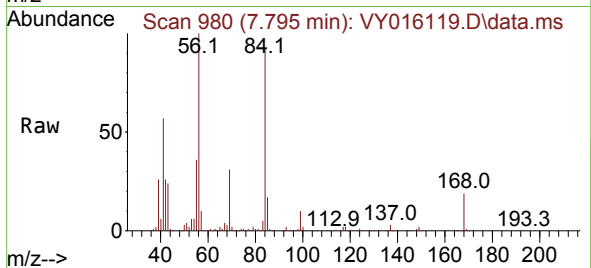
Tgt Ion: 43 Resp: 53886
Ion Ratio Lower Upper
43 100
61 4.0 10.1 15.1#
70 1.3 7.1 10.7#



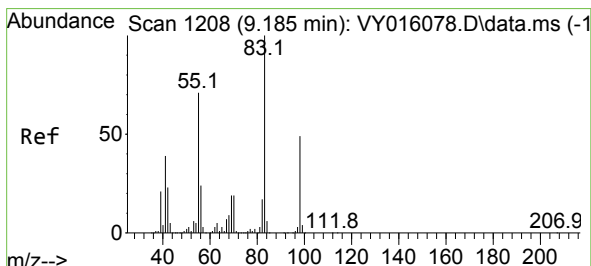
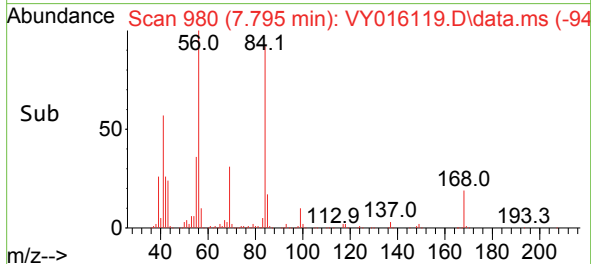
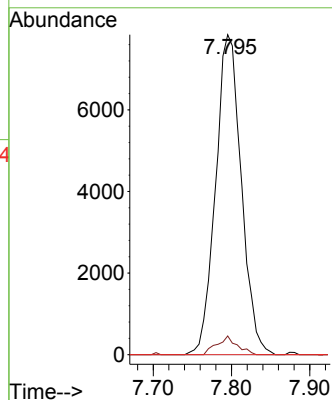


#38
Carbon Tetrachloride
Concen: 6.597 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Instrument :
MSVOA_Y
ClientSampleId :

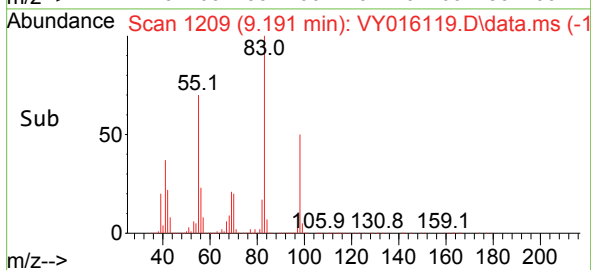
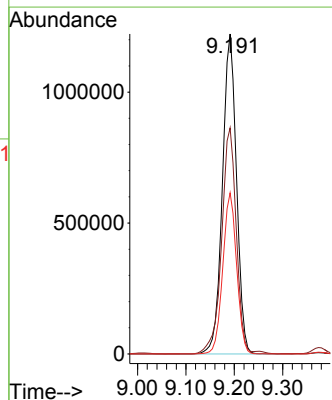
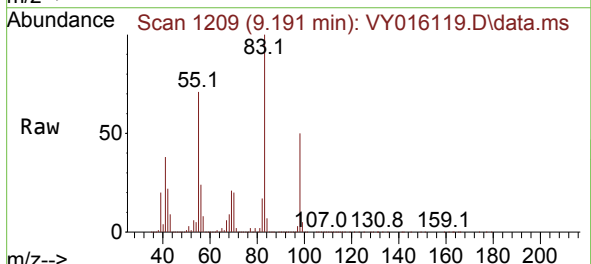


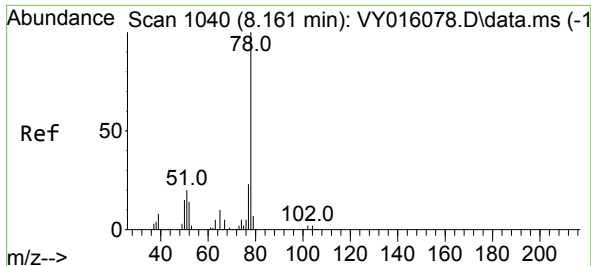
Tgt Ion:117 Resp: 17871
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 790.777 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Tgt Ion: 83 Resp: 2467802
Ion Ratio Lower Upper
83 100
55 70.6 63.0 94.4
98 50.4 37.4 56.2

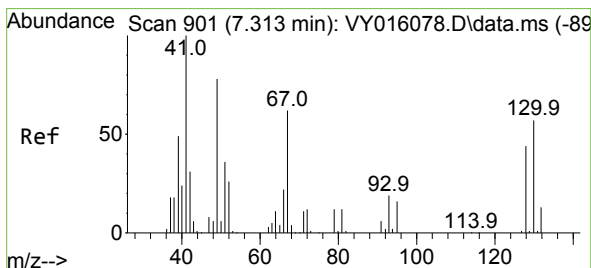
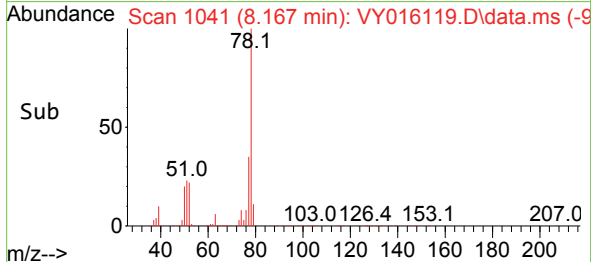
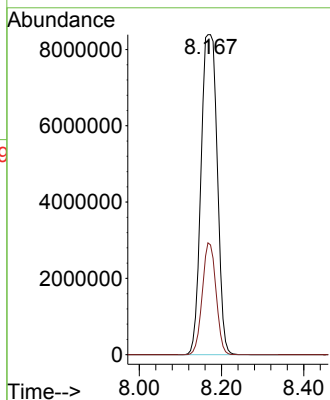
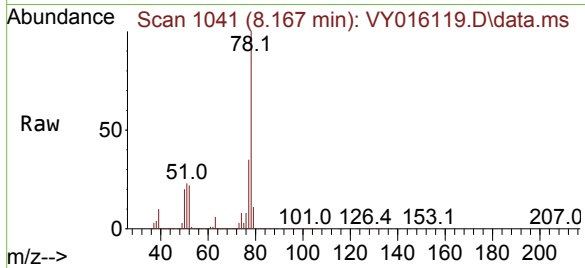




#40
Benzene
Concen: 3162.029 ug/l
RT: 8.167 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

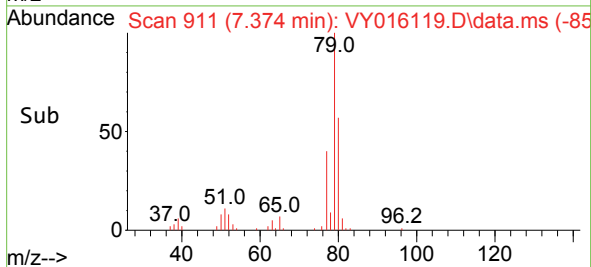
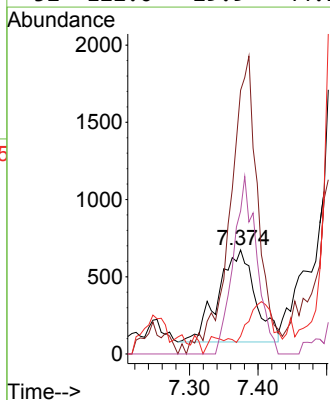
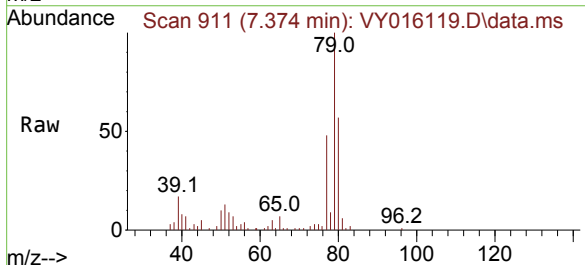
Instrument :
MSVOA_Y
ClientSampleId :

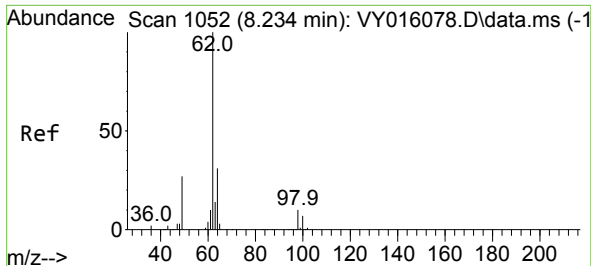
Tgt Ion: 78 Resp:22932967
Ion Ratio Lower Upper
78 100
77 35.0 19.0 28.6#



#41
Methacrylonitrile
Concen: 3.248 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.061 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Tgt Ion: 41 Resp: 2232
Ion Ratio Lower Upper
41 100
39 246.4 52.1 78.1#
67 0.0 66.2 99.2#
52 122.0 29.9 44.9#





#42

1,2-Dichloroethane

Concen: 115.614 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. -0.067 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Instrument :

MSVOA_Y

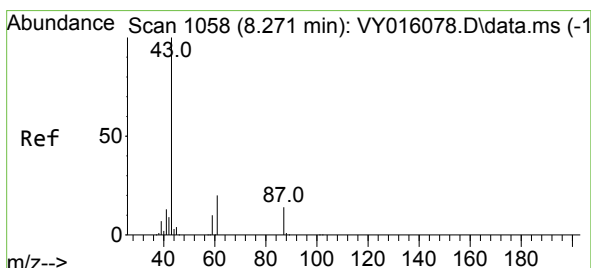
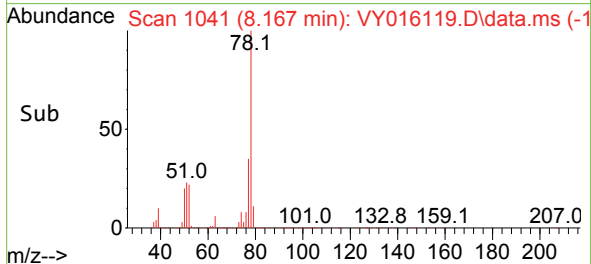
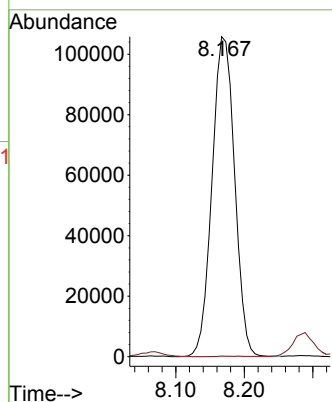
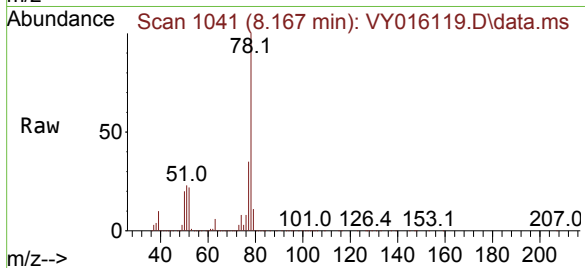
ClientSampleId :

Tgt Ion: 62 Resp: 242285

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 26.631 ug/l

RT: 8.277 min Scan# 1059

Delta R.T. 0.006 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

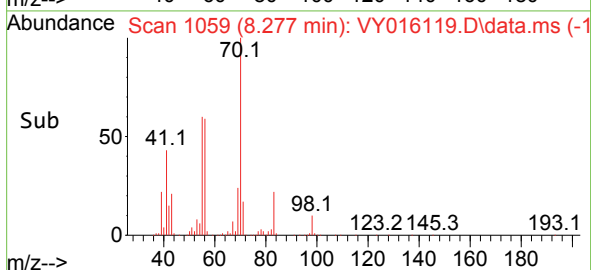
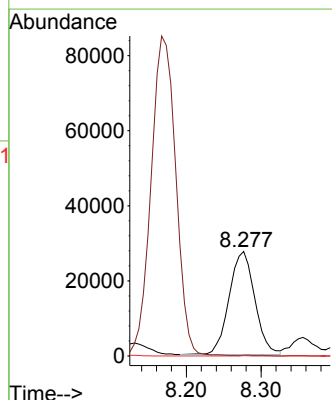
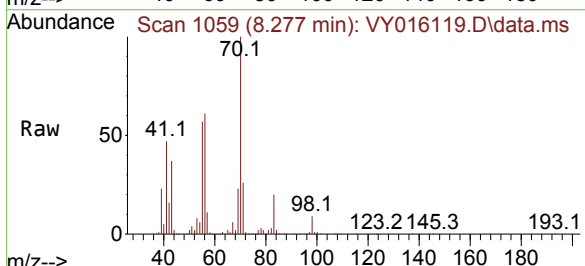
Tgt Ion: 43 Resp: 65378

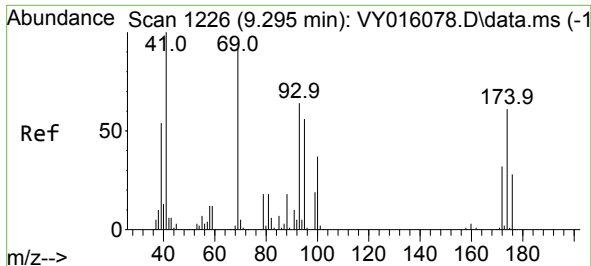
Ion Ratio Lower Upper

43 100

61 0.0 21.1 31.7#

87 0.1 9.8 14.8#

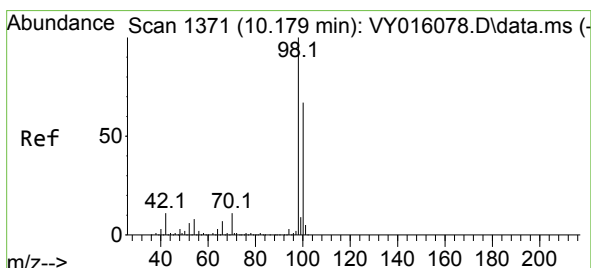
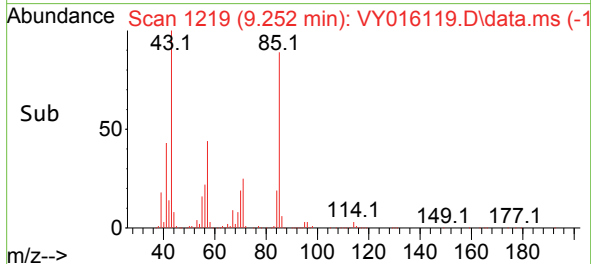
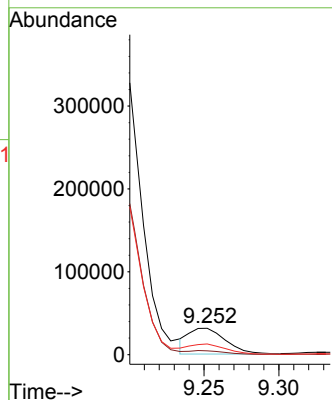
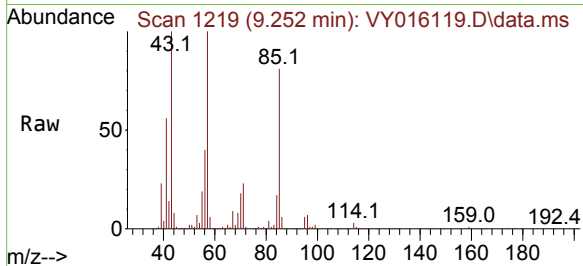




#48
Methyl methacrylate
Concen: 47.663 ug/l
RT: 9.252 min Scan# 1219
Delta R.T. -0.043 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

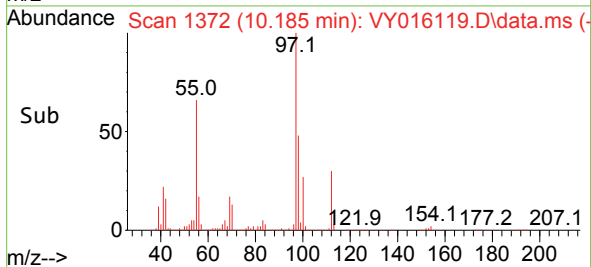
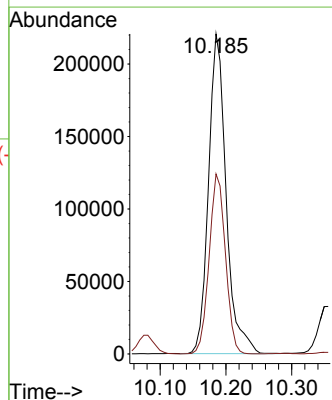
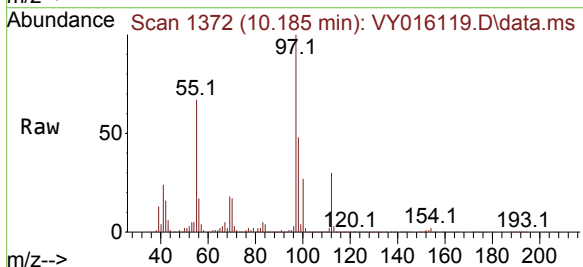
Instrument :
MSVOA_Y
ClientSampleId :

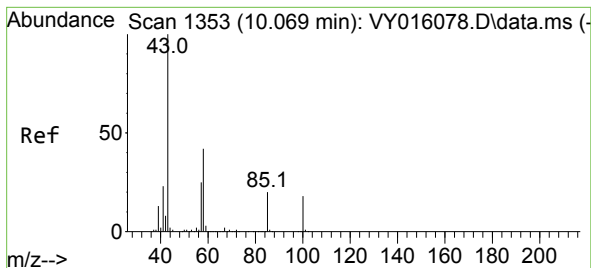
Tgt Ion: 41 Resp: 53908
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 39.7 50.8 76.2#



#50
Toluene-d8
Concen: 60.394 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Tgt Ion: 98 Resp: 411115
Ion Ratio Lower Upper
98 100
100 52.0 50.1 75.1

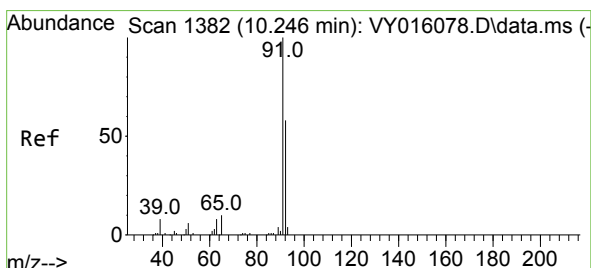
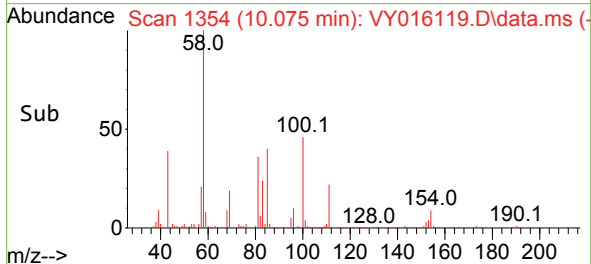
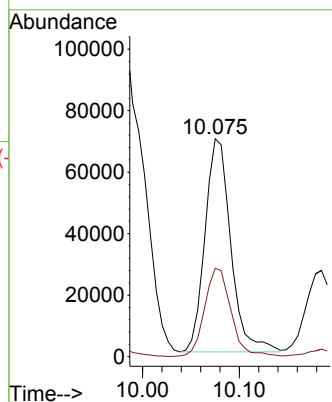
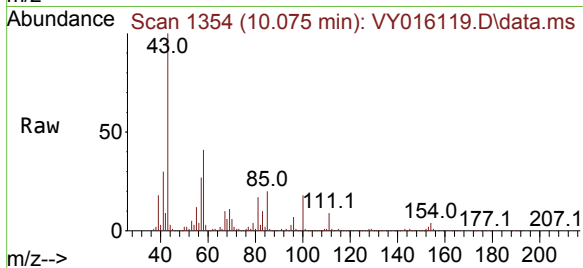




#51
4-Methyl-2-Pentanone
Concen: 99.565 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

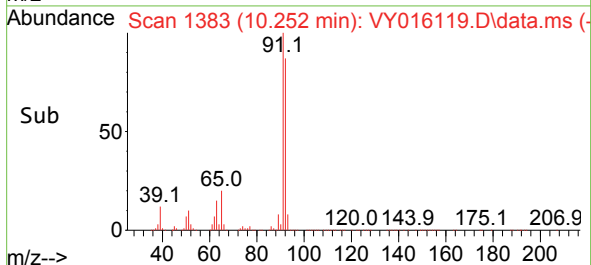
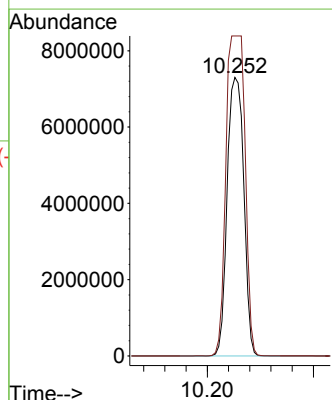
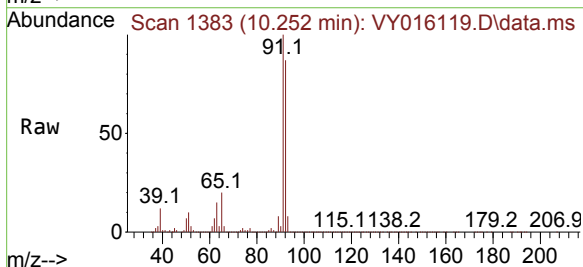
Instrument :
MSVOA_Y
ClientSampleId :

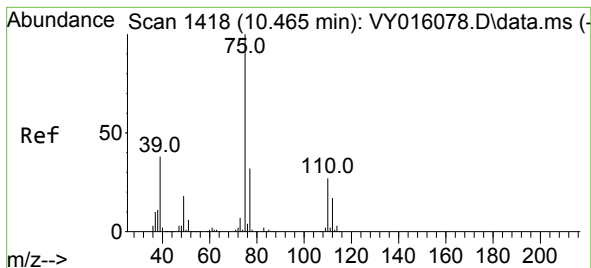
Tgt Ion: 43 Resp: 128977
Ion Ratio Lower Upper
43 100
58 41.9 29.0 43.6



#52
Toluene
Concen: 3394.041 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Tgt Ion: 92 Resp:15806794
Ion Ratio Lower Upper
92 100
91 132.9 143.8 215.6#

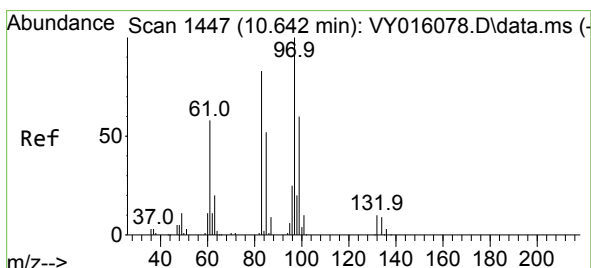
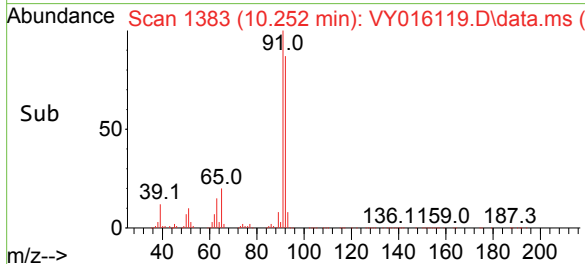
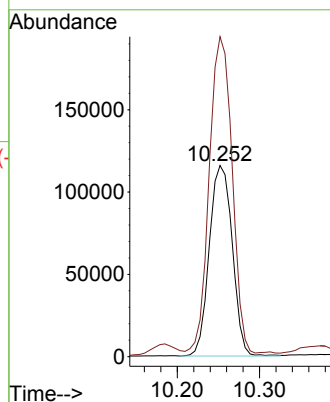
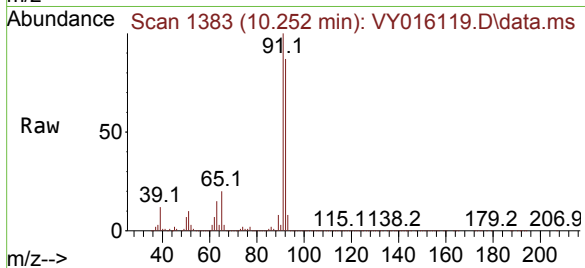




#53
t-1,3-Dichloropropene
Concen: 84.580 ug/l
RT: 10.252 min Scan# 1418
Delta R.T. -0.213 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

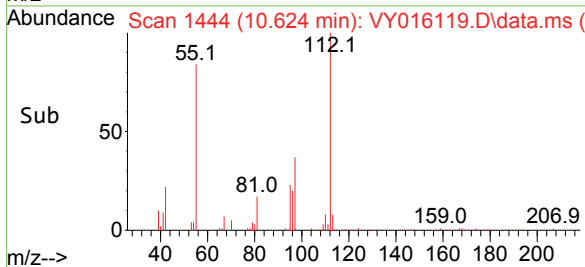
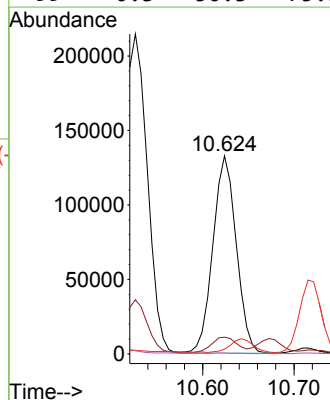
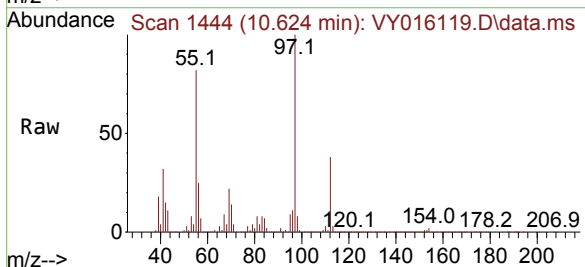
Instrument :
MSVOA_Y
ClientSampleId :

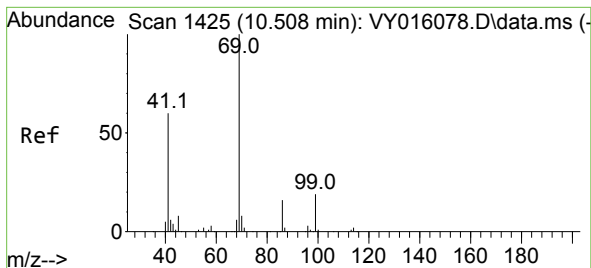
Tgt Ion: 75 Resp: 225131
Ion Ratio Lower Upper
75 100
77 166.1 25.0 37.4#



#55
1,1,2-Trichloroethane
Concen: 152.947 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.018 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Tgt Ion: 97 Resp: 233889
Ion Ratio Lower Upper
97 100
83 8.0 72.0 108.0#
85 1.5 45.4 68.0#
99 0.3 50.3 75.5#





#56

Ethyl methacrylate

Concen: 64.969 ug/l

RT: 10.526 min Scan# 1425

Delta R.T. 0.018 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Instrument :

MSVOA_Y

ClientSampleId :

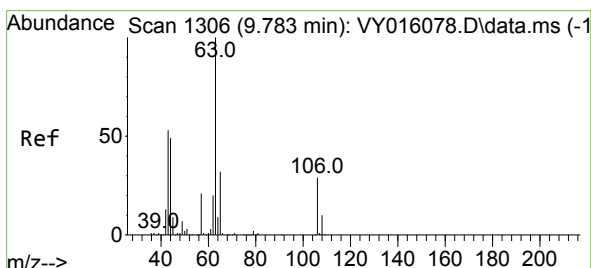
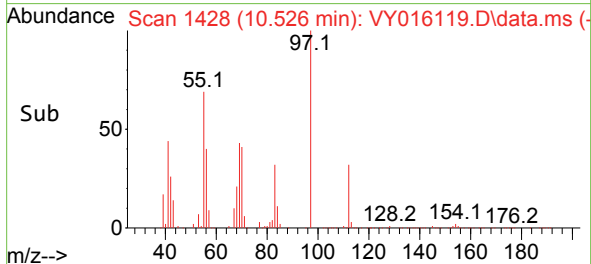
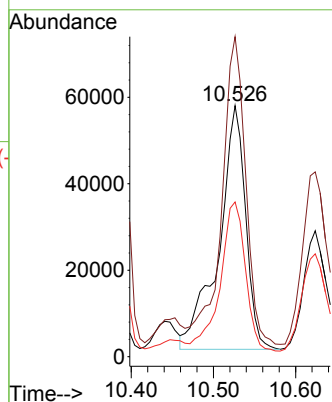
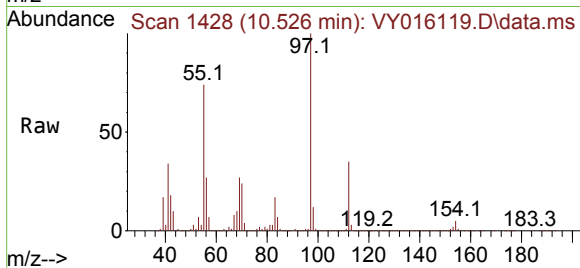
Tgt Ion: 69 Resp: 127682

Ion Ratio Lower Upper

69 100

41 112.1 57.6 86.4#

39 57.4 34.1 51.1#



#58

2-Chloroethyl Vinyl ether

Concen: 2.354 ug/l

RT: 9.819 min Scan# 1312

Delta R.T. 0.037 min

Lab File: VY016119.D

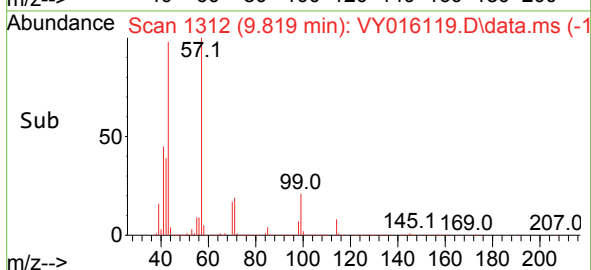
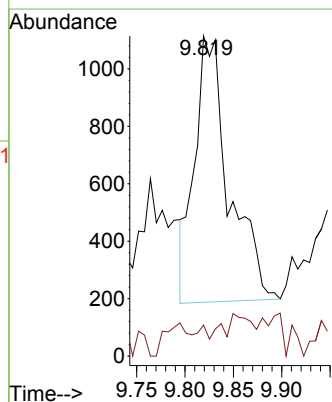
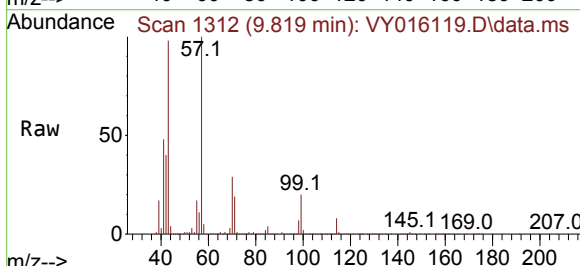
Acq: 27 Oct 2023 21:14

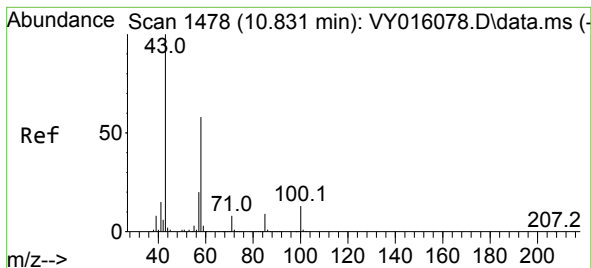
Tgt Ion: 63 Resp: 2303

Ion Ratio Lower Upper

63 100

106 0.0 21.2 31.8#

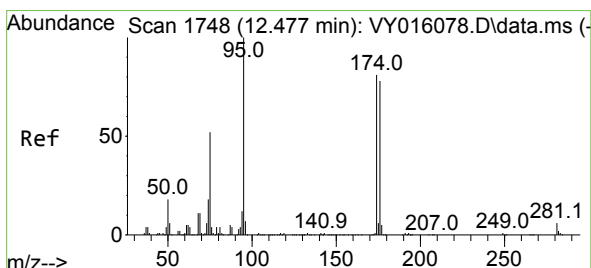
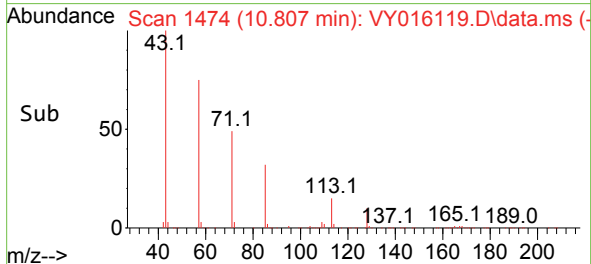
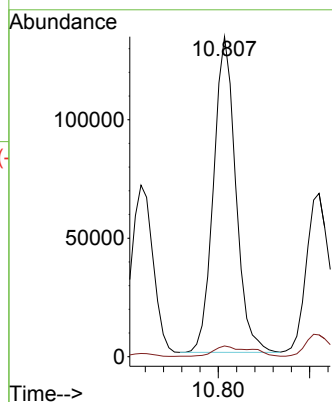
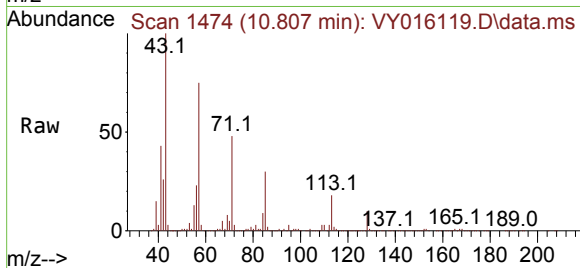




#59
2-Hexanone
Concen: 235.607 ug/l
RT: 10.807 min Scan# 1478
Delta R.T. -0.024 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

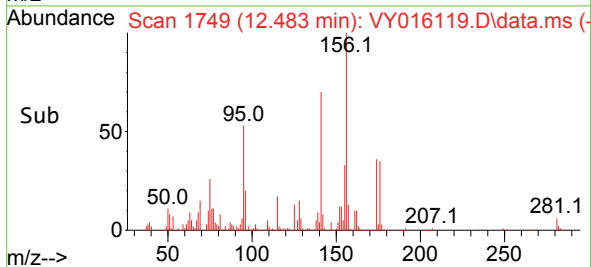
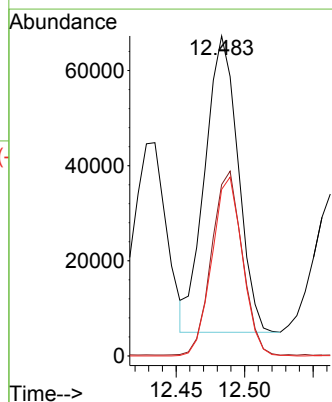
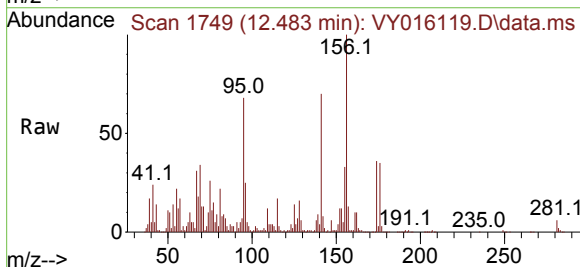
Instrument :
MSVOA_Y
ClientSampleId :

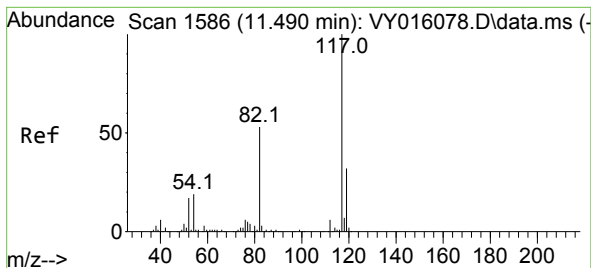
Tgt Ion: 43 Resp: 224825
Ion Ratio Lower Upper
43 100
58 5.5 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 44.864 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Tgt Ion: 95 Resp: 104759
Ion Ratio Lower Upper
95 100
174 57.4 0.0 178.2
176 55.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 117

Delta R.T. 0.006 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Instrument :

MSVOA_Y

ClientSampleId :

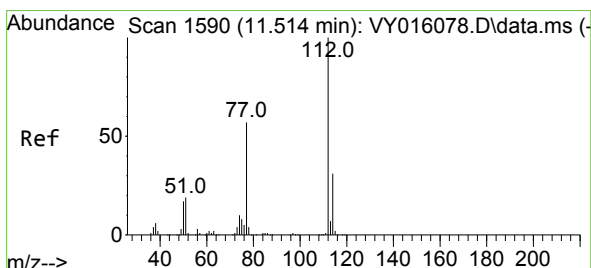
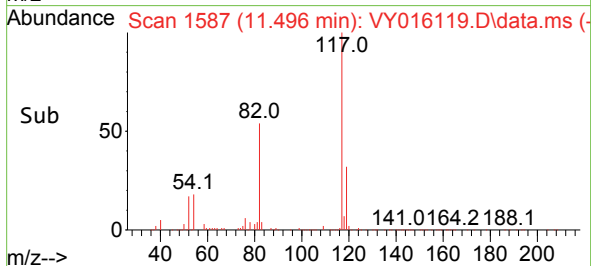
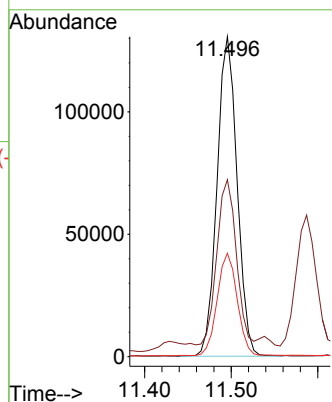
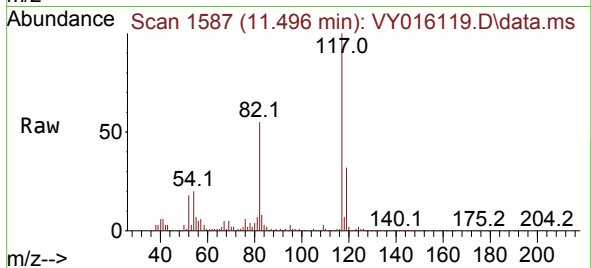
Tgt Ion:117 Resp: 209417

Ion Ratio Lower Upper

117 100

82 52.0 43.4 65.0

119 31.9 26.3 39.5



#65

Chlorobenzene

Concen: 1.067 ug/l

RT: 11.520 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY016119.D

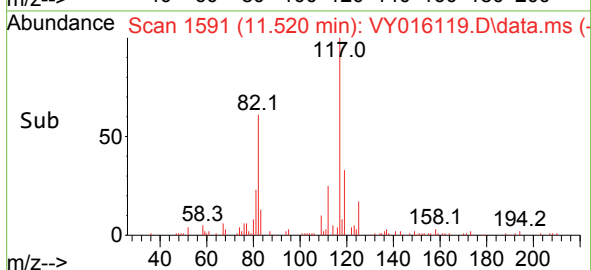
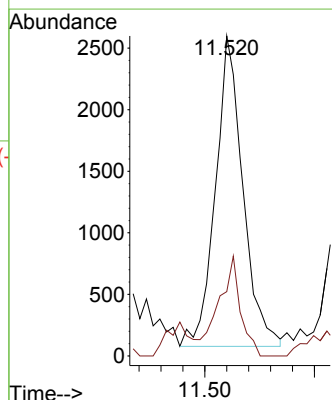
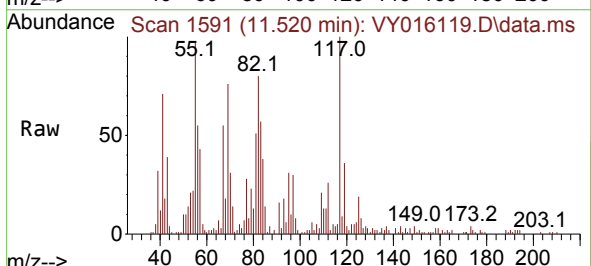
Acq: 27 Oct 2023 21:14

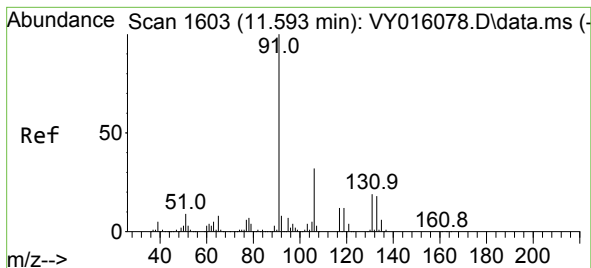
Tgt Ion:112 Resp: 4391

Ion Ratio Lower Upper

112 100

114 20.7 25.5 38.3#





#67

Ethyl Benzene

Concen: 707.974 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Instrument :

MSVOA_Y

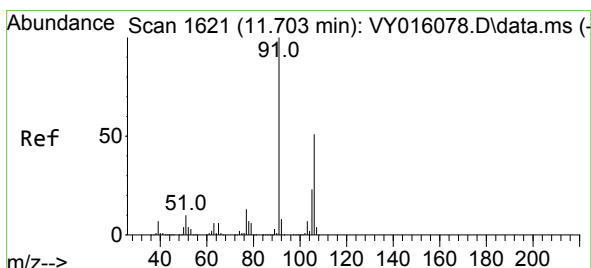
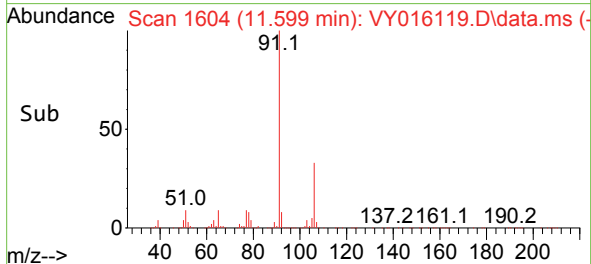
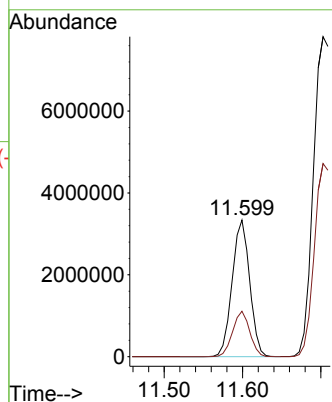
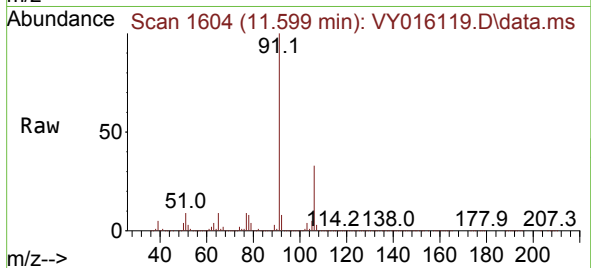
ClientSampleId :

Tgt Ion: 91 Resp: 5175110

Ion Ratio Lower Upper

91 100

106 33.3 24.6 36.8



#68

m/p-Xylenes

Concen: 3190.719 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY016119.D

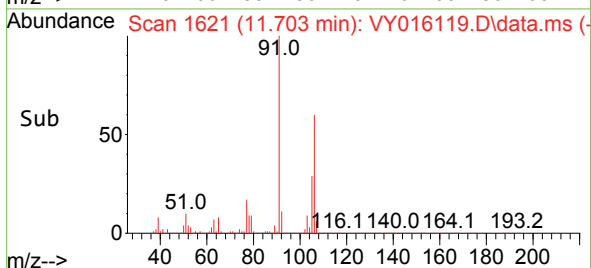
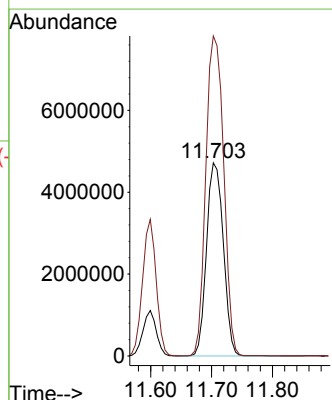
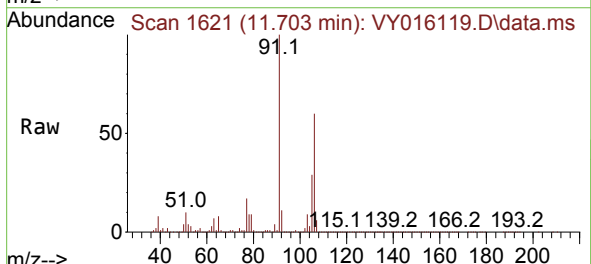
Acq: 27 Oct 2023 21:14

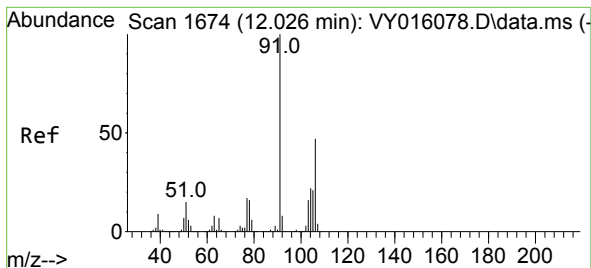
Tgt Ion:106 Resp: 9025918

Ion Ratio Lower Upper

106 100

91 176.1 166.1 249.1

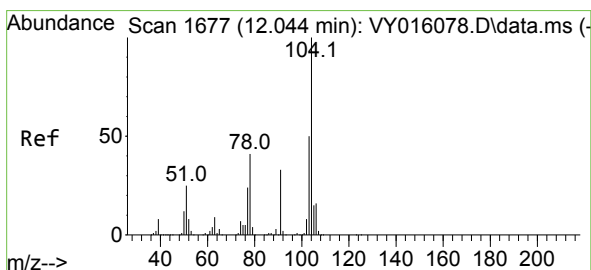
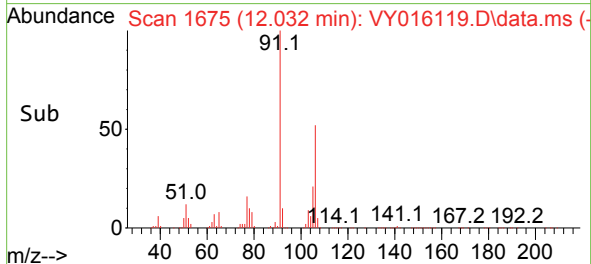
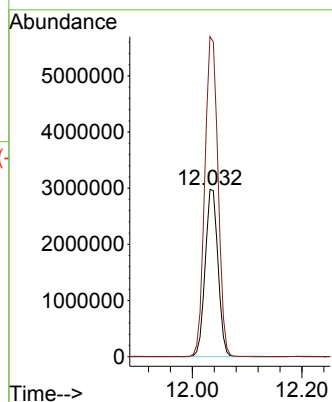
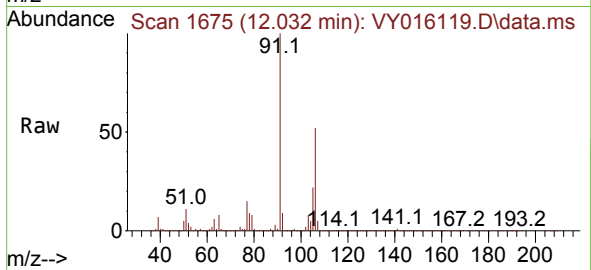




#69
o-Xylene
Concen: 1773.837 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

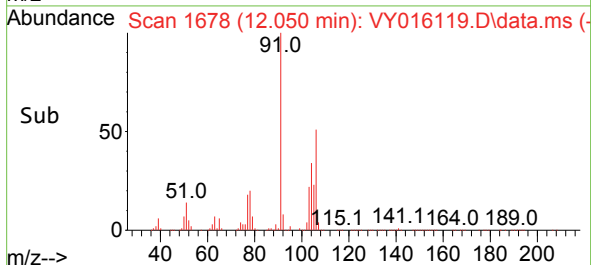
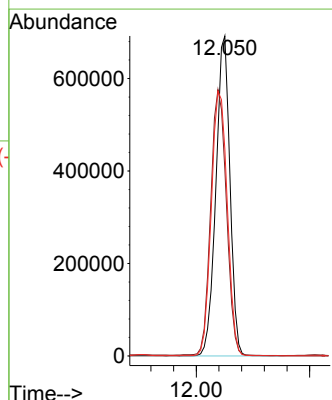
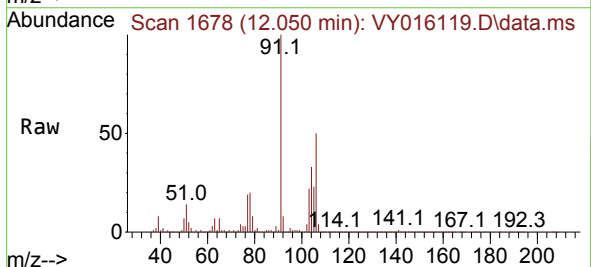
Instrument :
MSVOA_Y
ClientSampleId :

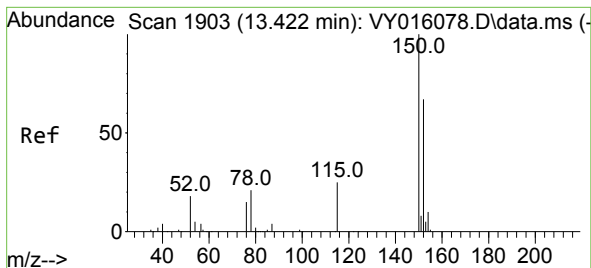
Tgt Ion:106 Resp: 4803834
Ion Ratio Lower Upper
106 100
91 197.8 108.1 324.3



#70
Styrene
Concen: 263.603 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Tgt Ion:104 Resp: 1189979
Ion Ratio Lower Upper
104 100
78 93.4 41.5 62.3#
103 93.9 44.6 67.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Instrument :

MSVOA_Y

ClientSampleId :

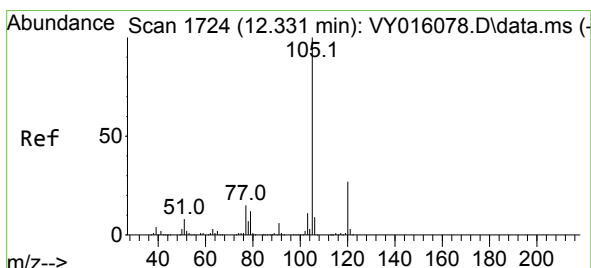
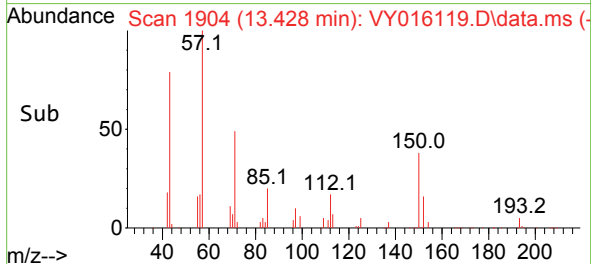
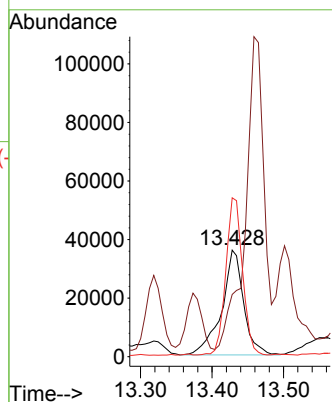
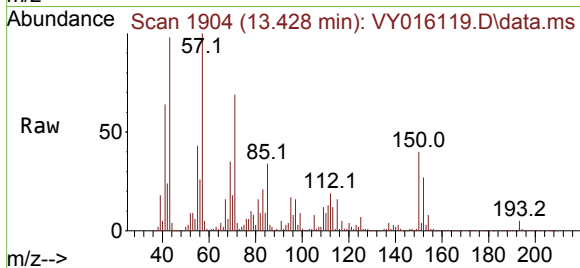
Tgt Ion:152 Resp: 76349

Ion Ratio Lower Upper

152 100

115 0.0 28.8 86.5#

150 113.6 0.0 348.8



#73

Isopropylbenzene

Concen: 120.603 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. 0.000 min

Lab File: VY016119.D

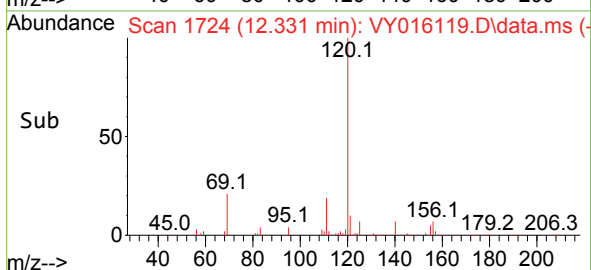
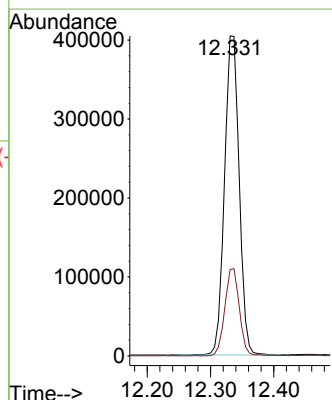
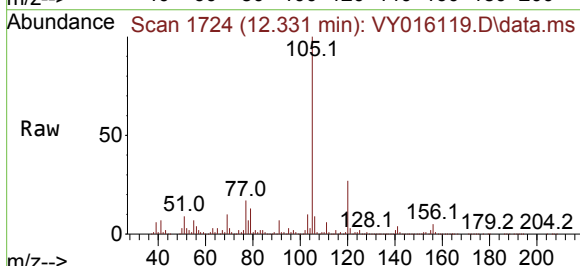
Acq: 27 Oct 2023 21:14

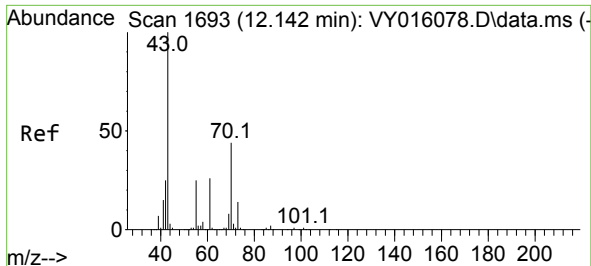
Tgt Ion:105 Resp: 648017

Ion Ratio Lower Upper

105 100

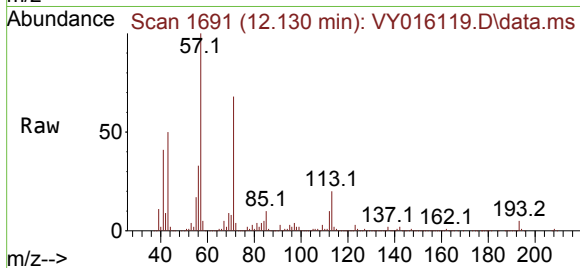
120 27.1 13.3 39.9



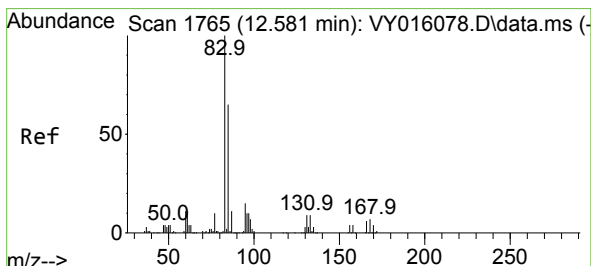
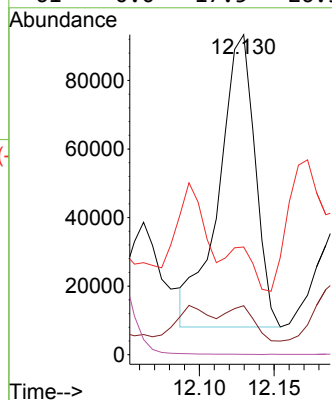
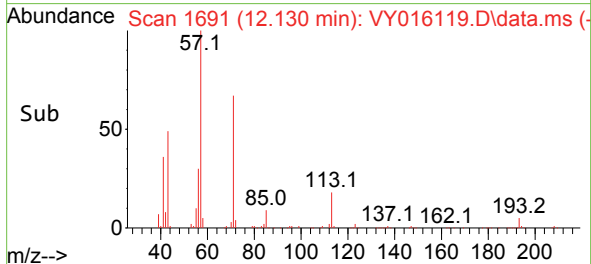


#74
N-amy1 acetate
Concen: 109.950 ug/l
RT: 12.130 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Instrument :
MSVOA_Y
ClientSampleId :

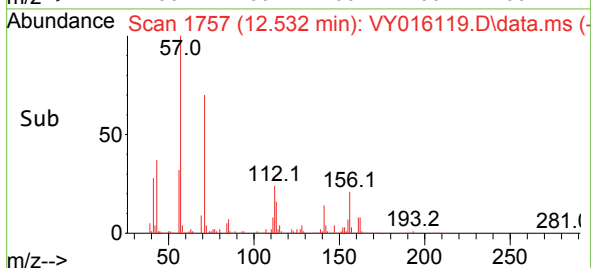
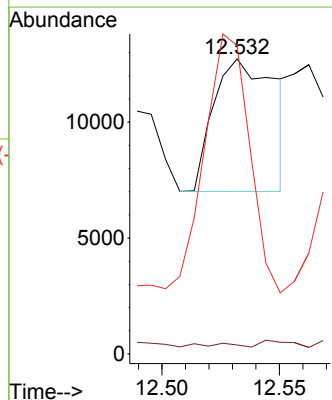
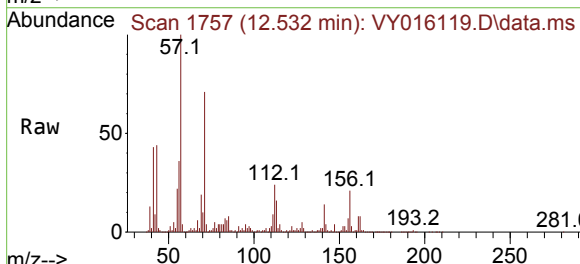


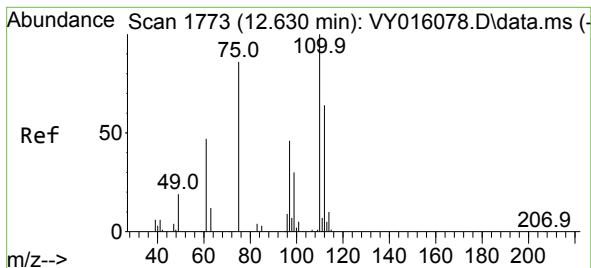
Tgt Ion: 43 Resp: 144054
Ion Ratio Lower Upper
43 100
70 9.3 29.7 44.5#
55 0.0 18.3 27.5#
61 0.0 17.5 26.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 9.458 ug/l
RT: 12.532 min Scan# 1757
Delta R.T. -0.049 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Tgt Ion: 83 Resp: 10388
Ion Ratio Lower Upper
83 100
131 1.6 5.4 16.2#
85 141.8 31.8 95.4#





#76

1,2,3-Trichloropropane

Concen: 7.627 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.043 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Instrument :

MSVOA_Y

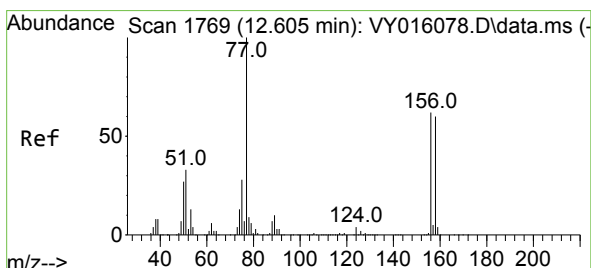
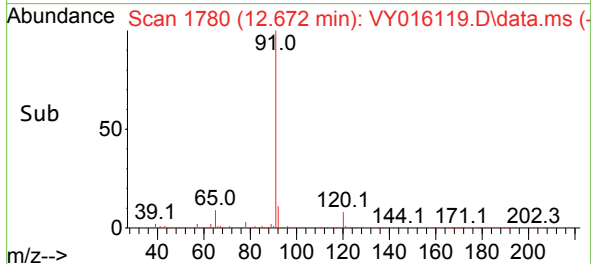
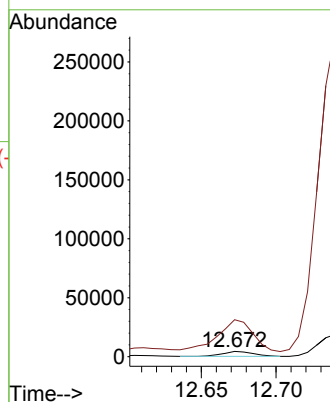
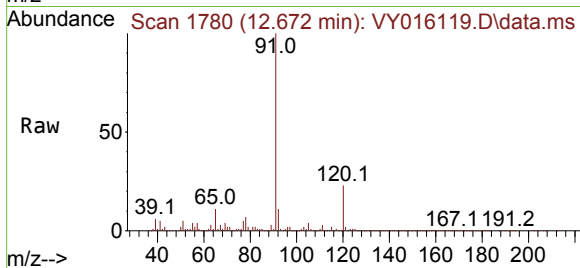
ClientSampleId :

Tgt Ion: 75 Resp: 5945

Ion Ratio Lower Upper

75 100

77 742.8 0.0 0.0#



#77

Bromobenzene

Concen: 985.230 ug/l

RT: 12.422 min Scan# 1739

Delta R.T. -0.183 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

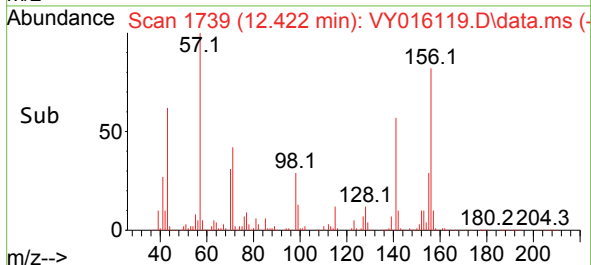
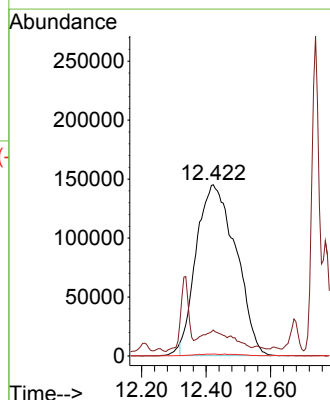
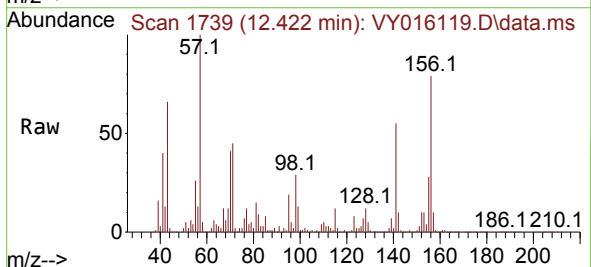
Tgt Ion:156 Resp: 1235487

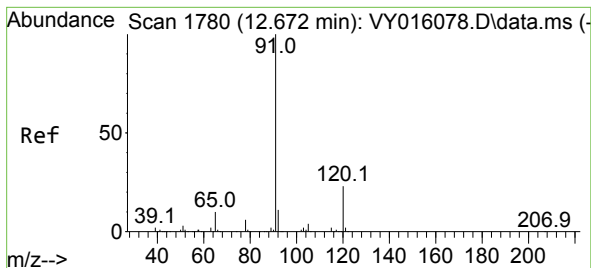
Ion Ratio Lower Upper

156 100

77 2.1 92.8 278.6#

158 0.1 48.4 145.3#





#78

n-propylbenzene

Concen: 159.993 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Instrument :

MSVOA_Y

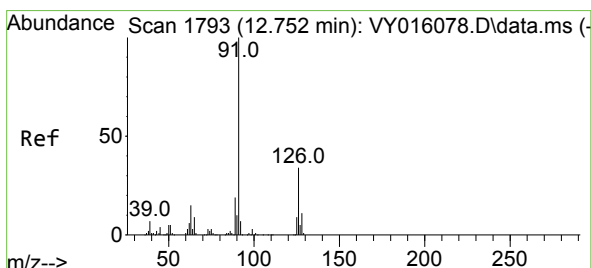
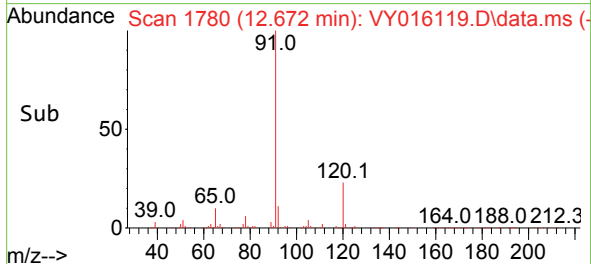
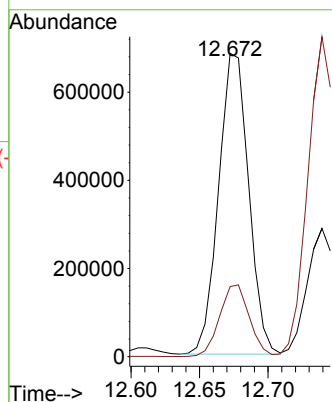
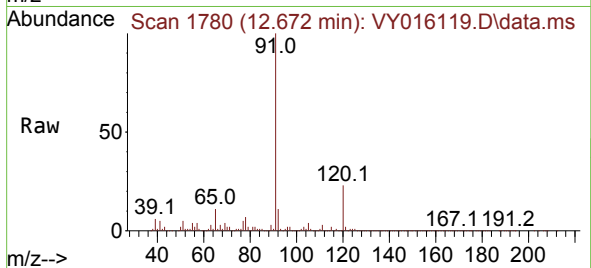
ClientSampleId :

Tgt Ion: 91 Resp: 1040899

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.4



#79

2-Chlorotoluene

Concen: 121.992 ug/l

RT: 12.739 min Scan# 1791

Delta R.T. -0.012 min

Lab File: VY016119.D

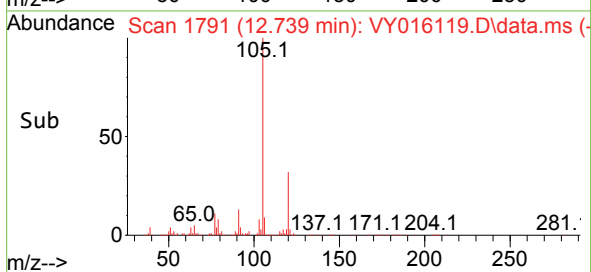
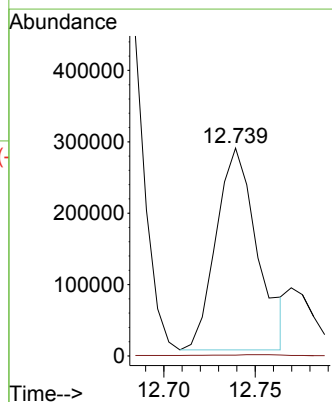
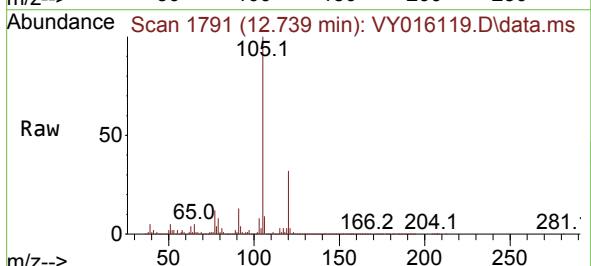
Acq: 27 Oct 2023 21:14

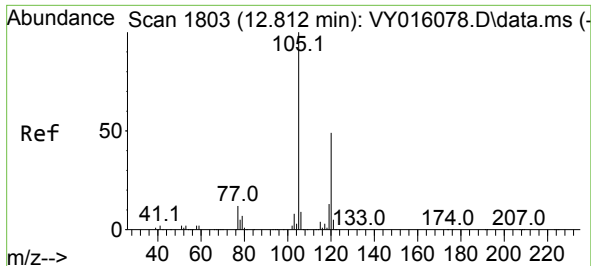
Tgt Ion: 91 Resp: 444498

Ion Ratio Lower Upper

91 100

126 0.8 17.3 51.7#

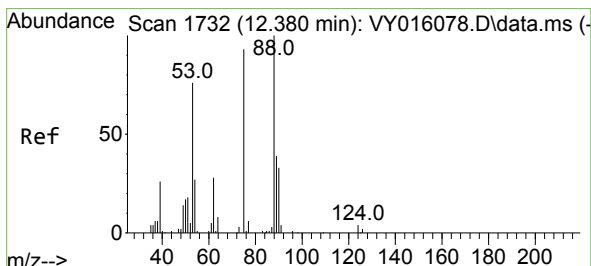
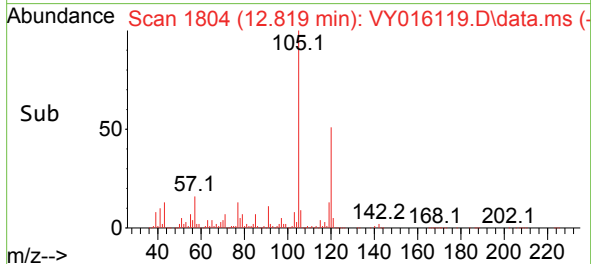
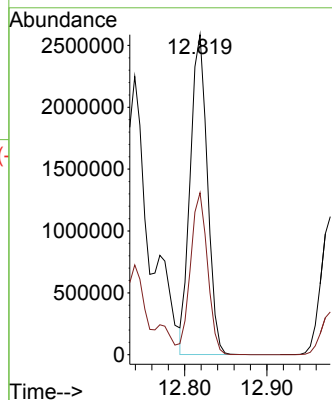
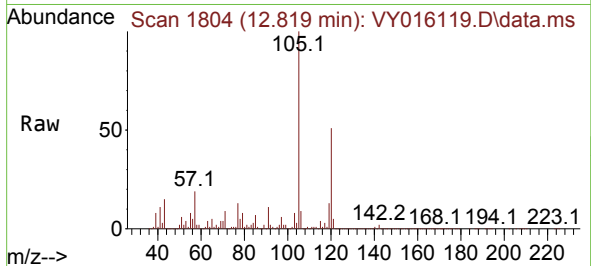




#80
1,3,5-Trimethylbenzene
Concen: 836.351 ug/l
RT: 12.819 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

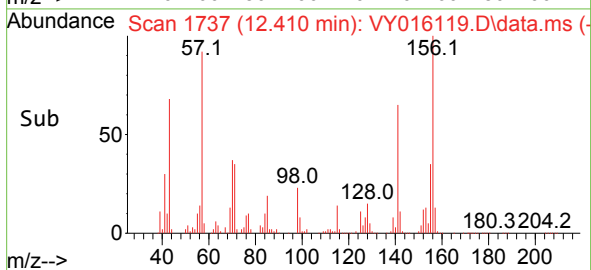
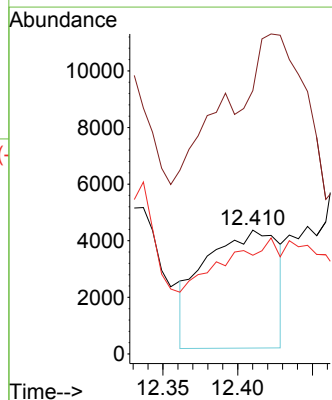
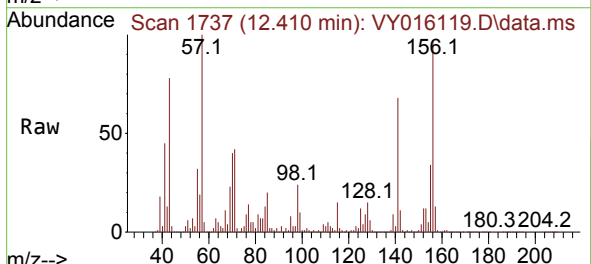
Instrument :
MSVOA_Y
ClientSampleId :

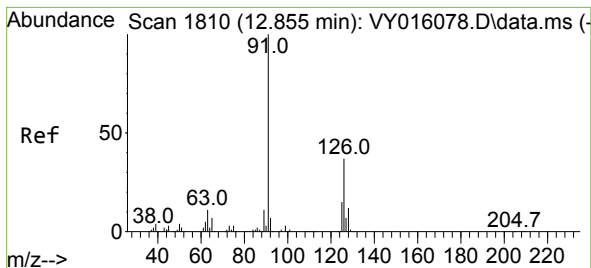
Tgt Ion:105 Resp: 3731031
Ion Ratio Lower Upper
105 100
120 51.0 23.9 71.7



#81
trans-1,4-Dichloro-2-butene
Concen: 39.618 ug/l
RT: 12.410 min Scan# 1737
Delta R.T. 0.030 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Tgt Ion: 75 Resp: 14211
Ion Ratio Lower Upper
75 100
53 94.0 77.8 116.8
89 33.3 37.4 56.0#

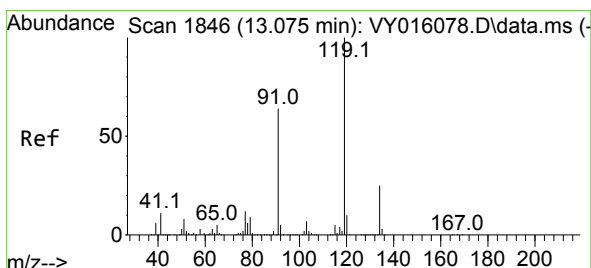
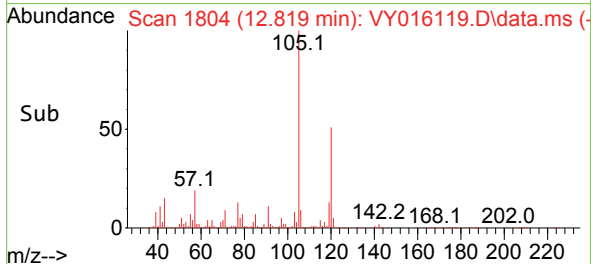
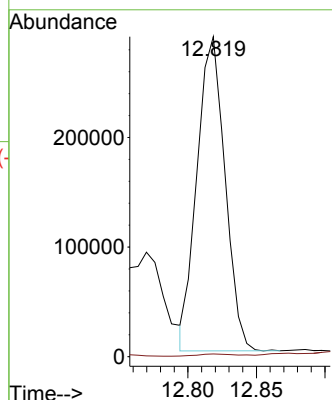
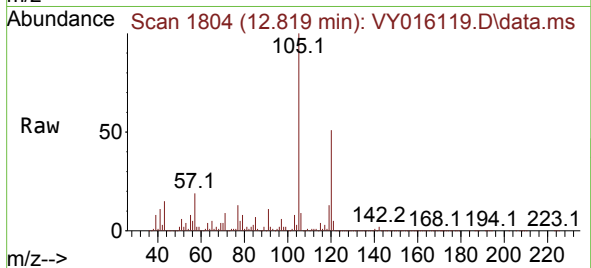




#82
4-Chlorotoluene
Concen: 107.768 ug/l
RT: 12.819 min Scan# 1810
Delta R.T. -0.037 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

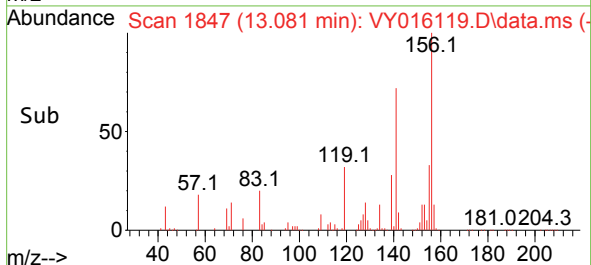
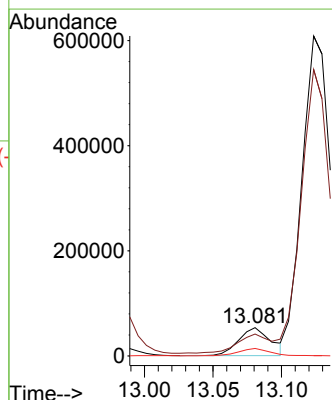
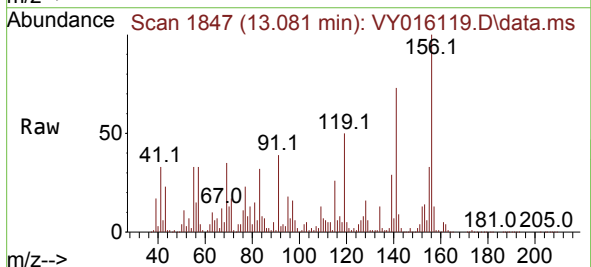
Instrument :
MSVOA_Y
ClientSampleId :

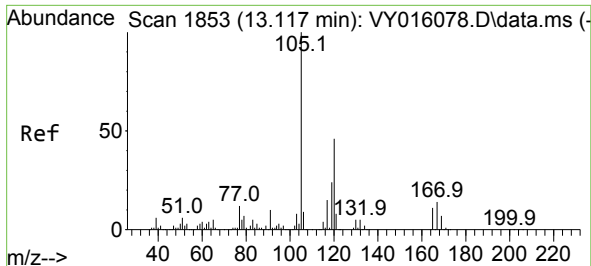
Tgt Ion: 91 Resp: 407225
Ion Ratio Lower Upper
91 100
126 1.1 17.2 51.6#



#83
tert-Butylbenzene
Concen: 21.767 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.006 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Tgt Ion: 119 Resp: 86315
Ion Ratio Lower Upper
119 100
91 67.3 32.9 98.6
134 25.3 13.0 38.9

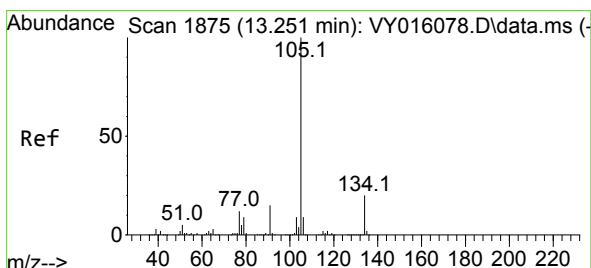
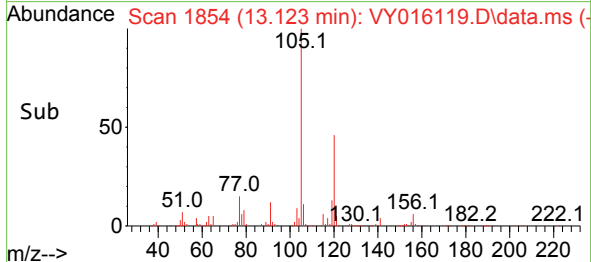
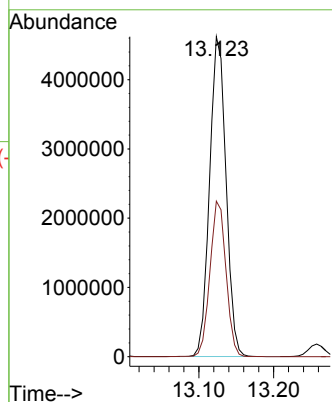
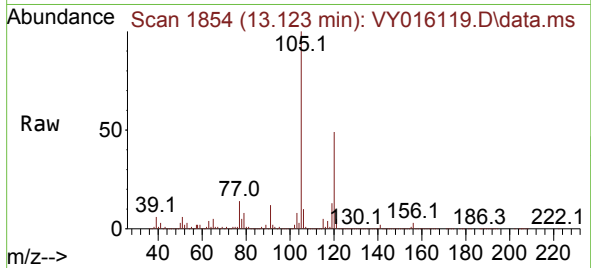




#84
1,2,4-Trimethylbenzene
Concen: 1601.532 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

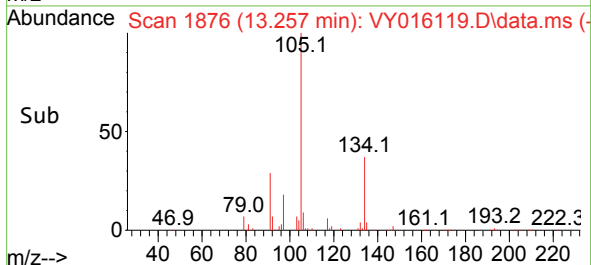
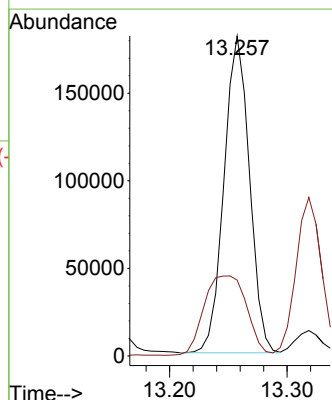
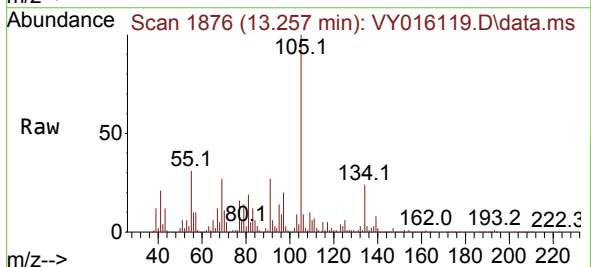
Instrument :
MSVOA_Y
ClientSampleId :

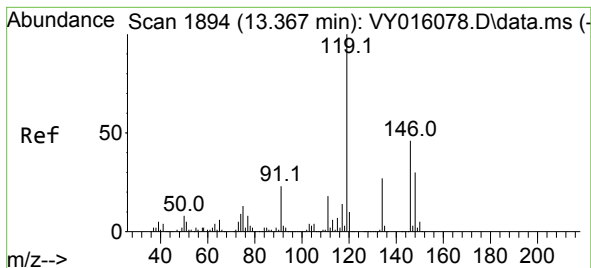
Tgt Ion:105 Resp: 7056181
Ion Ratio Lower Upper
105 100
120 47.5 22.2 66.6



#85
sec-Butylbenzene
Concen: 46.100 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY016119.D
Acq: 27 Oct 2023 21:14

Tgt Ion:105 Resp: 272267
Ion Ratio Lower Upper
105 100
134 41.8 10.2 30.6#





#86

p-Isopropyltoluene

Concen: 66.484 ug/l

RT: 13.373 min Scan# 119

Delta R.T. 0.006 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Instrument :

MSVOA_Y

ClientSampleId :

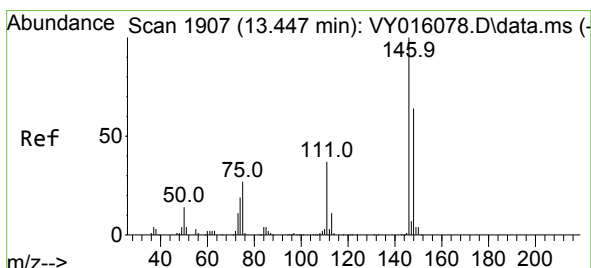
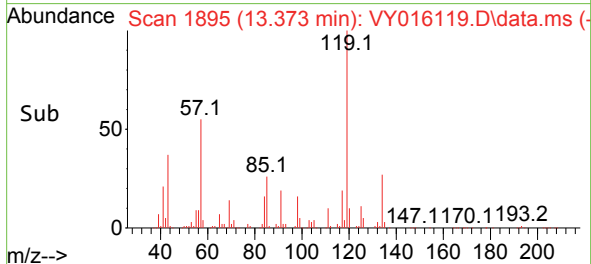
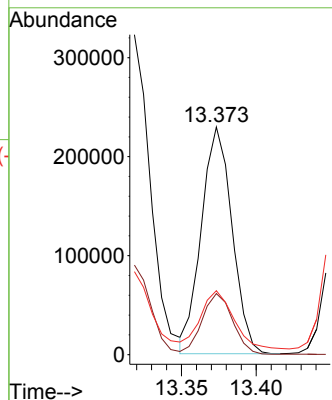
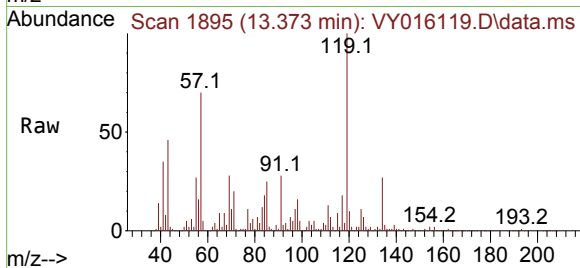
Tgt Ion:119 Resp: 327644

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 27.3 12.4 37.4



#88

1,4-Dichlorobenzene

Concen: 4.589 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

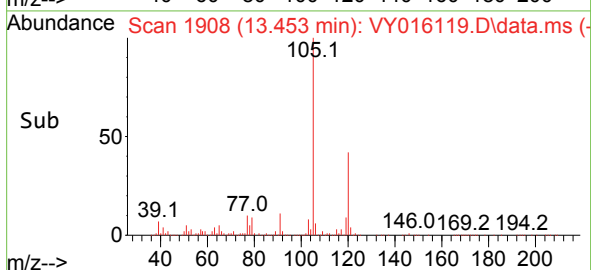
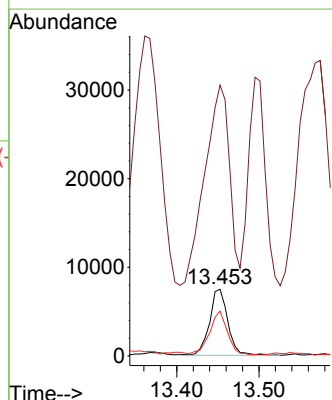
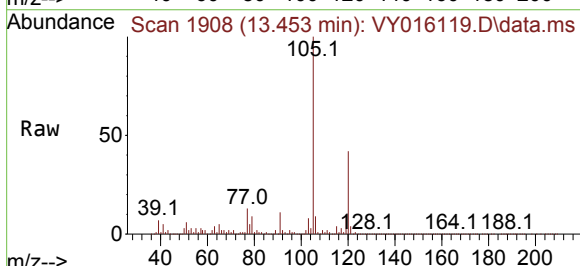
Tgt Ion:146 Resp: 11484

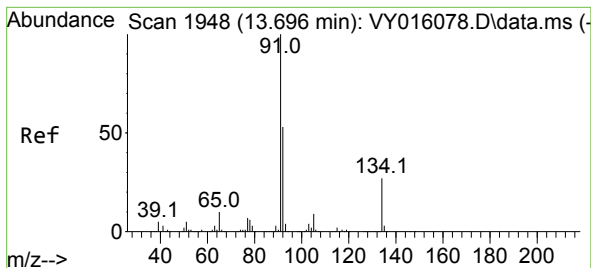
Ion Ratio Lower Upper

146 100

111 413.1 18.9 56.7#

148 63.7 32.1 96.5





#89

n-Butylbenzene

Concen: 35.944 ug/l

RT: 13.703 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Instrument :

MSVOA_Y

ClientSampleId :

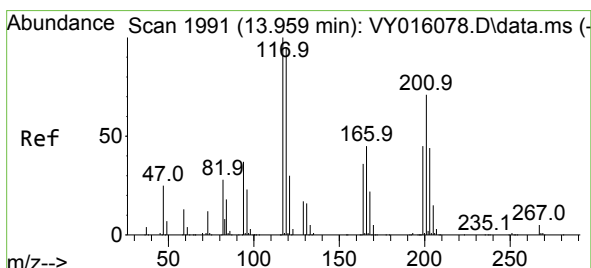
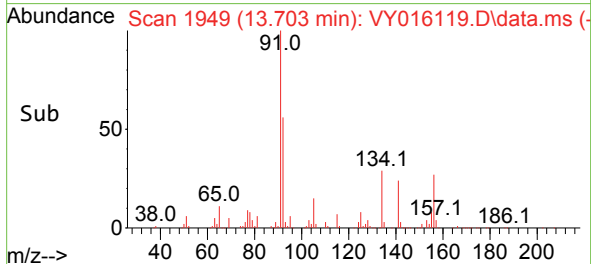
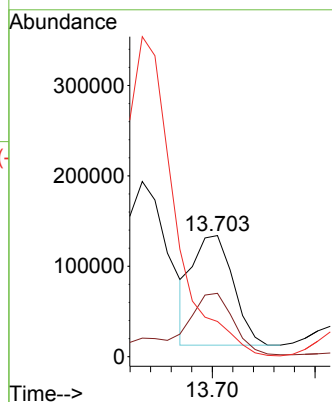
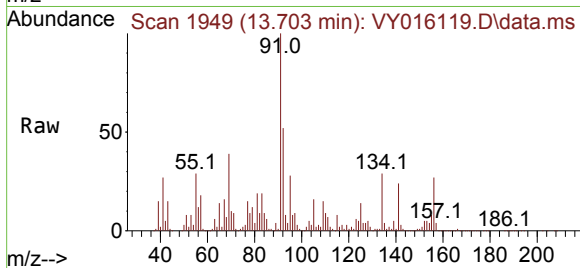
Tgt Ion: 91 Resp: 165239

Ion Ratio Lower Upper

91 100

92 76.4 25.4 76.0#

134 0.0 12.6 37.6#



#90

Hexachloroethane

Concen: 83.117 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.018 min

Lab File: VY016119.D

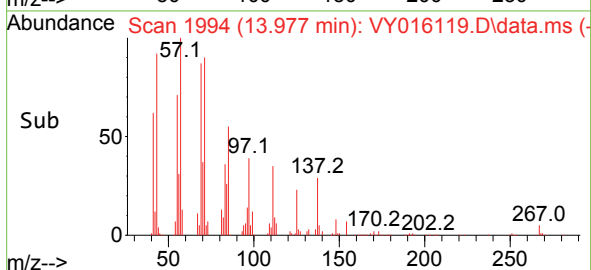
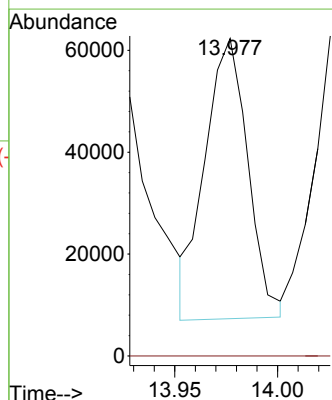
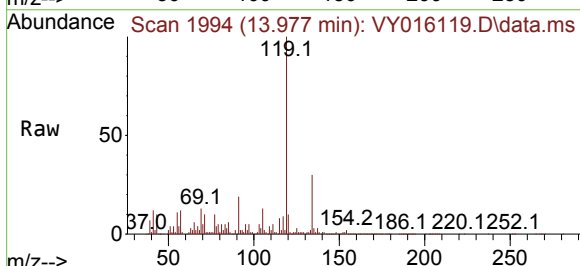
Acq: 27 Oct 2023 21:14

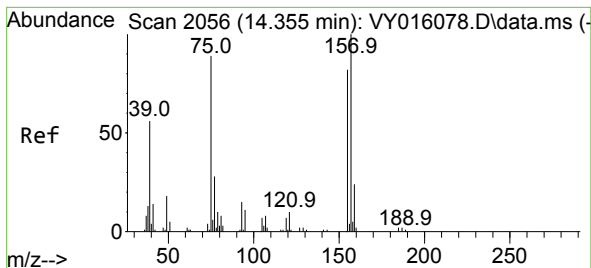
Tgt Ion: 117 Resp: 79748

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#

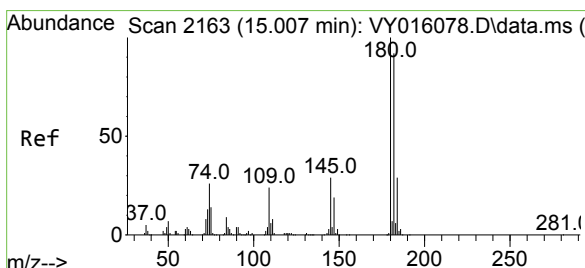
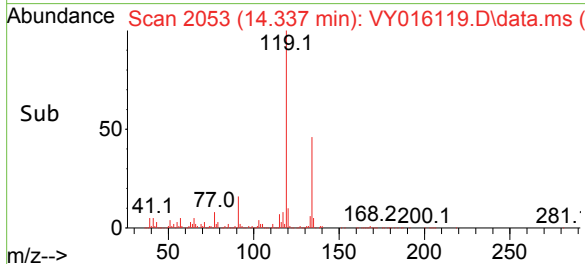
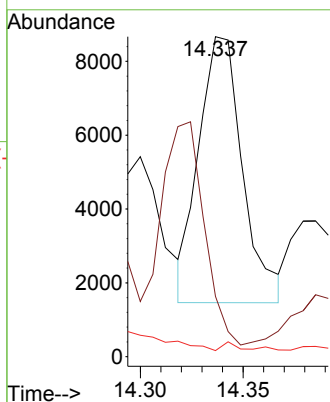
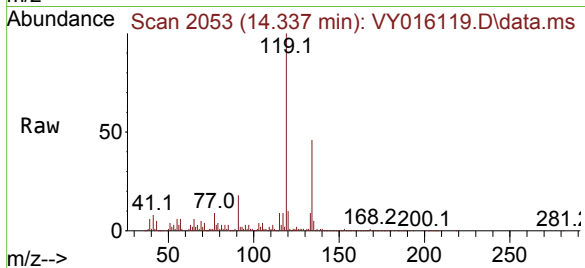




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.965 ug/l
 RT: 14.337 min Scan# 2053
 Delta R.T. -0.018 min
 Lab File: VY016119.D
 Acq: 27 Oct 2023 21:14

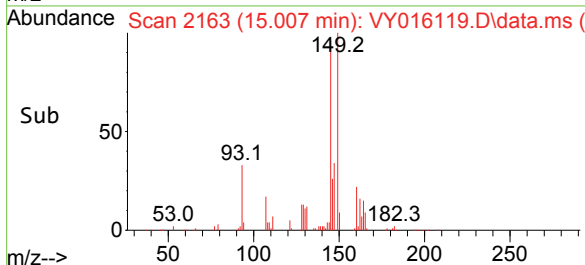
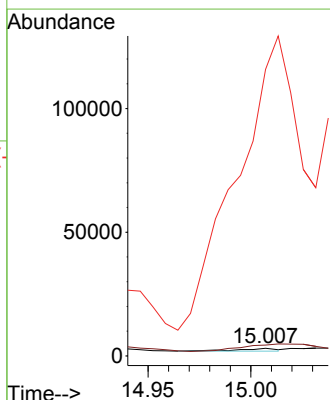
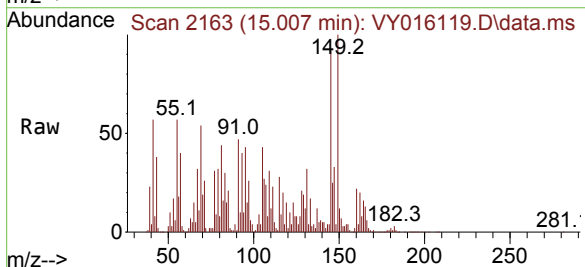
Instrument :
 MSVOA_Y
 ClientSampleId :

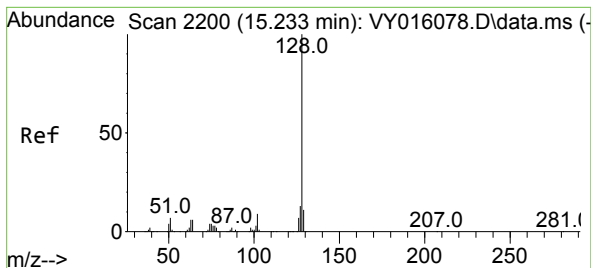
Tgt Ion: 75 Resp: 10685
 Ion Ratio Lower Upper
 75 100
 155 81.2 41.5 124.6
 157 1.1 51.8 155.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.089 ug/l
 RT: 15.007 min Scan# 2163
 Delta R.T. -0.000 min
 Lab File: VY016119.D
 Acq: 27 Oct 2023 21:14

Tgt Ion: 180 Resp: 1510
 Ion Ratio Lower Upper
 180 100
 182 517.4 47.0 141.2#
 145 19652.5 14.5 43.5#





#95

Naphthalene

Concen: 7207.168 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Instrument :

MSVOA_Y

ClientSampleId :

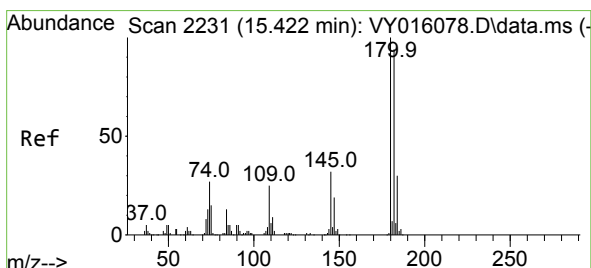
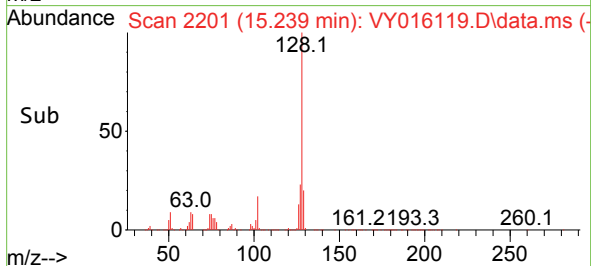
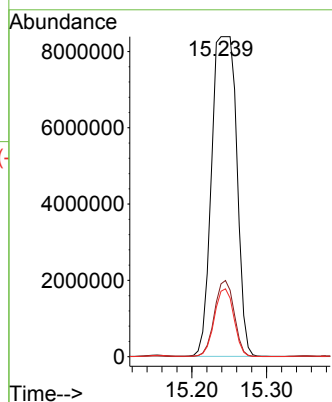
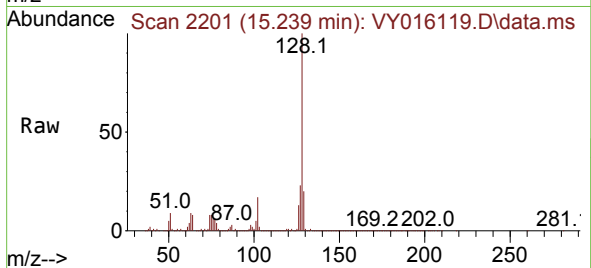
Tgt Ion:128 Resp:19495263

Ion Ratio Lower Upper

128 100

127 18.7 10.8 16.2#

129 16.5 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 7.223 ug/l

RT: 15.397 min Scan# 2227

Delta R.T. -0.024 min

Lab File: VY016119.D

Acq: 27 Oct 2023 21:14

Tgt Ion:180 Resp: 8639

Ion Ratio Lower Upper

180 100

182 117.8 47.3 141.8

145 2984.4 15.4 46.2#

