

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016114.D
 Acq On : 27 Oct 2023 19:17
 Operator : SY/MD
 Sample : 05107-06
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 06:12:58 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	149334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	234462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	179403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	59407	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	82718	55.705	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.420%
35) Dibromofluoromethane	7.722	113	72378	48.899	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.800%
50) Toluene-d8	10.185	98	313599	57.198	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	114.400%
62) 4-Bromofluorobenzene	12.483	95	77725	41.328	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.660%

Target Compounds				Qvalue		
11) Tert butyl alcohol	4.948	59	5140	Below Cal	#	89
13) Acrolein	3.698	56	3720	20.114	ug/l #	1
14) Allyl chloride	4.588	41	5150	2.582	ug/l #	27
15) Acrylonitrile	5.241	53	9126	24.040	ug/l #	37
16) Acetone	3.948	43	103287	256.625	ug/l	99
17) Carbon Disulfide	4.198	76	15174	4.299	ug/l	98
20) Methylene Chloride	4.716	84	21661	9.045	ug/l #	86
25) 2-Butanone	6.984	43	38001	69.956	ug/l	93
26) 2,2-Dichloropropane	6.978	77	4204	1.721	ug/l #	54
29) Tetrahydrofuran	7.350	42	561	1.800	ug/l #	47
31) Cyclohexane	7.783	56	716669	306.781	ug/l	93
36) 1,1-Dichloropropene	8.167	75	577948	280.119	ug/l #	1
37) Ethyl Acetate	6.984	43	38001	35.934	ug/l #	82
38) Carbon Tetrachloride	7.789	117	14748	6.759	ug/l #	15
39) Methylcyclohexane	9.185	83	1464785	582.765	ug/l	92
40) Benzene	8.161	78	23638058	4046.626	ug/l #	75
41) Methacrylonitrile	7.374	41	1347	2.434	ug/l #	1
42) 1,2-Dichloroethane	8.161	62	259337	153.646	ug/l #	78
43) Isopropyl Acetate	8.270	43	38273	19.356	ug/l #	55
45) 1,2-Dichloropropane	9.185	63	13148	8.893	ug/l #	1
48) Methyl methacrylate	9.246	41	33086	36.321	ug/l #	37
51) 4-Methyl-2-Pentanone	10.075	43	29608	28.378	ug/l	95
52) Toluene	10.252	92	16159793	4308.090	ug/l #	65
53) t-1,3-Dichloropropene	10.252	75	231390	107.933	ug/l #	1
55) 1,1,2-Trichloroethane	10.624	97	107910	87.613	ug/l #	19
56) Ethyl methacrylate	10.520	69	65225	41.206	ug/l #	45
59) 2-Hexanone	10.801	43	100240	130.425	ug/l #	32
67) Ethyl Benzene	11.593	91	4199806	670.670	ug/l	97
68) m/p-Xylenes	11.703	106	8039836	3317.619	ug/l	82
69) o-Xylene	12.032	106	3978280	1714.760	ug/l	91
70) Styrene	12.044	104	974867	252.080	ug/l #	44
73) Isopropylbenzene	12.331	105	360231	86.162	ug/l	98
74) N-amyl acetate	12.123	43	48628	47.701	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.538	83	8953	10.476	ug/l #	81
76) 1,2,3-Trichloropropane	12.605	75	1425	2.349	ug/l #	100
77) Bromobenzene	12.404	156	1193178	1222.843	ug/l #	1

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

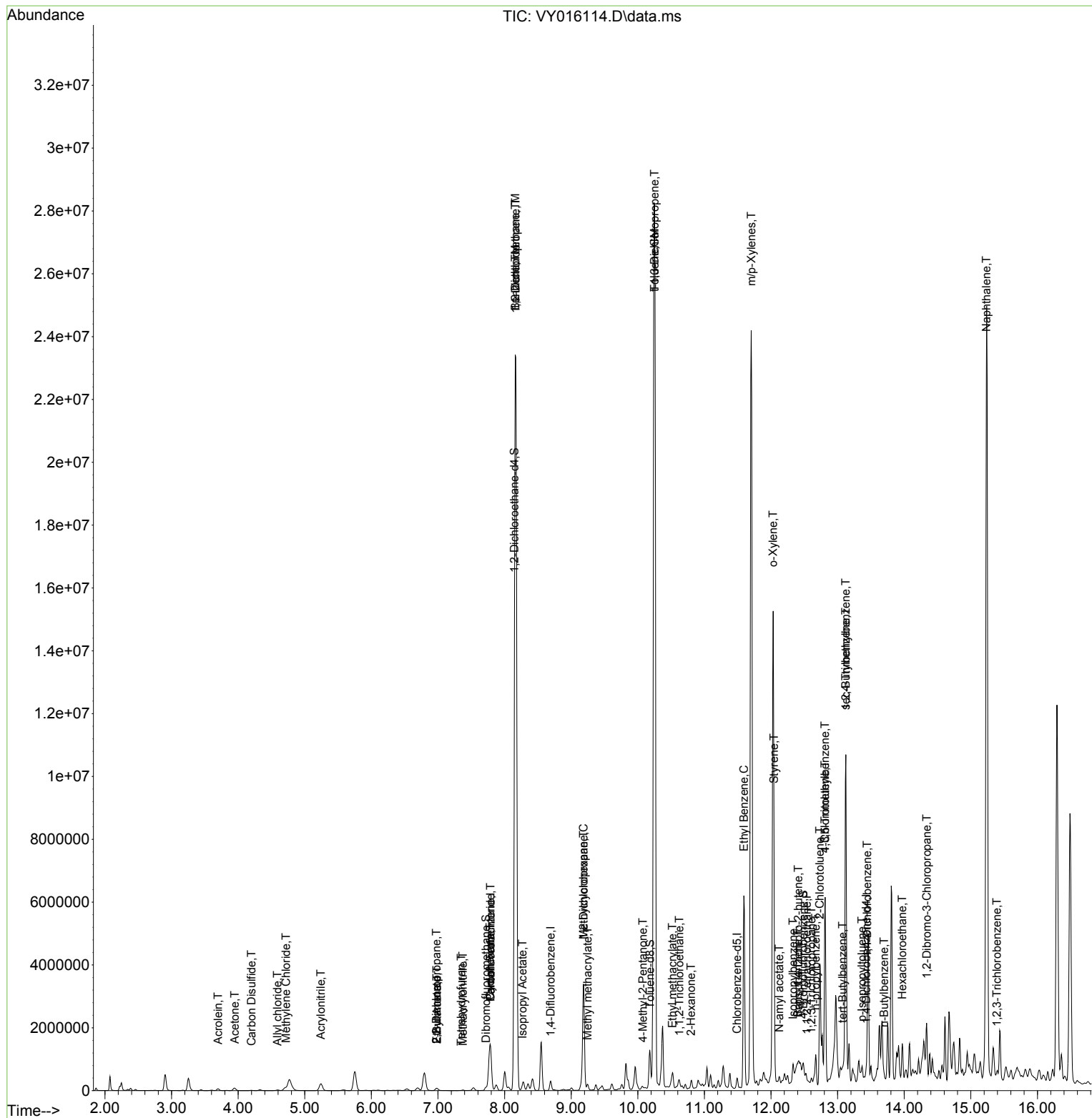
78) n-propylbenzene	12.672	91	727888	143.788	ug/l	99
79) 2-Chlorotoluene	12.733	91	298516	105.292	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.812	105	2510671	723.295	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.410	75	18455	66.123	ug/l #	51
82) 4-Chlorotoluene	12.812	91	268371	91.276	ug/l #	40
83) tert-Butylbenzene	13.074	119	35644	11.552	ug/l #	38
84) 1,2,4-Trimethylbenzene	13.123	105	5441745	1587.340	ug/l	97
85) sec-Butylbenzene	13.123	105	5441745	1184.149	ug/l #	56
86) p-Isopropyltoluene	13.367	119	180069	46.959	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	5499	2.824	ug/l #	1
89) n-Butylbenzene	13.696	91	100303	28.041	ug/l #	54
90) Hexachloroethane	13.971	117	60684	81.285	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.336	75	7196	53.633	ug/l #	3
95) Naphthalene	15.233	128	18567934	8821.956	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.391	180	1777	1.909	ug/l #	1

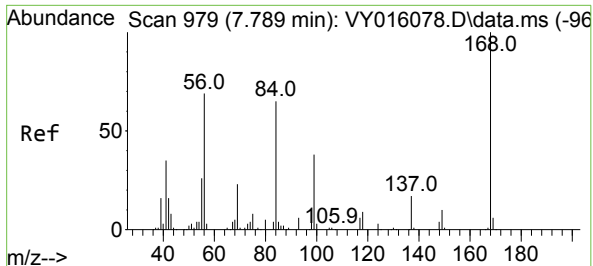
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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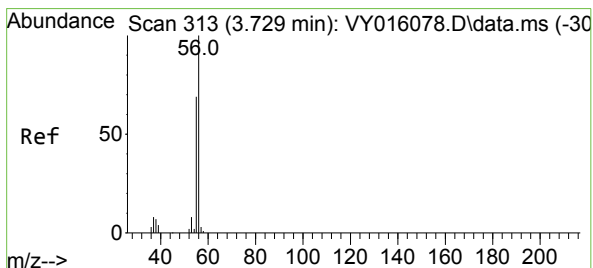
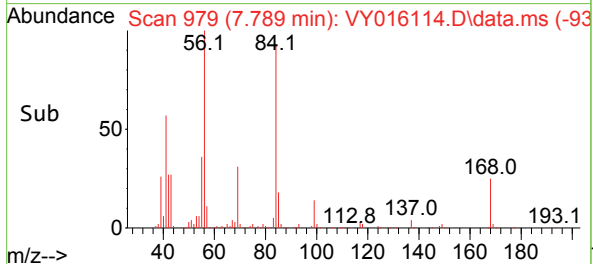
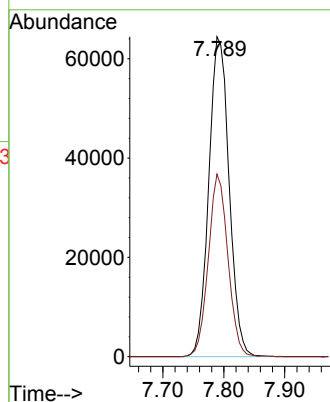
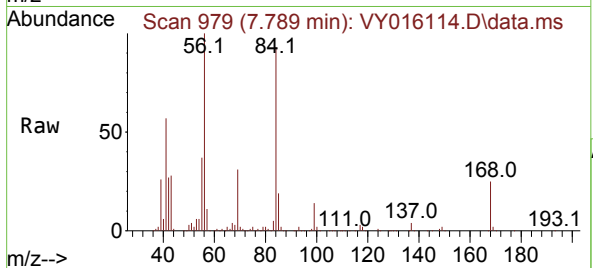




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

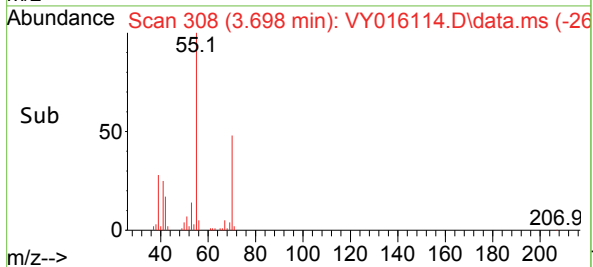
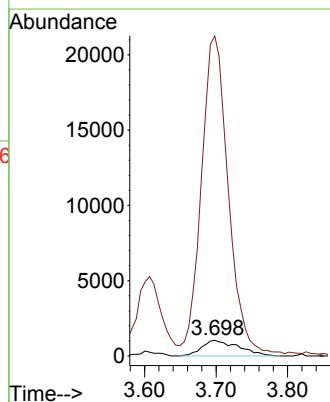
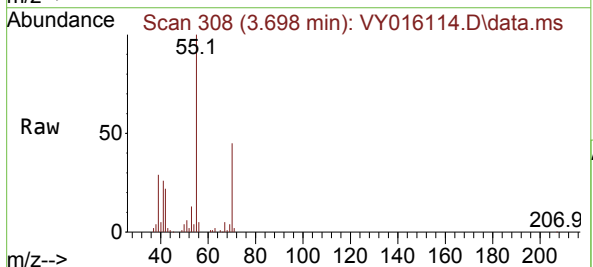
Instrument :
MSVOA_Y
ClientSampleId :

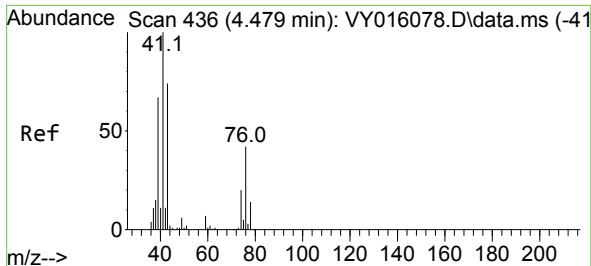
Tgt Ion:168 Resp: 149334
Ion Ratio Lower Upper
168 100
99 57.0 43.4 65.0



#13
Acrolein
Concen: 20.114 ug/l
RT: 3.698 min Scan# 308
Delta R.T. -0.031 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

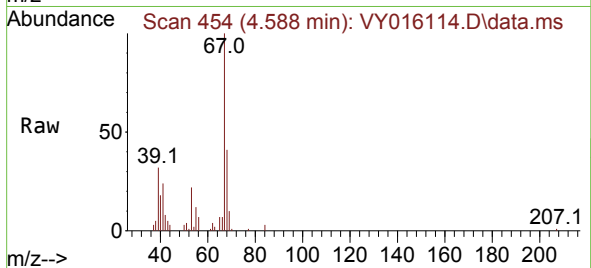
Tgt Ion: 56 Resp: 3720
Ion Ratio Lower Upper
56 100
55 1477.0 57.0 85.4#



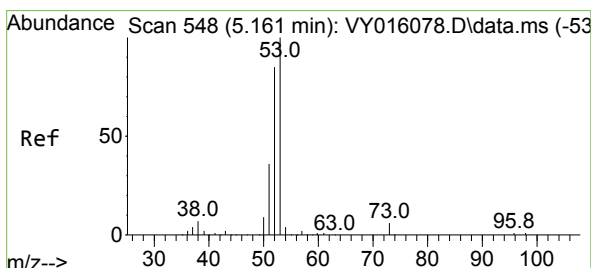
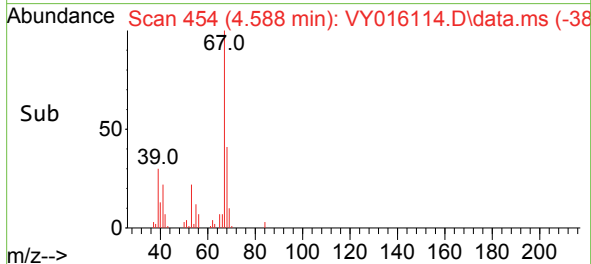
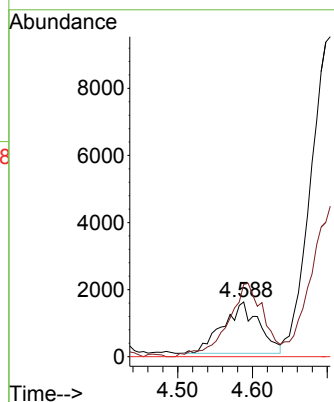


#14
 Allyl chloride
 Concen: 2.582 ug/l
 RT: 4.588 min Scan# 41
 Delta R.T. 0.110 min
 Lab File: VY016114.D
 Acq: 27 Oct 2023 19:17

Instrument :
 MSVOA_Y
 ClientSampleId :

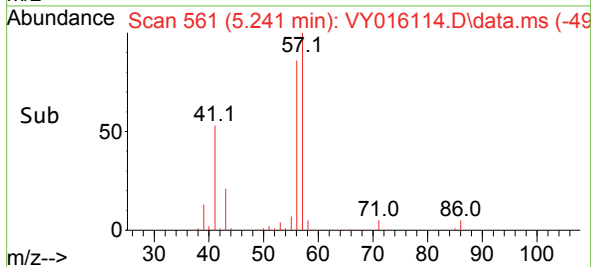
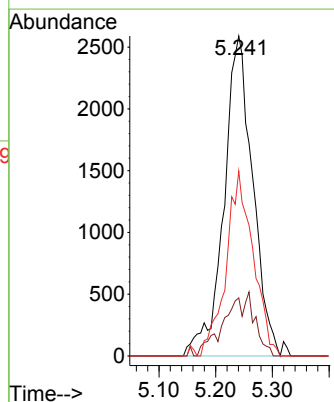
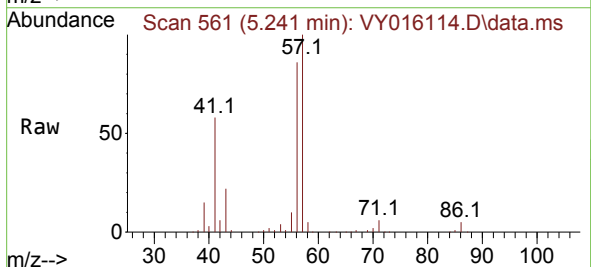


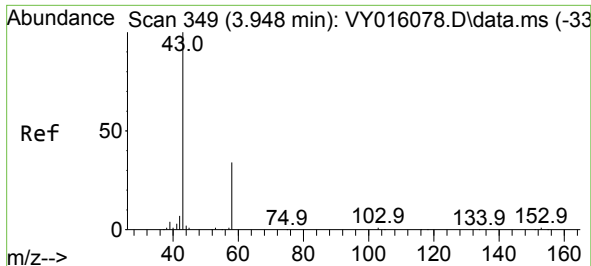
Tgt Ion: 41 Resp: 5150
 Ion Ratio Lower Upper
 41 100
 39 139.3 58.0 87.0#
 76 0.0 27.4 41.2#



#15
 Acrylonitrile
 Concen: 24.040 ug/l
 RT: 5.241 min Scan# 561
 Delta R.T. 0.079 min
 Lab File: VY016114.D
 Acq: 27 Oct 2023 19:17

Tgt Ion: 53 Resp: 9126
 Ion Ratio Lower Upper
 53 100
 52 13.1 66.9 100.3#
 51 54.4 29.8 44.6#





#16

Acetone

Concen: 256.625 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

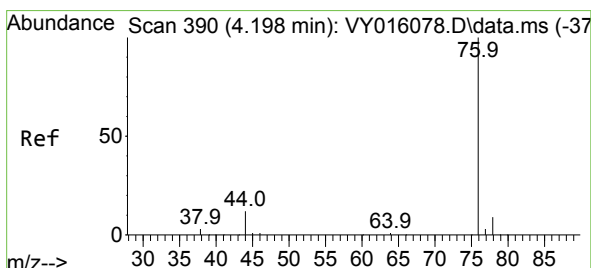
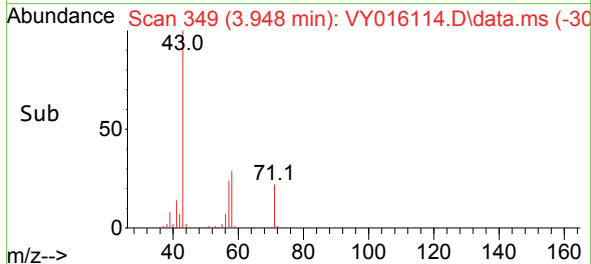
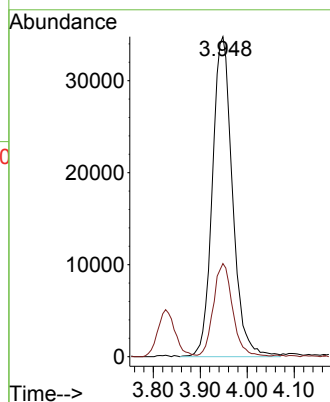
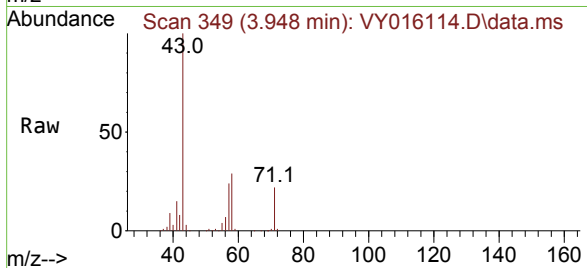
ClientSampleId :

Tgt Ion: 43 Resp: 103287

Ion Ratio Lower Upper

43 100

58 28.8 22.7 34.1



#17

Carbon Disulfide

Concen: 4.299 ug/l

RT: 4.198 min Scan# 390

Delta R.T. -0.000 min

Lab File: VY016114.D

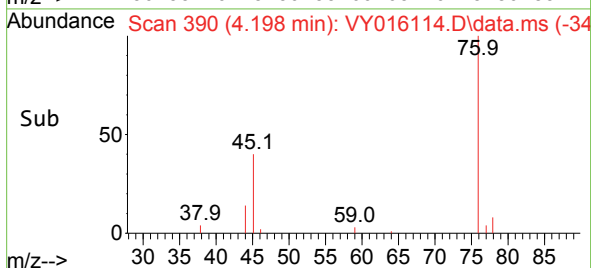
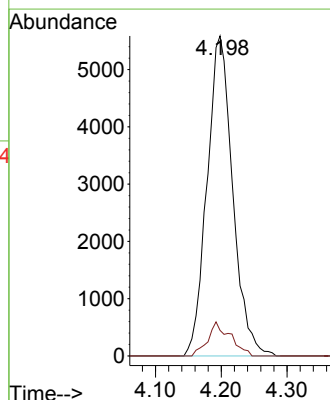
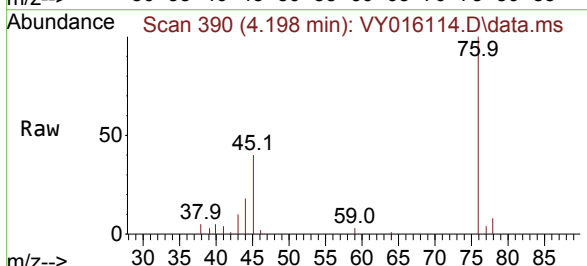
Acq: 27 Oct 2023 19:17

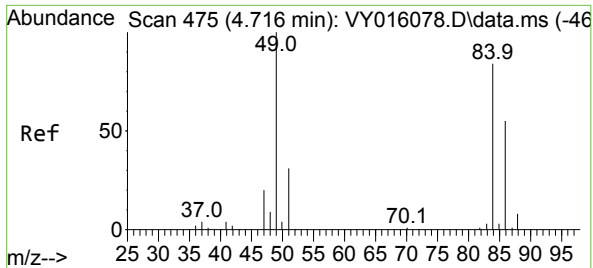
Tgt Ion: 76 Resp: 15174

Ion Ratio Lower Upper

76 100

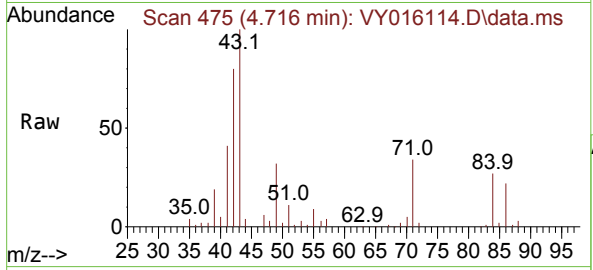
78 8.0 7.0 10.4



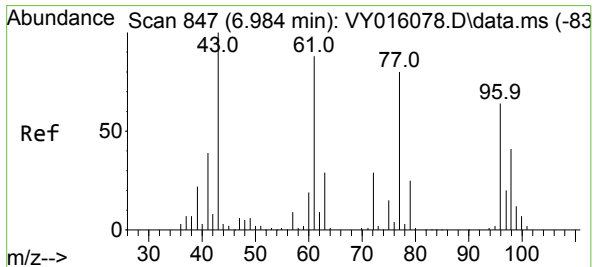
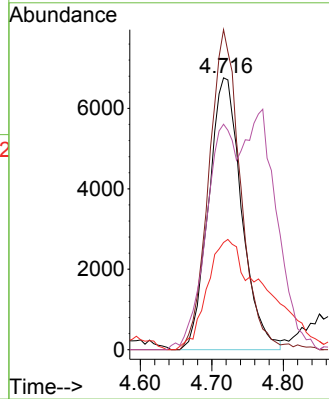
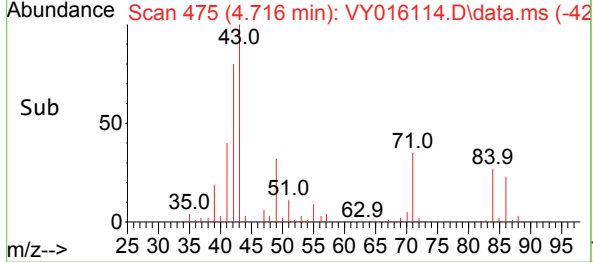


#20
Methylene Chloride
Concen: 9.045 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Instrument :
MSVOA_Y
ClientSampleId :

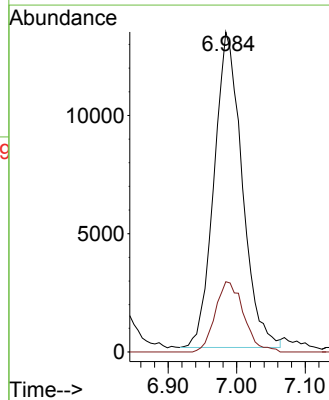
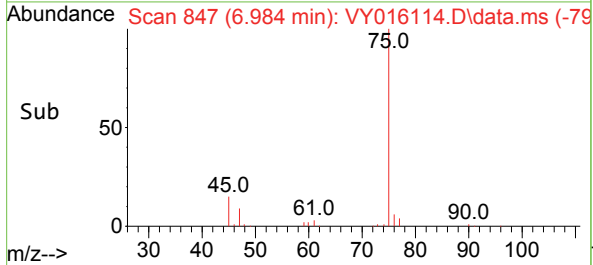
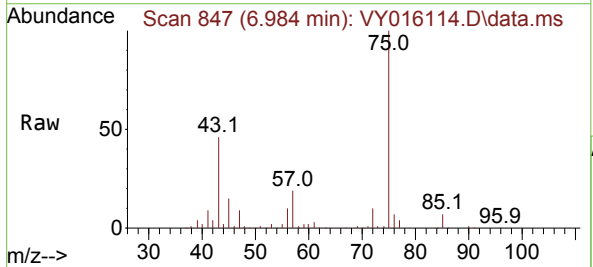


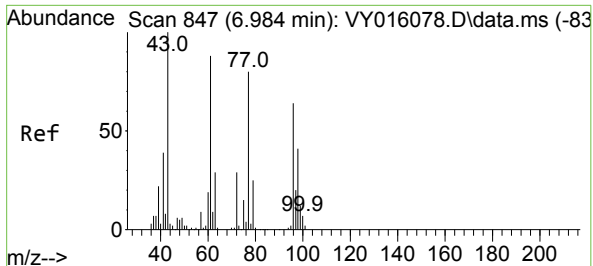
Tgt Ion:	84	Resp:	21661
Ion	Ratio	Lower	Upper
84	100		
49	117.7	106.9	160.3
51	38.2	33.2	49.8
86	81.4	51.0	76.6



#25
2-Butanone
Concen: 69.956 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Tgt Ion:	43	Resp:	38001
Ion	Ratio	Lower	Upper
43	100		
72	22.2	20.5	30.7





#26

2,2-Dichloropropane

Concen: 1.721 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

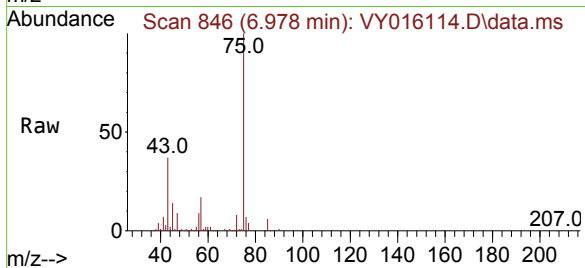
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Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

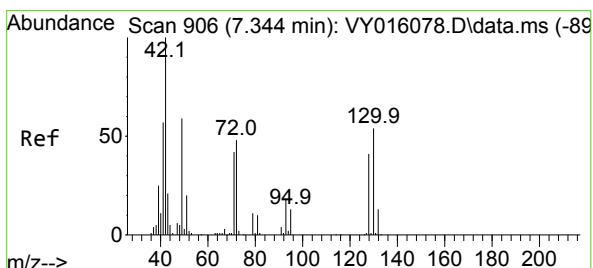
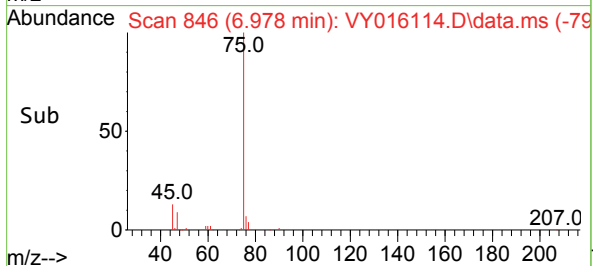
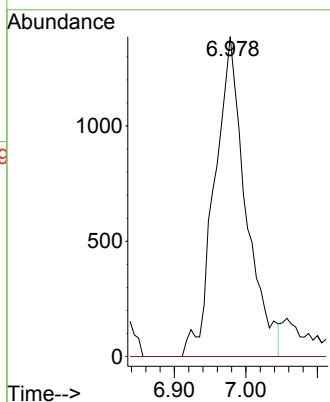


Tgt Ion: 77 Resp: 4204

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 1.800 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

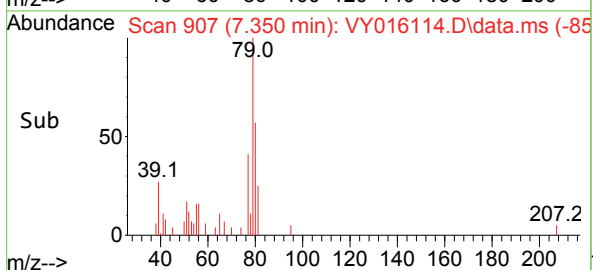
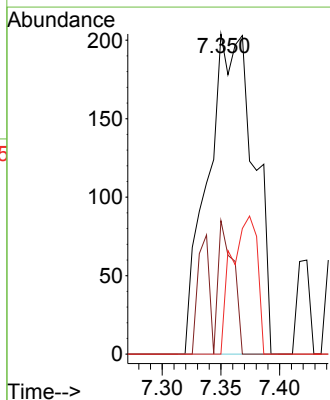
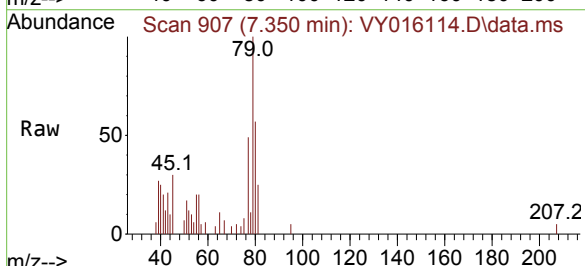
Tgt Ion: 42 Resp: 561

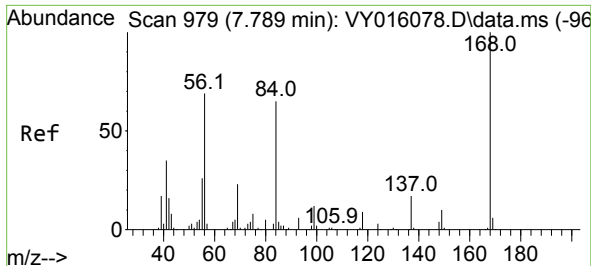
Ion Ratio Lower Upper

42 100

72 13.5 32.8 49.2#

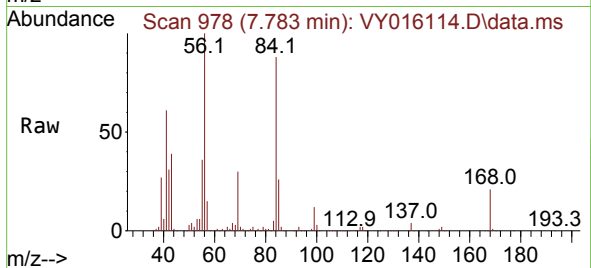
71 0.0 31.0 46.4#



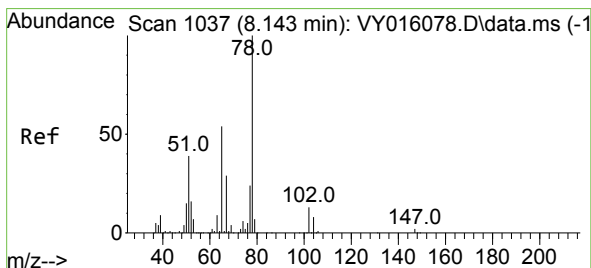
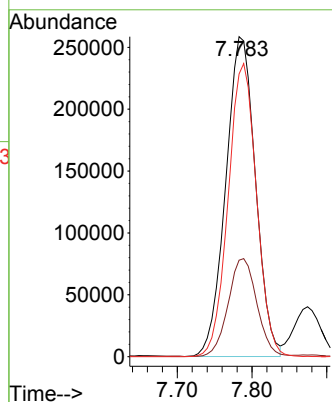
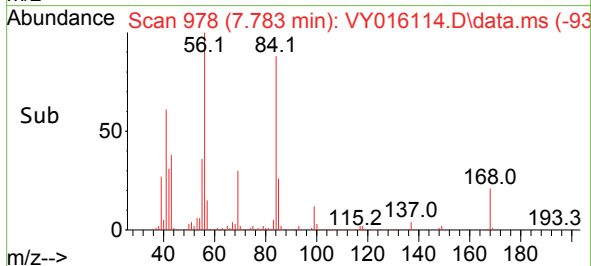


#31
Cyclohexane
Concen: 306.781 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
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Acq: 27 Oct 2023 19:17

Instrument :
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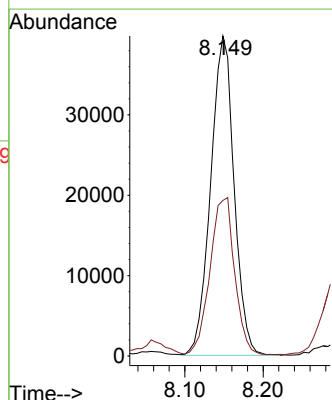
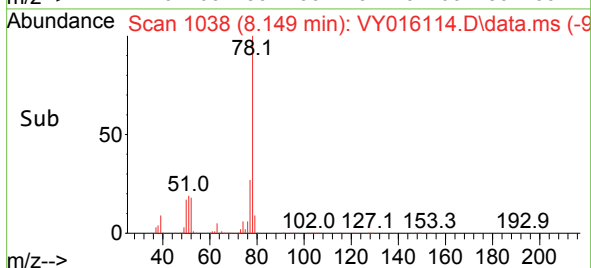
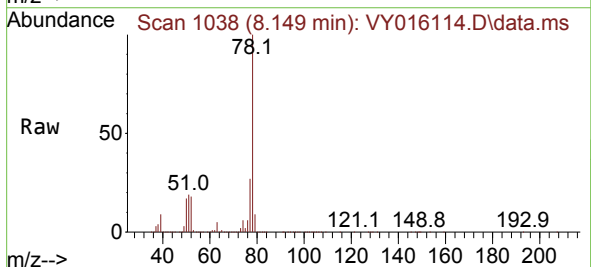


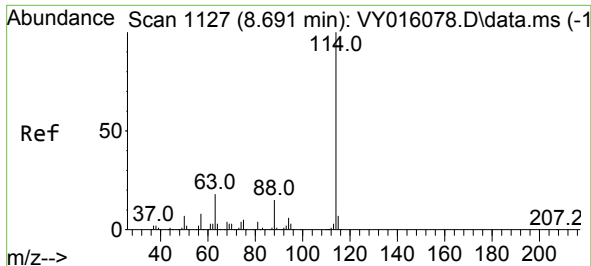
Tgt Ion: 56 Resp: 716669
Ion Ratio Lower Upper
56 100
69 29.9 27.8 41.6
84 88.4 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 55.705 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Tgt Ion: 65 Resp: 82718
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.8

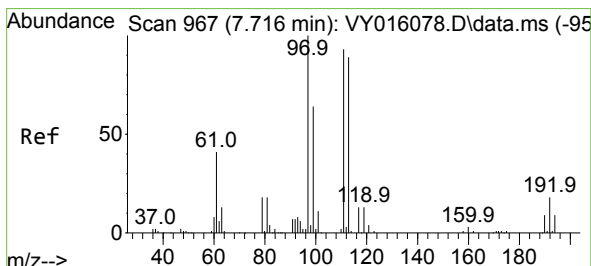
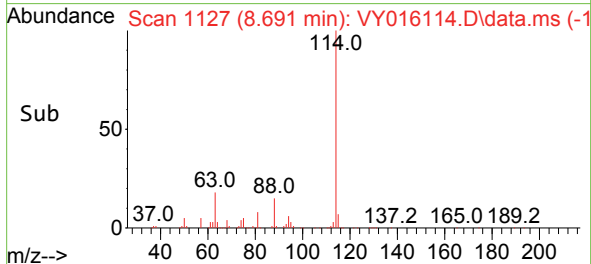
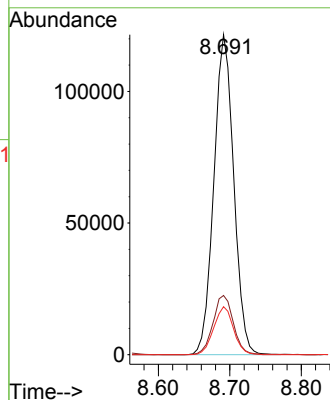
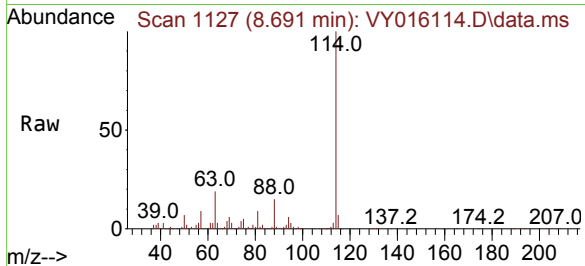




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

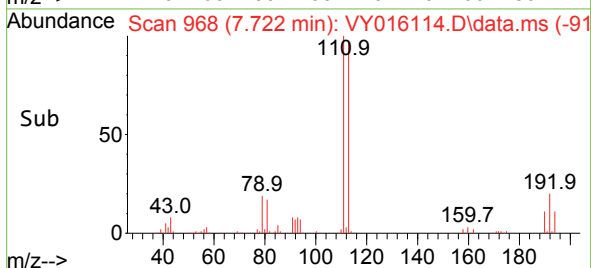
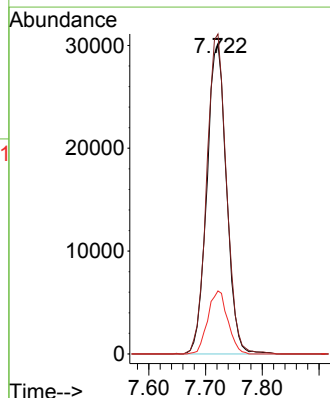
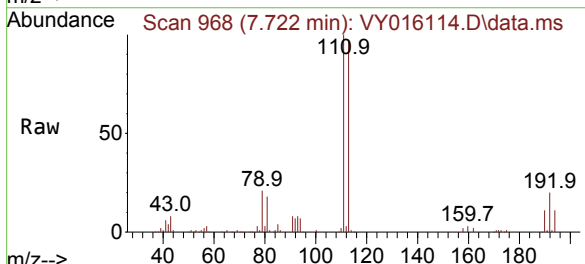
Instrument :
MSVOA_Y
ClientSampleId :

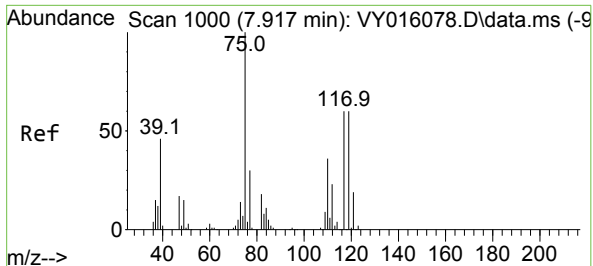
Tgt Ion:114 Resp: 234462
Ion Ratio Lower Upper
114 100
63 18.5 0.0 42.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.899 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Tgt Ion:113 Resp: 72378
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 20.6 16.9 25.3

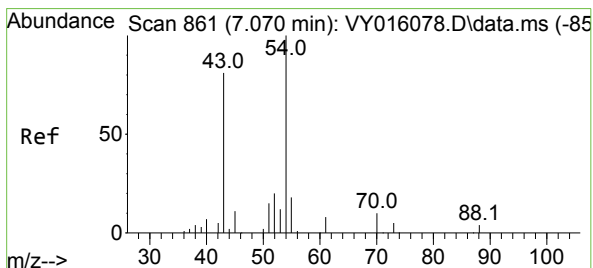
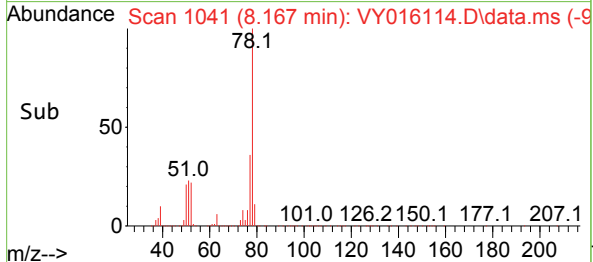
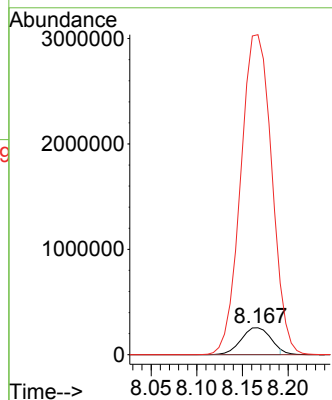
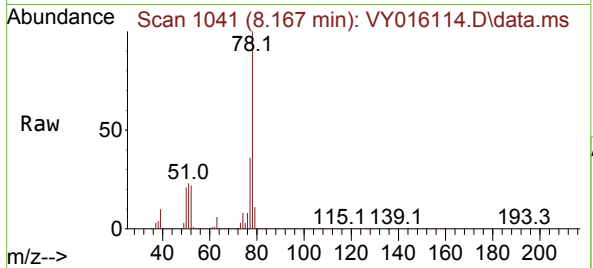




#36
1,1-Dichloropropene
Concen: 280.119 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.250 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

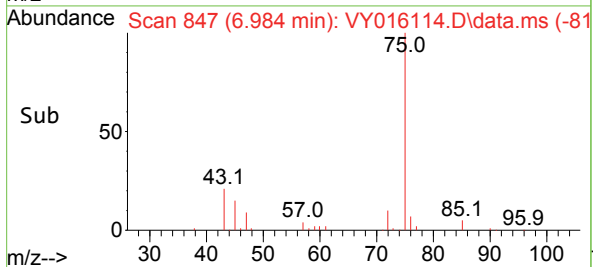
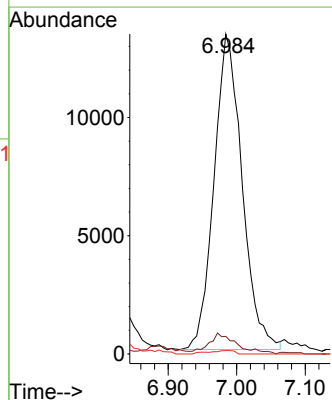
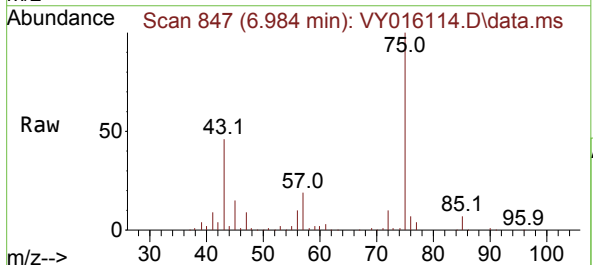
Instrument :
MSVOA_Y
ClientSampleId :

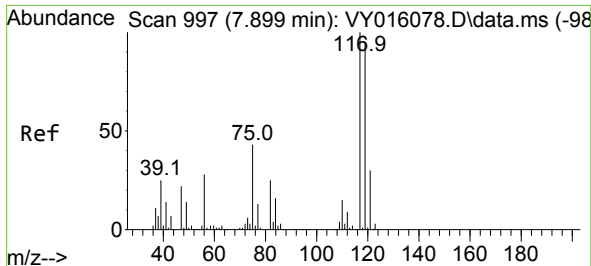
Tgt Ion: 75 Resp: 577948
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 1214.9 24.4 36.6#



#37
Ethyl Acetate
Concen: 35.934 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

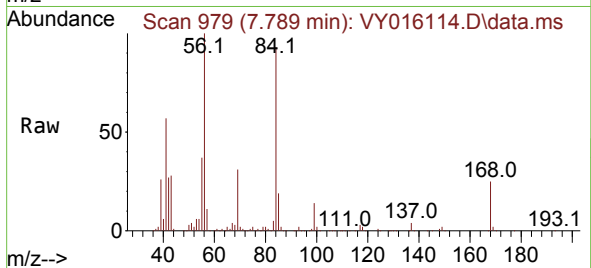
Tgt Ion: 43 Resp: 38001
Ion Ratio Lower Upper
43 100
61 6.6 10.1 15.1#
70 1.0 7.1 10.7#



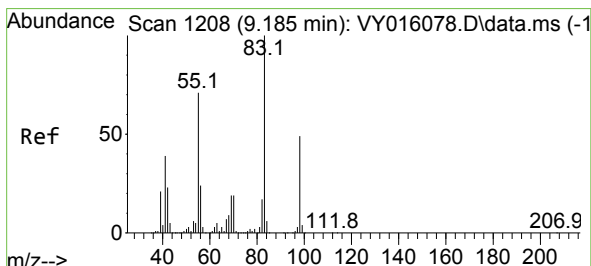
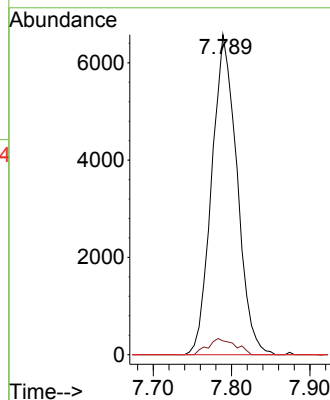
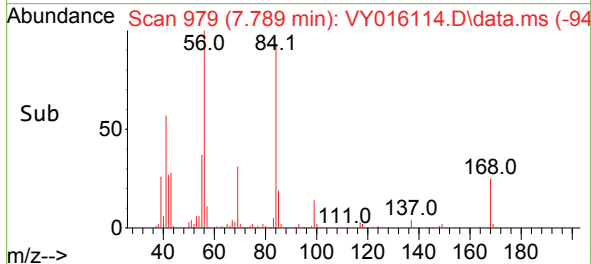


#38
Carbon Tetrachloride
Concen: 6.759 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Instrument :
MSVOA_Y
ClientSampleId :

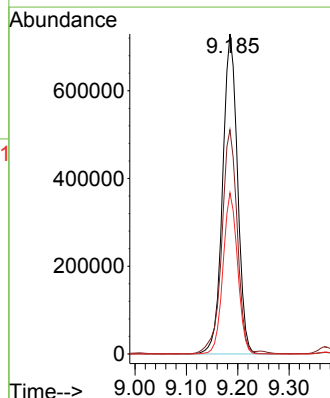
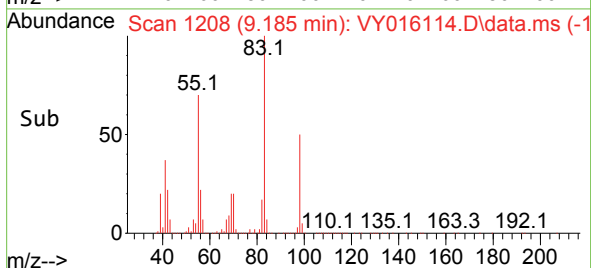
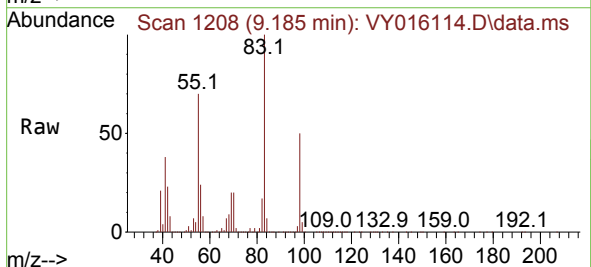


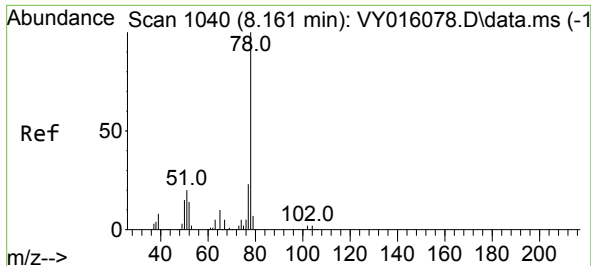
Tgt Ion:117 Resp: 14748
Ion Ratio Lower Upper
117 100
119 4.3 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 582.765 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Tgt Ion: 83 Resp: 1464785
Ion Ratio Lower Upper
83 100
55 70.0 63.0 94.4
98 50.4 37.4 56.2

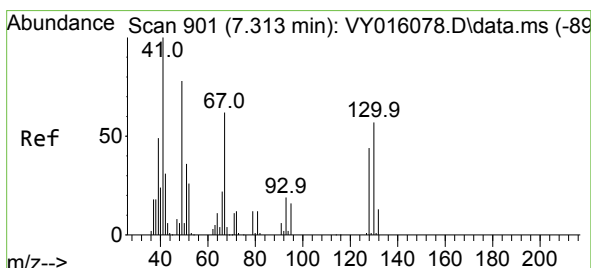
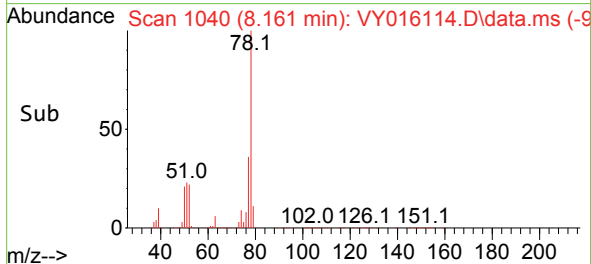
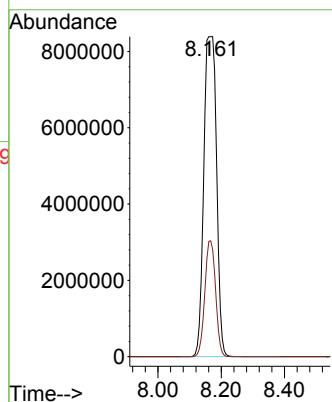
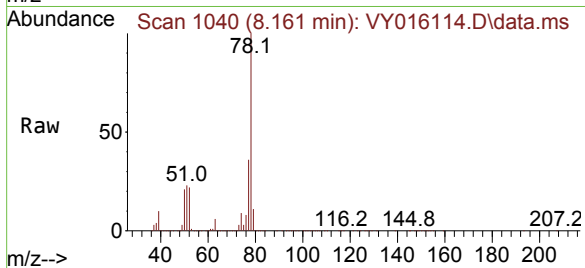




#40
Benzene
Concen: 4046.626 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

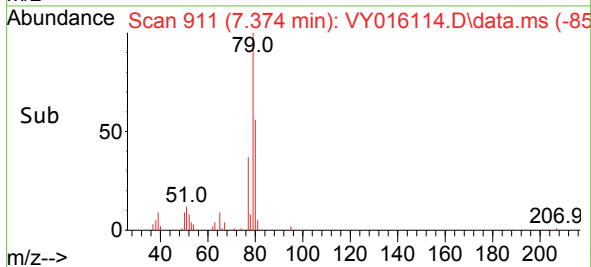
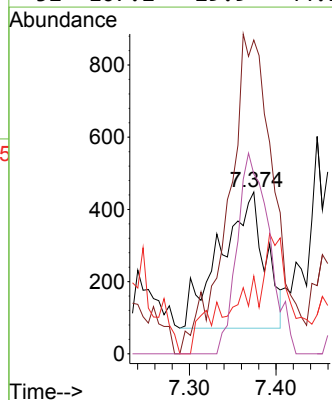
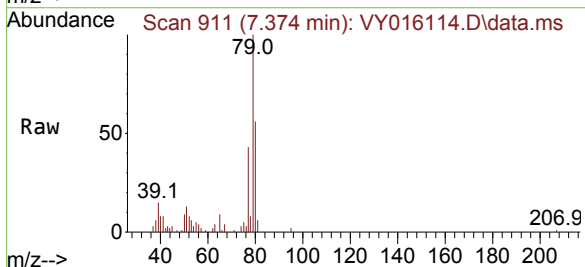
Instrument :
MSVOA_Y
ClientSampleId :

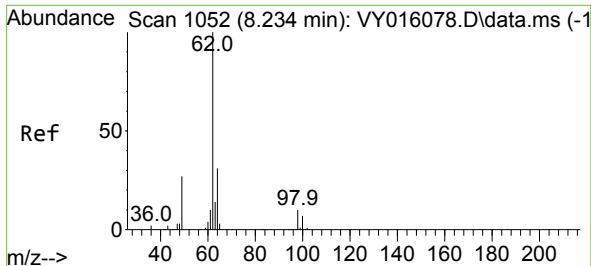
Tgt Ion: 78 Resp:23638058
Ion Ratio Lower Upper
78 100
77 36.1 19.0 28.6#



#41
Methacrylonitrile
Concen: 2.434 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.061 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Tgt Ion: 41 Resp: 1347
Ion Ratio Lower Upper
41 100
39 239.7 52.1 78.1#
67 0.0 66.2 99.2#
52 107.2 29.9 44.9#





#42

1,2-Dichloroethane

Concen: 153.646 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.073 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

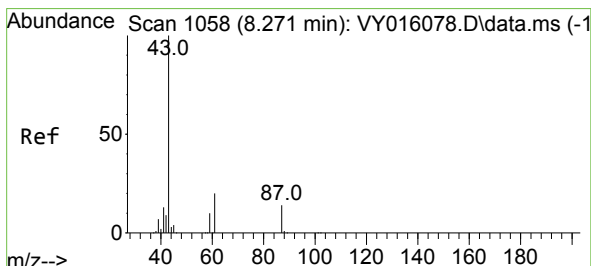
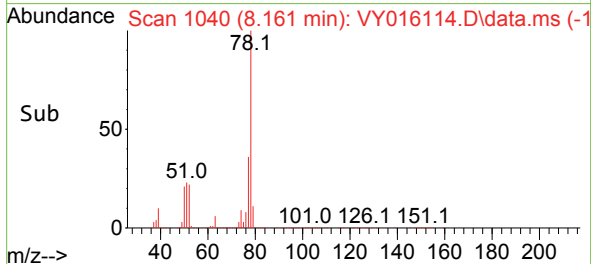
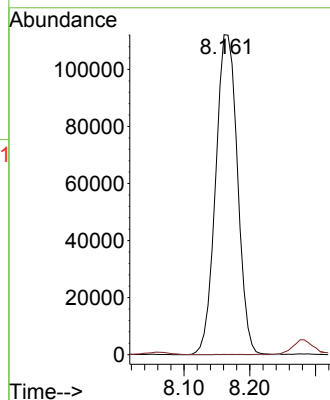
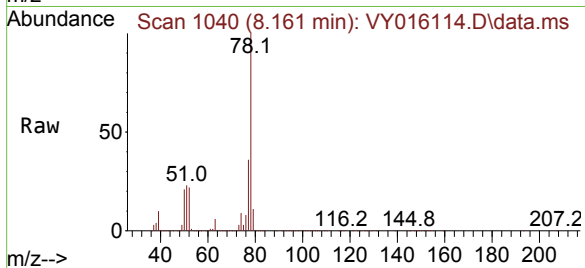
ClientSampleId :

Tgt Ion: 62 Resp: 259337

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 19.356 ug/l

RT: 8.270 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

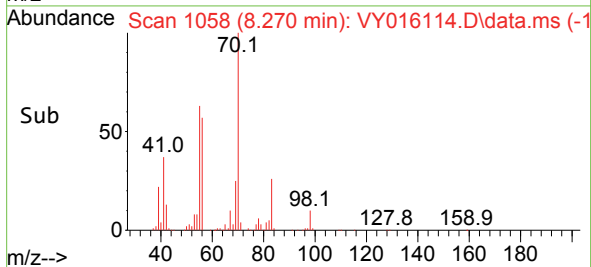
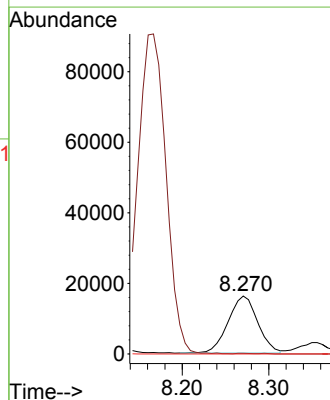
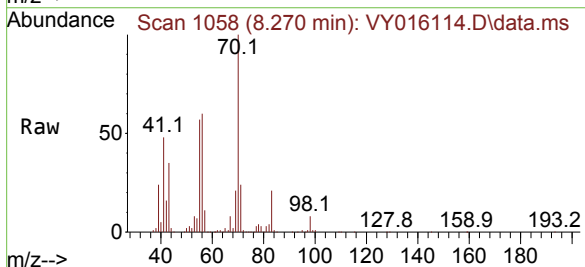
Tgt Ion: 43 Resp: 38273

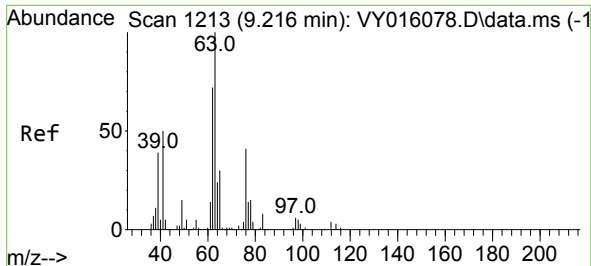
Ion Ratio Lower Upper

43 100

61 0.0 21.1 31.7#

87 0.0 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 8.893 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.031 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

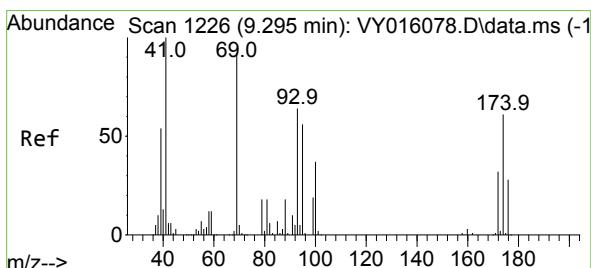
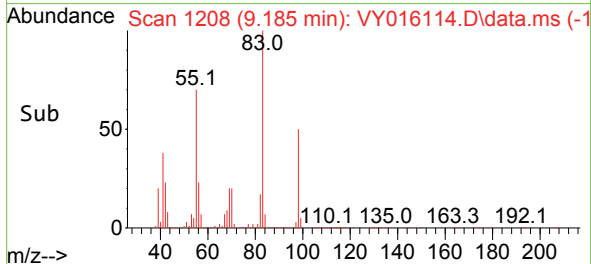
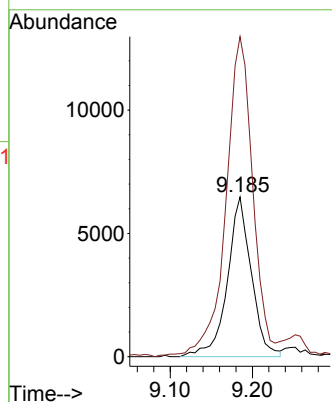
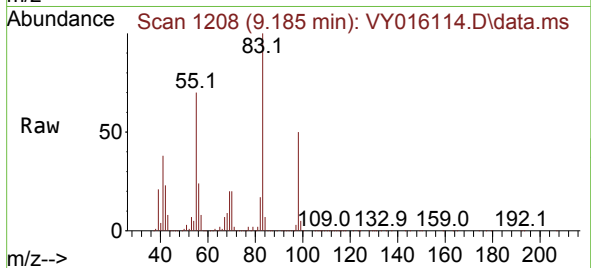
ClientSampleId :

Tgt Ion: 63 Resp: 13148

Ion Ratio Lower Upper

63 100

65 198.6 23.8 35.6#



#48

Methyl methacrylate

Concen: 36.321 ug/l

RT: 9.246 min Scan# 1218

Delta R.T. -0.049 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

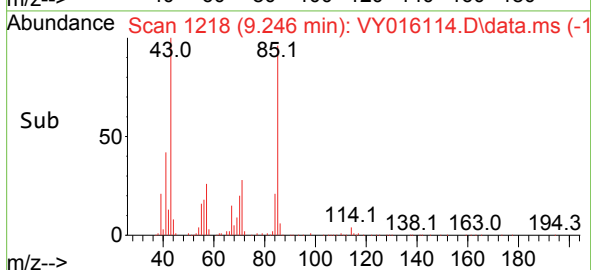
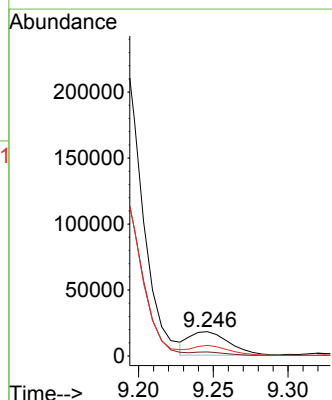
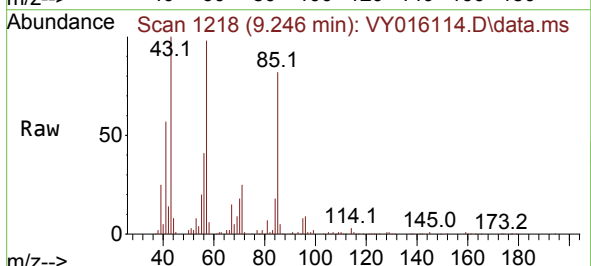
Tgt Ion: 41 Resp: 33086

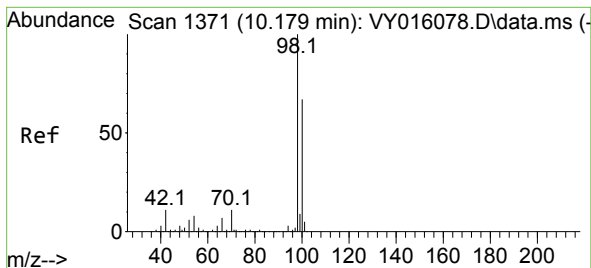
Ion Ratio Lower Upper

41 100

69 0.0 64.5 96.7#

39 41.6 50.8 76.2#





#50

Toluene-d8

Concen: 57.198 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

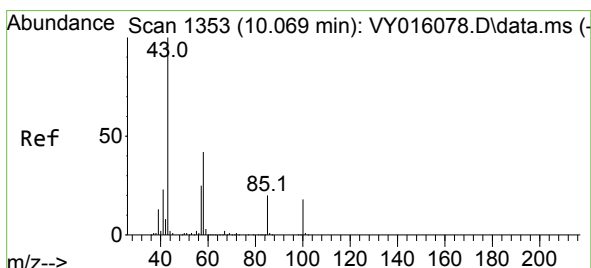
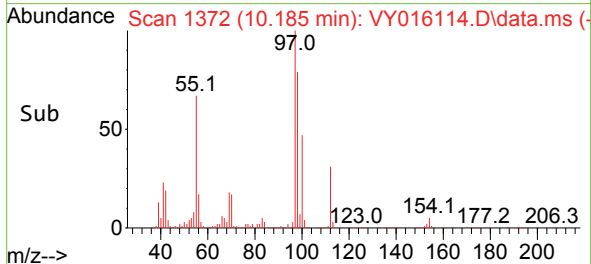
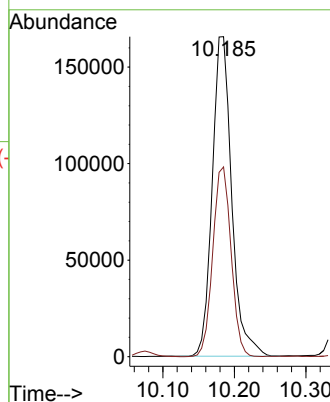
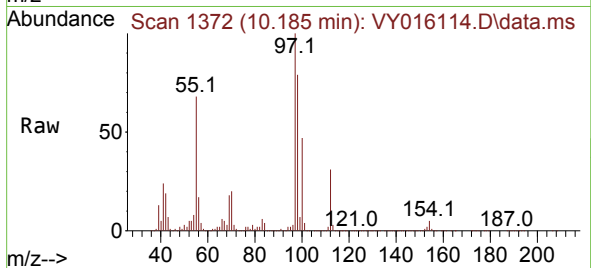
ClientSampleId :

Tgt Ion: 98 Resp: 313599

Ion Ratio Lower Upper

98 100

100 55.8 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 28.378 ug/l

RT: 10.075 min Scan# 1354

Delta R.T. 0.006 min

Lab File: VY016114.D

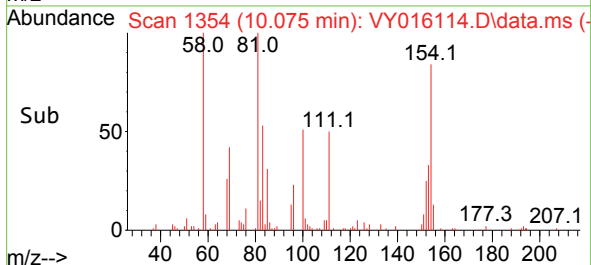
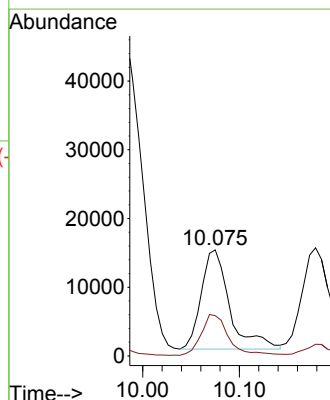
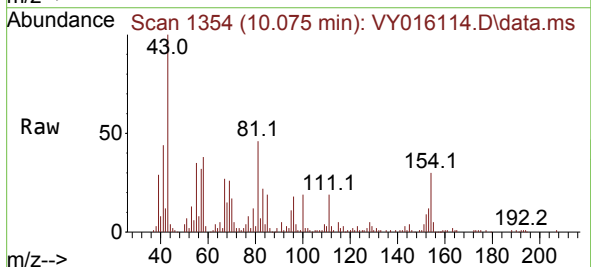
Acq: 27 Oct 2023 19:17

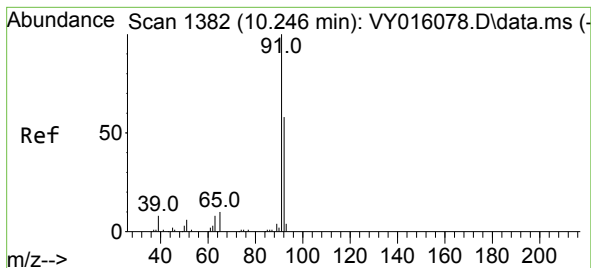
Tgt Ion: 43 Resp: 29608

Ion Ratio Lower Upper

43 100

58 39.2 29.0 43.6





#52

Toluene

Concen: 4308.090 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

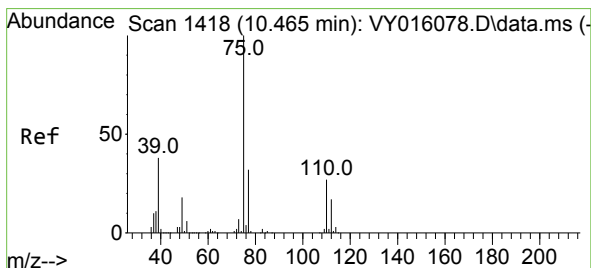
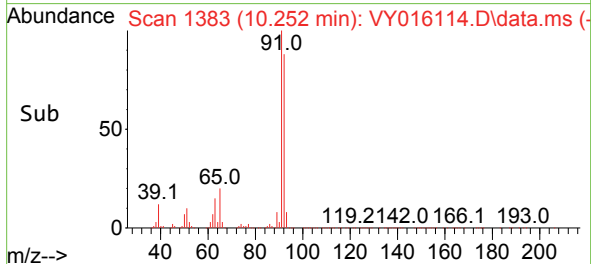
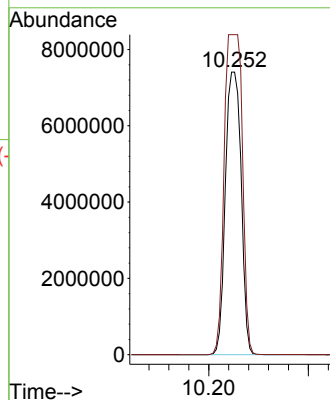
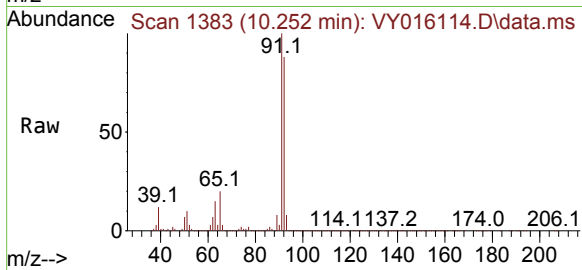
ClientSampleId :

Tgt Ion: 92 Resp:16159793

Ion Ratio Lower Upper

92 100

91 130.7 143.8 215.6#



#53

t-1,3-Dichloropropene

Concen: 107.933 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. -0.213 min

Lab File: VY016114.D

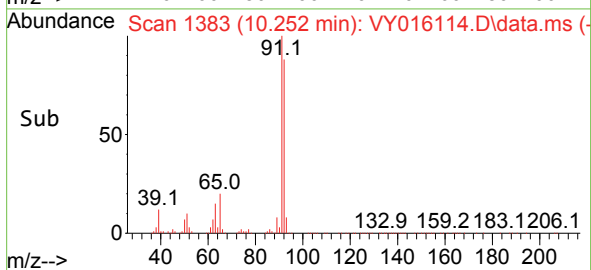
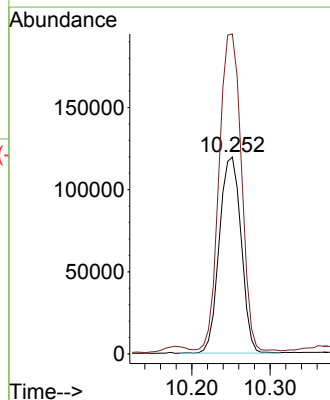
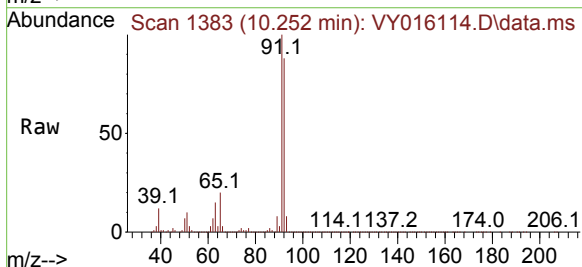
Acq: 27 Oct 2023 19:17

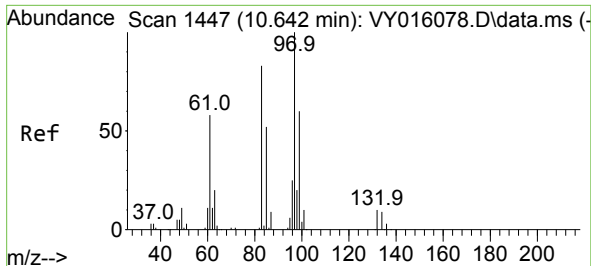
Tgt Ion: 75 Resp: 231390

Ion Ratio Lower Upper

75 100

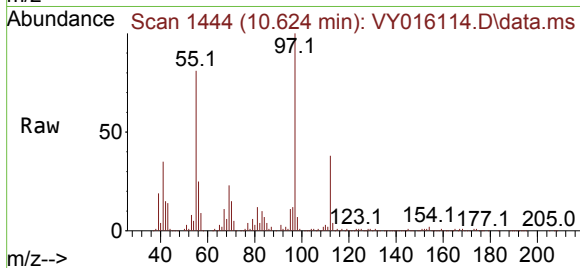
77 161.4 25.0 37.4#



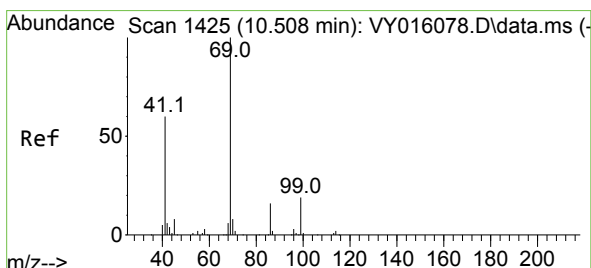
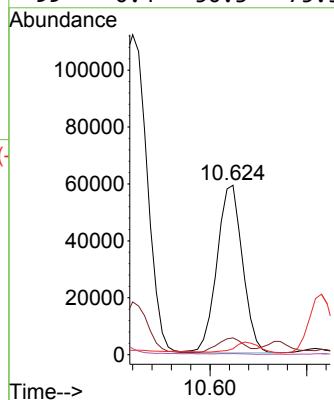
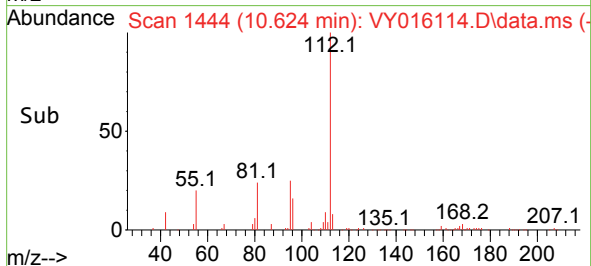


#55
 1,1,2-Trichloroethane
 Concen: 87.613 ug/l
 RT: 10.624 min Scan# 1444
 Delta R.T. -0.018 min
 Lab File: VY016114.D
 Acq: 27 Oct 2023 19:17

Instrument :
 MSVOA_Y
 ClientSampleId :

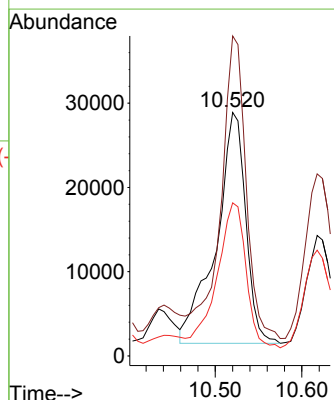
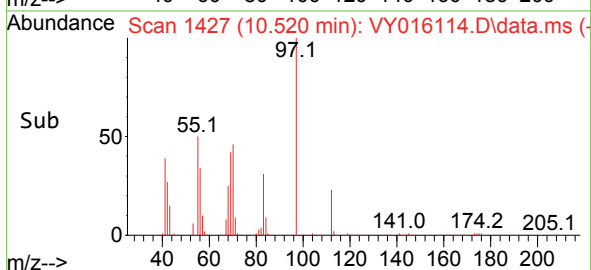
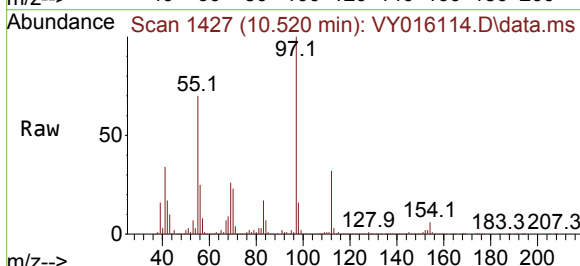


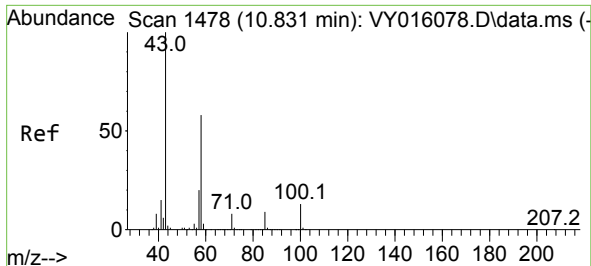
Tgt Ion: 97	Resp: 107910
Ion Ratio	Lower Upper
97 100	
83 8.8	72.0 108.0#
85 2.3	45.4 68.0#
99 0.4	50.3 75.5#



#56
 Ethyl methacrylate
 Concen: 41.206 ug/l
 RT: 10.520 min Scan# 1427
 Delta R.T. 0.012 min
 Lab File: VY016114.D
 Acq: 27 Oct 2023 19:17

Tgt Ion: 69	Resp: 65225		
Ion Ratio	Lower	Upper	
69 100			
41 111.3	57.6	86.4#	
39 0.0	34.1	51.1#	

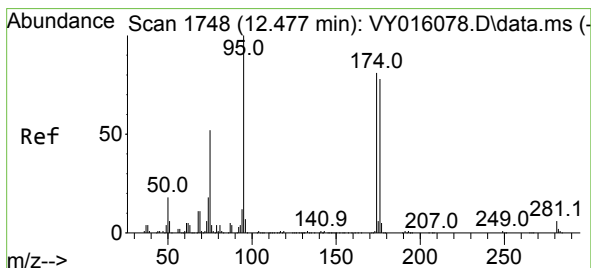
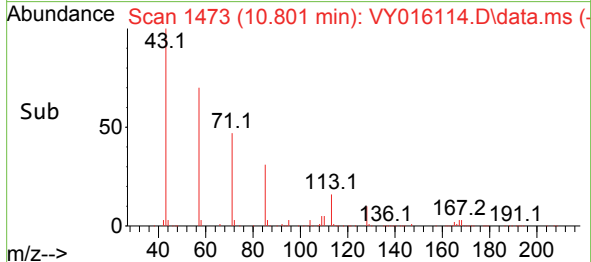
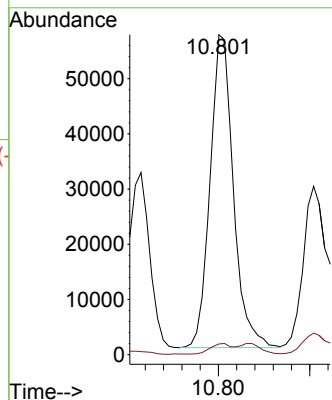
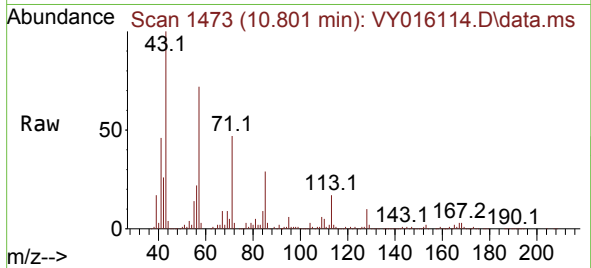




#59
2-Hexanone
Concen: 130.425 ug/l
RT: 10.801 min Scan# 1478
Delta R.T. -0.031 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

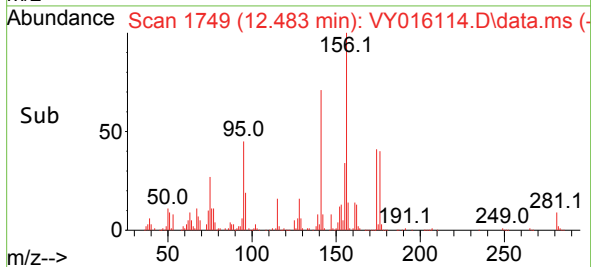
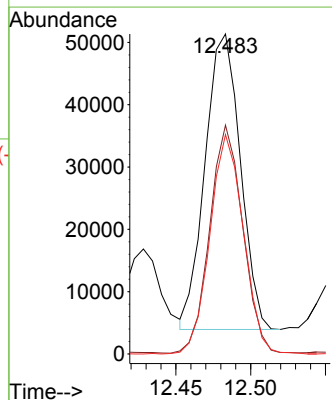
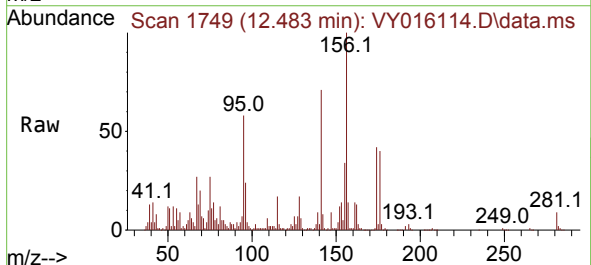
Instrument :
MSVOA_Y
ClientSampleId :

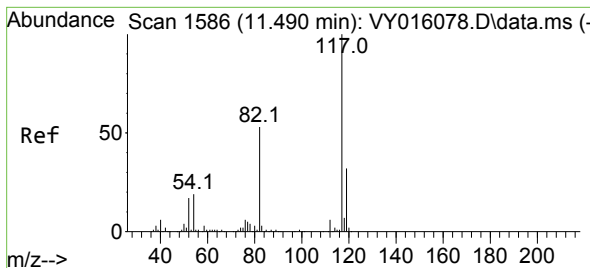
Tgt Ion: 43 Resp: 100240
Ion Ratio Lower Upper
43 100
58 3.5 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 41.328 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Tgt Ion: 95 Resp: 77725
Ion Ratio Lower Upper
95 100
174 72.0 0.0 178.2
176 70.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

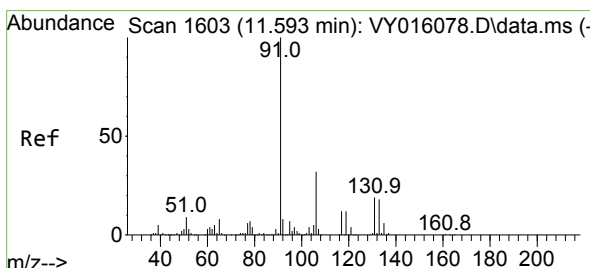
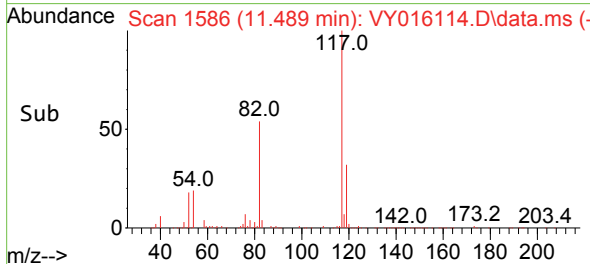
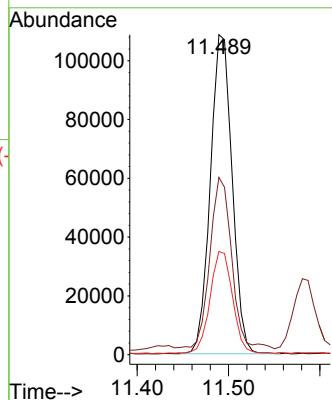
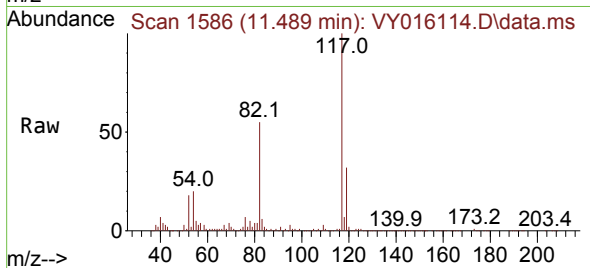
Tgt Ion:117 Resp: 179403

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 31.7 26.3 39.5



#67

Ethyl Benzene

Concen: 670.670 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY016114.D

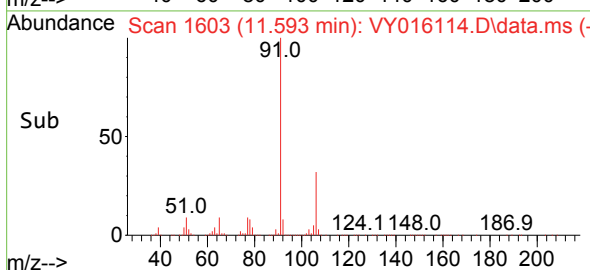
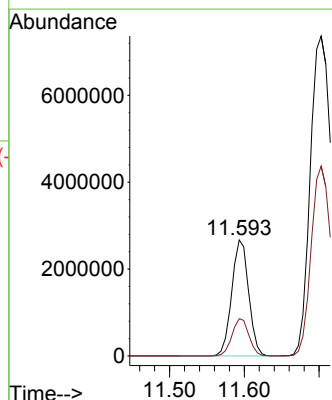
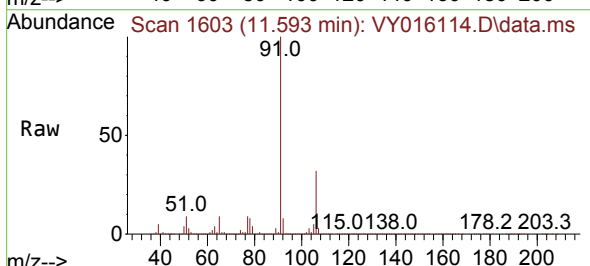
Acq: 27 Oct 2023 19:17

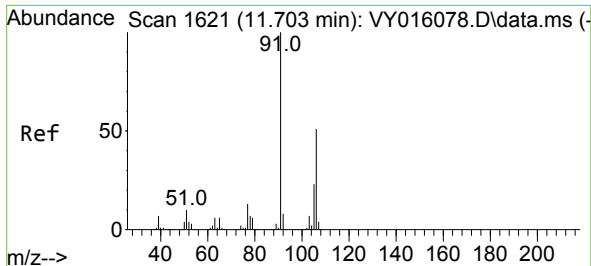
Tgt Ion: 91 Resp: 4199806

Ion Ratio Lower Upper

91 100

106 32.1 24.6 36.8

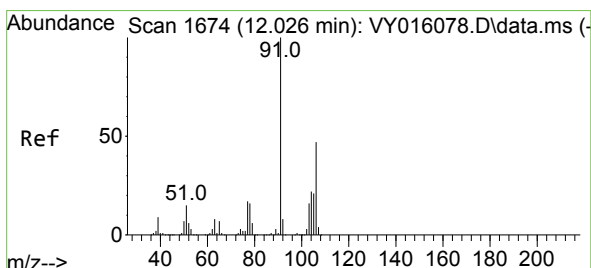
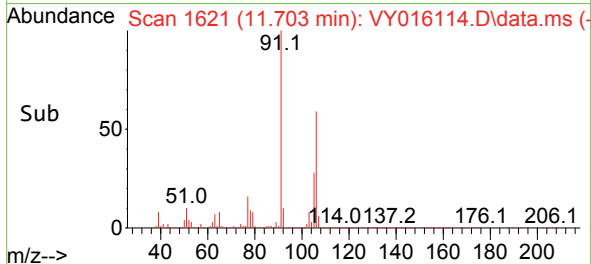
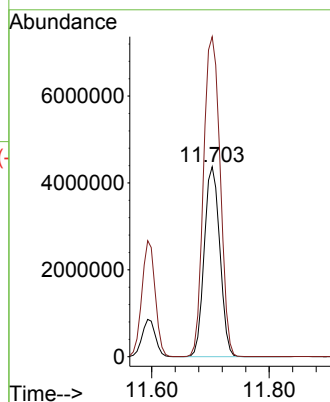
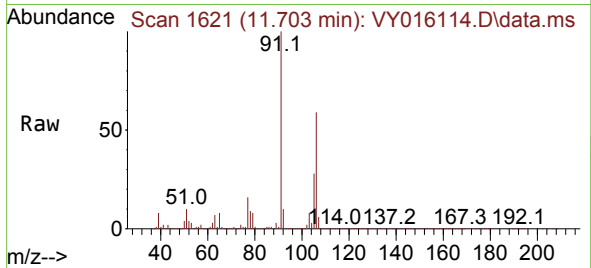




#68
m/p-Xylenes
Concen: 3317.619 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

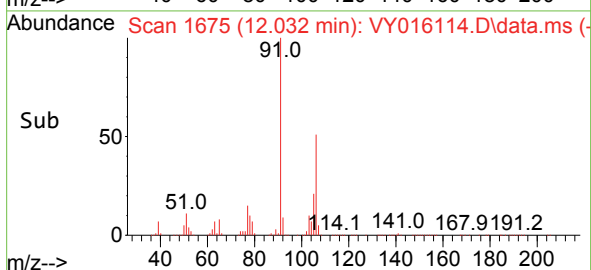
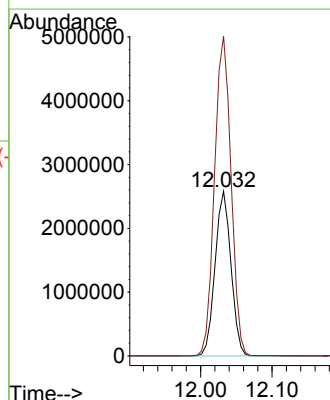
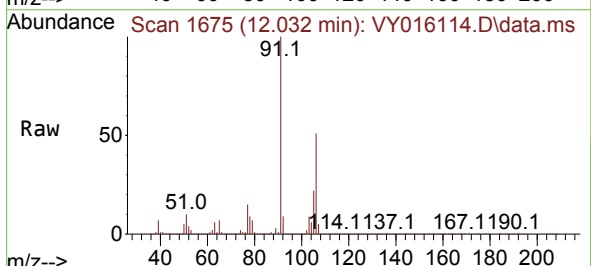
Instrument :
MSVOA_Y
ClientSampleId :

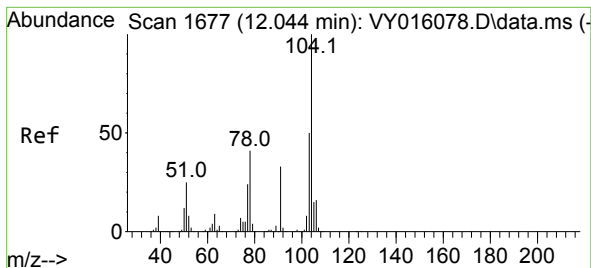
Tgt Ion:106 Resp: 8039836
Ion Ratio Lower Upper
106 100
91 179.5 166.1 249.1



#69
o-Xylene
Concen: 1714.760 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Tgt Ion:106 Resp: 3978280
Ion Ratio Lower Upper
106 100
91 201.9 108.1 324.3





#70

Styrene

Concen: 252.080 ug/l

RT: 12.044 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

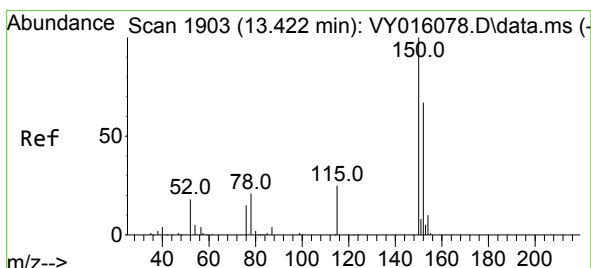
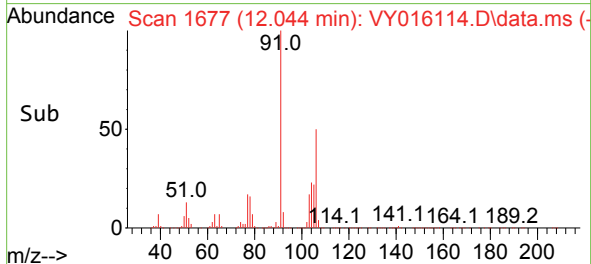
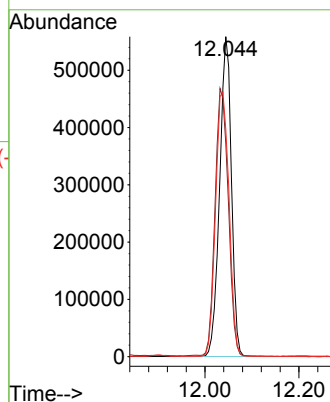
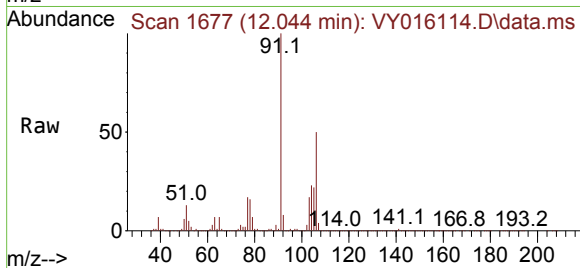
Tgt Ion:104 Resp: 974867

Ion Ratio Lower Upper

104 100

78 94.0 41.5 62.3#

103 94.3 44.6 67.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

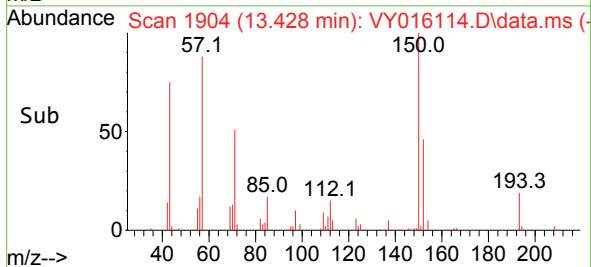
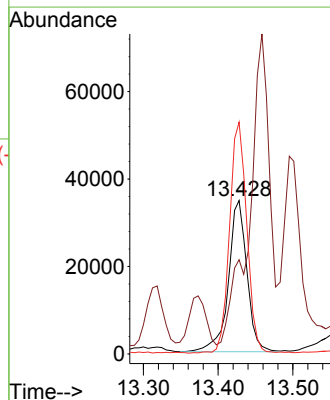
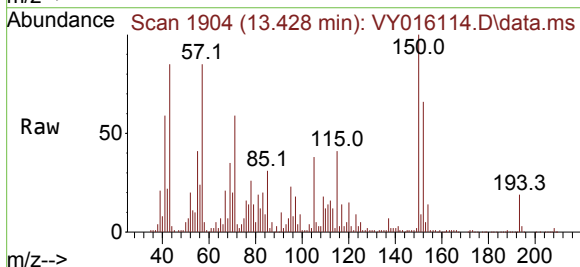
Tgt Ion:152 Resp: 59407

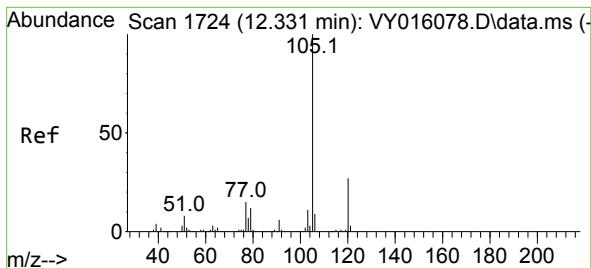
Ion Ratio Lower Upper

152 100

115 0.0 28.8 86.5#

150 142.8 0.0 348.8





#73

Isopropylbenzene

Concen: 86.162 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

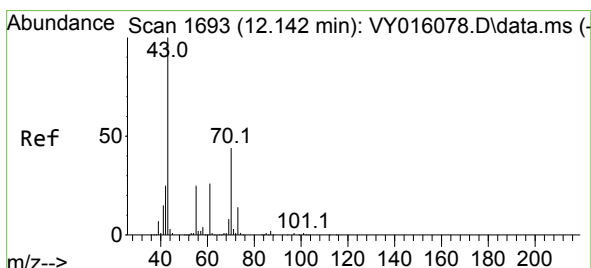
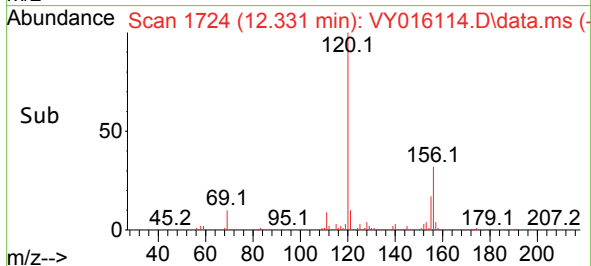
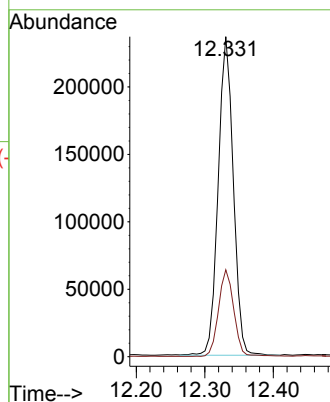
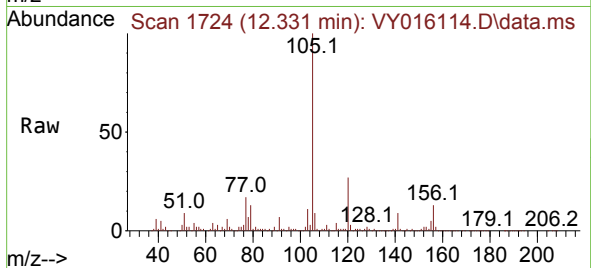
ClientSampleId :

Tgt Ion:105 Resp: 360231

Ion Ratio Lower Upper

105 100

120 27.7 13.3 39.9



#74

N-ethyl acetate

Concen: 47.701 ug/l

RT: 12.123 min Scan# 1690

Delta R.T. -0.018 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Tgt Ion: 43 Resp: 48628

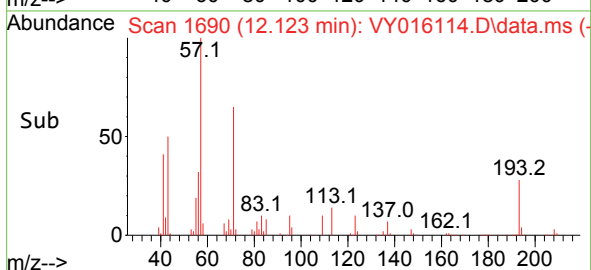
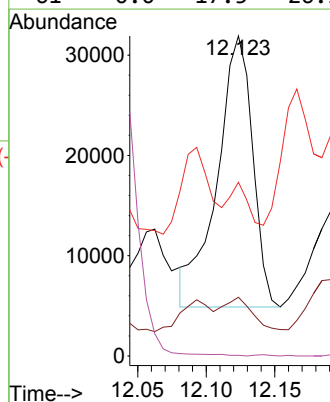
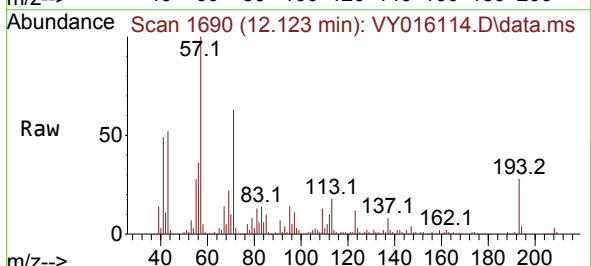
Ion Ratio Lower Upper

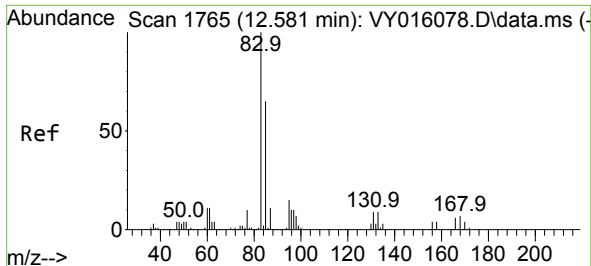
43 100

70 9.5 29.7 44.5#

55 0.0 18.3 27.5#

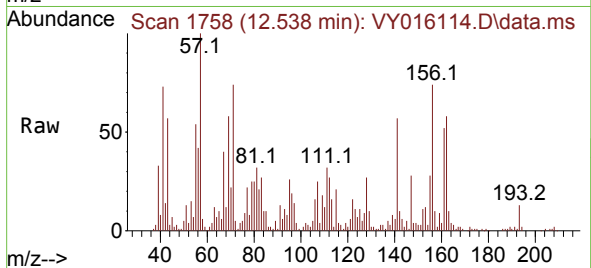
61 0.0 17.5 26.3#



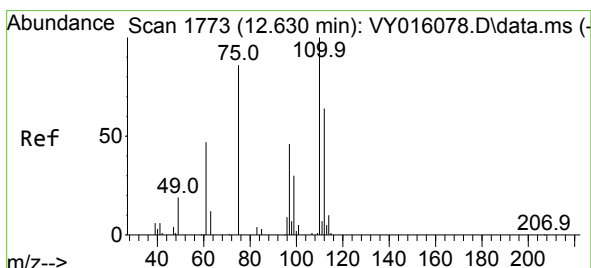
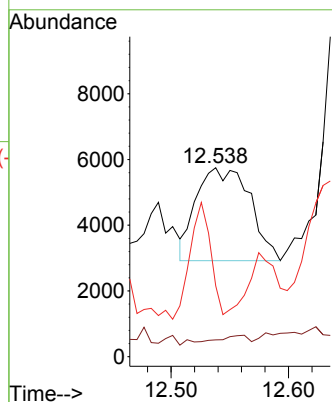
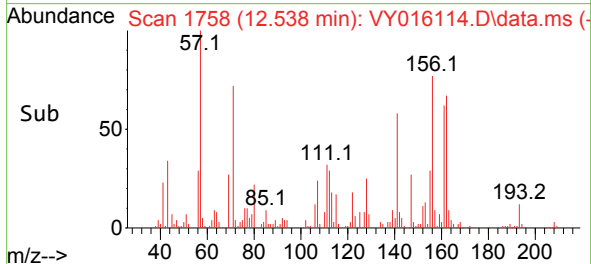


#75
 1,1,2,2-Tetrachloroethane
 Concen: 10.476 ug/l
 RT: 12.538 min Scan# 1758
 Delta R.T. -0.043 min
 Lab File: VY016114.D
 Acq: 27 Oct 2023 19:17

Instrument :
 MSVOA_Y
 ClientSampleId :

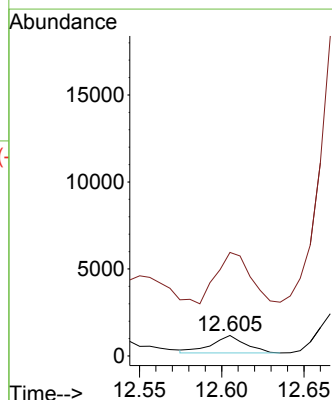
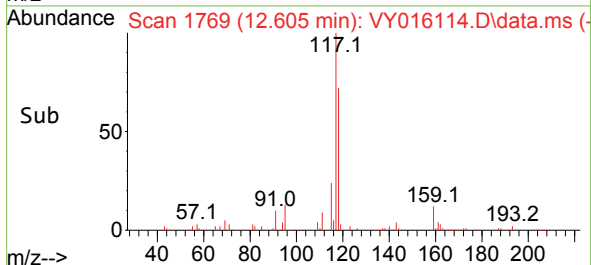
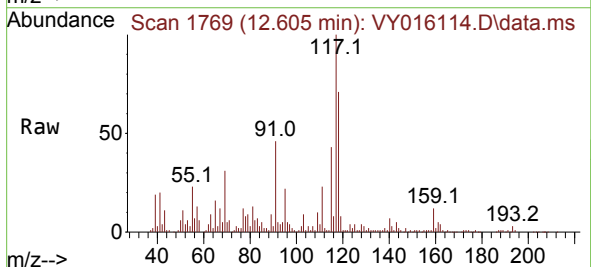


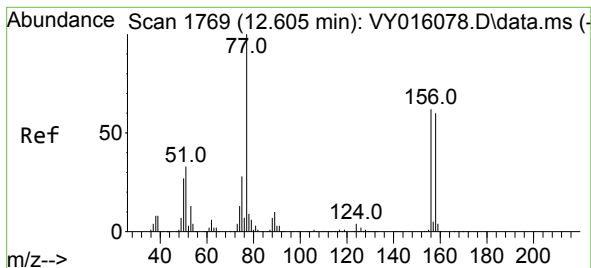
Tgt Ion: 83 Resp: 8953
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.4 16.2#
 85 50.3 31.8 95.4



#76
 1,2,3-Trichloropropane
 Concen: 2.349 ug/l
 RT: 12.605 min Scan# 1769
 Delta R.T. -0.025 min
 Lab File: VY016114.D
 Acq: 27 Oct 2023 19:17

Tgt Ion: 75 Resp: 1425
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 1222.843 ug/l

RT: 12.404 min Scan# 1736

Delta R.T. -0.201 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

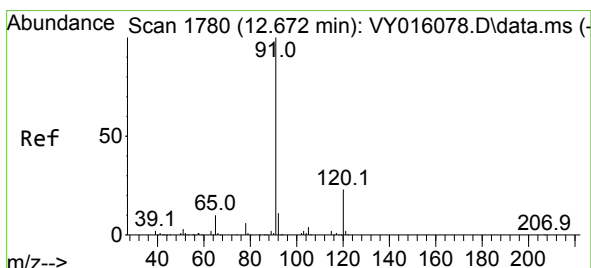
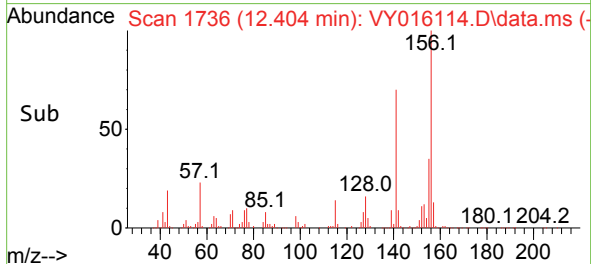
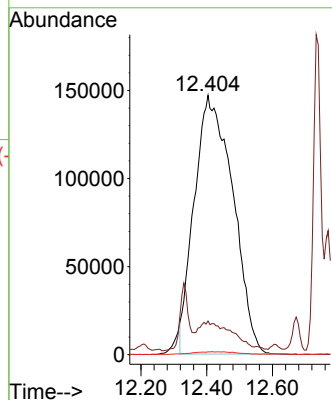
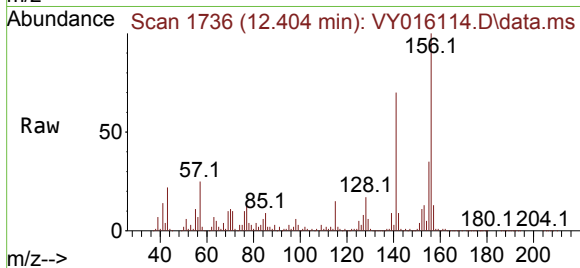
Tgt Ion:156 Resp: 1193178

Ion Ratio Lower Upper

156 100

77 7.6 92.8 278.6#

158 0.4 48.4 145.3#



#78

n-propylbenzene

Concen: 143.788 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY016114.D

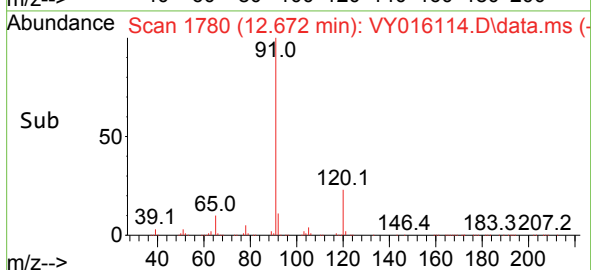
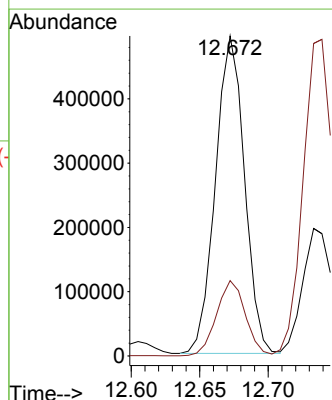
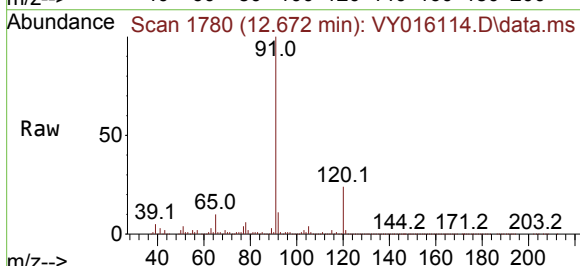
Acq: 27 Oct 2023 19:17

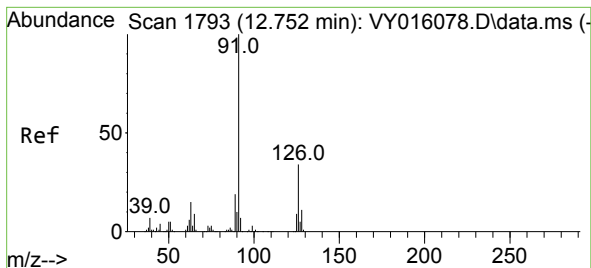
Tgt Ion: 91 Resp: 727888

Ion Ratio Lower Upper

91 100

120 23.5 11.5 34.4

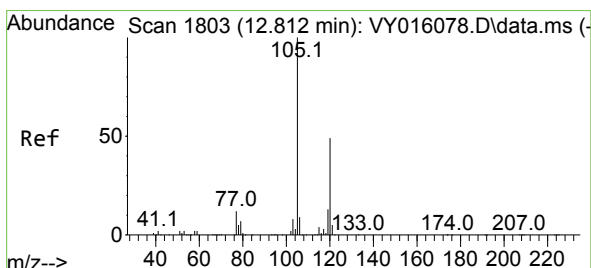
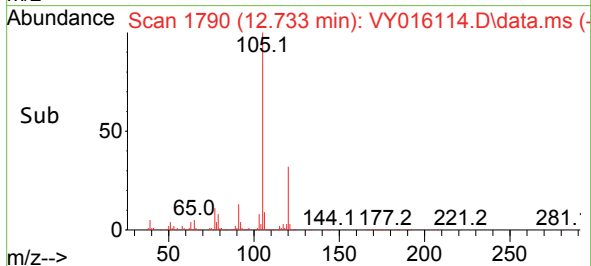
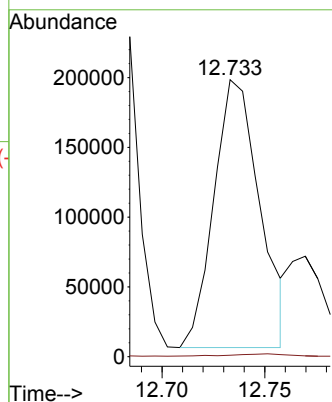
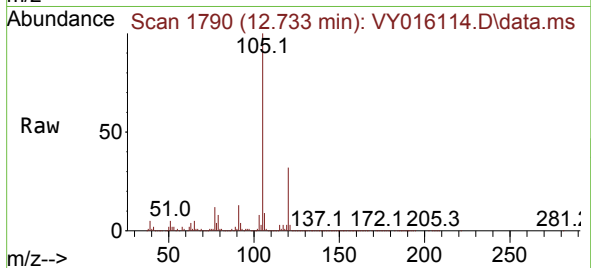




#79
2-Chlorotoluene
Concen: 105.292 ug/l
RT: 12.733 min Scan# 1790
Delta R.T. -0.018 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

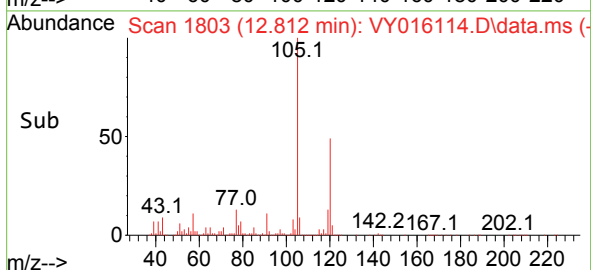
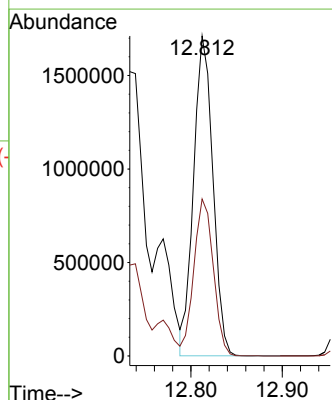
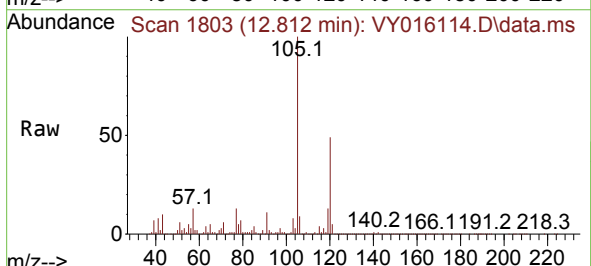
Instrument :
MSVOA_Y
ClientSampleId :

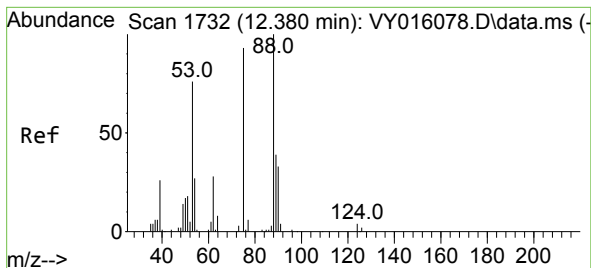
Tgt Ion: 91 Resp: 298516
Ion Ratio Lower Upper
91 100
126 1.1 17.3 51.7#



#80
1,3,5-Trimethylbenzene
Concen: 723.295 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Tgt Ion: 105 Resp: 2510671
Ion Ratio Lower Upper
105 100
120 49.6 23.9 71.7

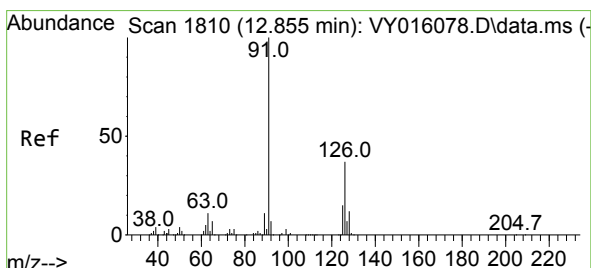
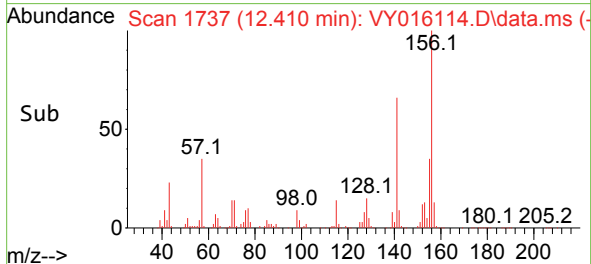
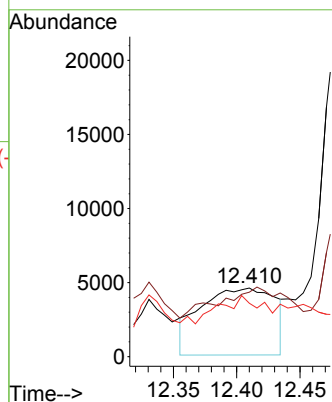
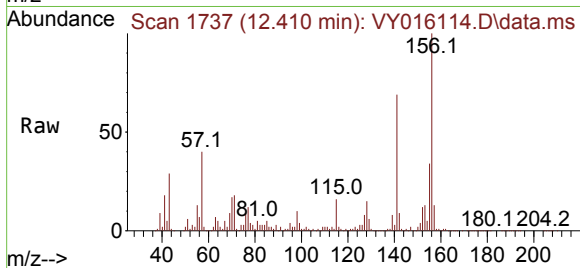




#81
trans-1,4-Dichloro-2-butene
Concen: 66.123 ug/l
RT: 12.410 min Scan# 1
Delta R.T. 0.030 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

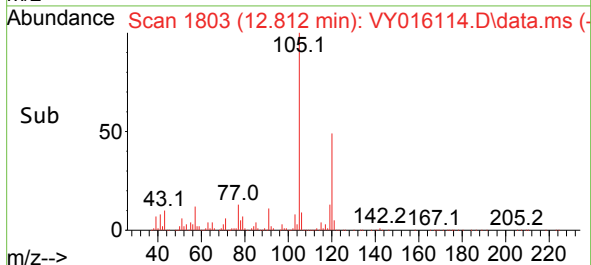
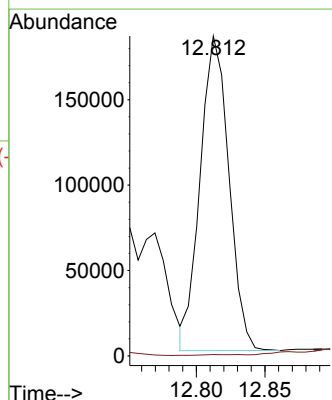
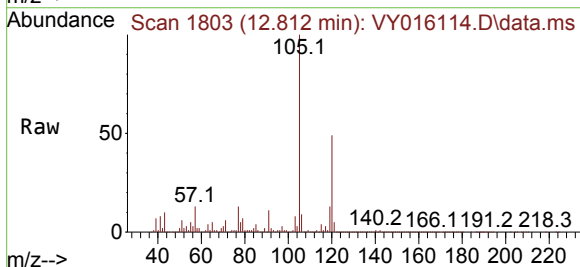
Instrument :
MSVOA_Y
ClientSampleId :

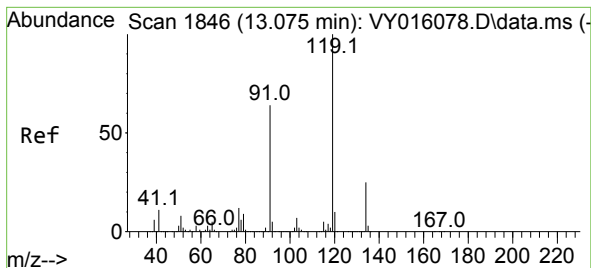
Tgt Ion: 75 Resp: 18455
Ion Ratio Lower Upper
75 100
53 39.5 77.8 116.8#
89 26.6 37.4 56.0#



#82
4-Chlorotoluene
Concen: 91.276 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.043 min
Lab File: VY016114.D
Acq: 27 Oct 2023 19:17

Tgt Ion: 91 Resp: 268371
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#





#83

tert-Butylbenzene

Concen: 11.552 ug/l

RT: 13.074 min Scan# 1846

Delta R.T. -0.000 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

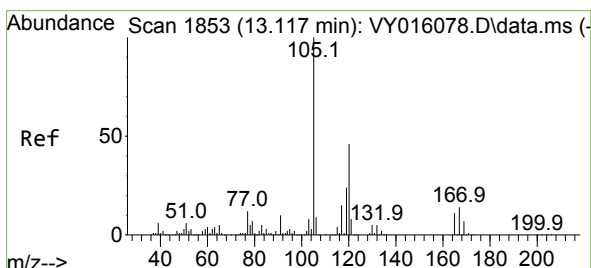
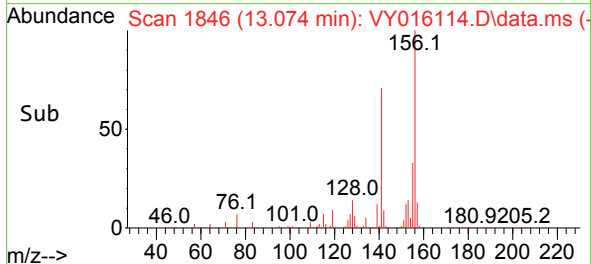
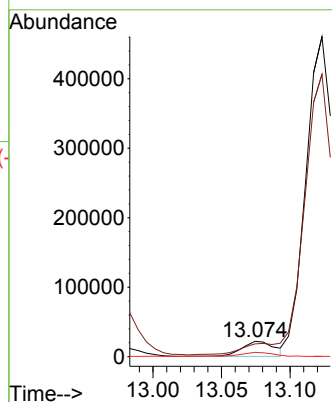
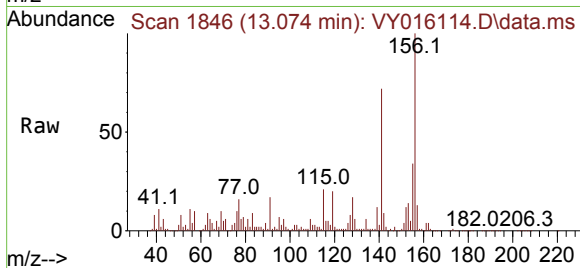
Tgt Ion:119 Resp: 35644

Ion Ratio Lower Upper

119 100

91 0.0 32.9 98.6#

134 30.4 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 1587.340 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY016114.D

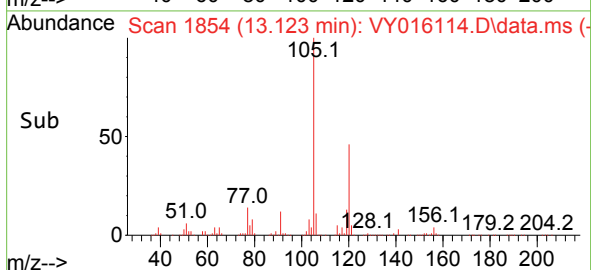
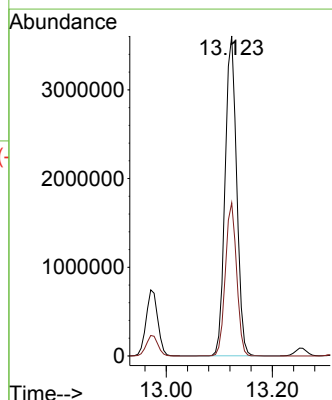
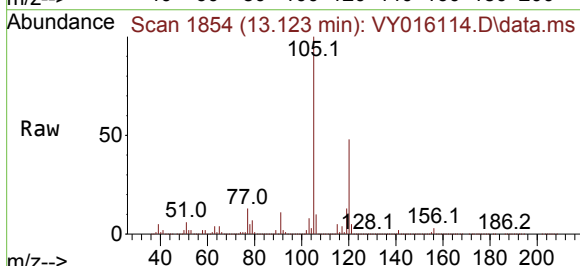
Acq: 27 Oct 2023 19:17

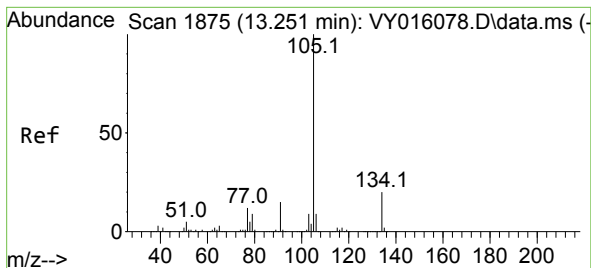
Tgt Ion:105 Resp: 5441745

Ion Ratio Lower Upper

105 100

120 46.6 22.2 66.6





#85

sec-Butylbenzene

Concen: 1184.149 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.128 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

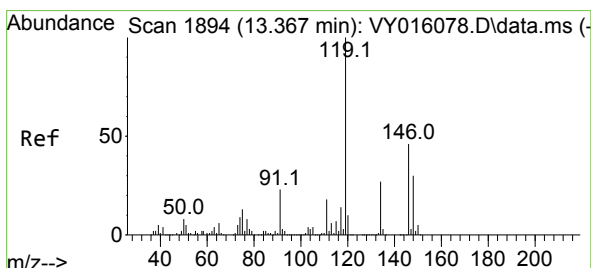
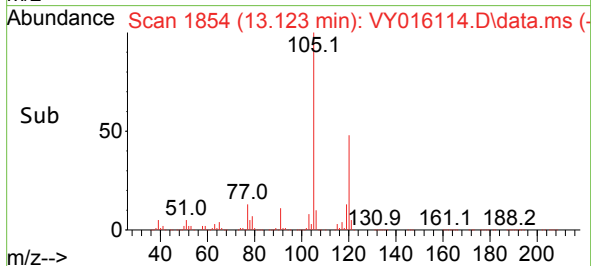
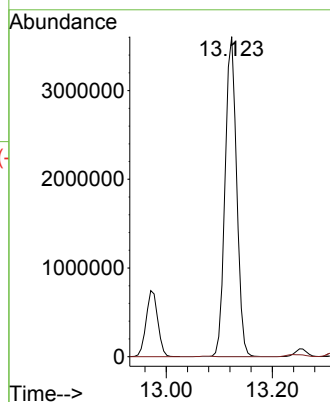
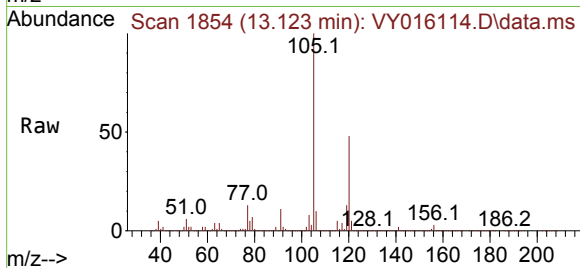
ClientSampleId :

Tgt Ion:105 Resp: 5441745

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 46.959 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

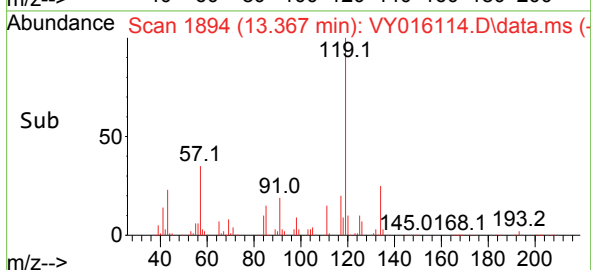
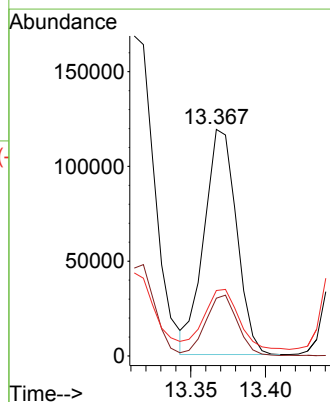
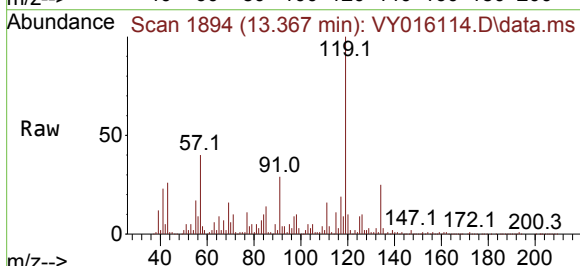
Tgt Ion:119 Resp: 180069

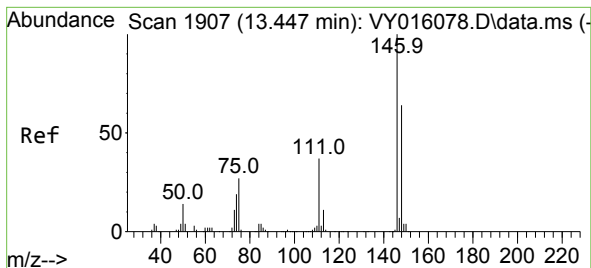
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 28.2 12.4 37.4





#88

1,4-Dichlorobenzene

Concen: 2.824 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

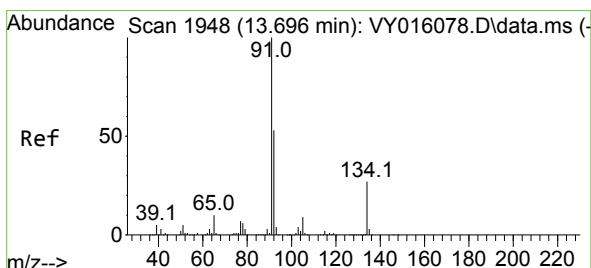
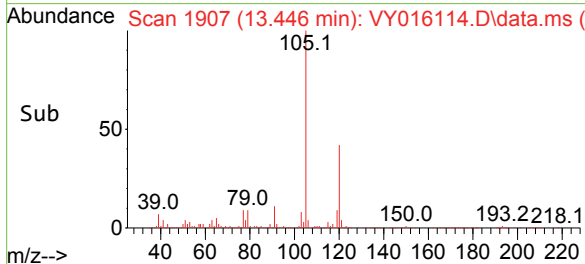
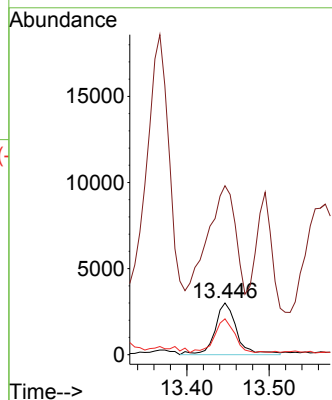
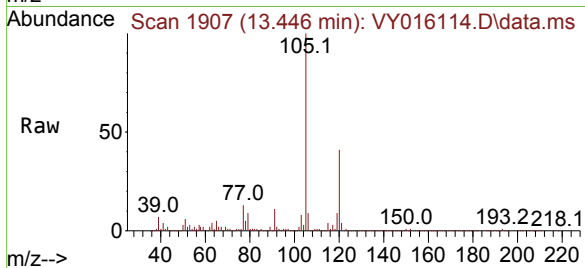
Tgt Ion:146 Resp: 5499

Ion Ratio Lower Upper

146 100

111 310.9 18.9 56.7#

148 59.4 32.1 96.5



#89

n-Butylbenzene

Concen: 28.041 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

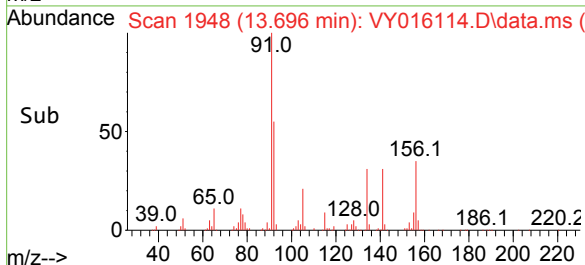
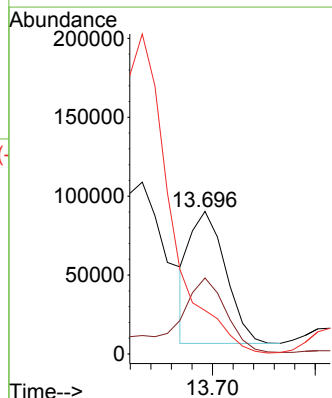
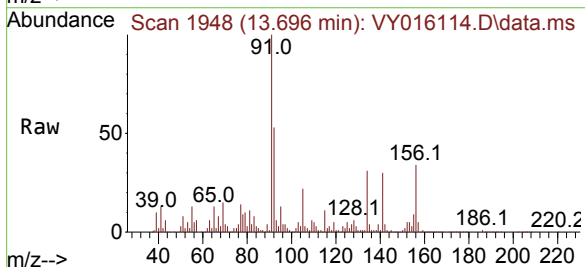
Tgt Ion: 91 Resp: 100303

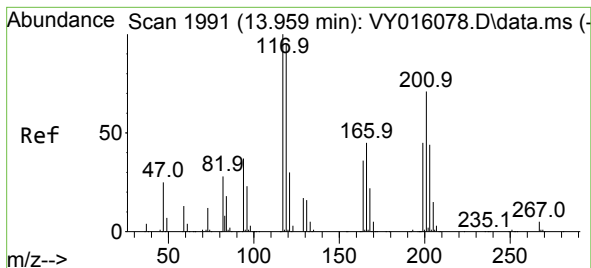
Ion Ratio Lower Upper

91 100

92 81.4 25.4 76.0#

134 0.0 12.6 37.6#





#90

Hexachloroethane

Concen: 81.285 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

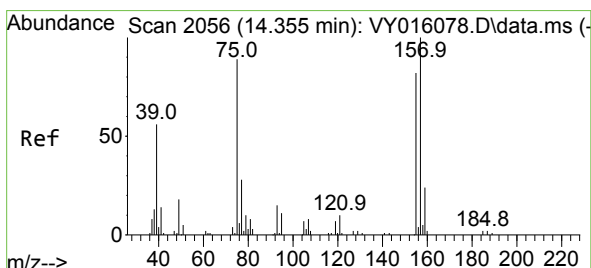
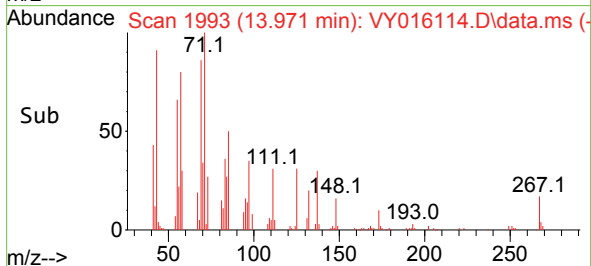
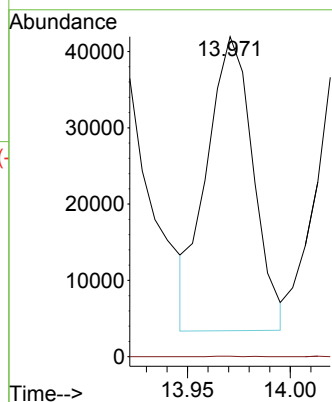
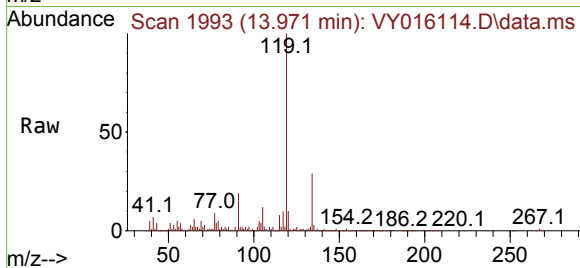
ClientSampleId :

Tgt Ion:117 Resp: 60684

Ion Ratio Lower Upper

117 100

201 0.1 41.6 124.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.633 ug/l

RT: 14.336 min Scan# 2053

Delta R.T. -0.018 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

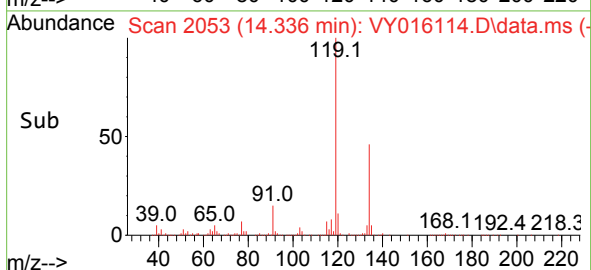
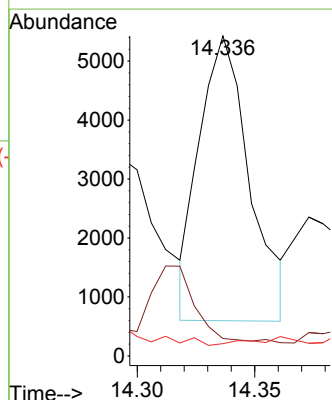
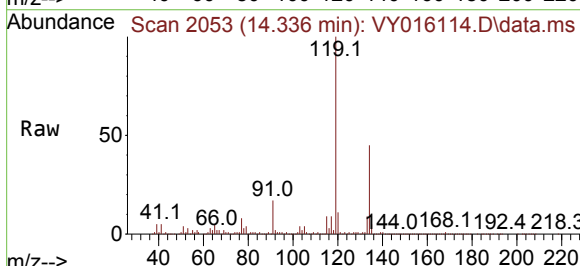
Tgt Ion: 75 Resp: 7196

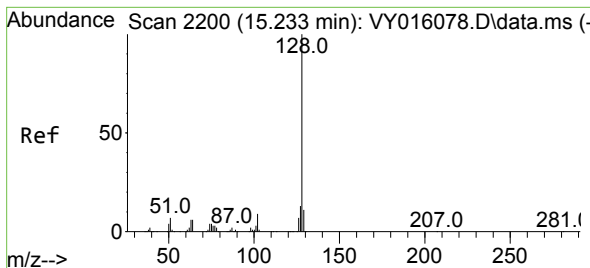
Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

157 0.0 51.8 155.5#





#95

Naphthalene

Concen: 8821.956 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

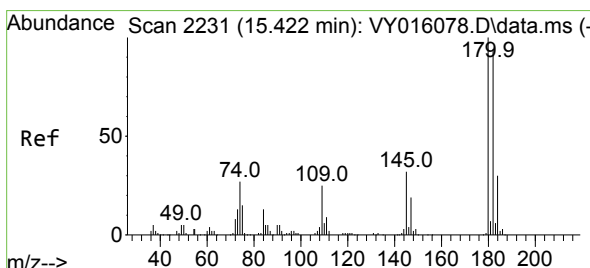
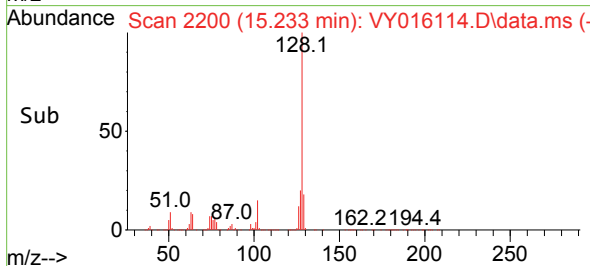
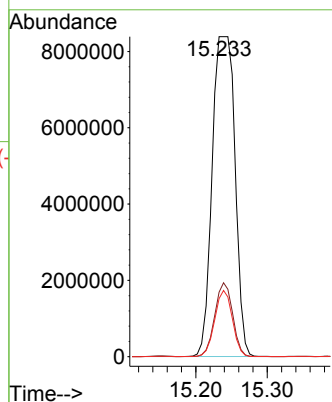
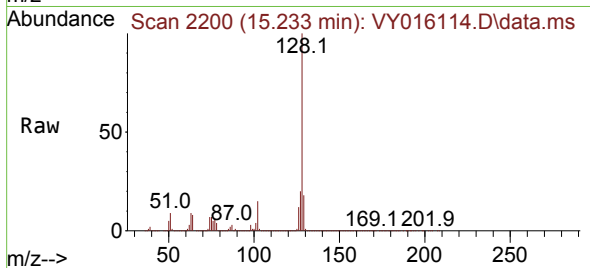
Tgt Ion:128 Resp:18567934

Ion Ratio Lower Upper

128 100

127 18.1 10.8 16.2#

129 16.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.909 ug/l

RT: 15.391 min Scan# 2226

Delta R.T. -0.031 min

Lab File: VY016114.D

Acq: 27 Oct 2023 19:17

Tgt Ion:180 Resp: 1777

Ion Ratio Lower Upper

180 100

182 220.8 47.3 141.8#

145 6196.7 15.4 46.2#

