

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016111.D
 Acq On : 27 Oct 2023 18:07
 Operator : SY/MD
 Sample : 05107-03
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 06:11:19 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	163962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	265222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	239996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	103427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	95538	58.599	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.200%
35) Dibromofluoromethane	7.716	113	84594	50.524	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.040%
50) Toluene-d8	10.179	98	341849	55.119	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.240%
62) 4-Bromofluorobenzene	12.477	95	112432	52.848	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.700%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	3033	Below Cal	#	89
13) Acrolein	3.698	56	935	4.604	ug/l #	1
15) Acrylonitrile	5.247	53	2950	7.078	ug/l #	36
16) Acetone	3.948	43	21924	49.612	ug/l	96
17) Carbon Disulfide	4.186	76	3897	1.006	ug/l #	94
20) Methylene Chloride	4.716	84	24616	9.593	ug/l	89
25) 2-Butanone	6.978	43	10385	17.412	ug/l #	72
26) 2,2-Dichloropropane	6.972	77	2804	1.045	ug/l #	54
31) Cyclohexane	7.783	56	259102	101.017	ug/l	94
36) 1,1-Dichloropropene	7.789	75	12139	5.201	ug/l #	50
37) Ethyl Acetate	6.978	43	10385	8.681	ug/l #	83
38) Carbon Tetrachloride	7.783	117	15383	6.233	ug/l #	15
39) Methylcyclohexane	9.185	83	641298	225.550	ug/l	94
40) Benzene	8.161	78	11776563	1782.226	ug/l	96
42) 1,2-Dichloroethane	8.161	62	102533	53.701	ug/l #	78
43) Isopropyl Acetate	8.264	43	16893	7.553	ug/l #	55
48) Methyl methacrylate	9.240	41	18418	17.874	ug/l #	33
51) 4-Methyl-2-Pentanone	9.959	43	191448	162.213	ug/l #	45
52) Toluene	10.246	92	9488756	2236.254	ug/l	81
53) t-1,3-Dichloropropene	10.240	75	118603	48.907	ug/l #	1
55) 1,1,2-Trichloroethane	10.618	97	65868	47.276	ug/l #	18
56) Ethyl methacrylate	10.520	69	37522	20.956	ug/l #	45
59) 2-Hexanone	10.801	43	75169	86.461	ug/l #	34
67) Ethyl Benzene	11.593	91	1865602	222.702	ug/l	97
68) m/p-Xylenes	11.697	106	3770660	1163.114	ug/l	91
69) o-Xylene	12.026	106	1704488	549.196	ug/l	96
70) Styrene	12.044	104	475212	91.856	ug/l #	53
73) Isopropylbenzene	12.331	105	158762	21.812	ug/l	99
74) N-amyl acetate	12.124	43	35025	19.734	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.642	83	13698	9.206	ug/l #	68
76) 1,2,3-Trichloropropane	12.672	75	1868	1.769	ug/l #	100
77) Bromobenzene	12.404	156	53230	31.335	ug/l #	1
78) n-propylbenzene	12.672	91	327563	37.167	ug/l	99
79) 2-Chlorotoluene	12.733	91	134821	27.314	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.812	105	983095	162.677	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.325	75	2241	4.612	ug/l #	38

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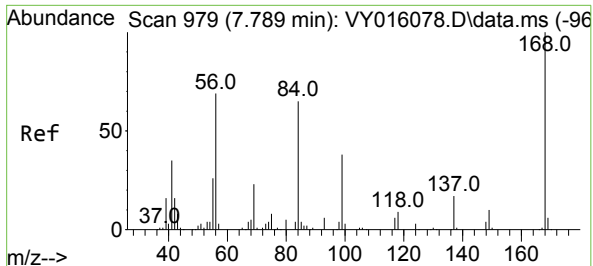
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

82) 4-Chlorotoluene	12.812	91	104098	20.336	ug/l #	41
83) tert-Butylbenzene	13.075	119	16318	3.038	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.117	105	2284083	382.690	ug/l	97
85) sec-Butylbenzene	13.117	105	2284083	285.485	ug/l #	56
86) p-Isopropyltoluene	13.367	119	77151	11.556	ug/l	97
89) n-Butylbenzene	13.696	91	45875	7.366	ug/l #	63
90) Hexachloroethane	13.971	117	24351	18.735	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.330	75	2177	9.320	ug/l #	3
95) Naphthalene	15.239	128	11731976	3201.667	ug/l	97

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

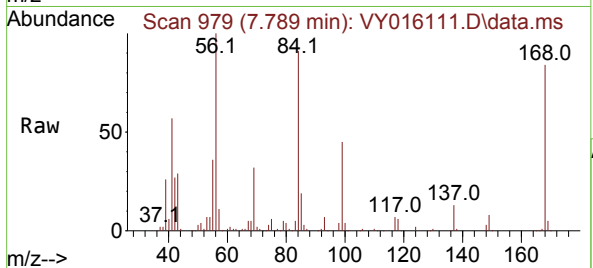
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
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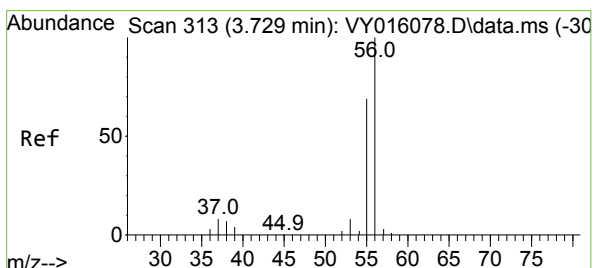
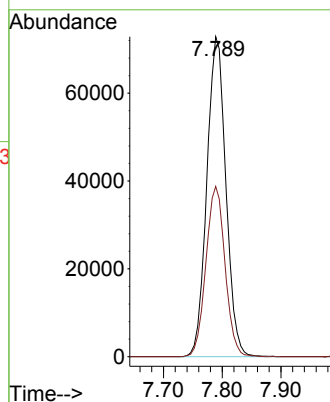
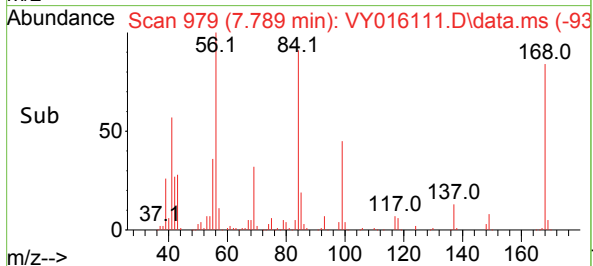


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Instrument :
MSVOA_Y
ClientSampleId :

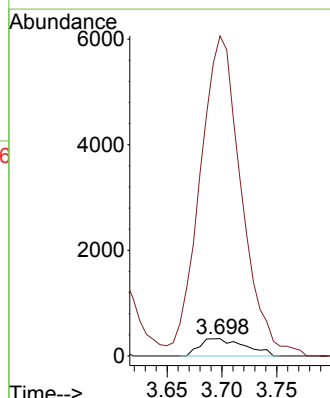
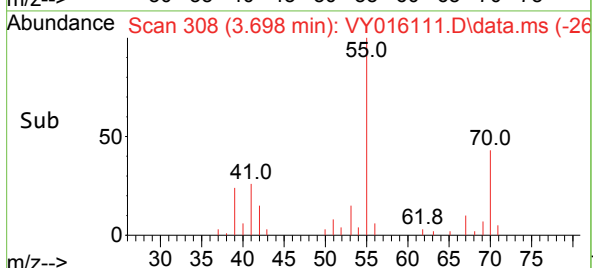
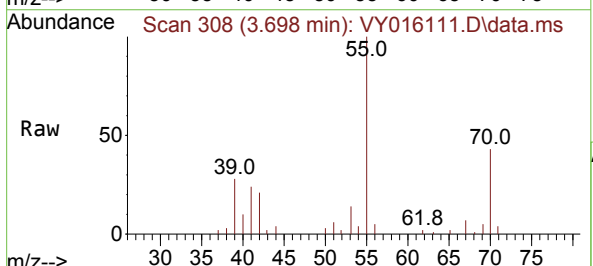


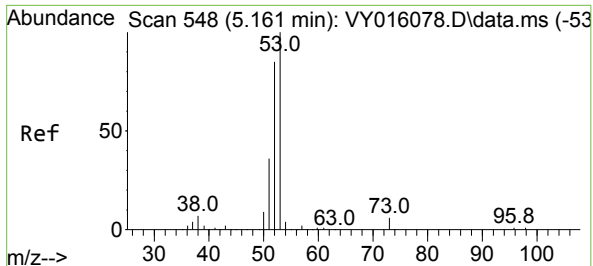
Tgt Ion:168 Resp: 163962
Ion Ratio Lower Upper
168 100
99 53.2 43.4 65.0



#13
Acrolein
Concen: 4.604 ug/l
RT: 3.698 min Scan# 308
Delta R.T. -0.031 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

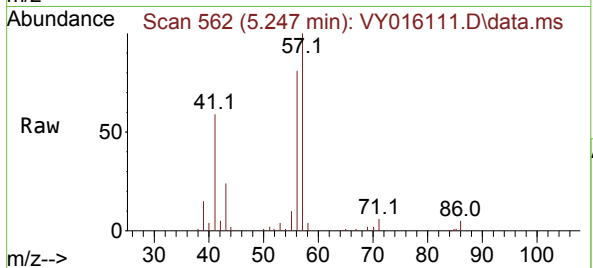
Tgt Ion: 56 Resp: 935
Ion Ratio Lower Upper
56 100
55 1706.0 57.0 85.4#



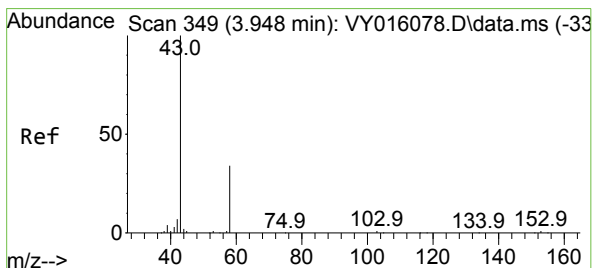
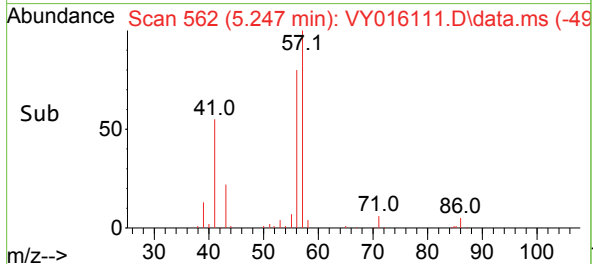
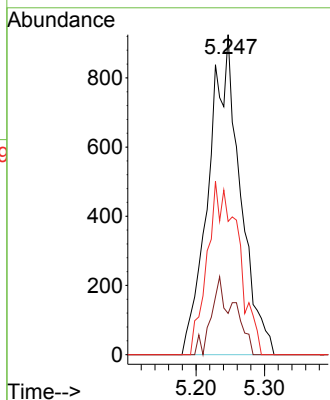


#15
Acrylonitrile
Concen: 7.078 ug/l
RT: 5.247 min Scan# 51
Delta R.T. 0.085 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Instrument :
MSVOA_Y
ClientSampleId :

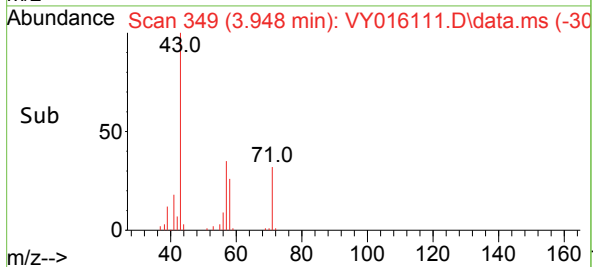
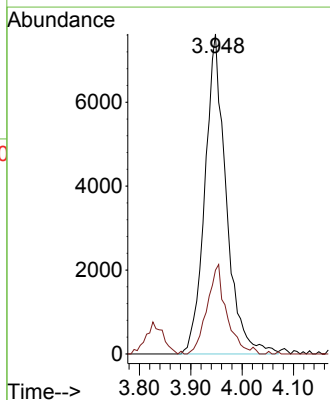
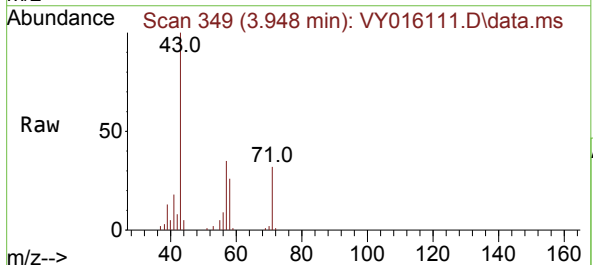


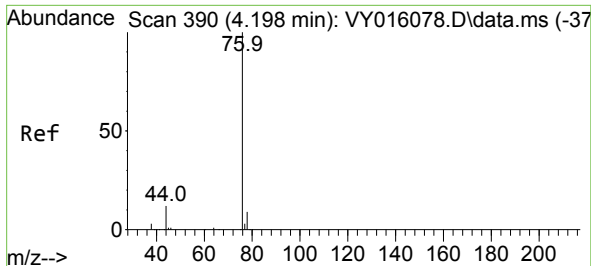
Tgt Ion: 53 Resp: 2950
Ion Ratio Lower Upper
53 100
52 11.0 66.9 100.3#
51 53.5 29.8 44.6#



#16
Acetone
Concen: 49.612 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Tgt Ion: 43 Resp: 21924
Ion Ratio Lower Upper
43 100
58 26.2 22.7 34.1

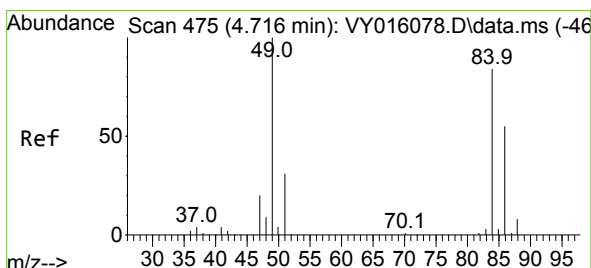
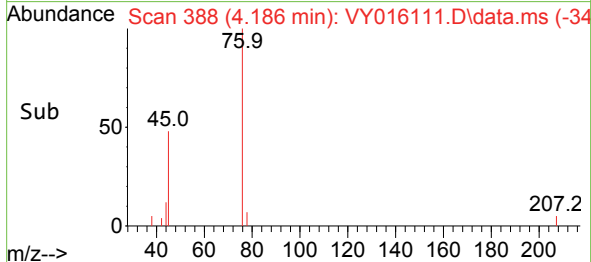
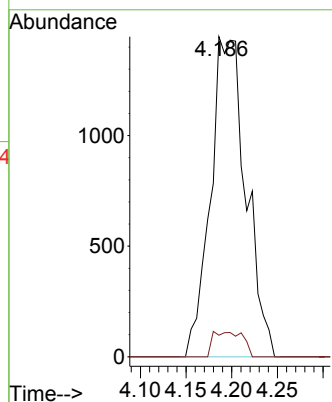
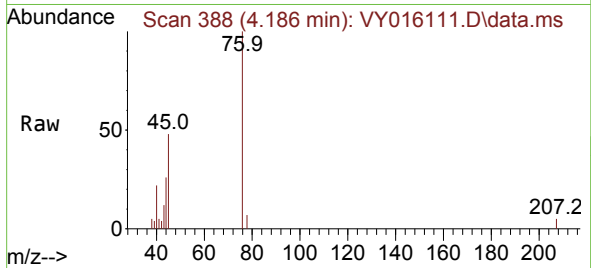




#17
Carbon Disulfide
Concen: 1.006 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

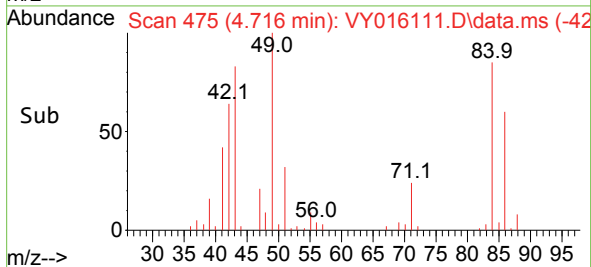
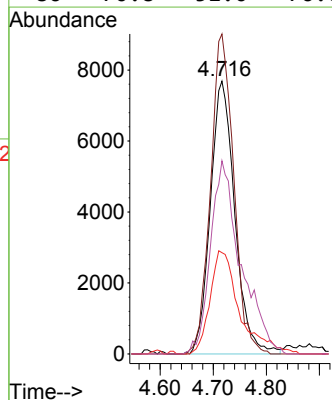
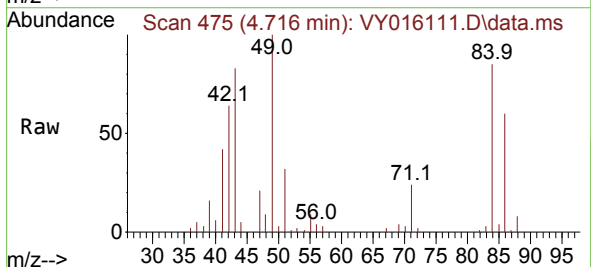
Instrument :
MSVOA_Y
ClientSampleId :

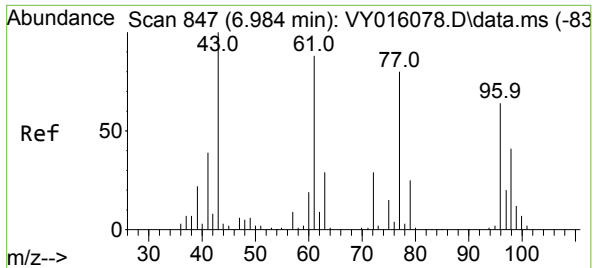
Tgt Ion: 76 Resp: 3897
Ion Ratio Lower Upper
76 100
78 6.7 7.0 10.4#



#20
Methylene Chloride
Concen: 9.593 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Tgt Ion: 84 Resp: 24616
Ion Ratio Lower Upper
84 100
49 117.3 106.9 160.3
51 37.1 33.2 49.8
86 70.8 51.0 76.6

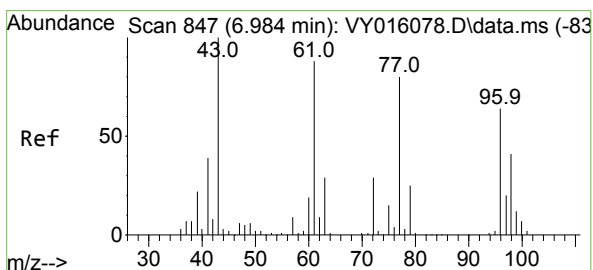
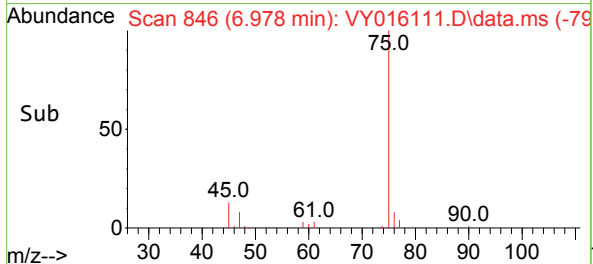
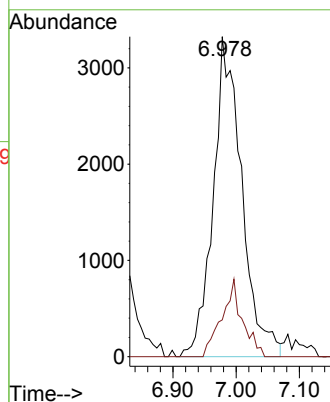
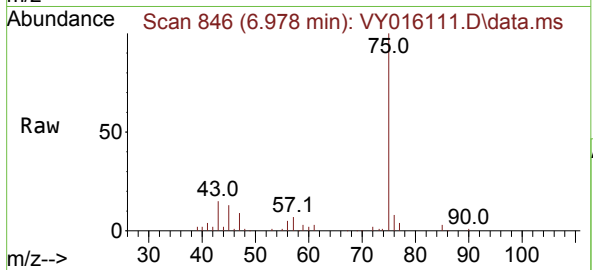




#25
2-Butanone
Concen: 17.412 ug/l
RT: 6.978 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

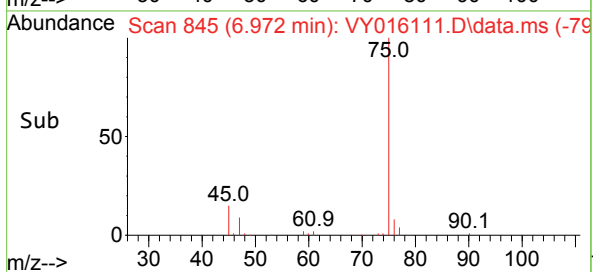
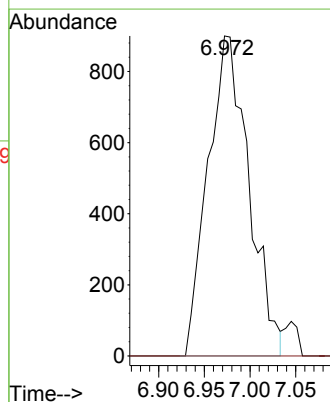
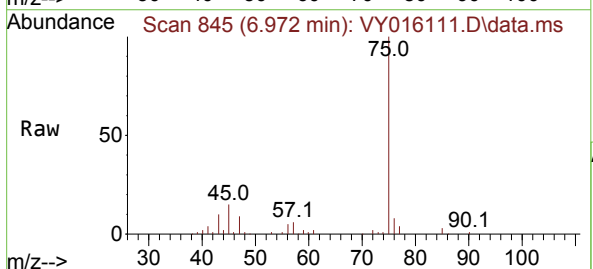
Instrument :
MSVOA_Y
ClientSampleId :

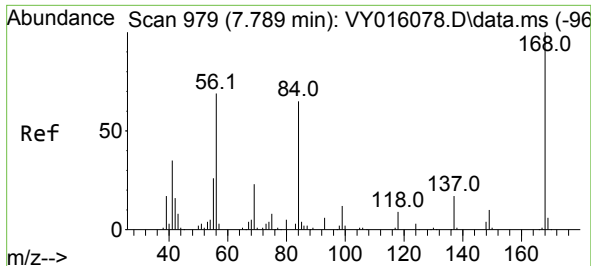
Tgt Ion: 43 Resp: 10385
Ion Ratio Lower Upper
43 100
72 11.5 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.045 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

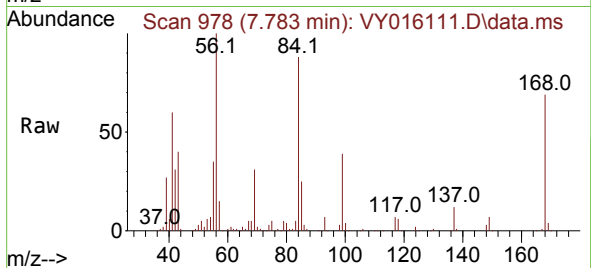
Tgt Ion: 77 Resp: 2804
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



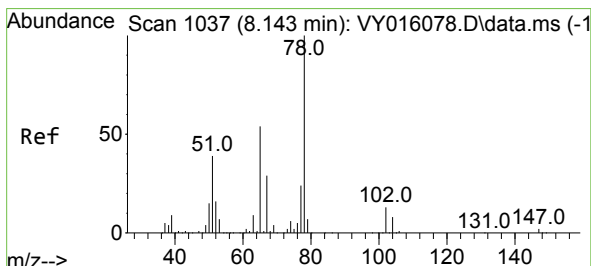
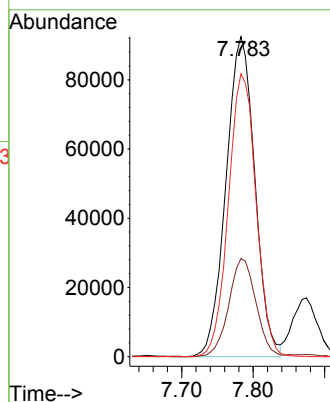
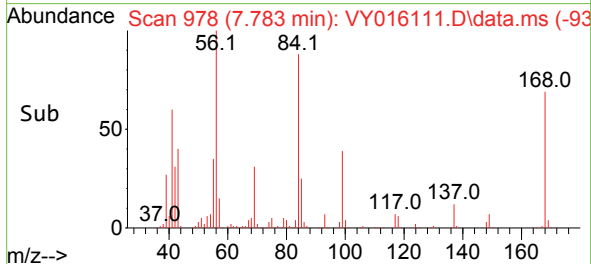


#31
Cyclohexane
Concen: 101.017 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Instrument :
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ClientSampleId :

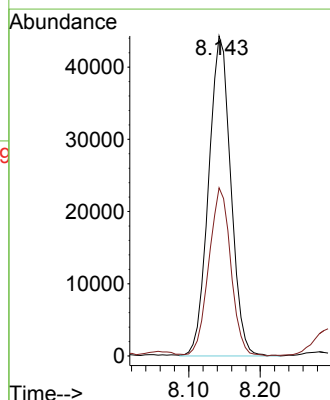
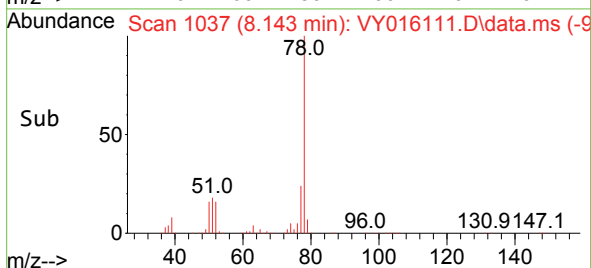
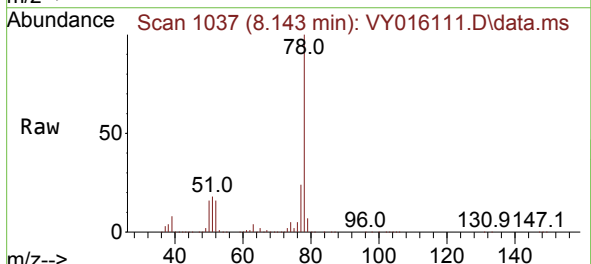


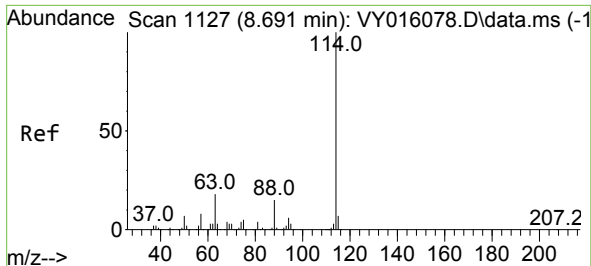
Tgt Ion: 56 Resp: 259102
Ion Ratio Lower Upper
56 100
69 30.6 27.8 41.6
84 88.4 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 58.599 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY016111.D
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Tgt Ion: 65 Resp: 95538
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: VY016111.D

Acq: 27 Oct 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

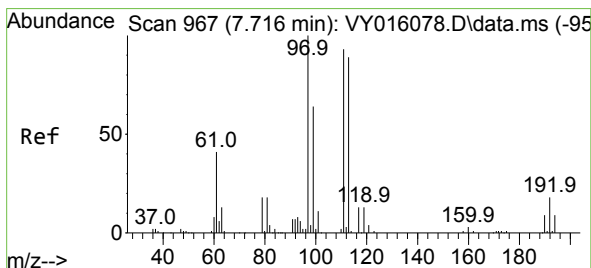
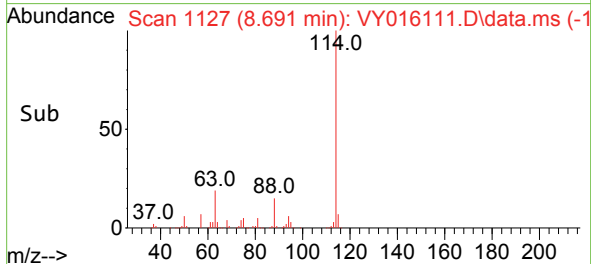
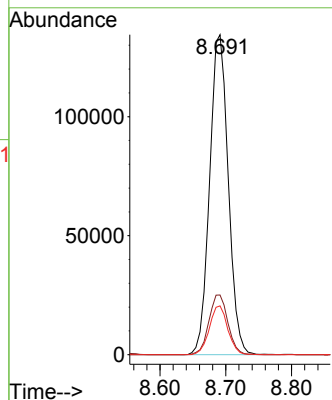
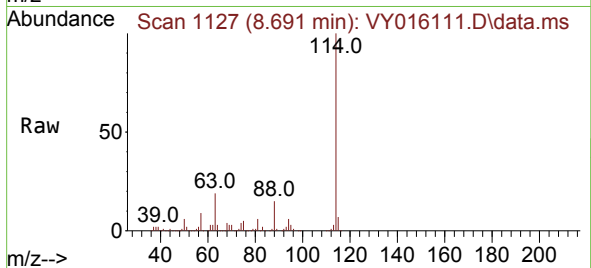
Tgt Ion:114 Resp: 265222

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.524 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

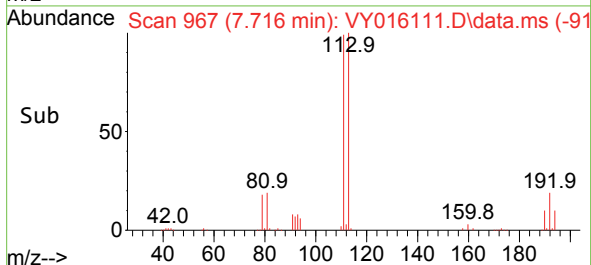
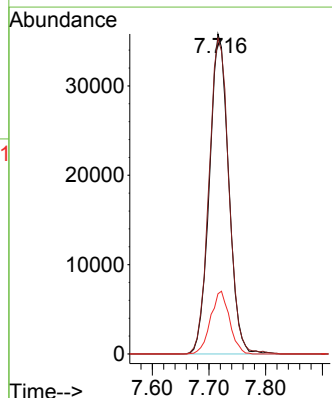
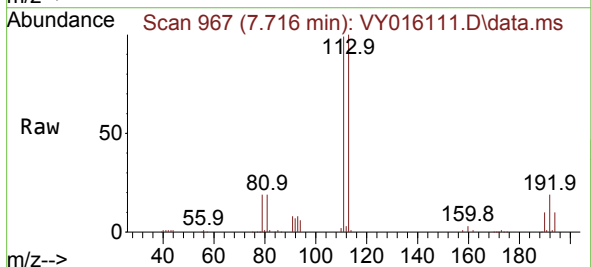
Tgt Ion:113 Resp: 84594

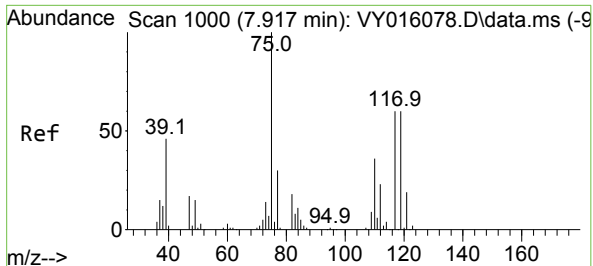
Ion Ratio Lower Upper

113 100

111 101.8 81.3 121.9

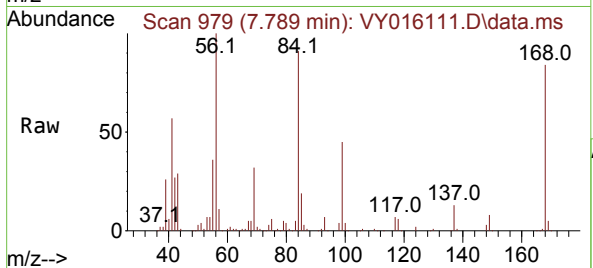
192 19.2 16.9 25.3



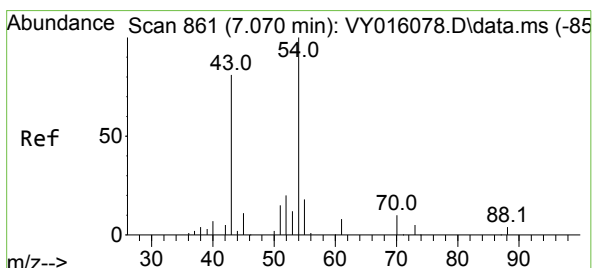
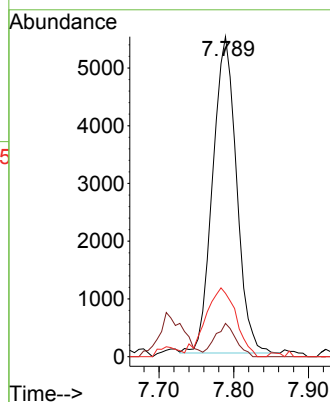
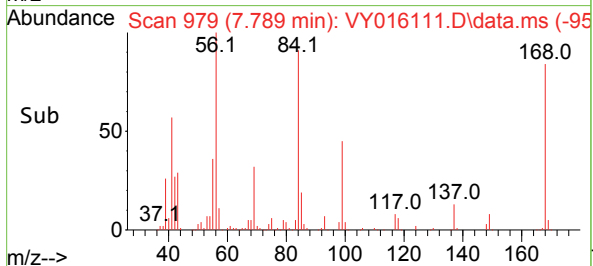


#36
 1,1-Dichloropropene
 Concen: 5.201 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY016111.D
 Acq: 27 Oct 2023 18:07

Instrument :
 MSVOA_Y
 ClientSampleId :

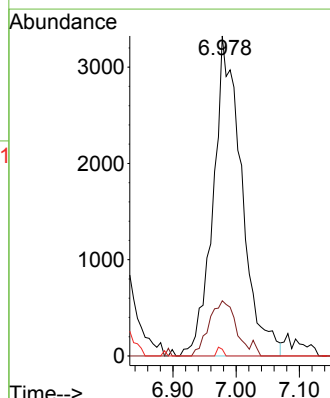
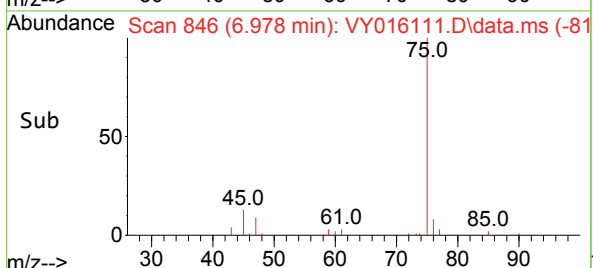
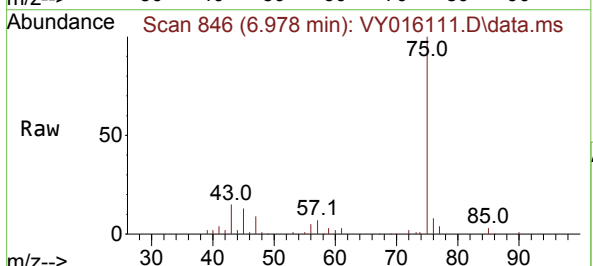


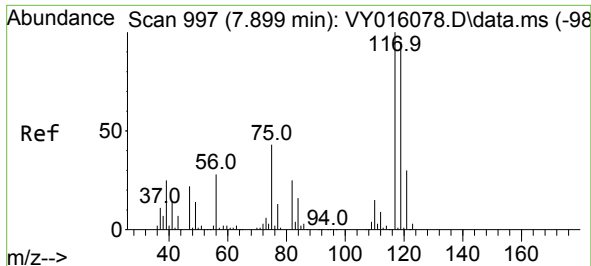
Tgt Ion: 75 Resp: 12139
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.8 53.5#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 8.681 ug/l
 RT: 6.978 min Scan# 846
 Delta R.T. -0.091 min
 Lab File: VY016111.D
 Acq: 27 Oct 2023 18:07

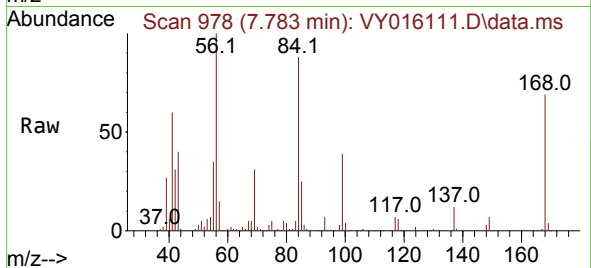
Tgt Ion: 43 Resp: 10385
 Ion Ratio Lower Upper
 43 100
 61 16.9 10.1 15.1#
 70 0.0 7.1 10.7#



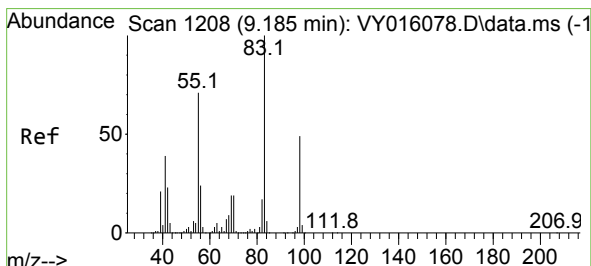
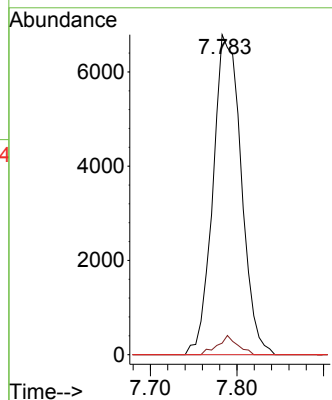
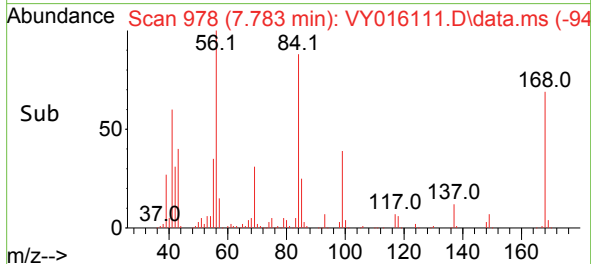


#38
Carbon Tetrachloride
Concen: 6.233 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Instrument :
MSVOA_Y
ClientSampleId :

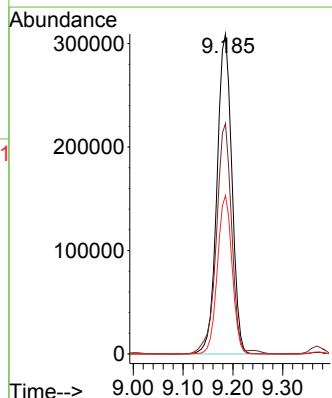
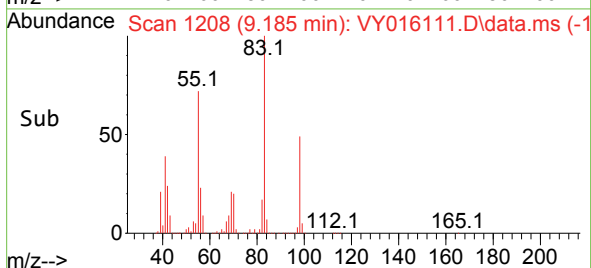
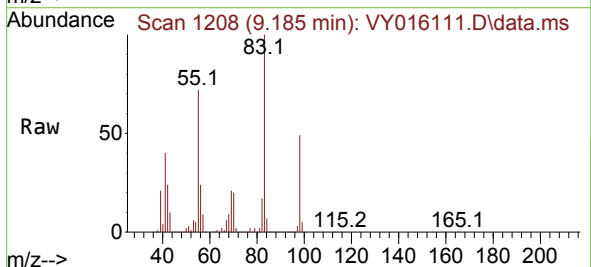


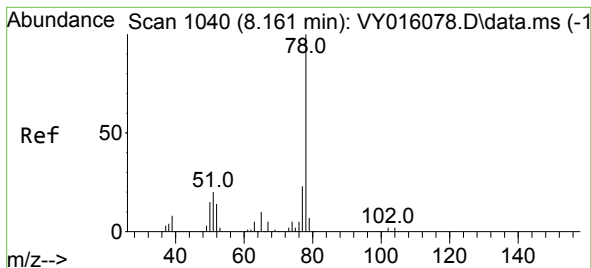
Tgt Ion:117 Resp: 15383
Ion Ratio Lower Upper
117 100
119 3.6 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 225.550 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Tgt Ion: 83 Resp: 641298
Ion Ratio Lower Upper
83 100
55 72.0 63.0 94.4
98 49.5 37.4 56.2





#40

Benzene

Concen: 1782.226 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

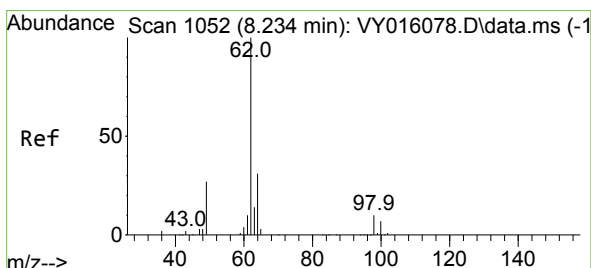
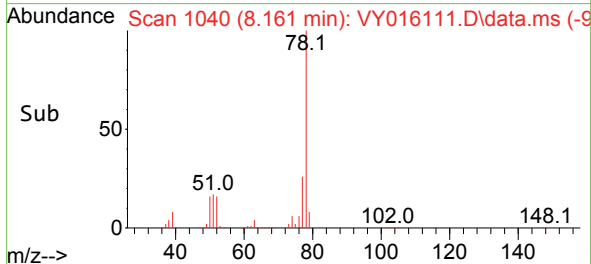
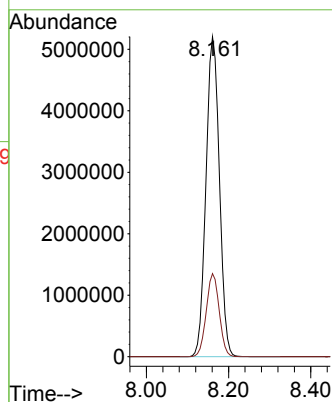
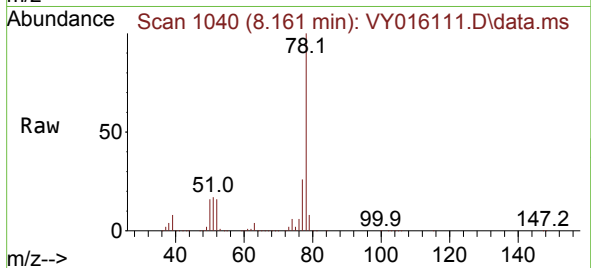
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 78 Resp:11776563

Ion	Ratio	Lower	Upper
78	100		
77	26.0	19.0	28.6



#42

1,2-Dichloroethane

Concen: 53.701 ug/l

RT: 8.161 min Scan# 1040

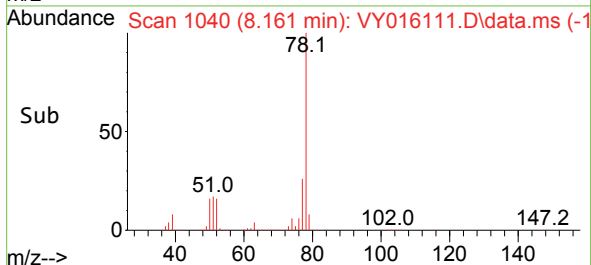
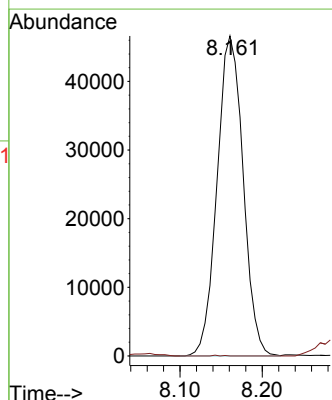
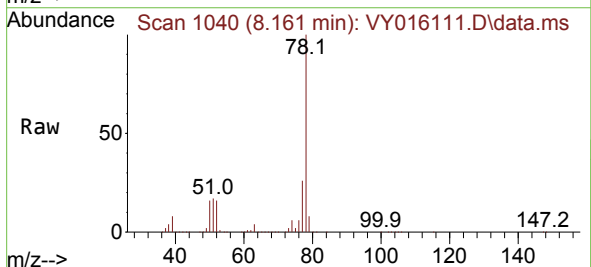
Delta R.T. -0.073 min

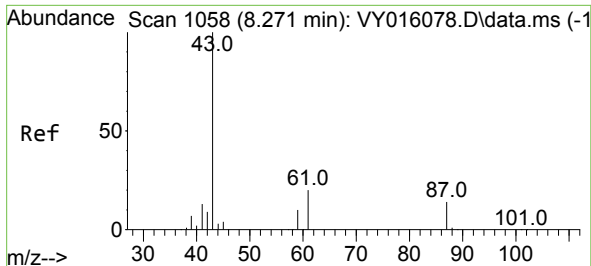
Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

Tgt Ion: 62 Resp: 102533

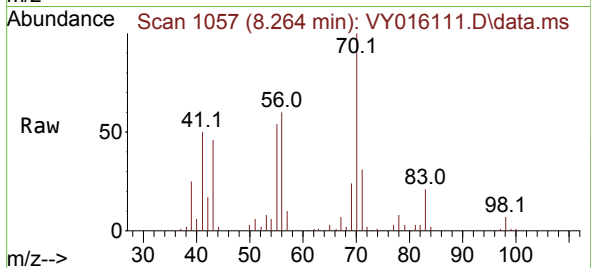
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	15.8



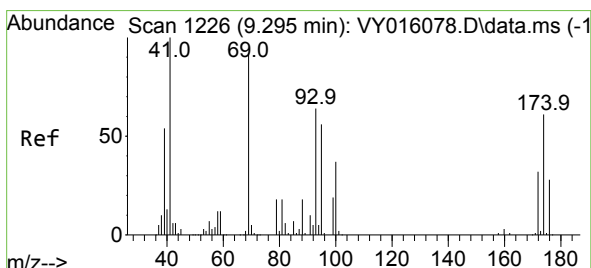
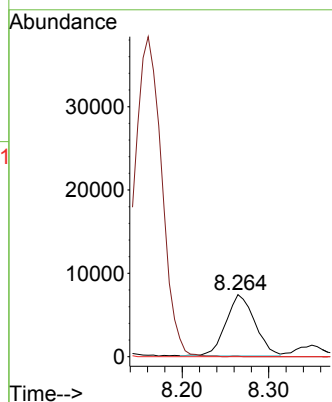
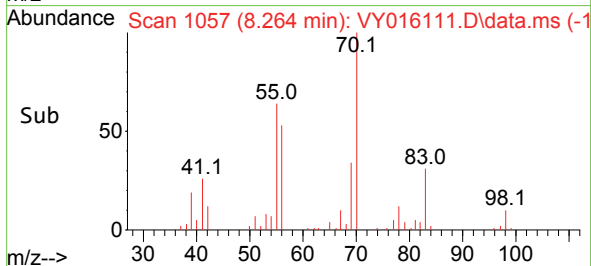


#43
Isopropyl Acetate
Concen: 7.553 ug/l
RT: 8.264 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Instrument :
MSVOA_Y
ClientSampleId :

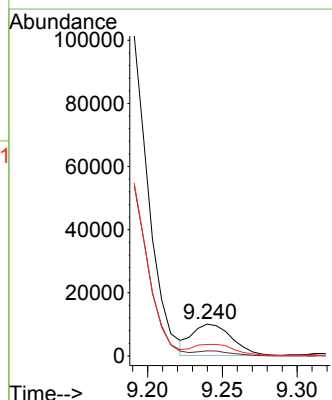
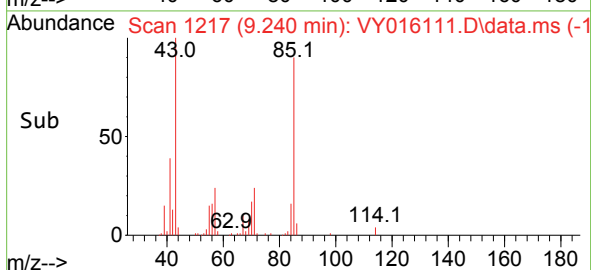
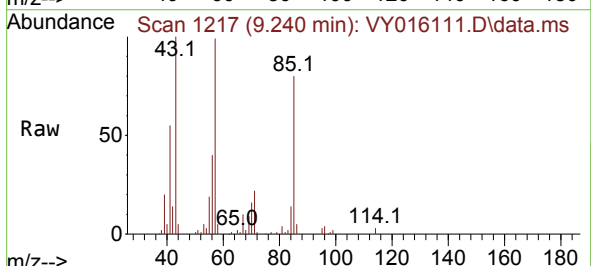


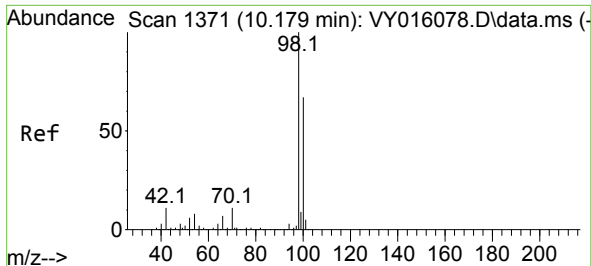
Tgt Ion: 43 Resp: 16893
Ion Ratio Lower Upper
43 100
61 0.0 21.1 31.7#
87 0.0 9.8 14.8#



#48
Methyl methacrylate
Concen: 17.874 ug/l
RT: 9.240 min Scan# 1217
Delta R.T. -0.055 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Tgt Ion: 41 Resp: 18418
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 35.2 50.8 76.2#

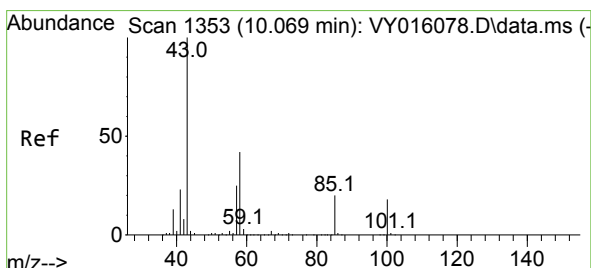
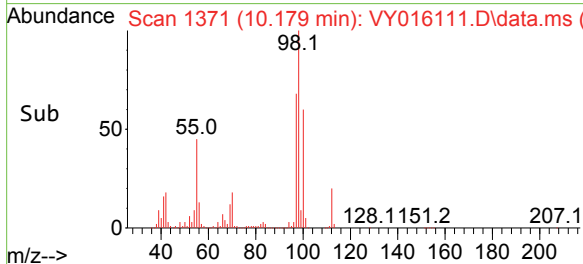
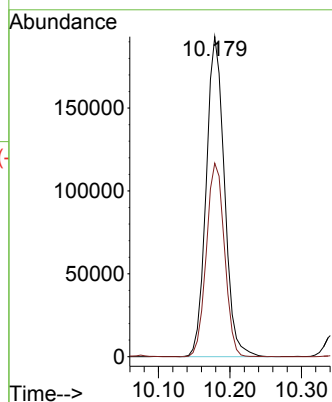
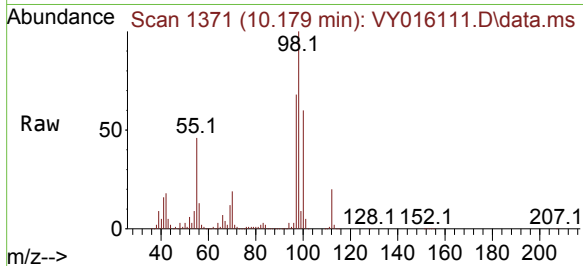




#50
Toluene-d8
Concen: 55.119 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

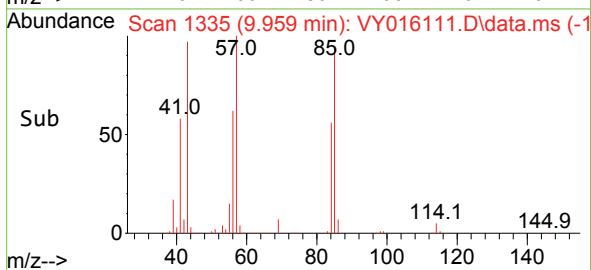
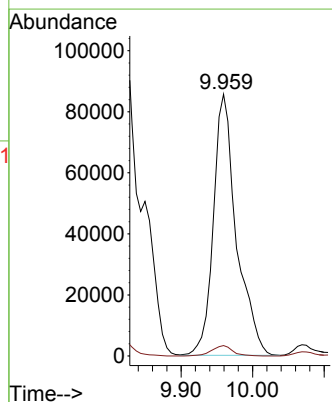
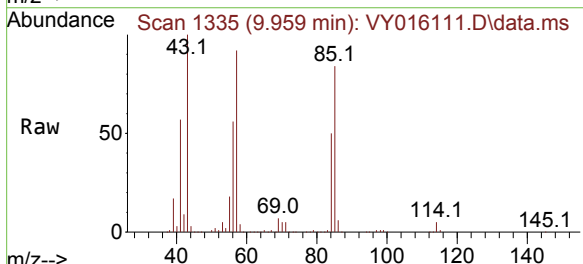
Instrument :
MSVOA_Y
ClientSampleId :

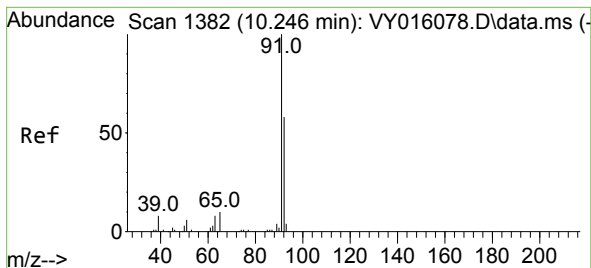
Tgt Ion: 98 Resp: 341849
Ion Ratio Lower Upper
98 100
100 60.0 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 162.213 ug/l
RT: 9.959 min Scan# 1335
Delta R.T. -0.110 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Tgt Ion: 43 Resp: 191448
Ion Ratio Lower Upper
43 100
58 3.6 29.0 43.6#





#52

Toluene

Concen: 2236.254 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

Instrument :

MSVOA_Y

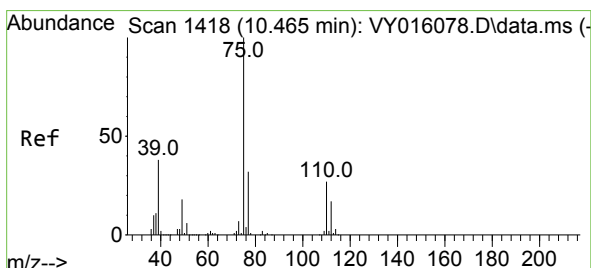
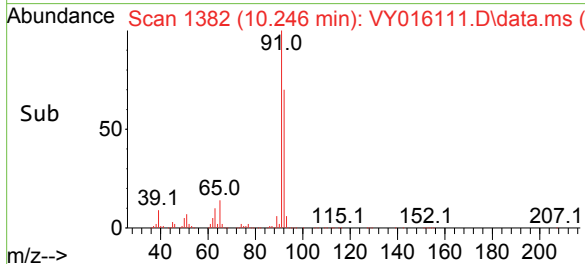
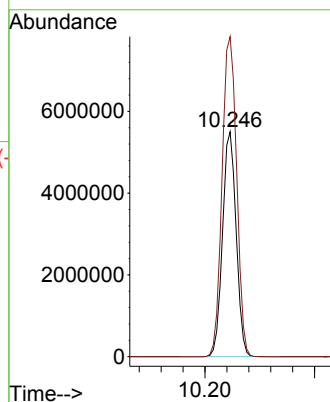
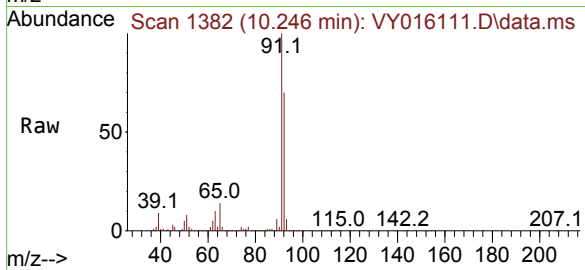
ClientSampleId :

Tgt Ion: 92 Resp: 9488756

Ion Ratio Lower Upper

92 100

91 152.4 143.8 215.6



#53

t-1,3-Dichloropropene

Concen: 48.907 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.226 min

Lab File: VY016111.D

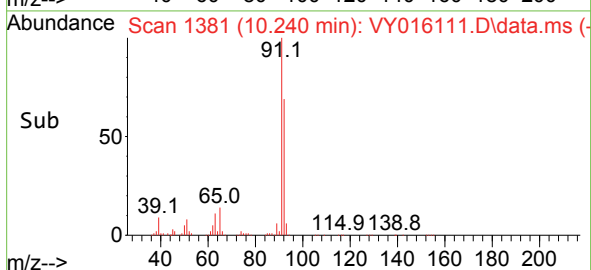
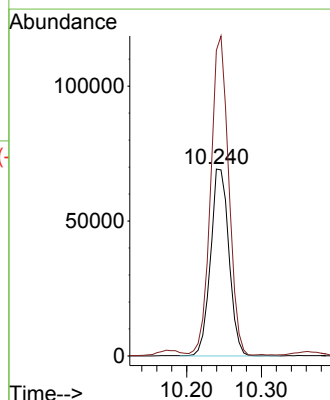
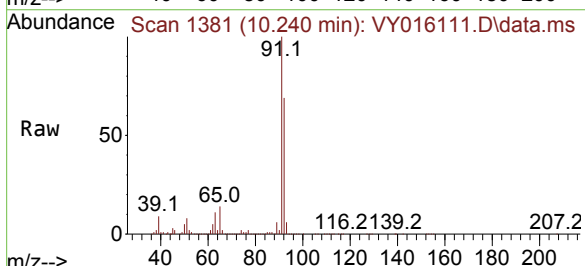
Acq: 27 Oct 2023 18:07

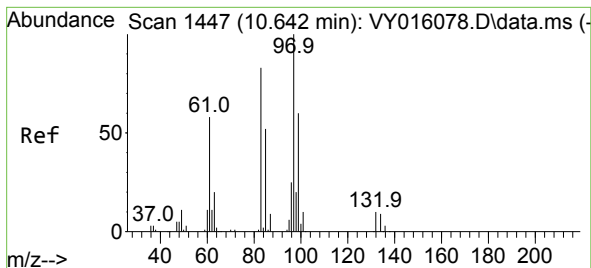
Tgt Ion: 75 Resp: 118603

Ion Ratio Lower Upper

75 100

77 162.9 25.0 37.4#





#55

1,1,2-Trichloroethane

Concen: 47.276 ug/l

RT: 10.618 min Scan# 1443

Delta R.T. -0.024 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 97 Resp: 65868

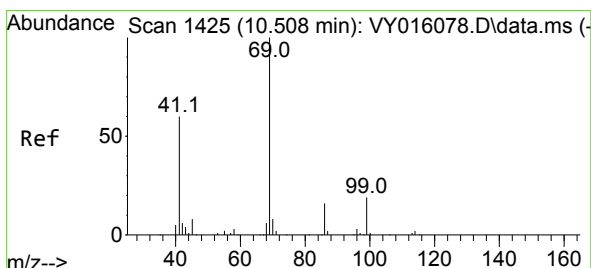
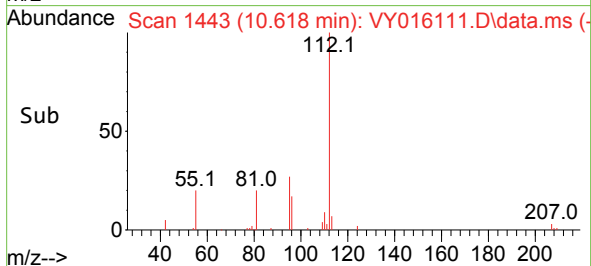
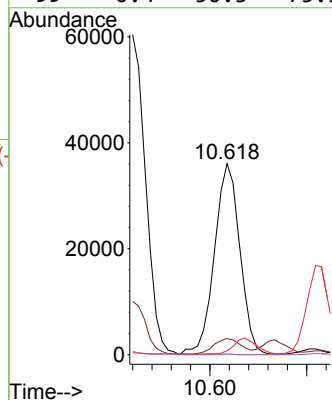
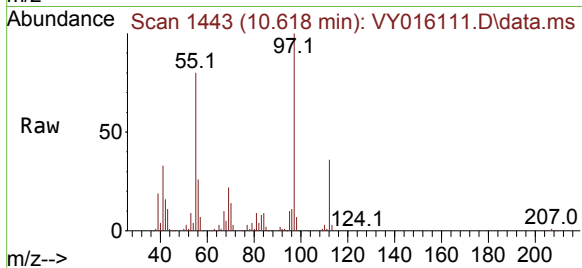
Ion Ratio Lower Upper

97 100

83 8.3 72.0 108.0#

85 1.8 45.4 68.0#

99 0.4 50.3 75.5#



#56

Ethyl methacrylate

Concen: 20.956 ug/l

RT: 10.520 min Scan# 1427

Delta R.T. 0.012 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

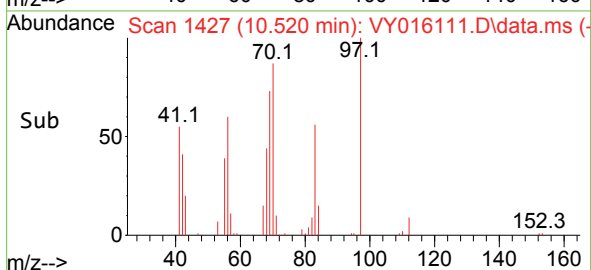
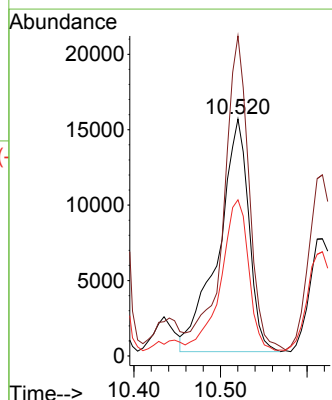
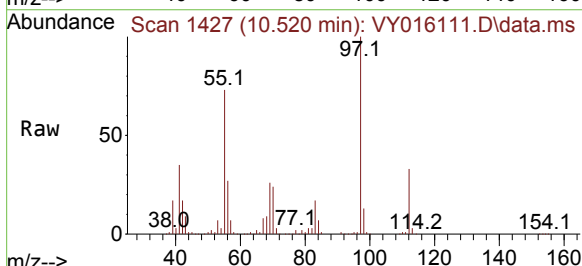
Tgt Ion: 69 Resp: 37522

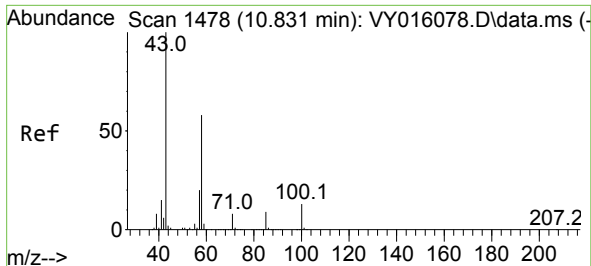
Ion Ratio Lower Upper

69 100

41 111.7 57.6 86.4#

39 0.0 34.1 51.1#

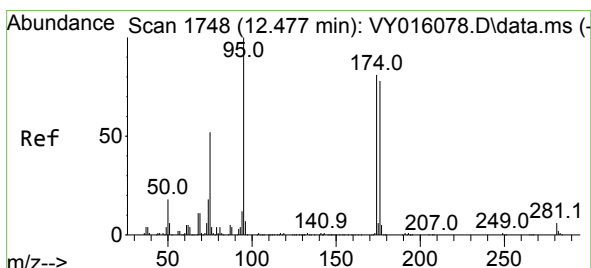
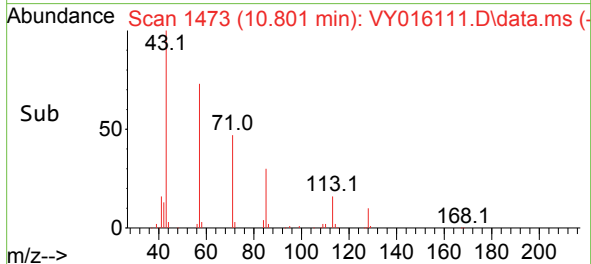
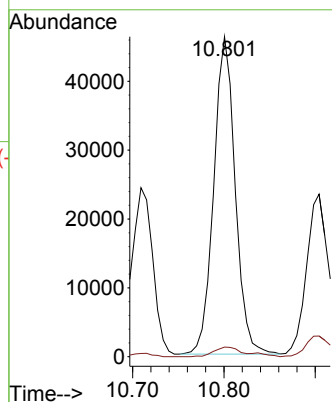
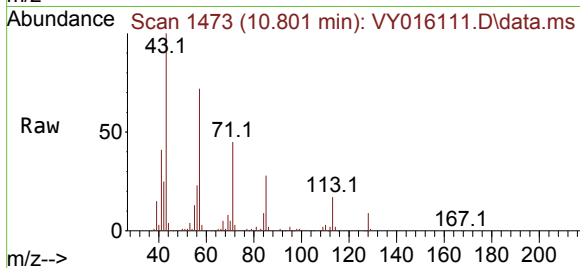




#59
2-Hexanone
Concen: 86.461 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

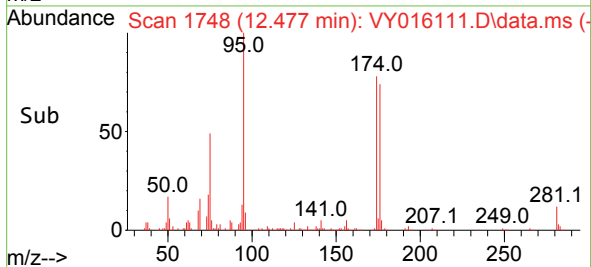
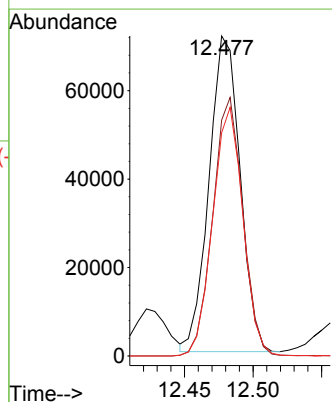
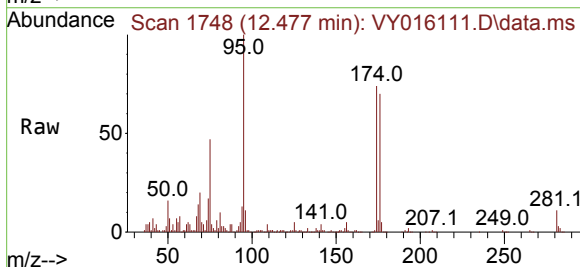
Instrument :
MSVOA_Y
ClientSampleId :

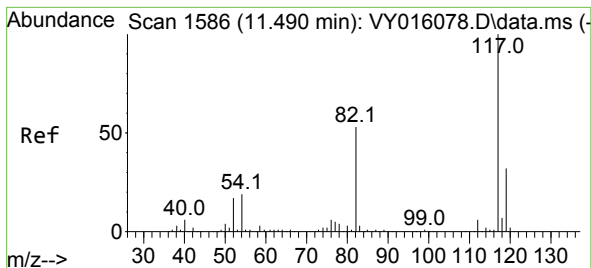
Tgt Ion: 43 Resp: 75169
Ion Ratio Lower Upper
43 100
58 4.4 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 52.848 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

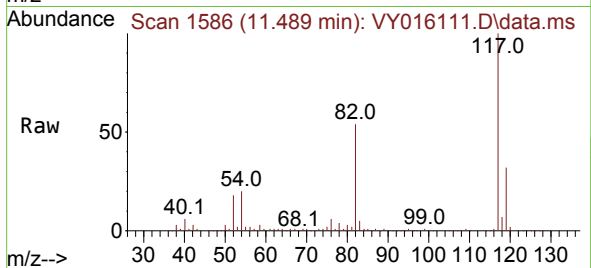
Tgt Ion: 95 Resp: 112432
Ion Ratio Lower Upper
95 100
174 79.4 0.0 178.2
176 76.8 0.0 173.8



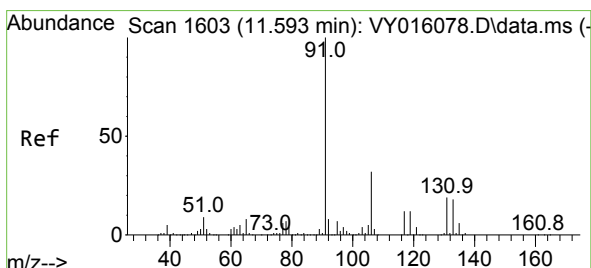
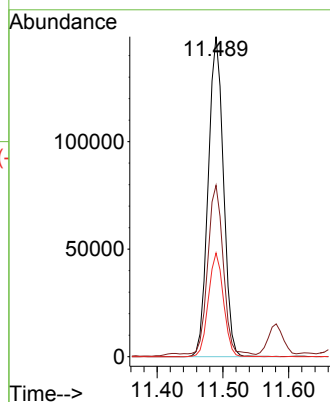
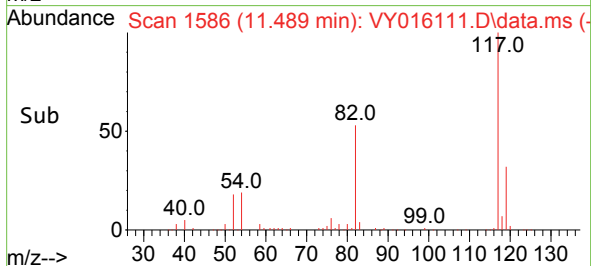


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Instrument :
MSVOA_Y
ClientSampleId :

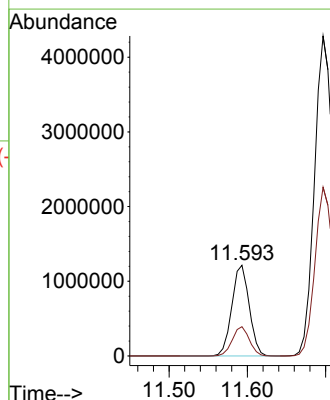
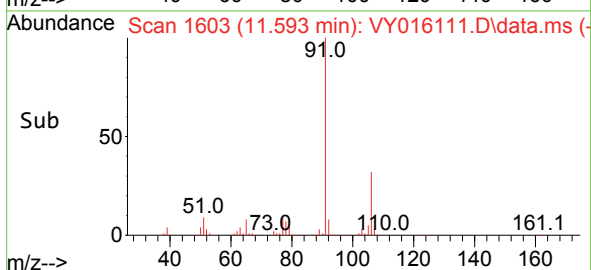
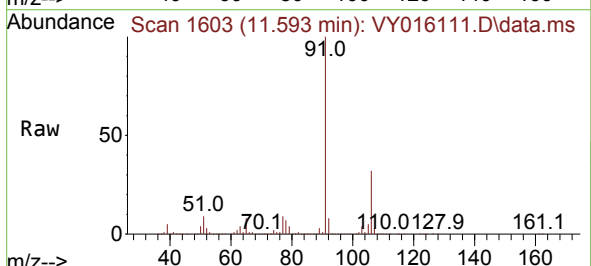


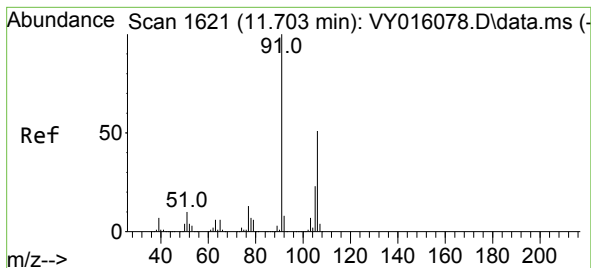
Tgt Ion:117 Resp: 239996
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 32.4 26.3 39.5



#67
Ethyl Benzene
Concen: 222.702 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Tgt Ion: 91 Resp: 1865602
Ion Ratio Lower Upper
91 100
106 32.2 24.6 36.8

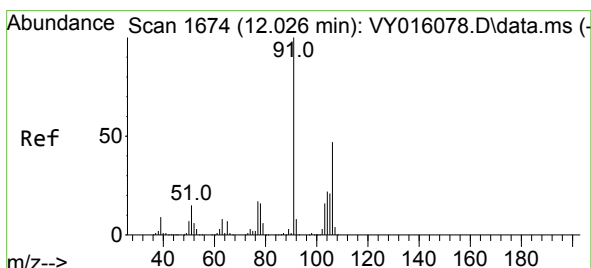
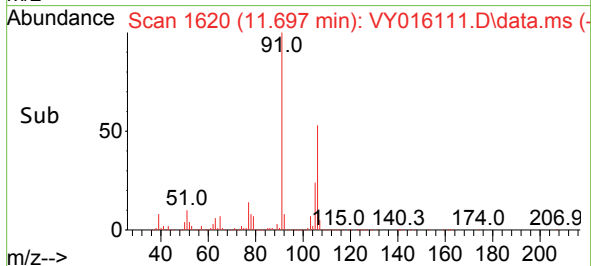
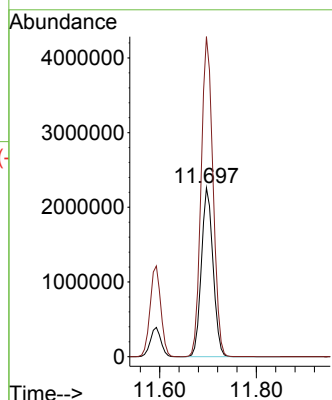
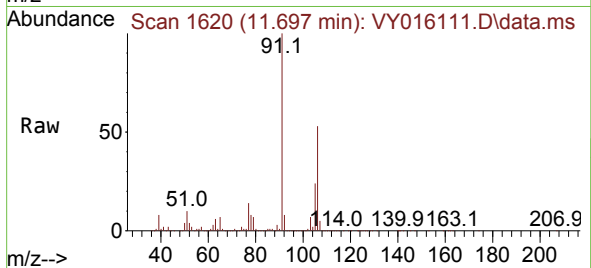




#68
m/p-Xylenes
Concen: 1163.114 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

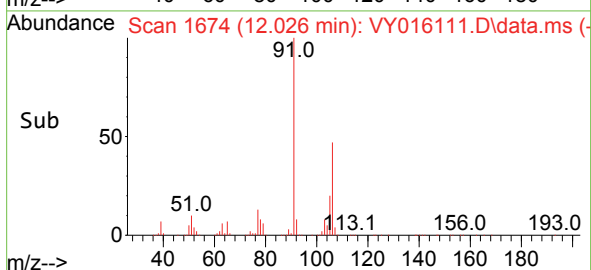
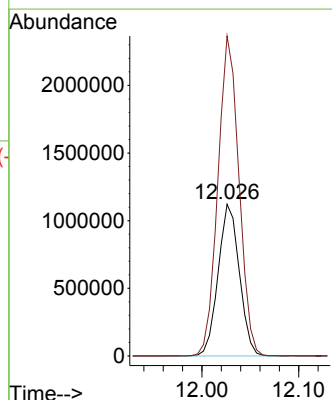
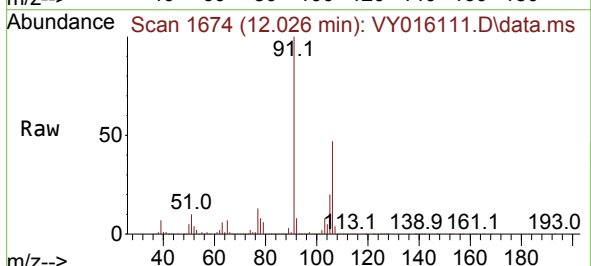
Instrument :
MSVOA_Y
ClientSampleId :

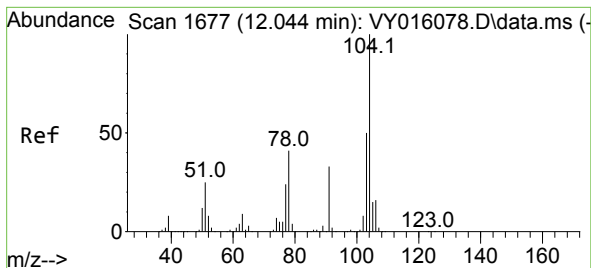
Tgt Ion:106 Resp: 3770660
Ion Ratio Lower Upper
106 100
91 193.9 166.1 249.1



#69
o-Xylene
Concen: 549.196 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Tgt Ion:106 Resp: 1704488
Ion Ratio Lower Upper
106 100
91 210.1 108.1 324.3





#70

Styrene

Concen: 91.856 ug/l

RT: 12.044 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

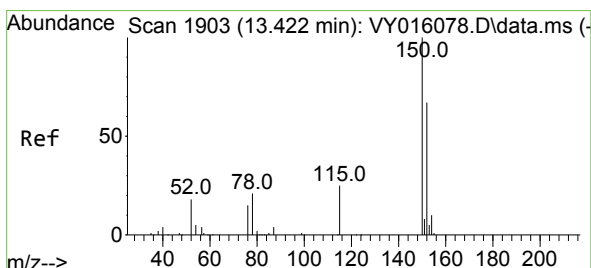
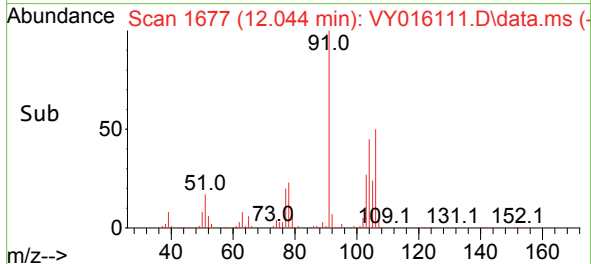
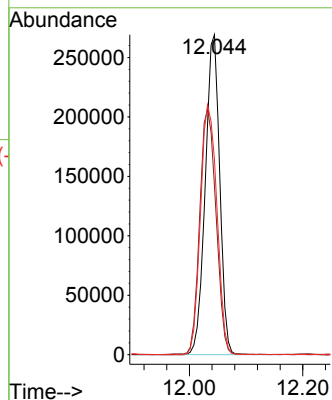
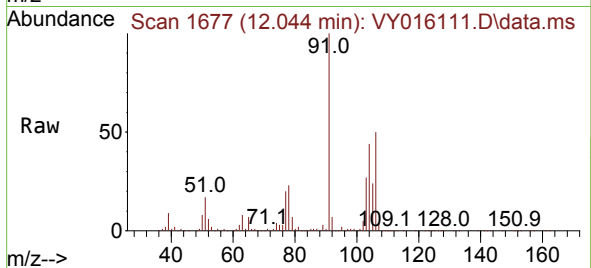
Tgt Ion:104 Resp: 475212

Ion Ratio Lower Upper

104 100

78 86.6 41.5 62.3#

103 88.9 44.6 67.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

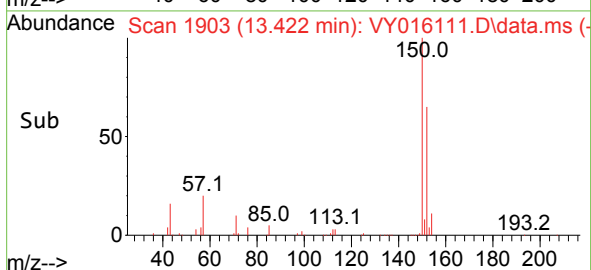
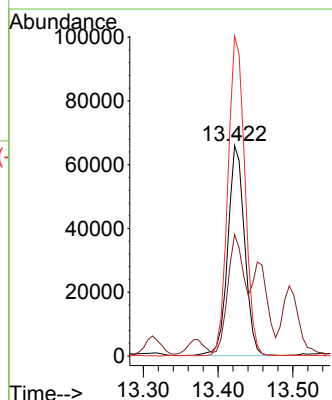
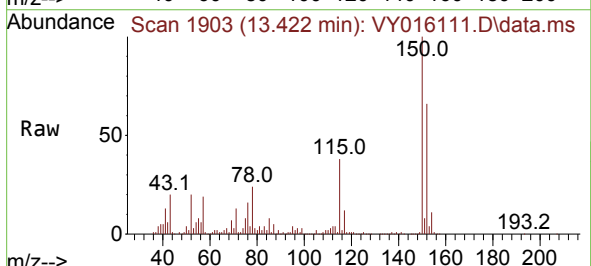
Tgt Ion:152 Resp: 103427

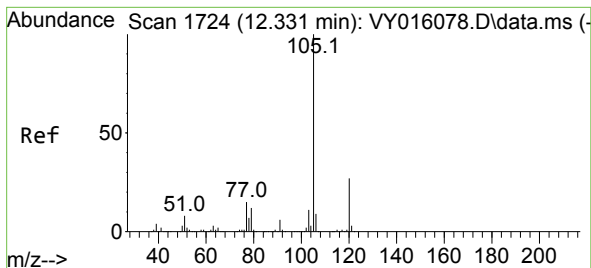
Ion Ratio Lower Upper

152 100

115 55.8 28.8 86.5

150 152.9 0.0 348.8





#73

Isopropylbenzene

Concen: 21.812 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

Instrument :

MSVOA_Y

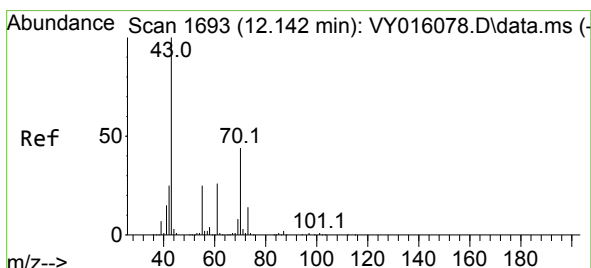
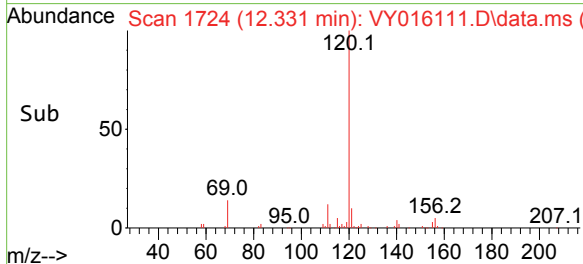
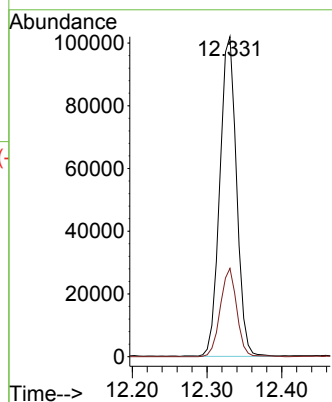
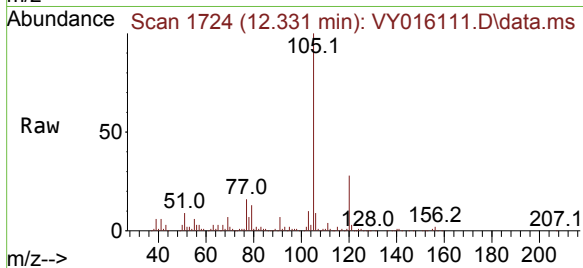
ClientSampleId :

Tgt Ion:105 Resp: 158762

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.9



#74

N-ethyl acetate

Concen: 19.734 ug/l

RT: 12.124 min Scan# 1690

Delta R.T. -0.018 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

Tgt Ion: 43 Resp: 35025

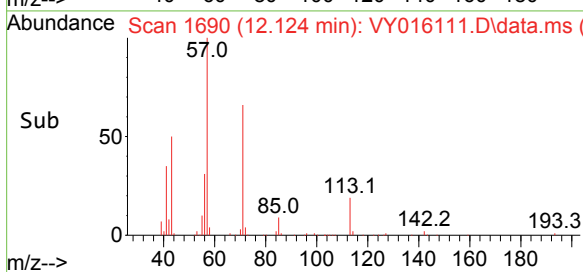
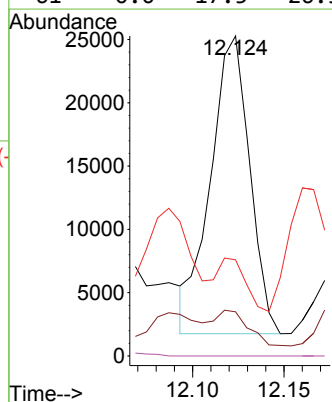
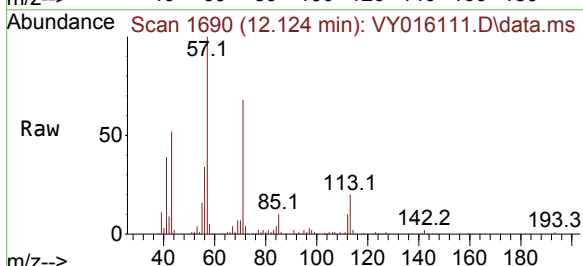
Ion Ratio Lower Upper

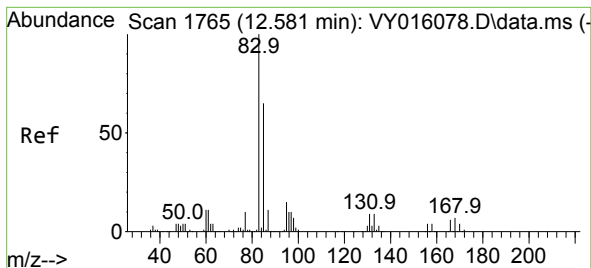
43 100

70 10.5 29.7 44.5#

55 11.3 18.3 27.5#

61 0.0 17.5 26.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 9.206 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. 0.061 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

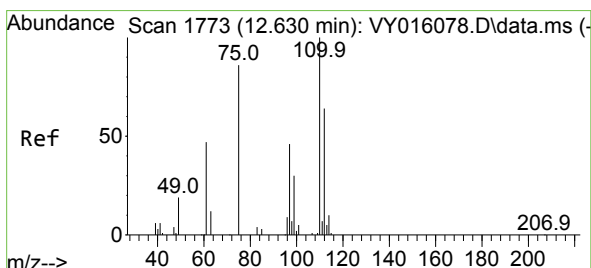
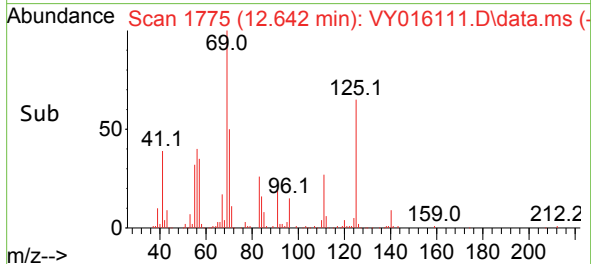
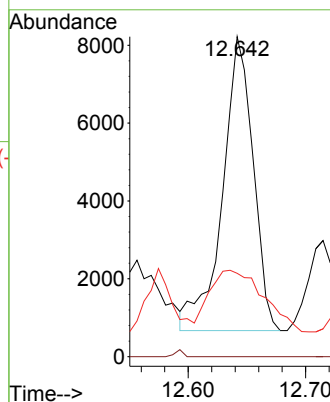
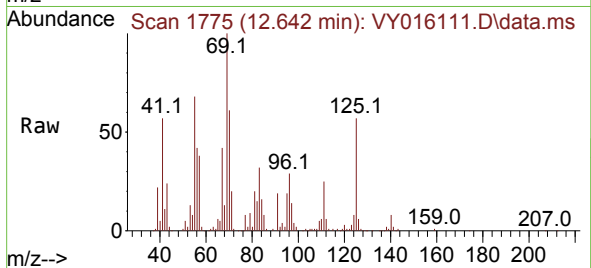
Tgt Ion: 83 Resp: 13698

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

85 37.8 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 1.769 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.043 min

Lab File: VY016111.D

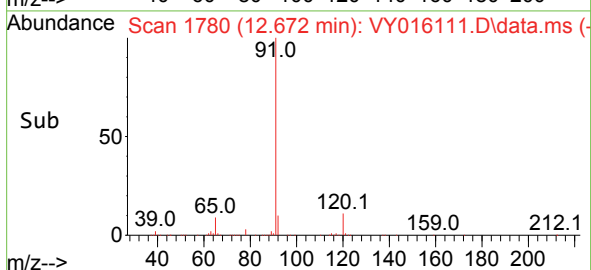
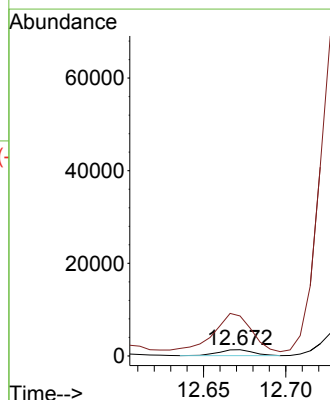
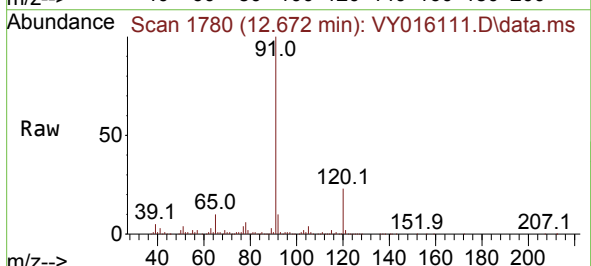
Acq: 27 Oct 2023 18:07

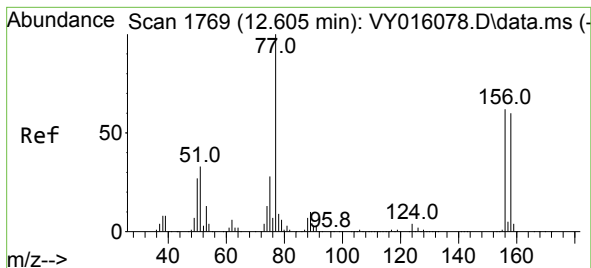
Tgt Ion: 75 Resp: 1868

Ion Ratio Lower Upper

75 100

77 698.1 0.0 0.0#





#77

Bromobenzene

Concen: 31.335 ug/l

RT: 12.404 min Scan# 1736

Delta R.T. -0.201 min

Lab File: VY016111.D

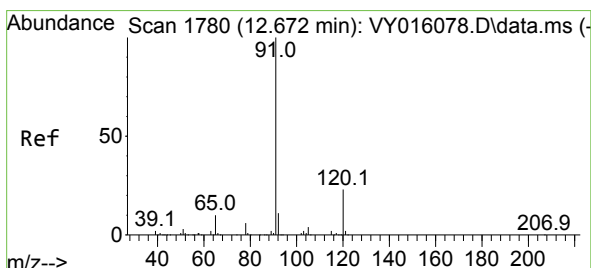
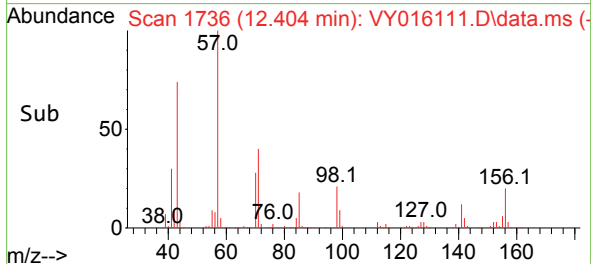
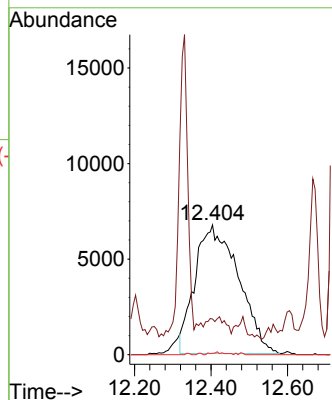
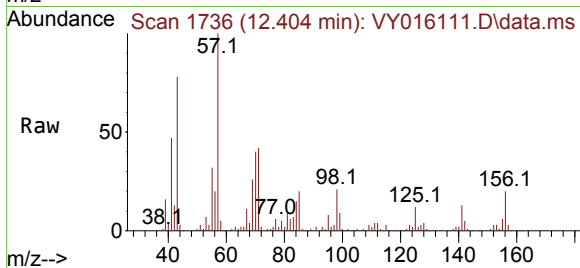
Acq: 27 Oct 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:156 Resp: 53230
 Ion Ratio Lower Upper
 156 100
 77 0.0 92.8 278.6#
 158 0.6 48.4 145.3#



#78

n-propylbenzene

Concen: 37.167 ug/l

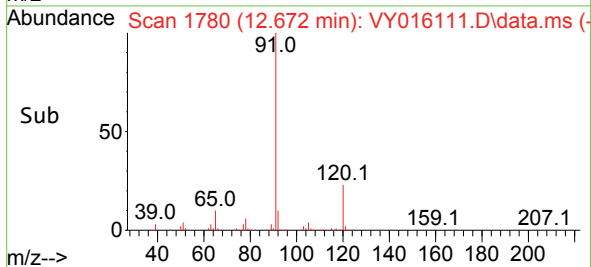
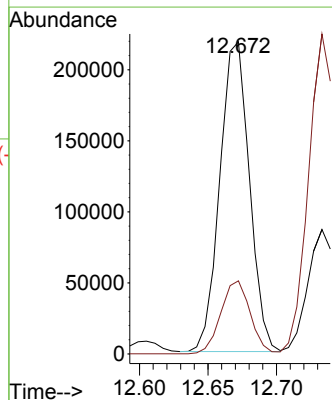
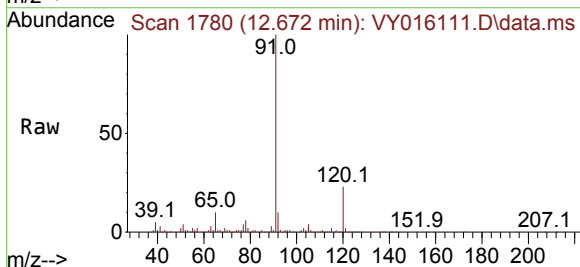
RT: 12.672 min Scan# 1780

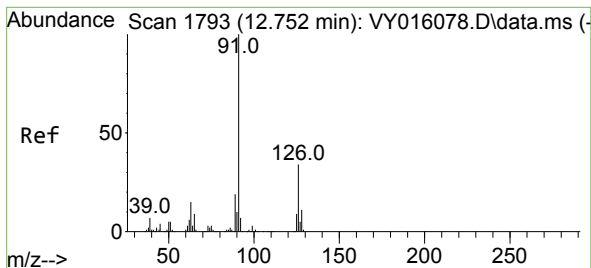
Delta R.T. -0.000 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

Tgt Ion: 91 Resp: 327563
 Ion Ratio Lower Upper
 91 100
 120 23.5 11.5 34.4

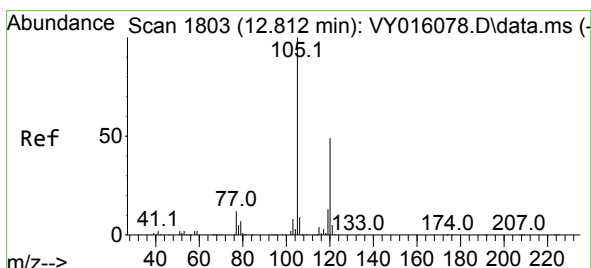
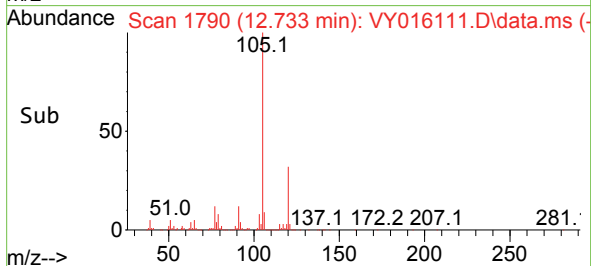
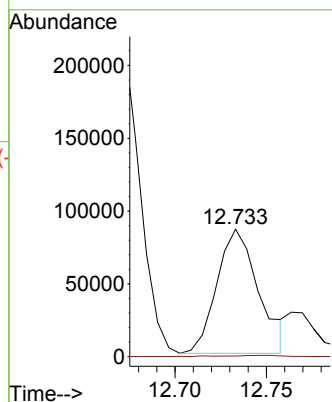
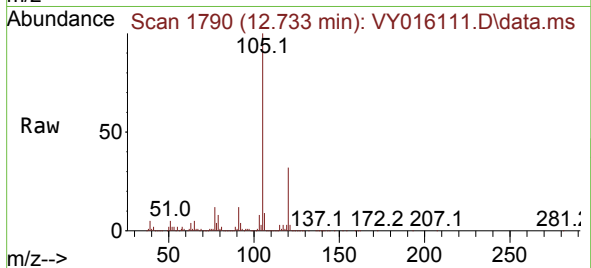




#79
2-Chlorotoluene
Concen: 27.314 ug/l
RT: 12.733 min Scan# 1790
Delta R.T. -0.018 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

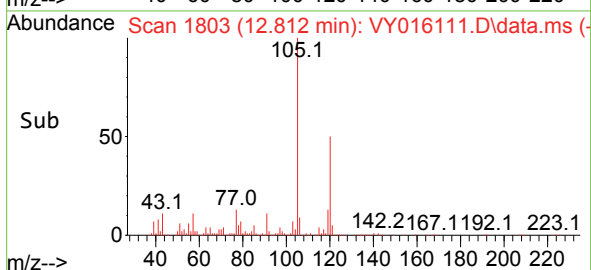
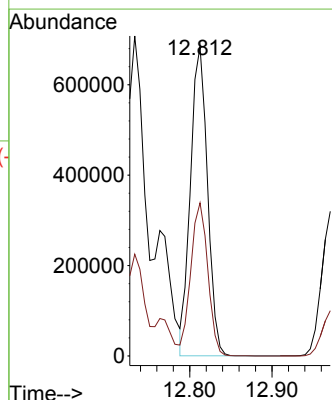
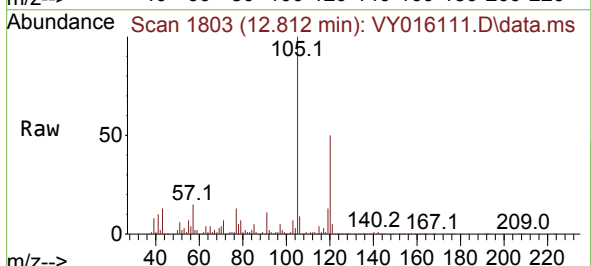
Instrument :
MSVOA_Y
ClientSampleId :

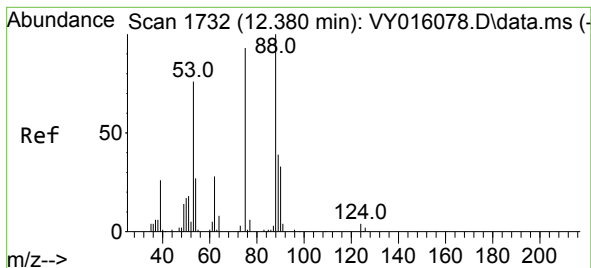
Tgt Ion: 91 Resp: 134821
Ion Ratio Lower Upper
91 100
126 1.0 17.3 51.7#



#80
1,3,5-Trimethylbenzene
Concen: 162.677 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Tgt Ion: 105 Resp: 983095
Ion Ratio Lower Upper
105 100
120 49.6 23.9 71.7

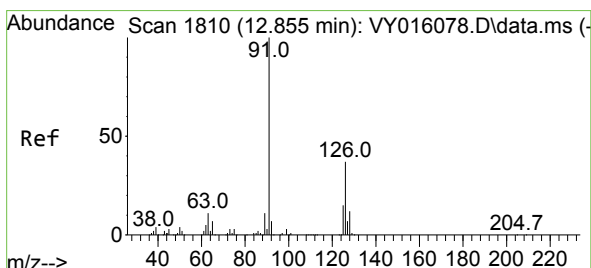
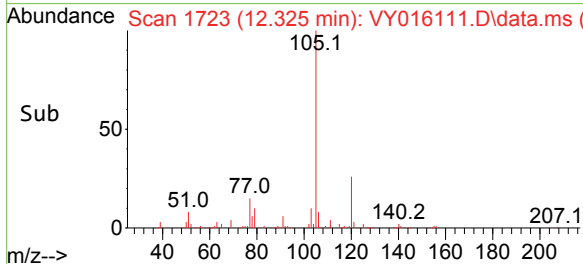
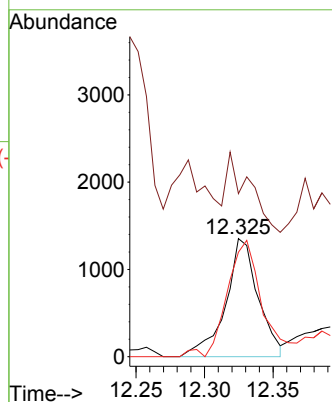
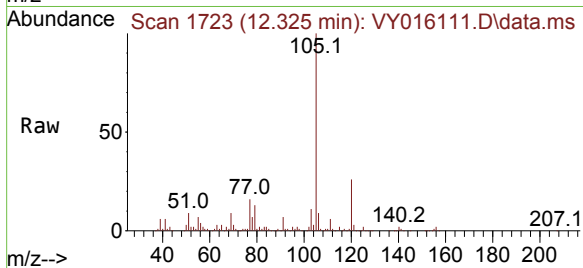




#81
trans-1,4-Dichloro-2-butene
Concen: 4.612 ug/l
RT: 12.325 min Scan# 11
Delta R.T. -0.055 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

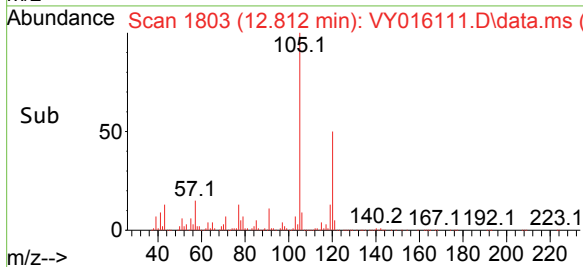
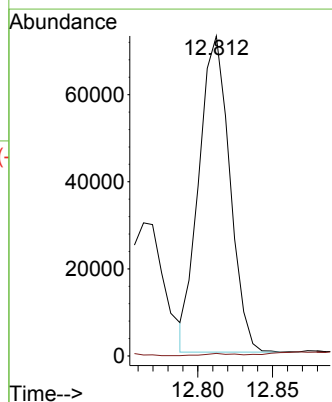
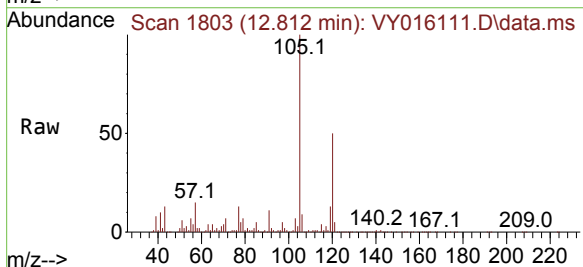
Instrument :
MSVOA_Y
ClientSampleId :

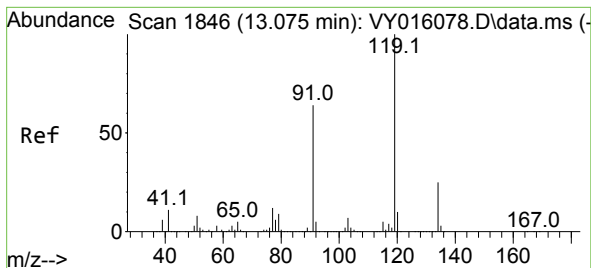
Tgt Ion: 75 Resp: 2241
Ion Ratio Lower Upper
75 100
53 48.5 77.8 116.8#
89 106.2 37.4 56.0#



#82
4-Chlorotoluene
Concen: 20.336 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.043 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Tgt Ion: 91 Resp: 104098
Ion Ratio Lower Upper
91 100
126 0.6 17.2 51.6#





#83

tert-Butylbenzene

Concen: 3.038 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. -0.000 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

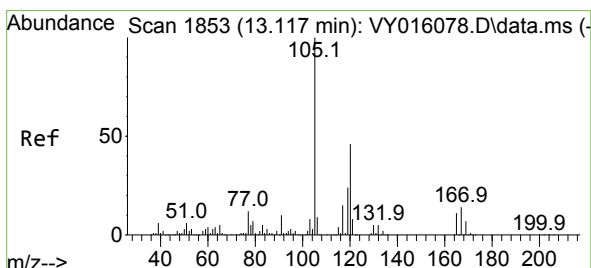
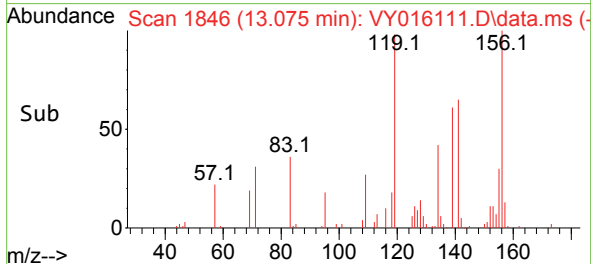
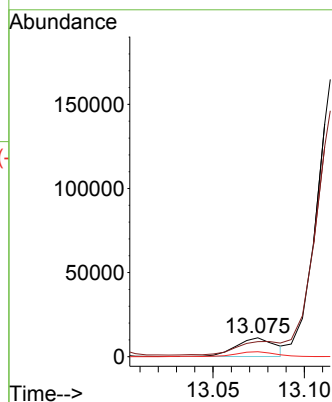
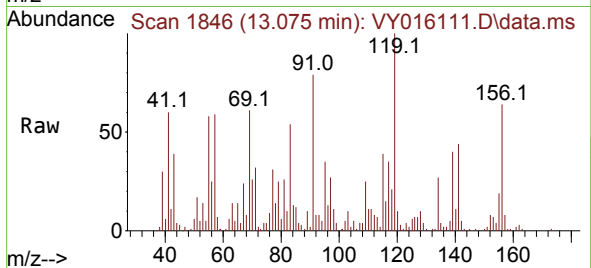
Tgt Ion:119 Resp: 16318

Ion Ratio Lower Upper

119 100

91 0.0 32.9 98.6#

134 28.9 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 382.690 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY016111.D

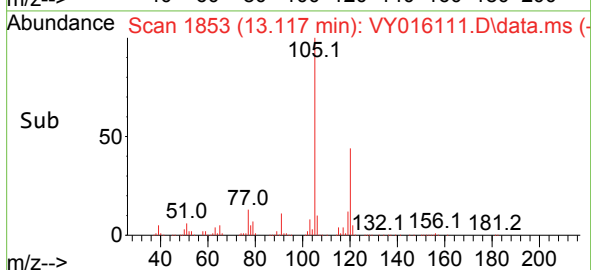
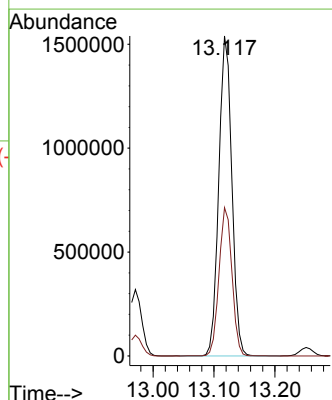
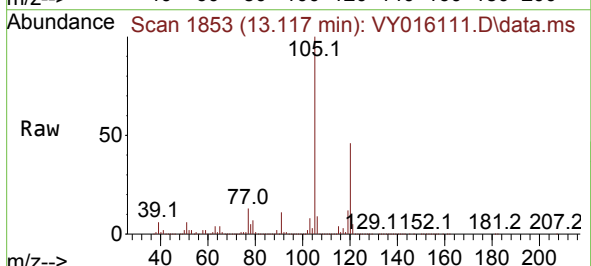
Acq: 27 Oct 2023 18:07

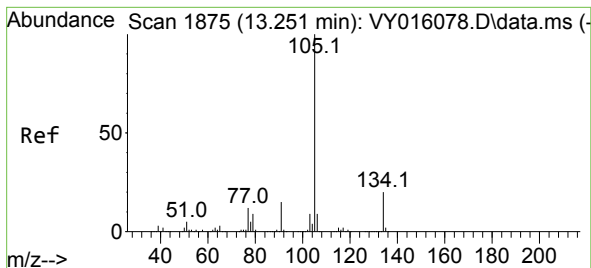
Tgt Ion:105 Resp: 2284083

Ion Ratio Lower Upper

105 100

120 46.1 22.2 66.6





#85

sec-Butylbenzene

Concen: 285.485 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.134 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

Instrument :

MSVOA_Y

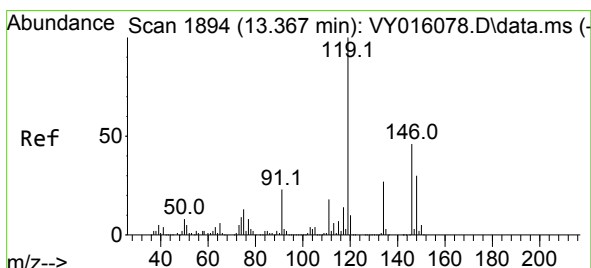
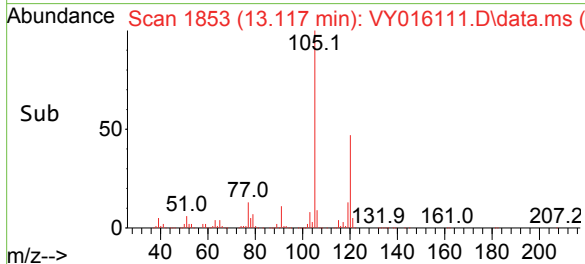
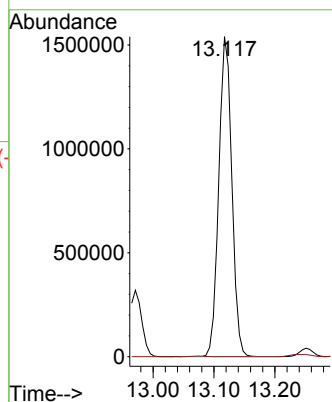
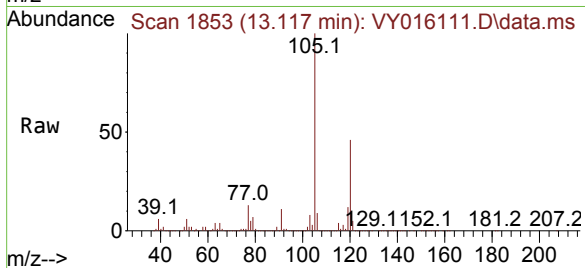
ClientSampleId :

Tgt Ion:105 Resp: 2284083

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 11.556 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

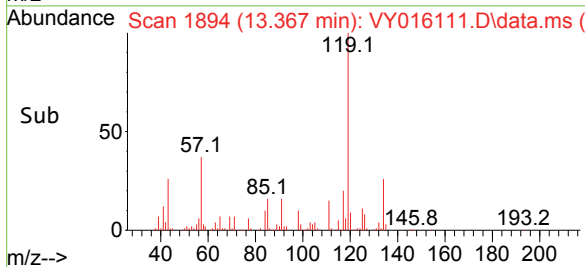
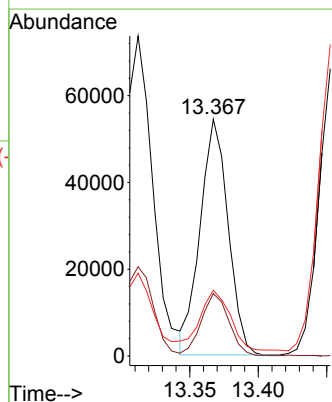
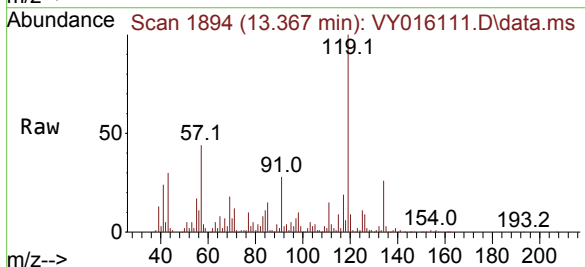
Tgt Ion:119 Resp: 77151

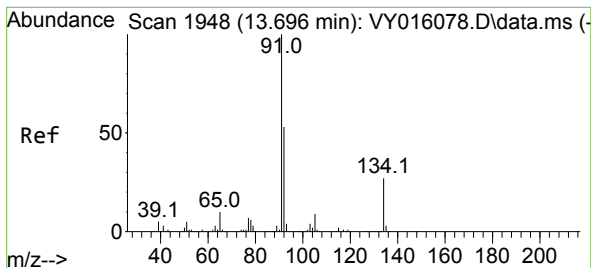
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 27.8 12.4 37.4





#89

n-Butylbenzene

Concen: 7.366 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY016111.D

Acq: 27 Oct 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

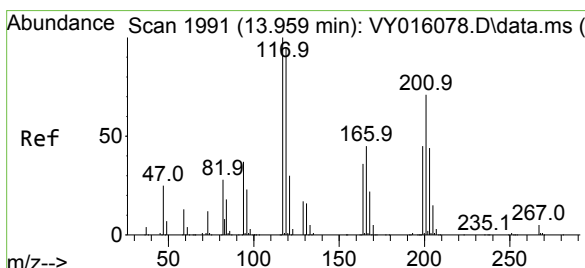
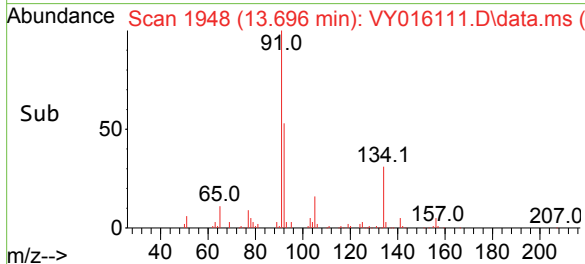
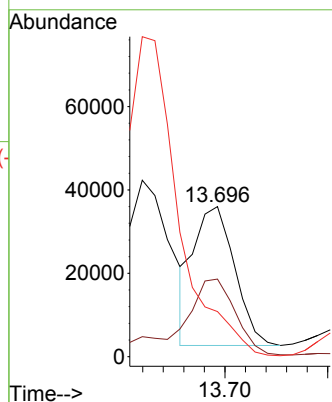
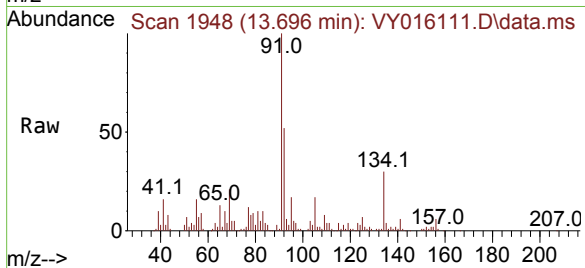
Tgt Ion: 91 Resp: 45875

Ion Ratio Lower Upper

91 100

92 71.7 25.4 76.0

134 0.0 12.6 37.6#



#90

Hexachloroethane

Concen: 18.735 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY016111.D

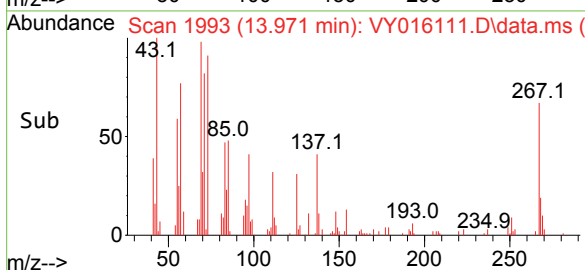
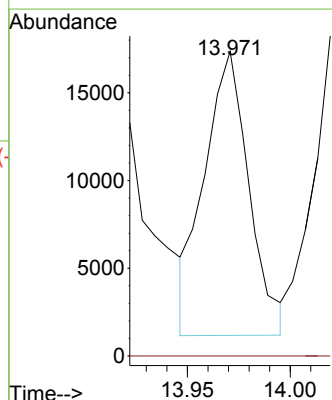
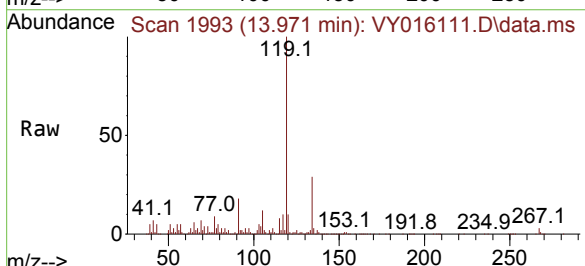
Acq: 27 Oct 2023 18:07

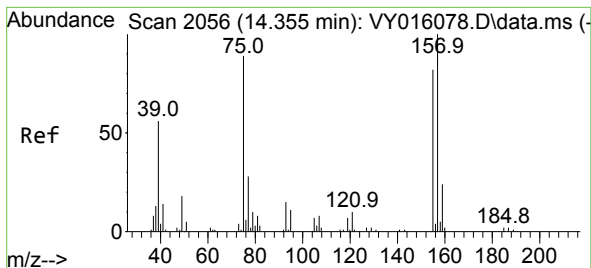
Tgt Ion: 117 Resp: 24351

Ion Ratio Lower Upper

117 100

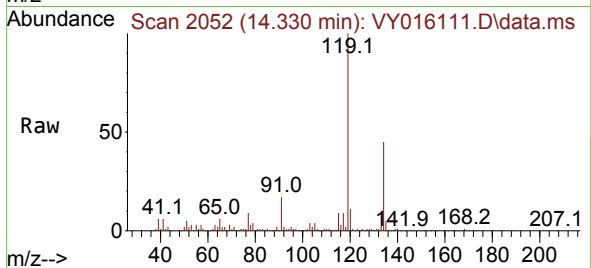
201 0.0 41.6 124.8#



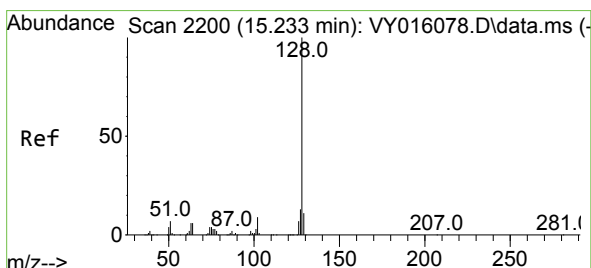
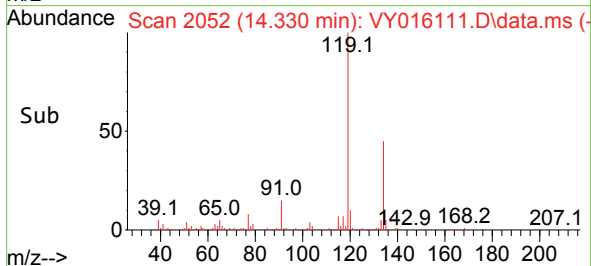
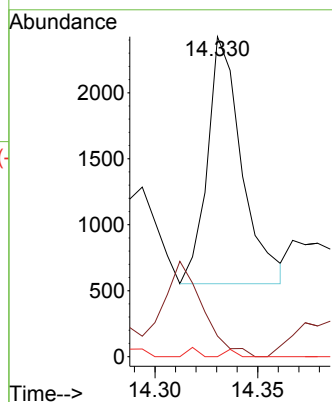


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.320 ug/l
RT: 14.330 min Scan# 2056
Delta R.T. -0.024 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 2177
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.9 51.8 155.5#



#95
Naphthalene
Concen: 3201.667 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY016111.D
Acq: 27 Oct 2023 18:07

Tgt Ion: 128 Resp: 11731976
Ion Ratio Lower Upper
128 100
127 14.3 10.8 16.2
129 12.5 8.6 13.0

