

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080923\
 Data File : VY015009.D
 Acq On : 09 Aug 2023 16:42
 Operator : SY/MD
 Sample : 03930-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-207

Quant Time: Aug 10 01:47:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	12143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	20624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	22054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	10986	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	8855	60.166	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.340%	
35) Dibromofluoromethane	7.710	113	5745	43.560	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.120%	
50) Toluene-d8	10.173	98	25558	50.913	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.820%	
62) 4-Bromofluorobenzene	12.477	95	12050	67.729	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 135.460%	

Target Compounds						Qvalue
3) Chloromethane	2.107	50	679	7.105	ug/l #	51
4) Vinyl Chloride	2.247	62	144	1.223	ug/l #	44
5) Bromomethane	2.662	94	1175	12.378	ug/l	89
10) Methyl Iodide	4.094	142	1511	13.267	ug/l #	87
16) Acetone	3.948	43	1134	24.709	ug/l #	83
20) Methylene Chloride	4.716	84	3670	9.144	ug/l #	80
25) 2-Butanone	6.960	43	570	8.671	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	1049	4.909	ug/l #	54
29) Tetrahydrofuran	7.338	42	45	1.167	ug/l #	35
31) Cyclohexane	7.777	56	706	1.210	ug/l #	74
36) 1,1-Dichloropropene	7.783	75	1004	6.132	ug/l #	47
38) Carbon Tetrachloride	7.783	117	1379	7.492	ug/l #	12
39) Methylcyclohexane	9.173	83	1295	6.651	ug/l	95
40) Benzene	8.149	78	114008	236.459	ug/l	96
42) 1,2-Dichloroethane	8.155	62	1065	6.346	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	356	2.616	ug/l #	39
52) Toluene	10.246	92	4029	12.985	ug/l	100
56) Ethyl methacrylate	10.496	69	280	1.630	ug/l #	21
58) 2-Chloroethyl Vinyl ether	9.746	63	87	1.071	ug/l #	1
65) Chlorobenzene	11.666	112	1042	2.490	ug/l #	43
67) Ethyl Benzene	11.587	91	1136814	1547.914	ug/l	99
68) m/p-Xylenes	11.697	106	311583	1109.034	ug/l	96
69) o-Xylene	12.026	106	146544	533.058	ug/l	99
70) Styrene	12.026	104	8226	17.509	ug/l #	1
73) Isopropylbenzene	12.325	105	107176	145.127	ug/l	100
74) N-amyl acetate	12.124	43	1316	5.216	ug/l #	80
76) 1,2,3-Trichloropropane	12.605	75	347	2.636	ug/l #	100
77) Bromobenzene	12.367	156	5268	29.408	ug/l #	1
78) n-propylbenzene	12.666	91	73364	83.059	ug/l	94
79) 2-Chlorotoluene	12.733	91	108173	214.884	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.806	105	181630	298.452	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	311	5.205	ug/l #	38
82) 4-Chlorotoluene	12.806	91	18939	36.393	ug/l #	42
83) tert-Butylbenzene	13.117	119	80947	145.399	ug/l #	55
84) 1,2,4-Trimethylbenzene	13.117	105	652981	1070.935	ug/l	98
85) sec-Butylbenzene	13.117	105	652981	799.163	ug/l #	56

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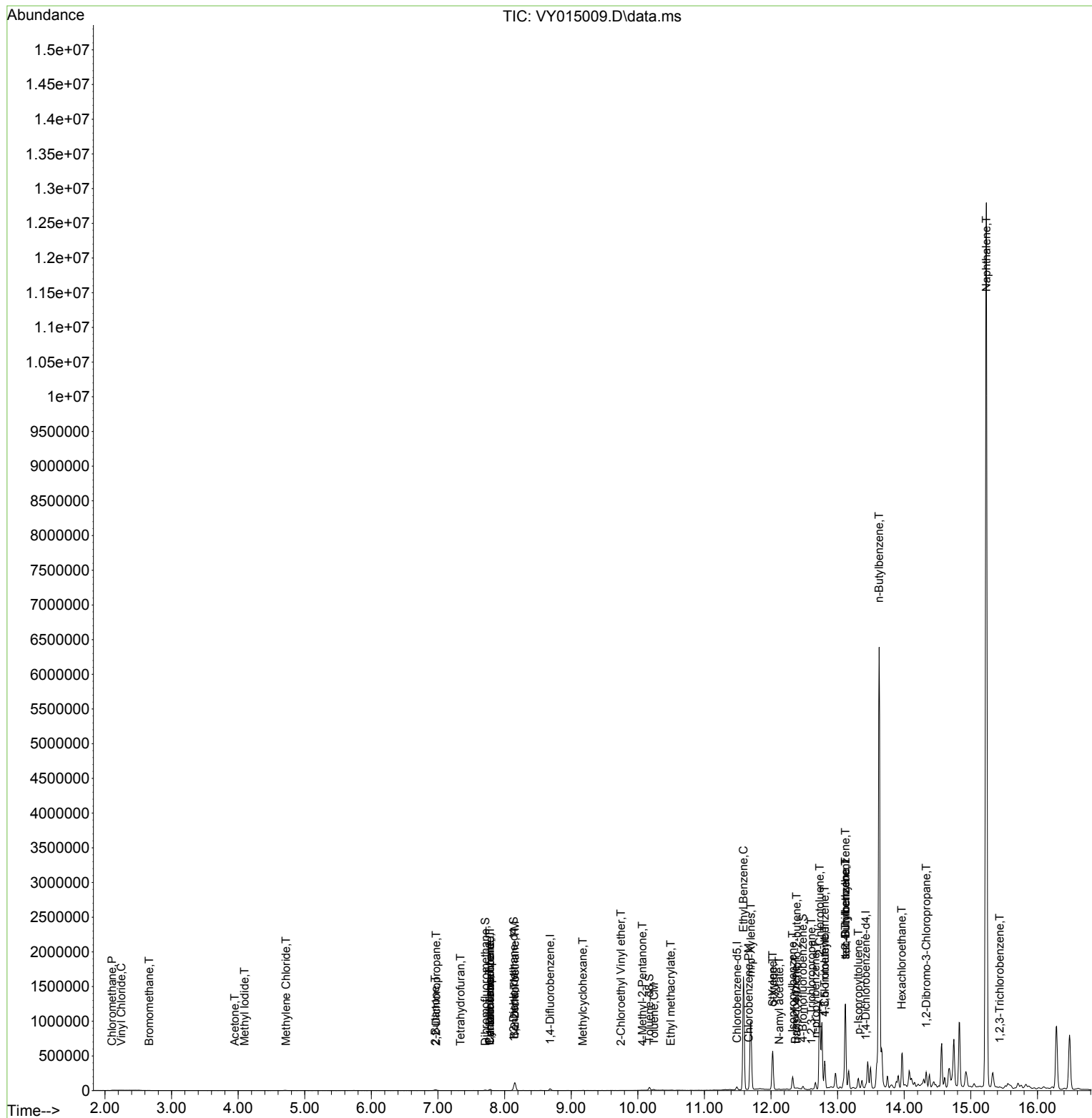
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.312	119	71962	106.398	ug/l	96
89) n-Butylbenzene	13.623	91	633665	997.151	ug/l #	43
90) Hexachloroethane	13.965	117	33643	256.149	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.330	75	831	23.583	ug/l #	4
95) Naphthalene	15.233	128	10108873	20747.438	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	444	2.369	ug/l #	1

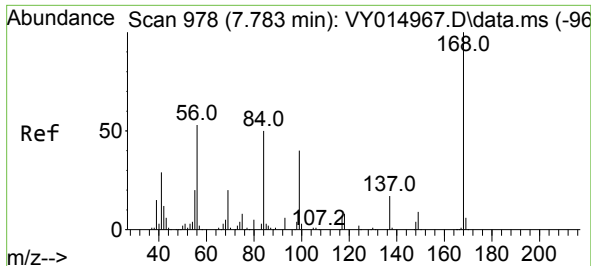
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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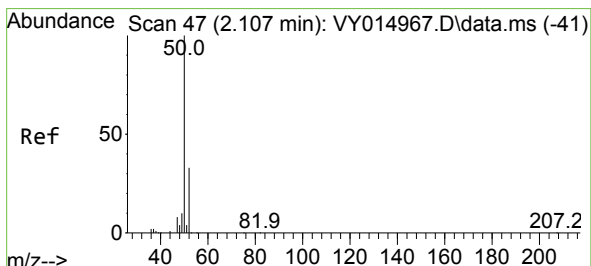
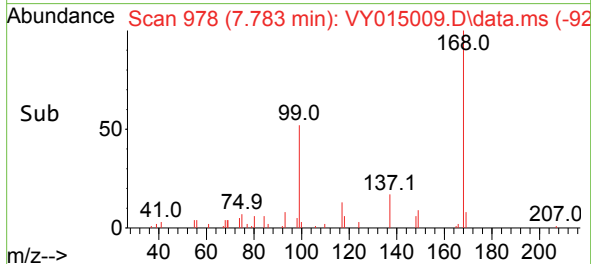
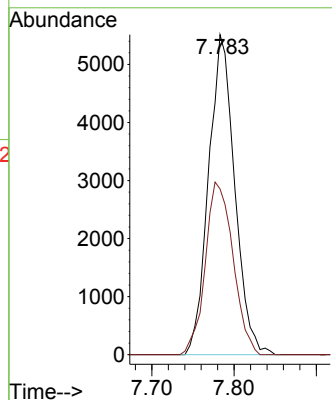
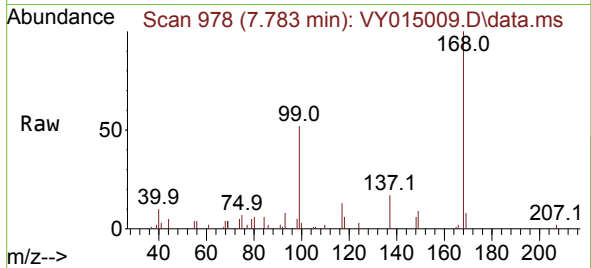




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

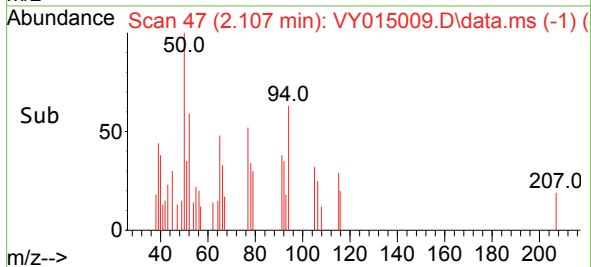
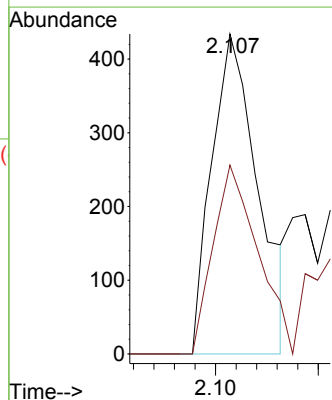
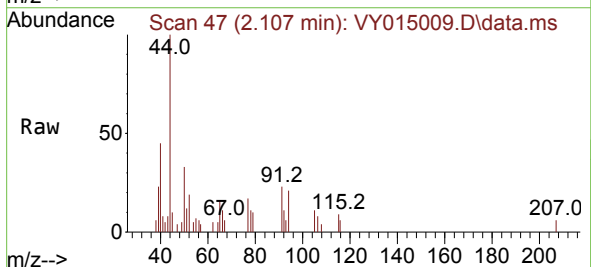
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

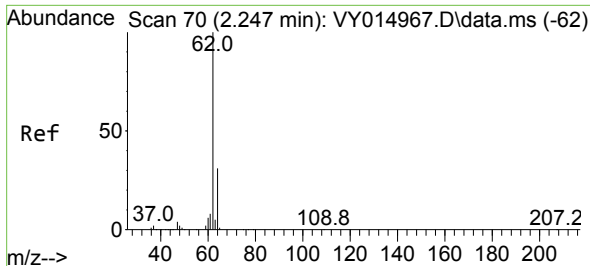
Tgt Ion:168 Resp: 12143
Ion Ratio Lower Upper
168 100
99 51.8 43.4 65.0



#3
Chloromethane
Concen: 7.105 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

Tgt Ion: 50 Resp: 679
Ion Ratio Lower Upper
50 100
52 59.0 25.4 38.2#





#4
 Vinyl Chloride
 Concen: 1.223 ug/l
 RT: 2.247 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VY015009.D
 Acq: 09 Aug 2023 16:42

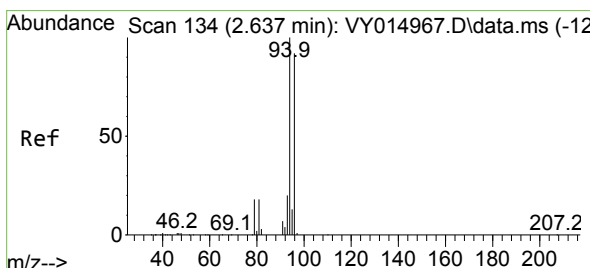
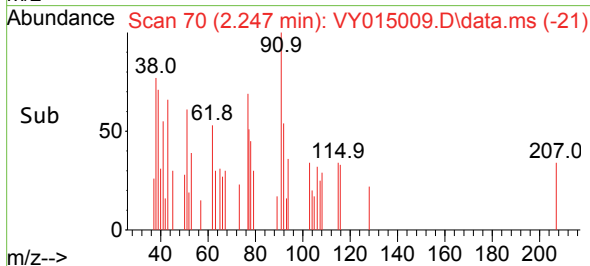
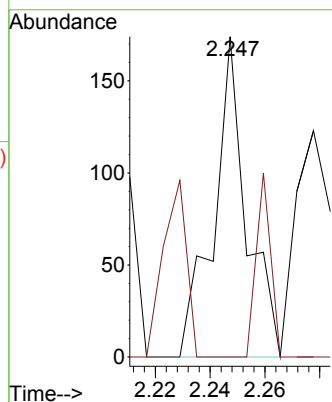
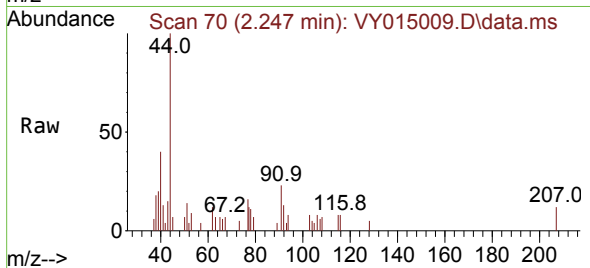
Instrument :

MSVOA_Y

ClientSampleId :

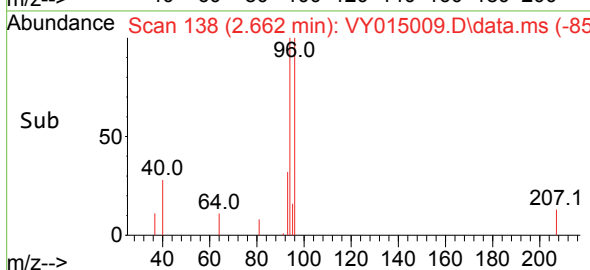
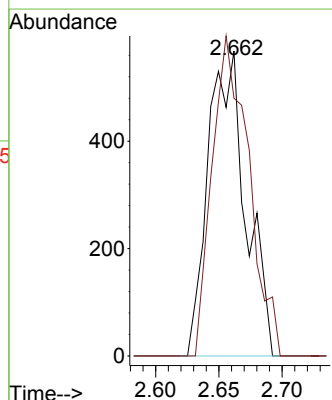
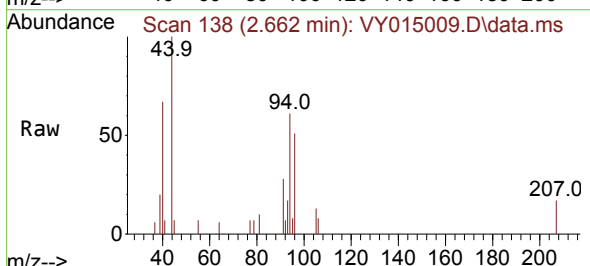
VNJ-207

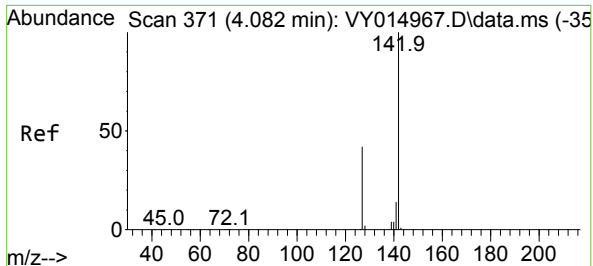
Tgt Ion: 62 Resp: 144
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.3 36.5#



#5
 Bromomethane
 Concen: 12.378 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.025 min
 Lab File: VY015009.D
 Acq: 09 Aug 2023 16:42

Tgt Ion: 94 Resp: 1175
 Ion Ratio Lower Upper
 94 100
 96 84.5 75.8 113.6





#10

Methyl Iodide

Concen: 13.267 ug/l

RT: 4.094 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207

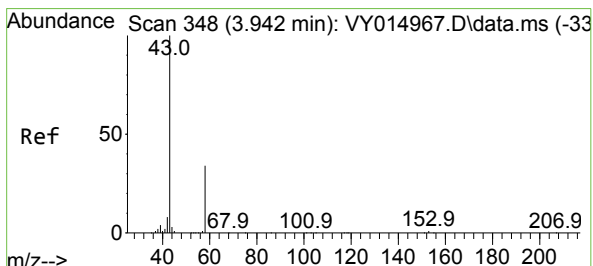
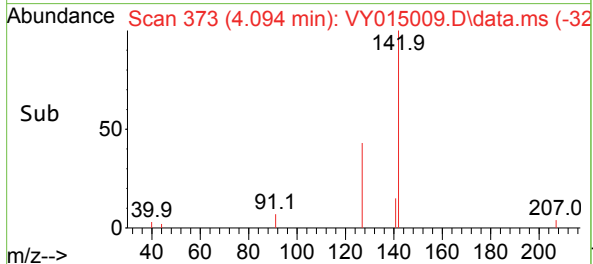
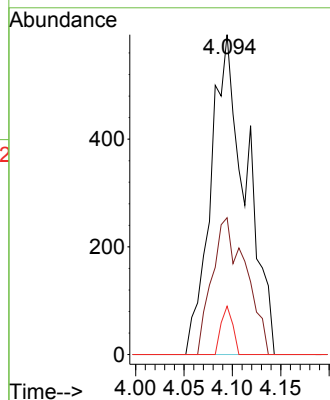
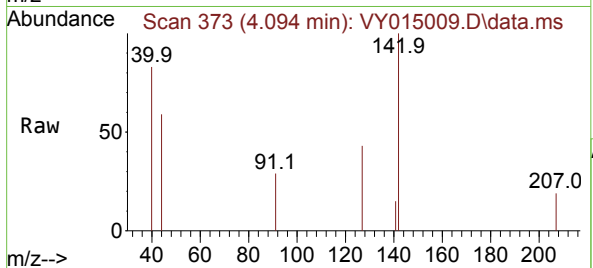
Tgt Ion:142 Resp: 1511

Ion Ratio Lower Upper

142 100

127 40.8 37.6 56.4

141 5.0 11.8 17.8#



#16

Acetone

Concen: 24.709 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY015009.D

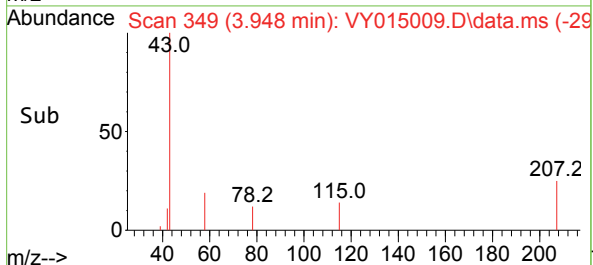
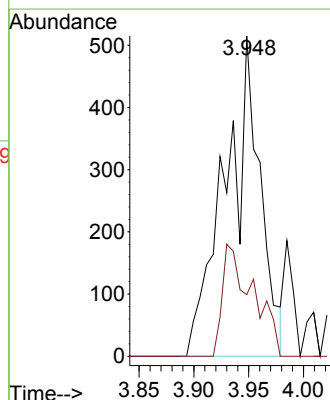
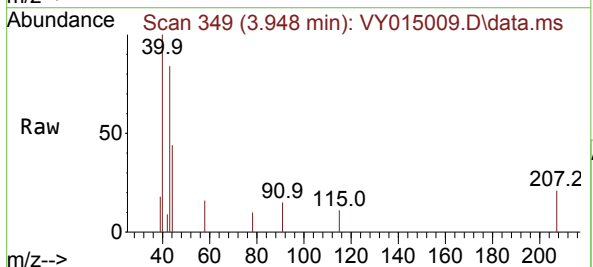
Acq: 09 Aug 2023 16:42

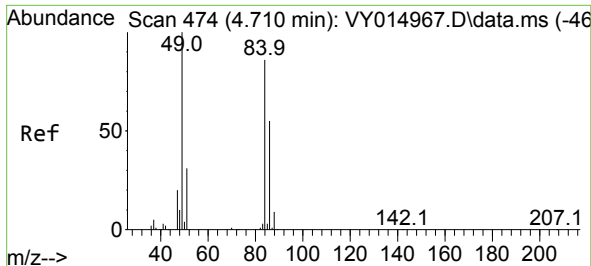
Tgt Ion: 43 Resp: 1134

Ion Ratio Lower Upper

43 100

58 19.2 22.7 34.1#





#20

Methylene Chloride

Concen: 9.144 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207

Tgt Ion: 84 Resp: 3670

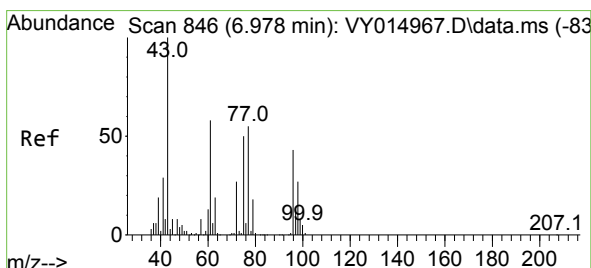
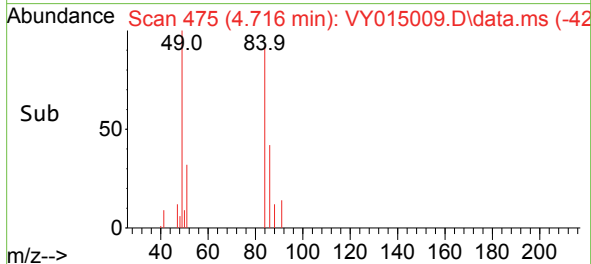
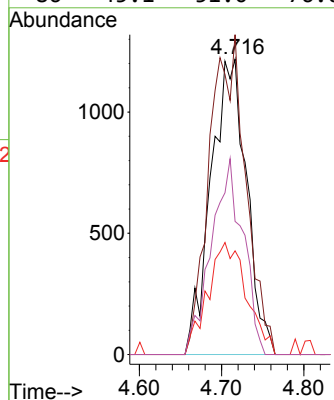
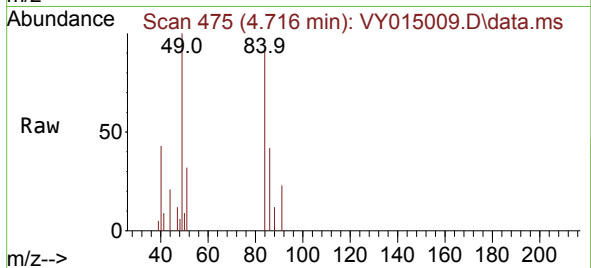
Ion Ratio Lower Upper

84 100

49 108.3 106.9 160.3

51 35.1 33.2 49.8

86 45.1 51.0 76.6#



#25

2-Butanone

Concen: 8.671 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.018 min

Lab File: VY015009.D

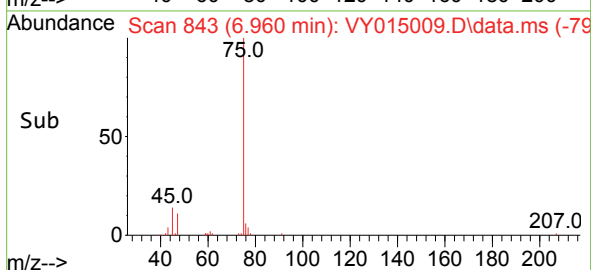
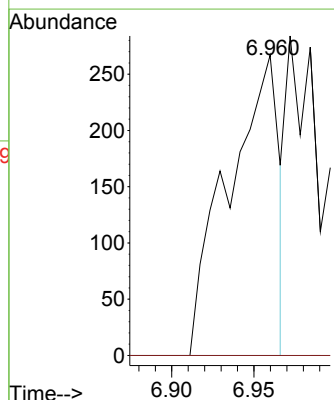
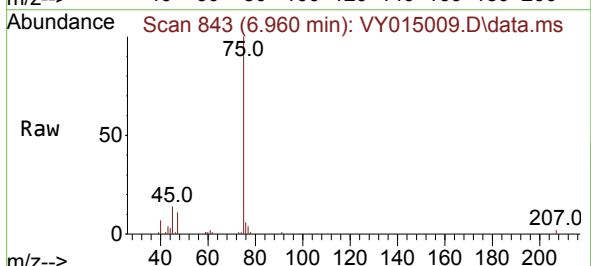
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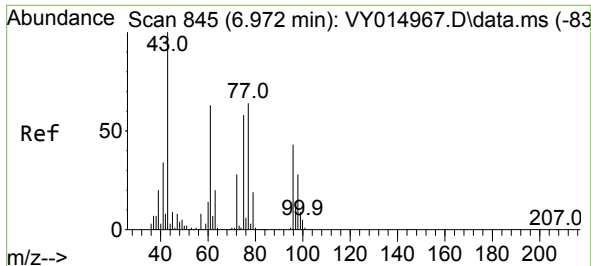
Tgt Ion: 43 Resp: 570

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#

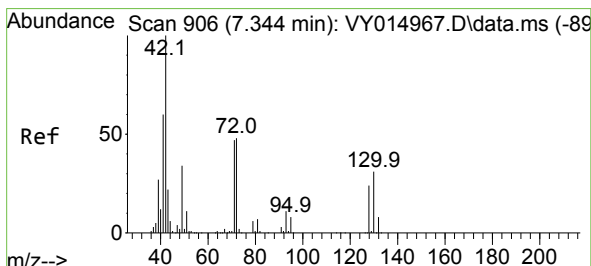
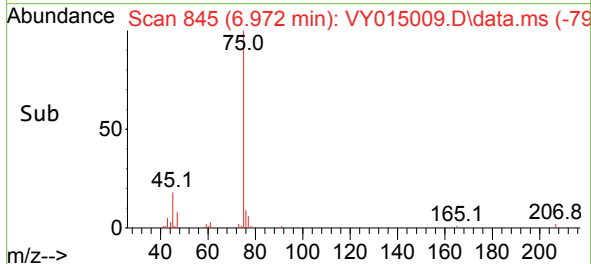
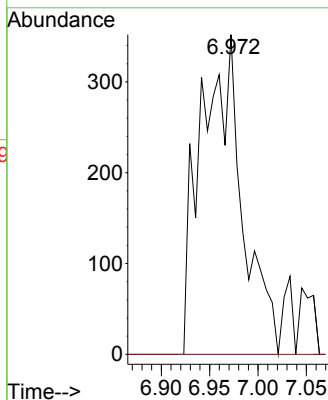
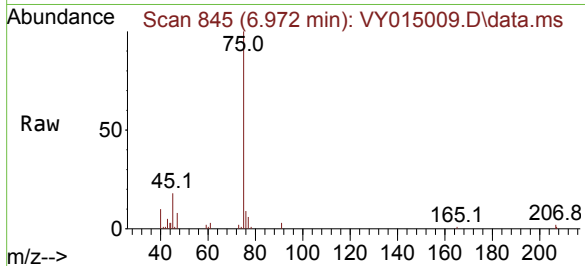




#26
2,2-Dichloropropane
Concen: 4.909 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

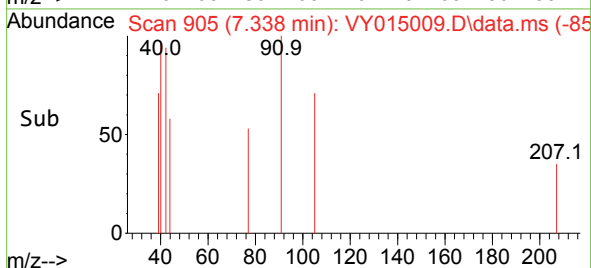
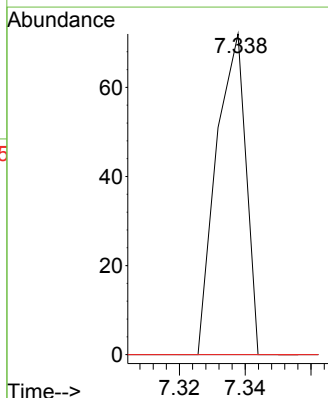
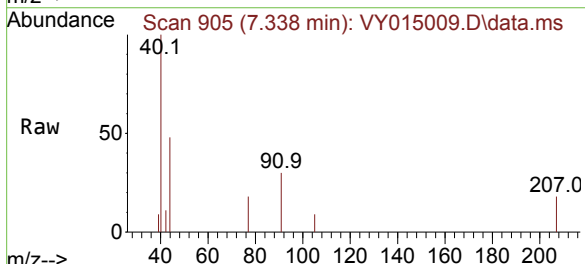
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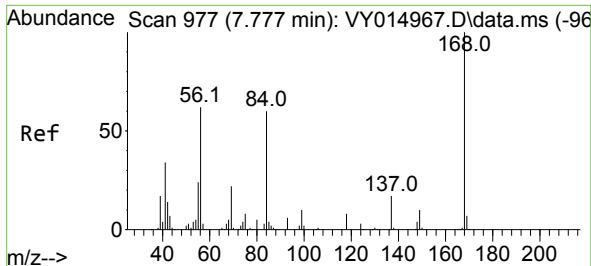
Tgt Ion: 77 Resp: 1049
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 1.167 ug/l
RT: 7.338 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

Tgt Ion: 42 Resp: 45
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 31.0 46.4#

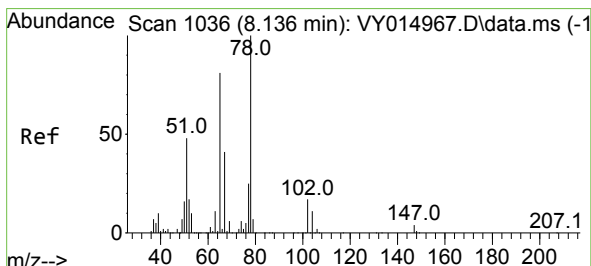
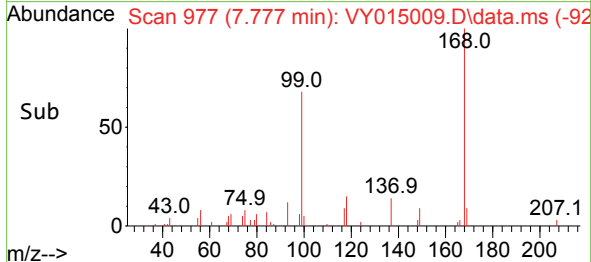
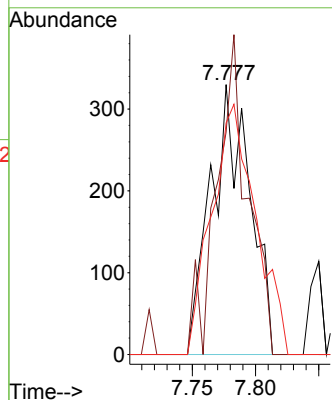
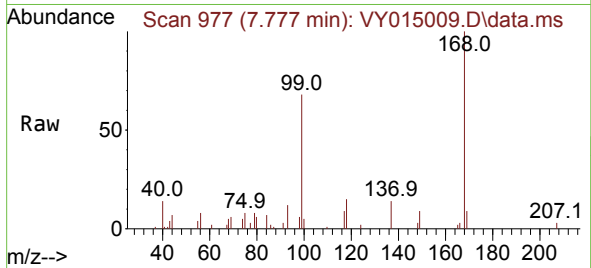




#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

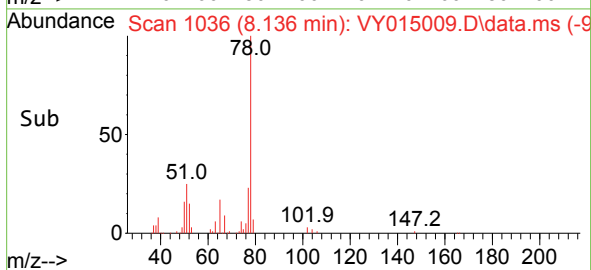
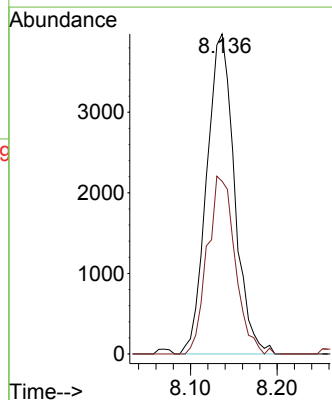
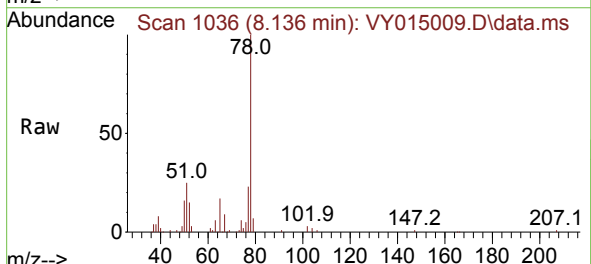
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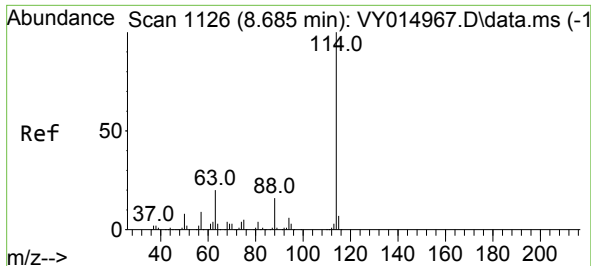
Tgt Ion: 56 Resp: 706
Ion Ratio Lower Upper
56 100
69 82.4 27.8 41.6#
84 85.8 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 60.166 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

Tgt Ion: 65 Resp: 8855
Ion Ratio Lower Upper
65 100
67 55.6 0.0 101.8

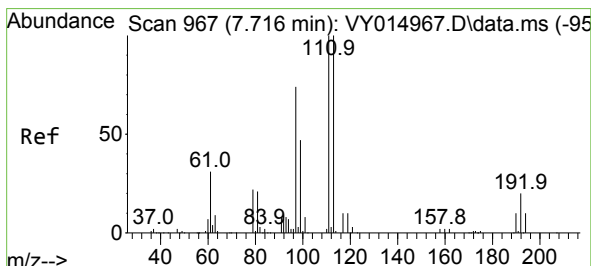
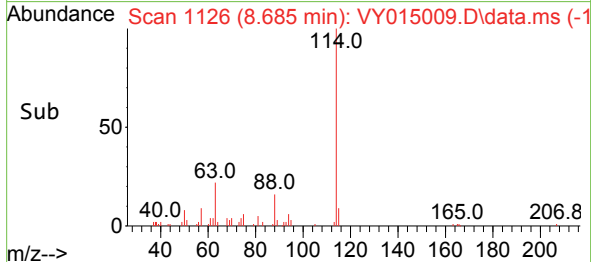
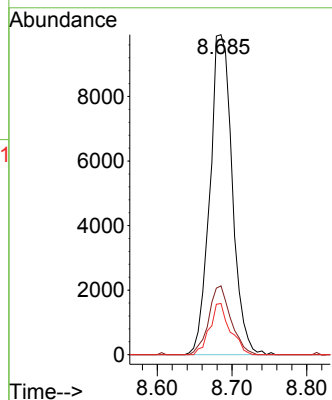
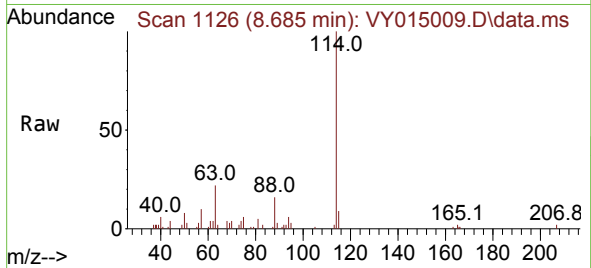




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

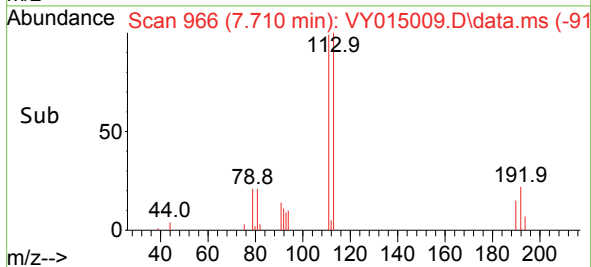
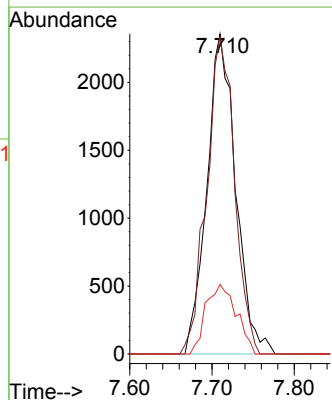
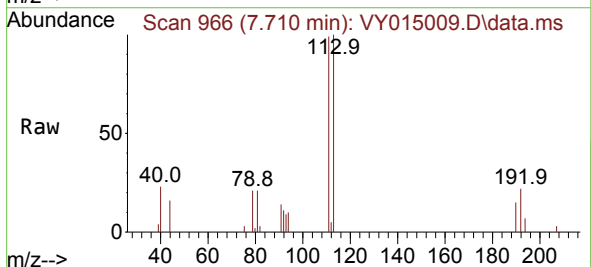
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

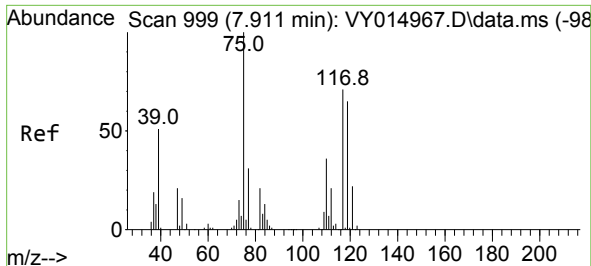
Tgt Ion:	114	Resp:	20624
Ion Ratio	Lower	Upper	
114	100		
63	21.5	0.0	42.4
88	16.0	0.0	30.6



#35
Dibromofluoromethane
Concen: 43.560 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

Tgt Ion:	113	Resp:	5745
Ion Ratio	Lower	Upper	
113	100		
111	95.6	81.3	121.9
192	23.0	16.9	25.3

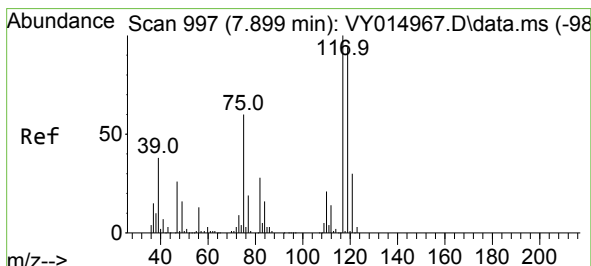
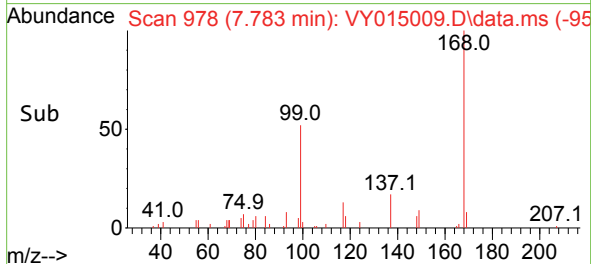
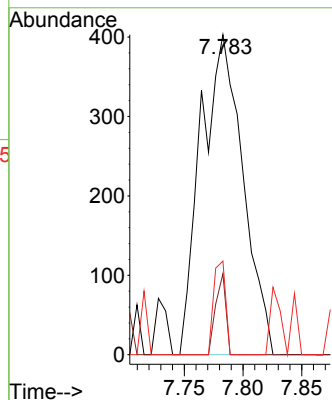
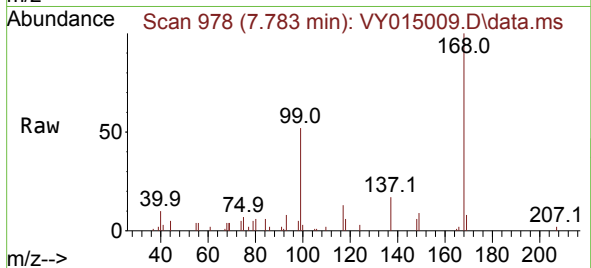




#36
1,1-Dichloropropene
Concen: 6.132 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

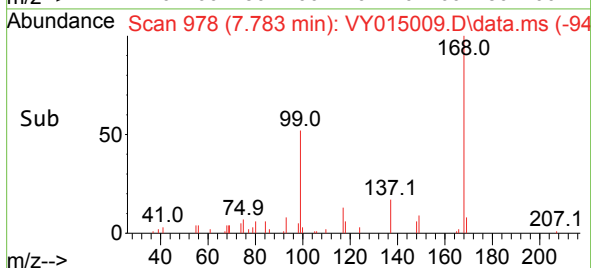
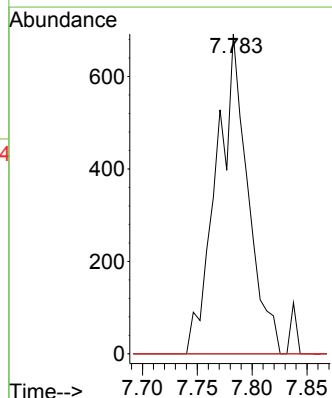
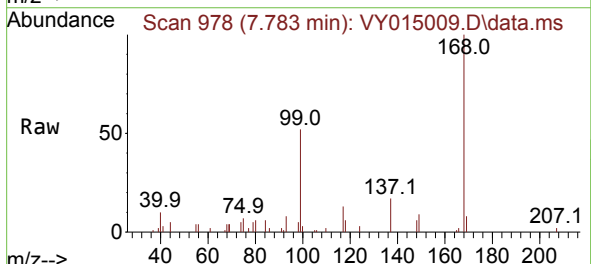
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

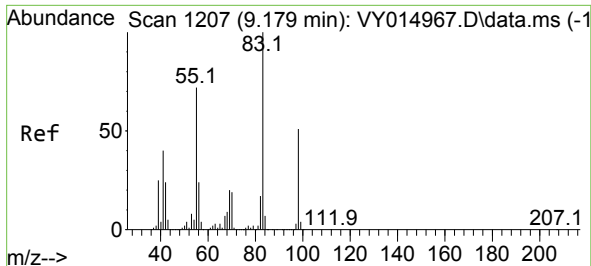
Tgt Ion: 75 Resp: 1004
Ion Ratio Lower Upper
75 100
110 6.1 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.492 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

Tgt Ion: 117 Resp: 1379
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 6.651 ug/l

RT: 9.173 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207

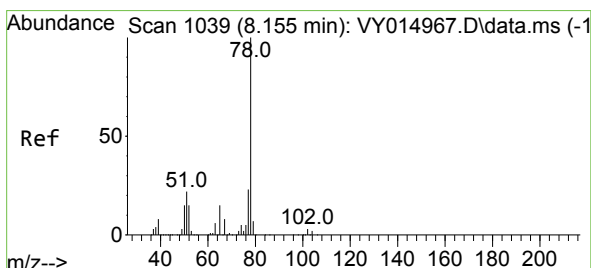
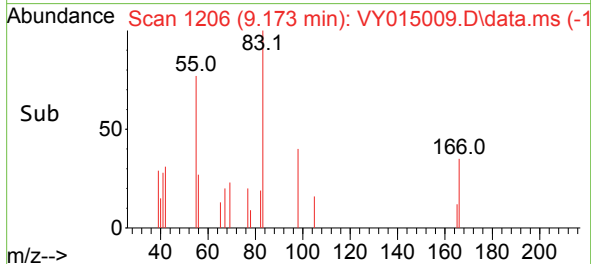
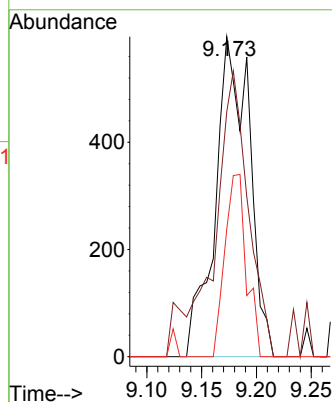
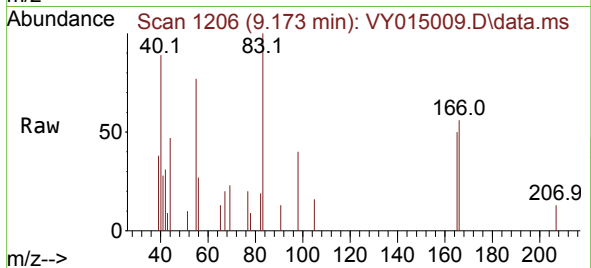
Tgt Ion: 83 Resp: 1295

Ion Ratio Lower Upper

83 100

55 76.5 63.0 94.4

98 39.9 37.4 56.2



#40

Benzene

Concen: 236.459 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VY015009.D

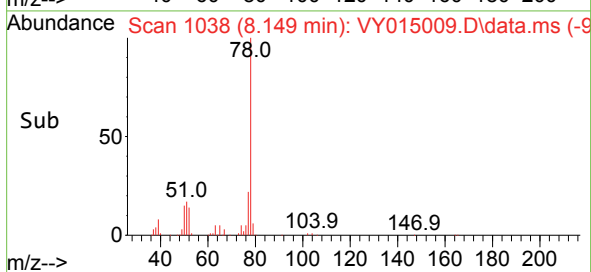
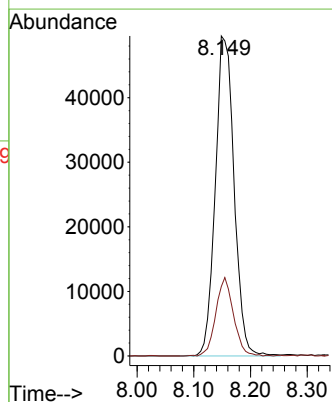
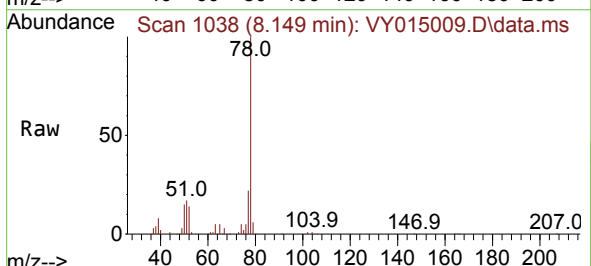
Acq: 09 Aug 2023 16:42

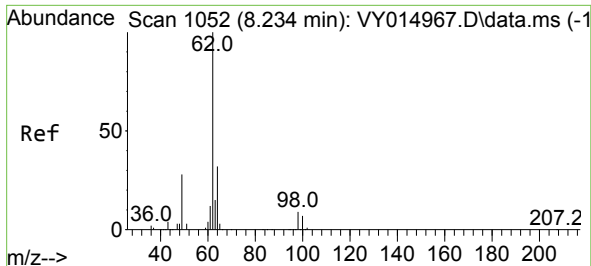
Tgt Ion: 78 Resp: 114008

Ion Ratio Lower Upper

78 100

77 21.7 19.0 28.6





#42

1,2-Dichloroethane

Concen: 6.346 ug/l

RT: 8.155 min Scan# 1065

Delta R.T. -0.079 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

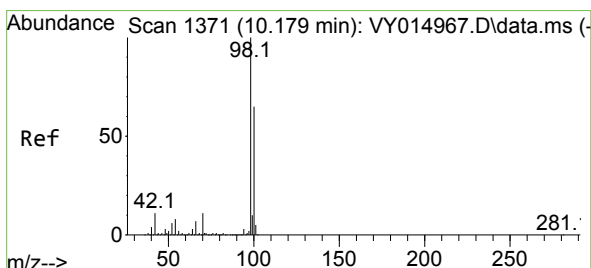
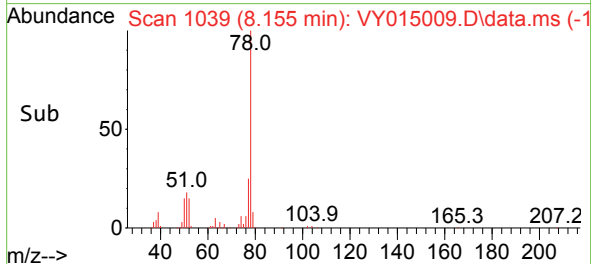
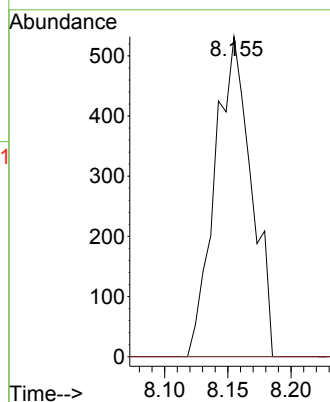
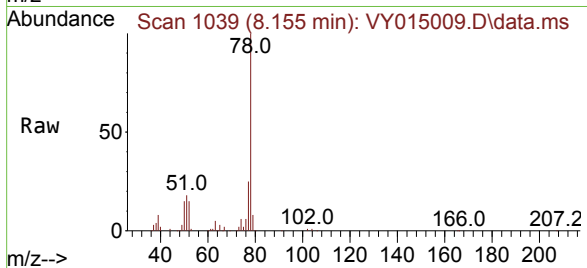
VNJ-207

Tgt Ion: 62 Resp: 1065

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#50

Toluene-d8

Concen: 50.913 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY015009.D

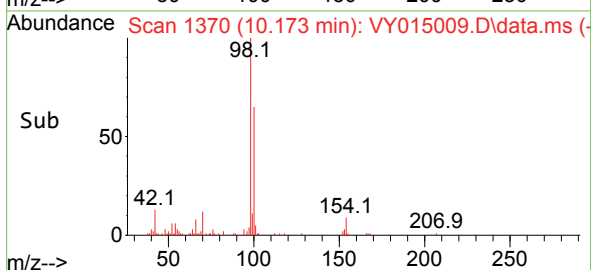
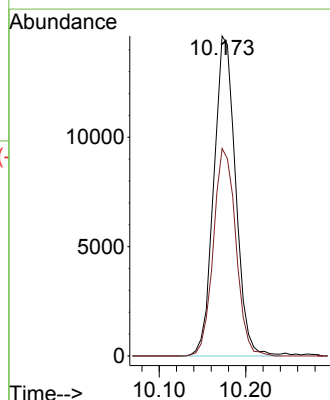
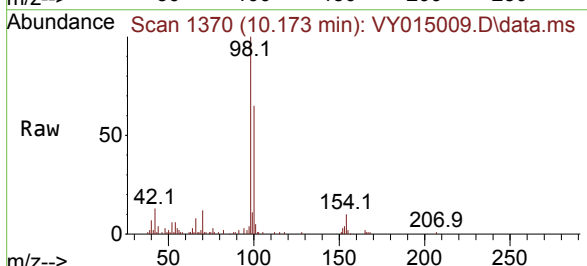
Acq: 09 Aug 2023 16:42

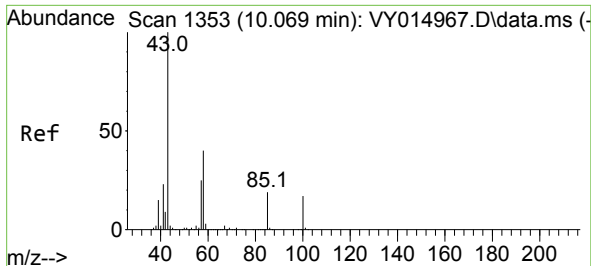
Tgt Ion: 98 Resp: 25558

Ion Ratio Lower Upper

98 100

100 66.8 50.1 75.1

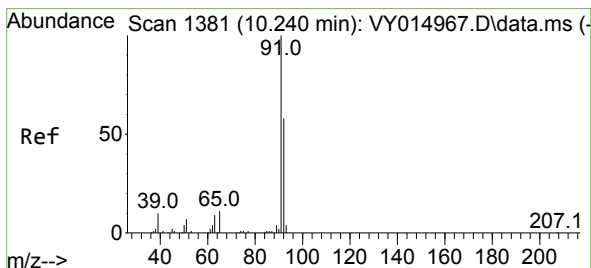
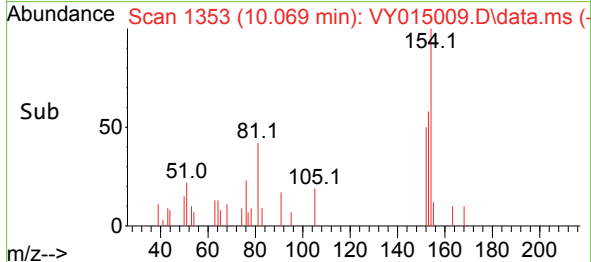
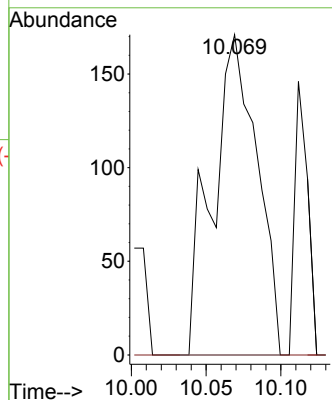
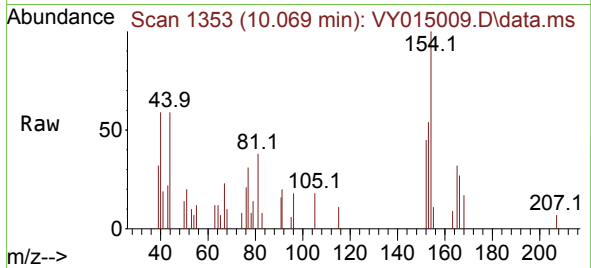




#51
4-Methyl-2-Pentanone
Concen: 2.616 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

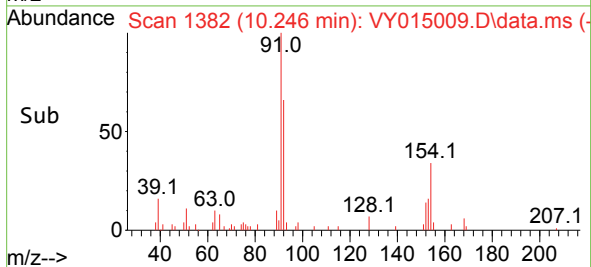
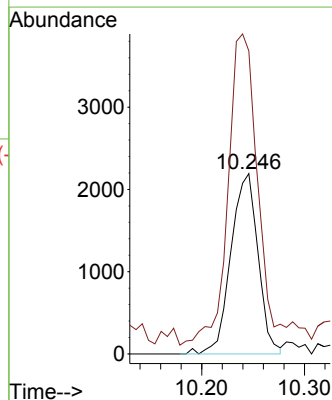
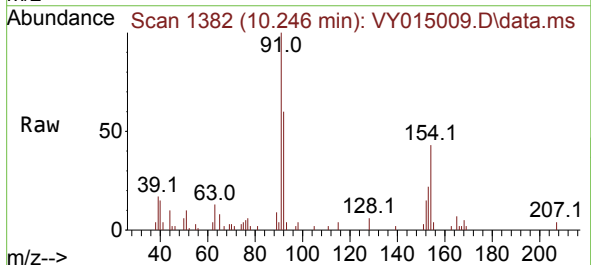
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

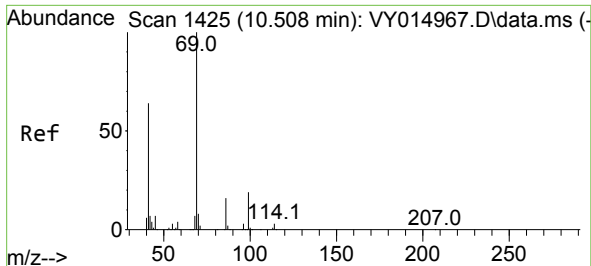
Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



#52
Toluene
Concen: 12.985 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

Tgt Ion: 92 Resp: 4029
Ion Ratio Lower Upper
92 100
91 179.4 143.8 215.6

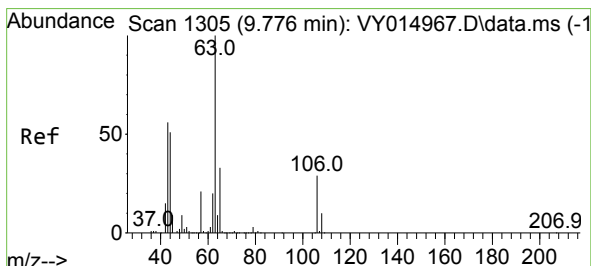
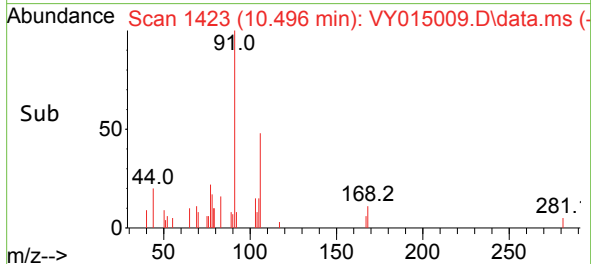
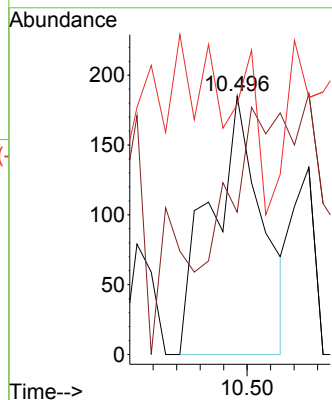
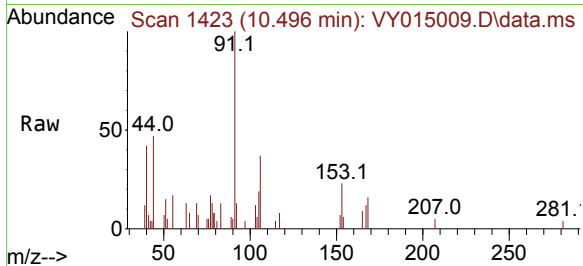




#56
Ethyl methacrylate
Concen: 1.630 ug/l
RT: 10.496 min Scan# 1425
Delta R.T. -0.012 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

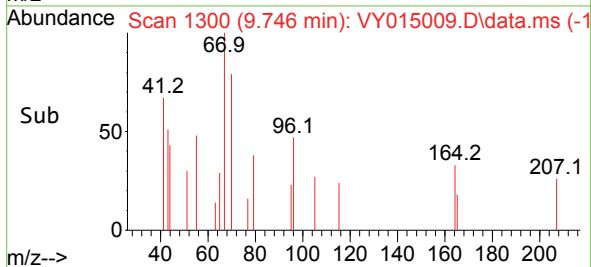
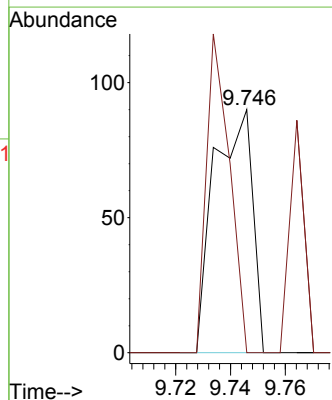
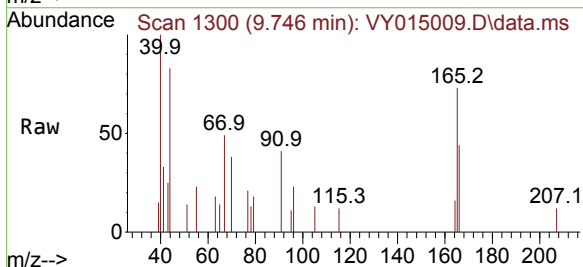
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

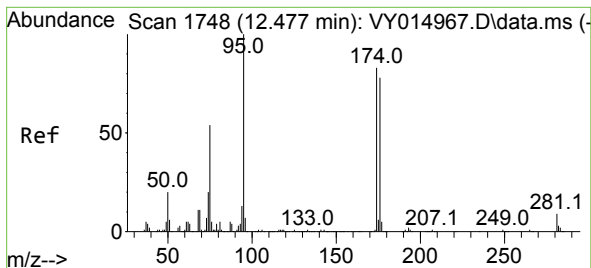
Tgt Ion: 69 Resp: 280
Ion Ratio Lower Upper
69 100
41 0.0 57.6 86.4#
39 0.0 34.1 51.1#



#58
2-Chloroethyl Vinyl ether
Concen: 1.071 ug/l
RT: 9.746 min Scan# 1300
Delta R.T. -0.030 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

Tgt Ion: 63 Resp: 87
Ion Ratio Lower Upper
63 100
106 79.3 21.2 31.8#

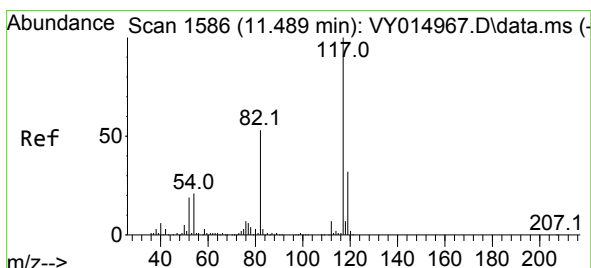
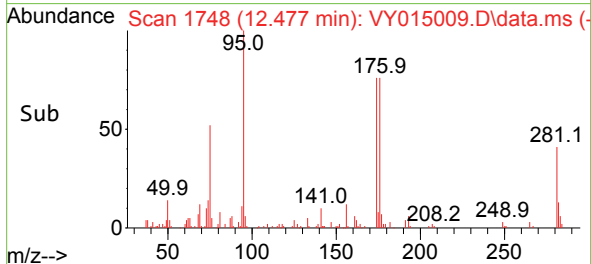
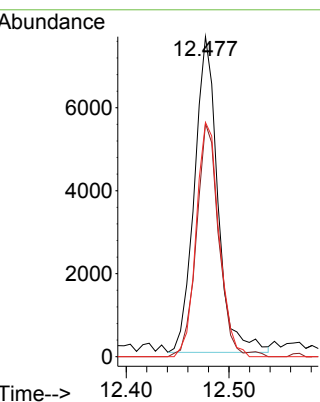
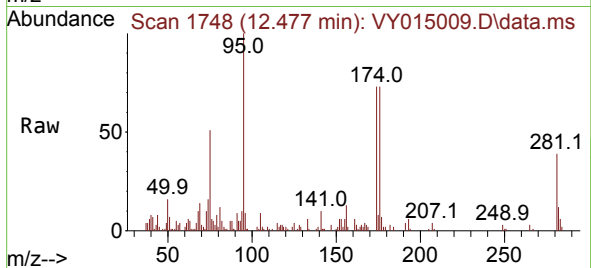




#62
4-Bromofluorobenzene
Concen: 67.729 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

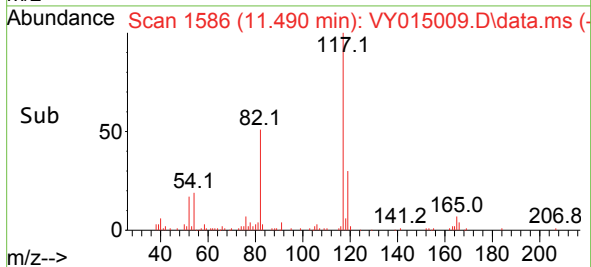
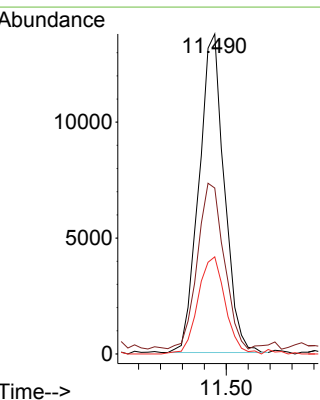
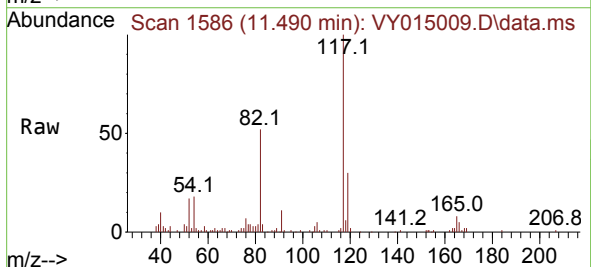
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

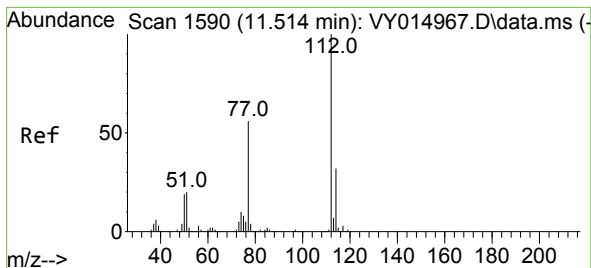
Tgt Ion:	95	Resp:	12050
Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	178.2
176	72.5	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

Tgt Ion:	117	Resp:	22054
Ion	Ratio	Lower	Upper
117	100		
82	50.5	43.4	65.0
119	30.1	26.3	39.5





#65

Chlorobenzene

Concen: 2.490 ug/l

RT: 11.666 min Scan# 1

Delta R.T. 0.153 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

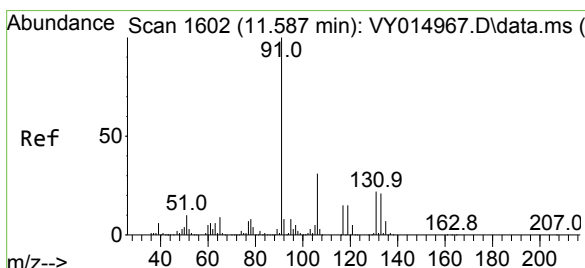
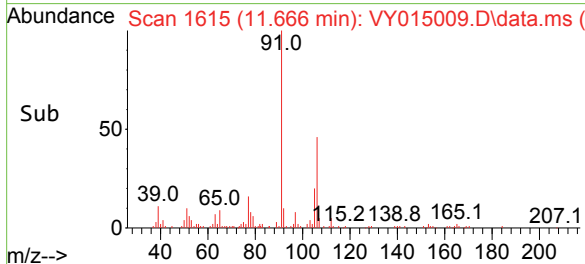
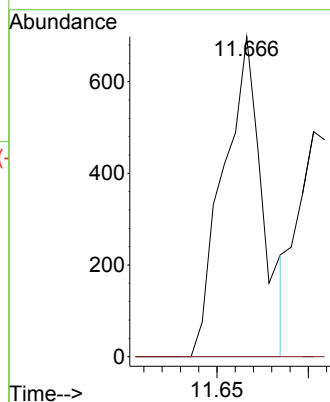
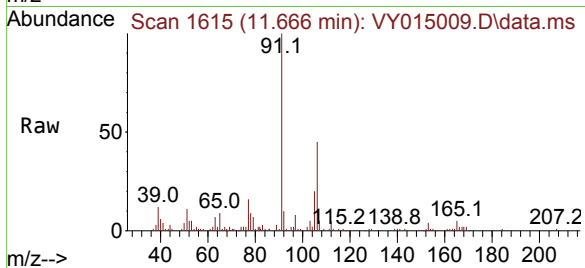
VNJ-207

Tgt Ion:112 Resp: 1042

Ion Ratio Lower Upper

112 100

114 0.0 25.5 38.3#



#67

Ethyl Benzene

Concen: 1547.914 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VY015009.D

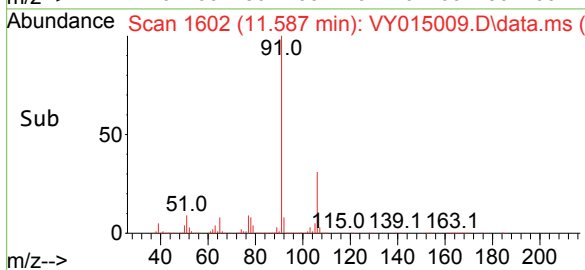
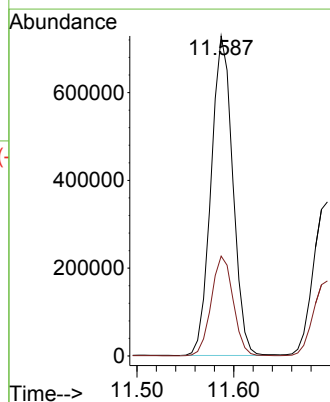
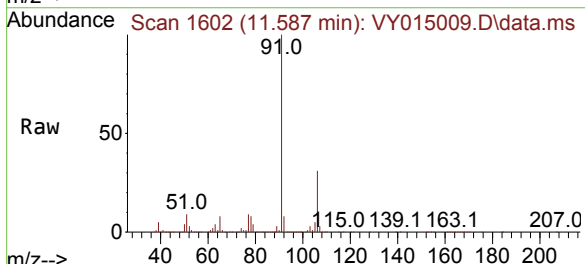
Acq: 09 Aug 2023 16:42

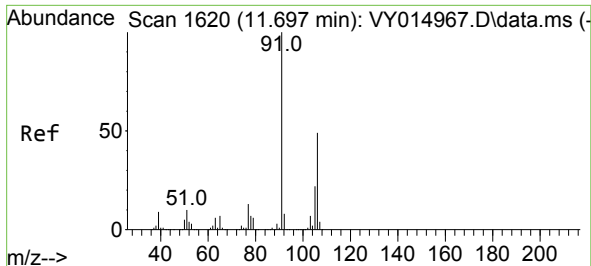
Tgt Ion: 91 Resp: 1136814

Ion Ratio Lower Upper

91 100

106 31.2 24.6 36.8

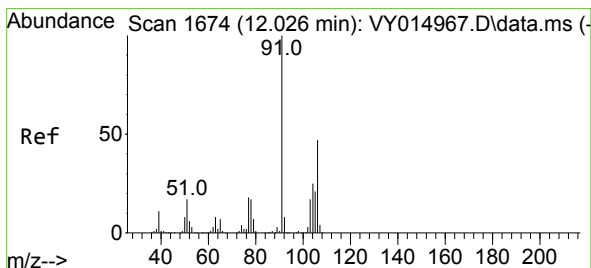
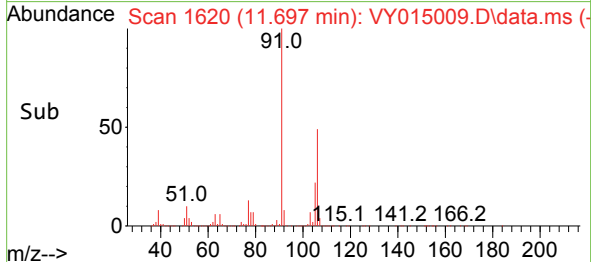
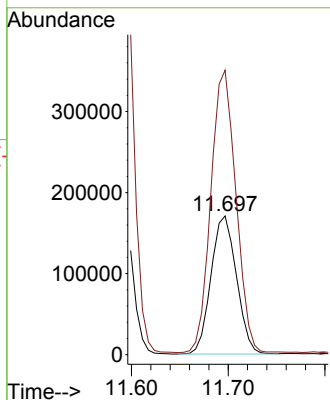
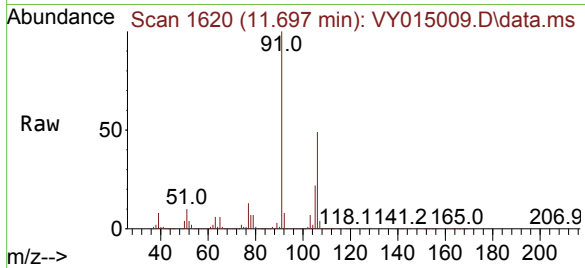




#68
m/p-Xylenes
Concen: 1109.034 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

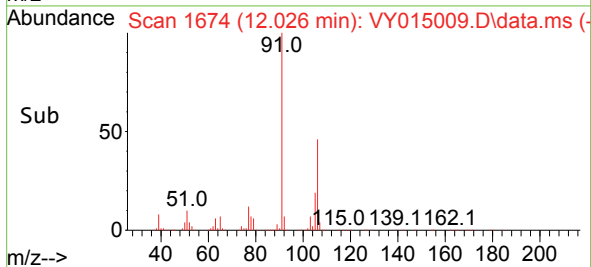
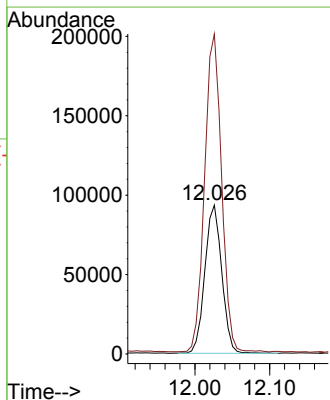
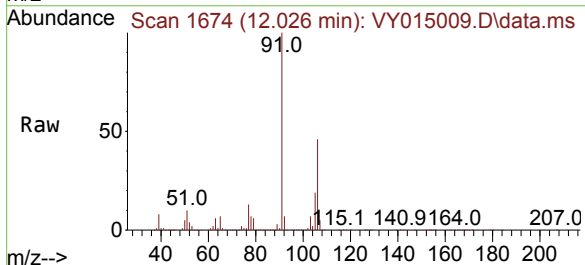
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

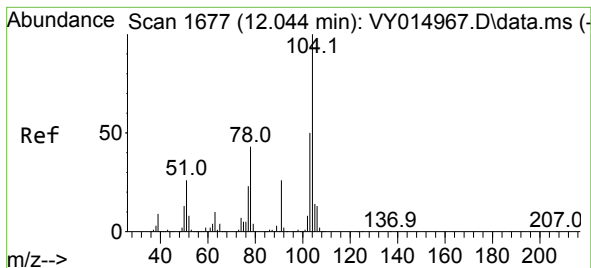
Tgt Ion:106 Resp: 311583
Ion Ratio Lower Upper
106 100
91 201.9 166.1 249.1



#69
o-Xylene
Concen: 533.058 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

Tgt Ion:106 Resp: 146544
Ion Ratio Lower Upper
106 100
91 214.9 108.1 324.3





#70

Styrene

Concen: 17.509 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.018 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207

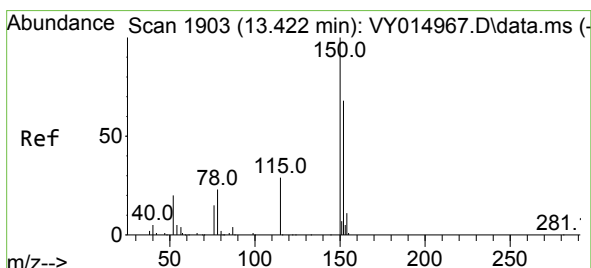
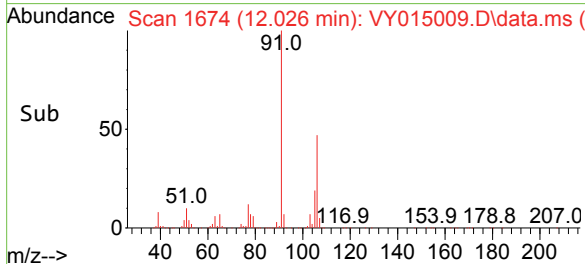
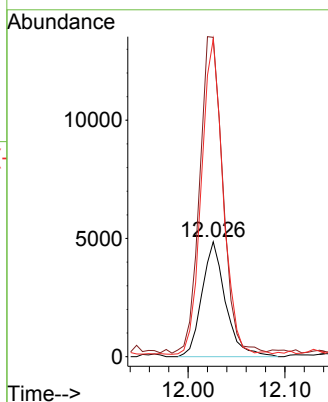
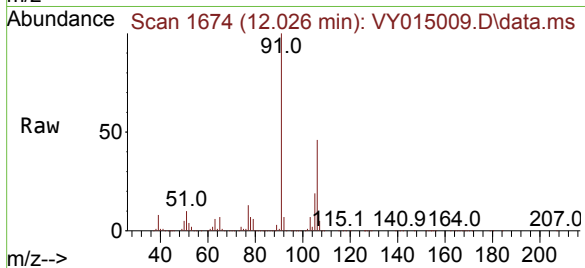
Tgt Ion:104 Resp: 8226

Ion Ratio Lower Upper

104 100

78 270.4 41.5 62.3#

103 252.7 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: VY015009.D

Acq: 09 Aug 2023 16:42

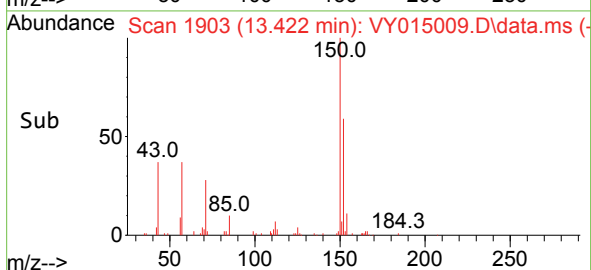
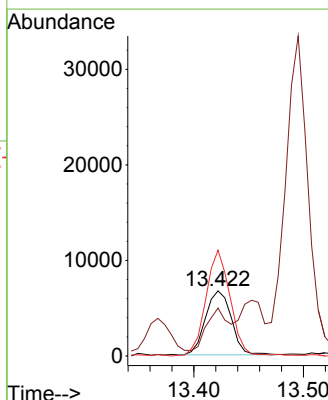
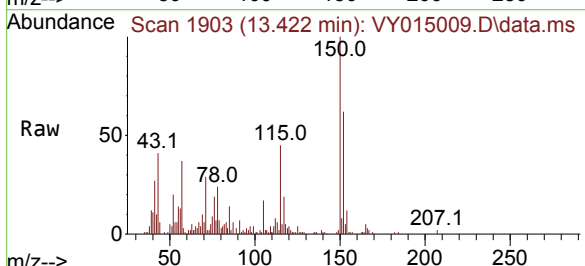
Tgt Ion:152 Resp: 10986

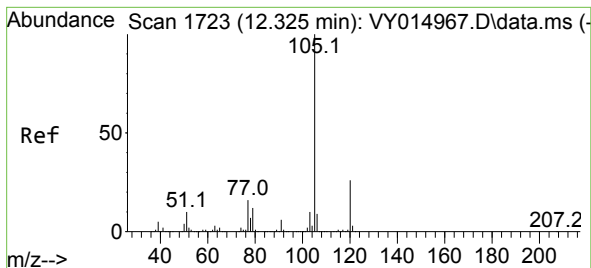
Ion Ratio Lower Upper

152 100

115 0.0 28.8 86.5#

150 154.9 0.0 348.8





#73

Isopropylbenzene

Concen: 145.127 ug/l

RT: 12.325 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

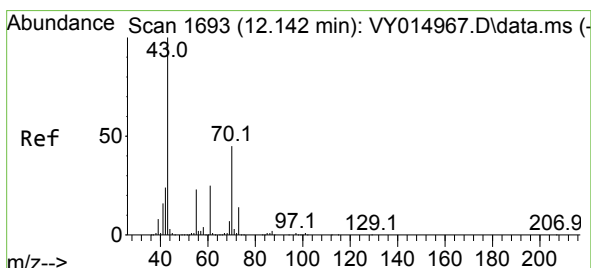
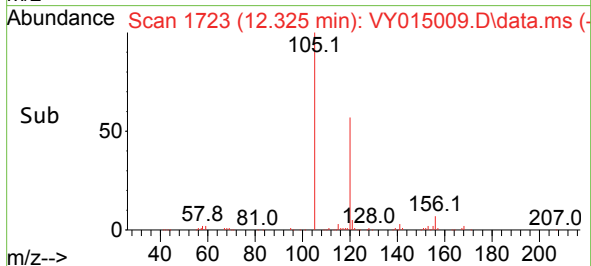
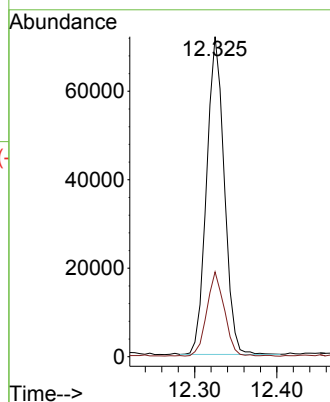
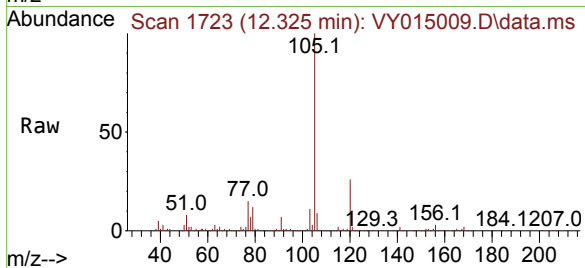
VNJ-207

Tgt Ion:105 Resp: 107176

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



#74

N-ethyl acetate

Concen: 5.216 ug/l

RT: 12.124 min Scan# 1690

Delta R.T. -0.018 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Tgt Ion: 43 Resp: 1316

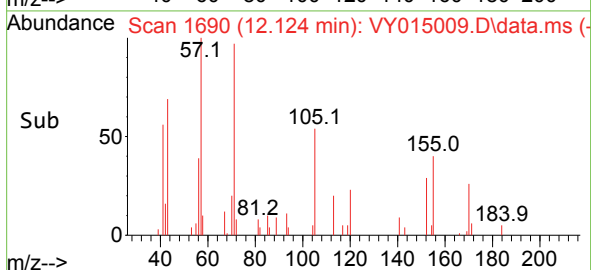
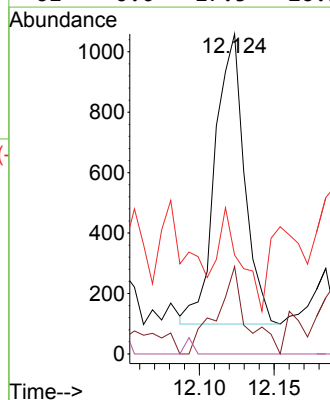
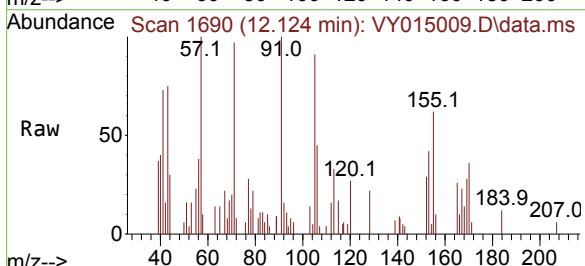
Ion Ratio Lower Upper

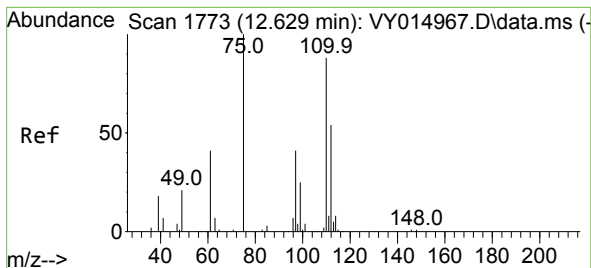
43 100

70 30.7 29.7 44.5

55 27.1 18.3 27.5

61 0.0 17.5 26.3#

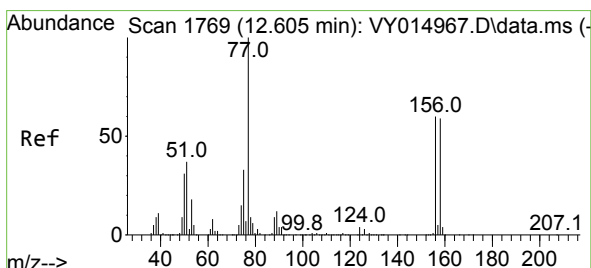
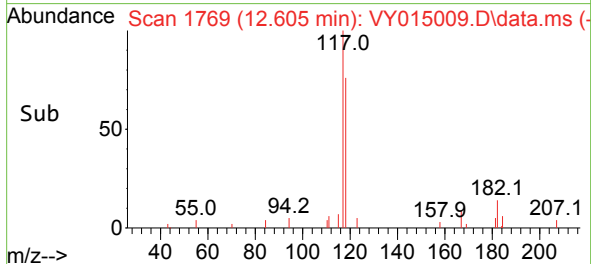
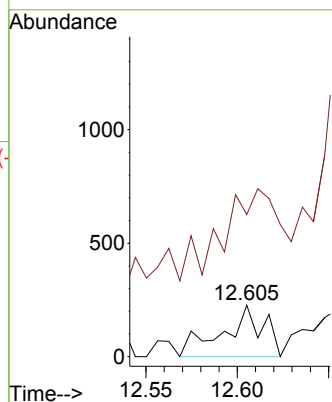
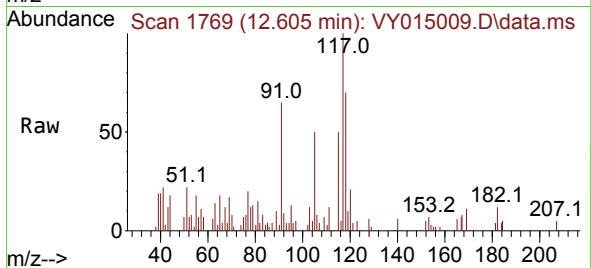




#76
1,2,3-Trichloropropane
Concen: 2.636 ug/l
RT: 12.605 min Scan# 1730
Delta R.T. -0.024 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

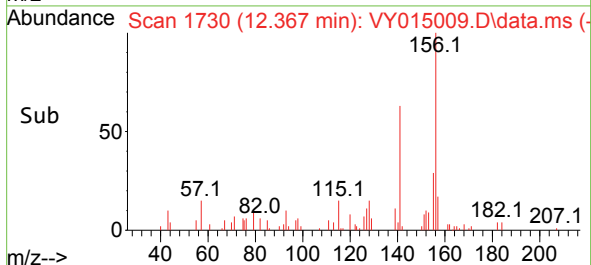
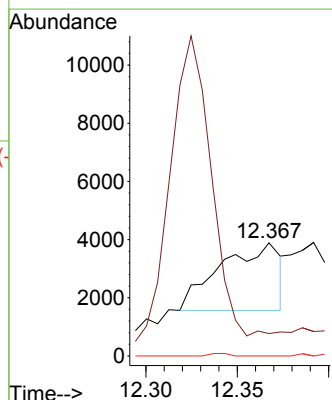
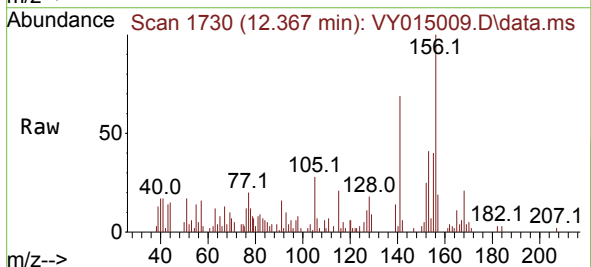
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

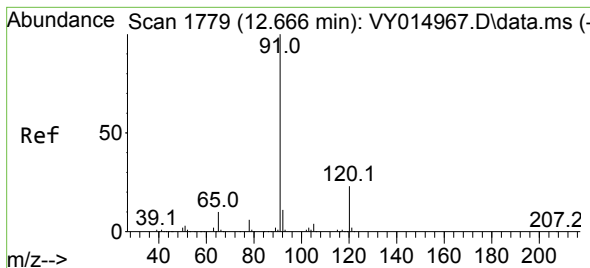
Tgt Ion: 75 Resp: 347
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 29.408 ug/l
RT: 12.367 min Scan# 1730
Delta R.T. -0.238 min
Lab File: VY015009.D
Acq: 09 Aug 2023 16:42

Tgt Ion: 156 Resp: 5268
Ion Ratio Lower Upper
156 100
77 0.0 92.8 278.6#
158 1.0 48.4 145.3#





#78

n-propylbenzene

Concen: 83.059 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

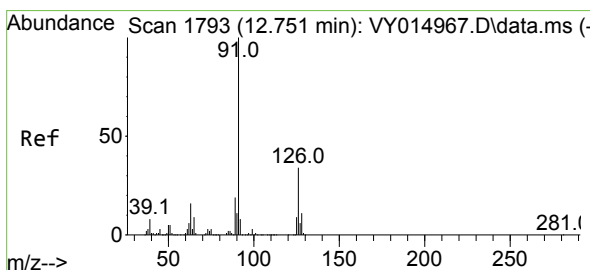
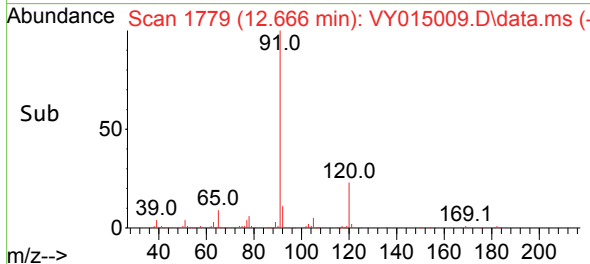
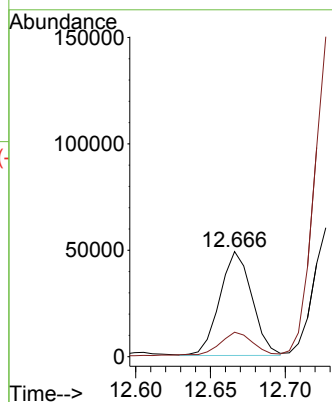
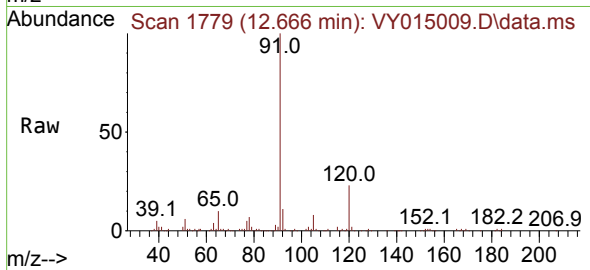
VNJ-207

Tgt Ion: 91 Resp: 73364

Ion Ratio Lower Upper

91 100

120 25.6 11.5 34.4



#79

2-Chlorotoluene

Concen: 214.884 ug/l

RT: 12.733 min Scan# 1790

Delta R.T. -0.018 min

Lab File: VY015009.D

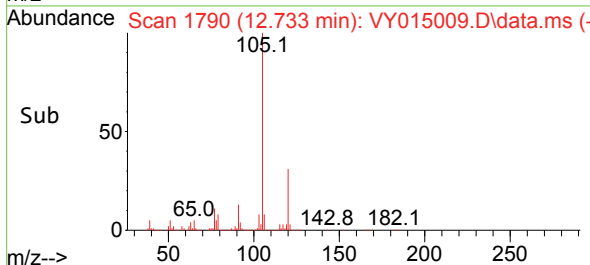
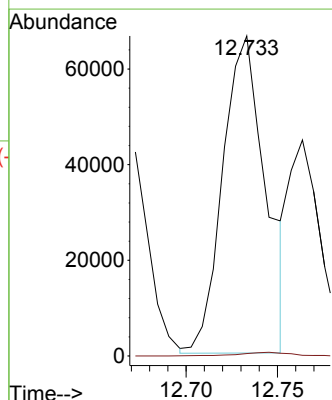
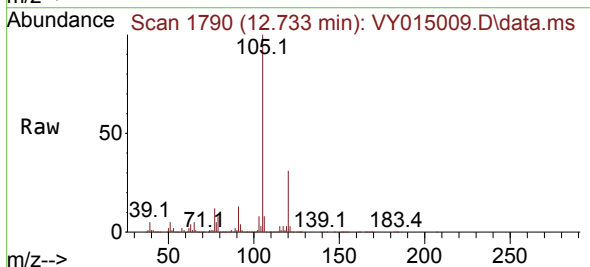
Acq: 09 Aug 2023 16:42

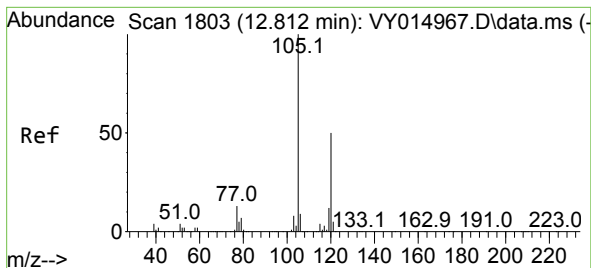
Tgt Ion: 91 Resp: 108173

Ion Ratio Lower Upper

91 100

126 1.4 17.3 51.7#





#80

1,3,5-Trimethylbenzene

Concen: 298.452 ug/l

RT: 12.806 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

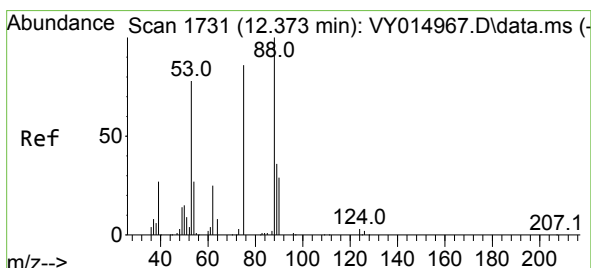
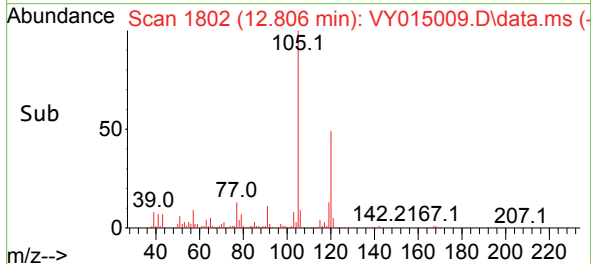
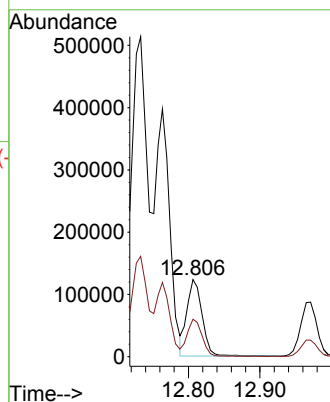
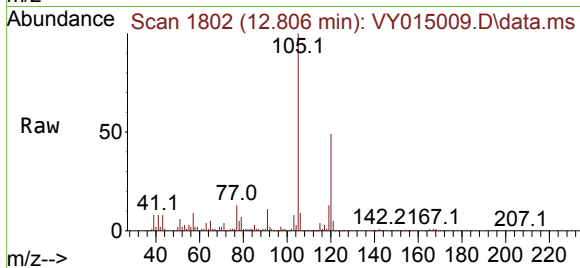
VNJ-207

Tgt Ion:105 Resp: 181630

Ion Ratio Lower Upper

105 100

120 47.3 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 5.205 ug/l

RT: 12.386 min Scan# 1733

Delta R.T. 0.012 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

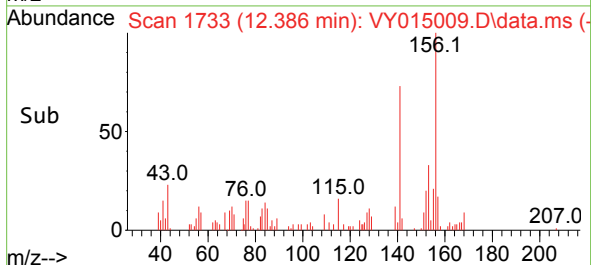
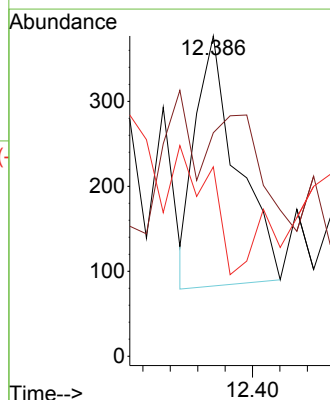
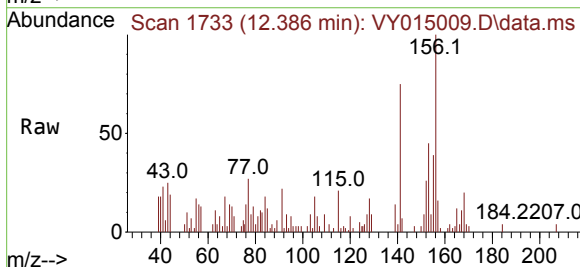
Tgt Ion: 75 Resp: 311

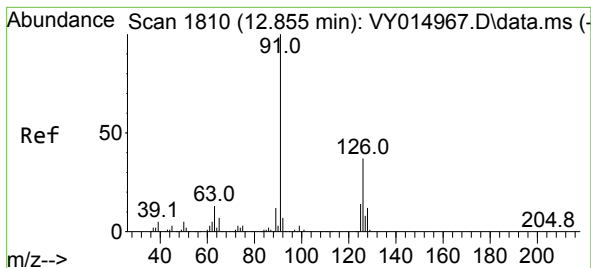
Ion Ratio Lower Upper

75 100

53 39.9 77.8 116.8#

89 0.0 37.4 56.0#





#82

4-Chlorotoluene

Concen: 36.393 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.049 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

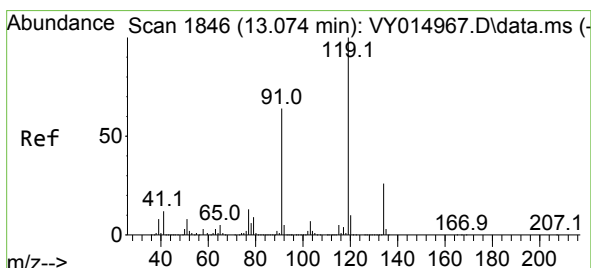
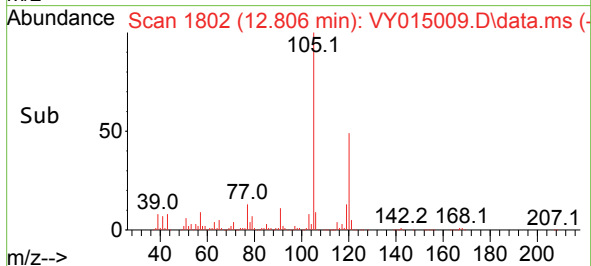
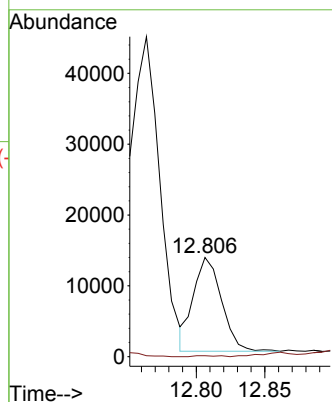
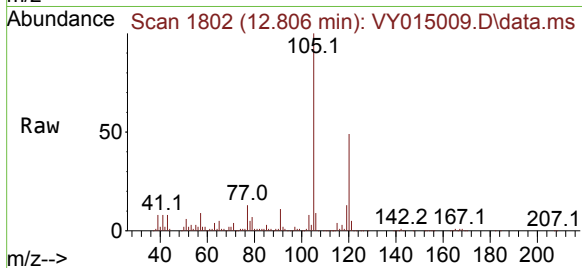
VNJ-207

Tgt Ion: 91 Resp: 18939

Ion Ratio Lower Upper

91 100

126 0.9 17.2 51.6#



#83

tert-Butylbenzene

Concen: 145.399 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.043 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

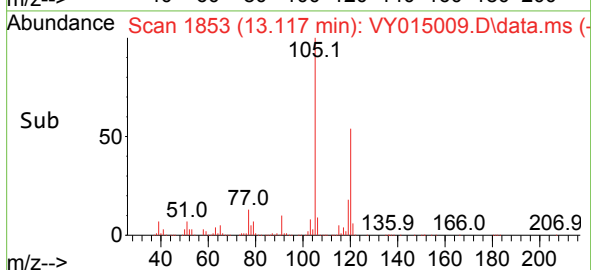
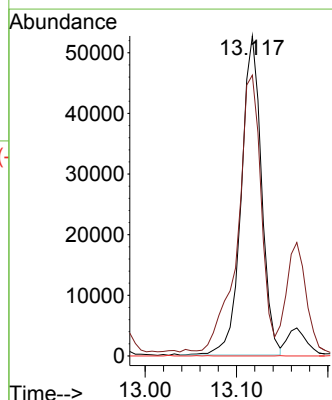
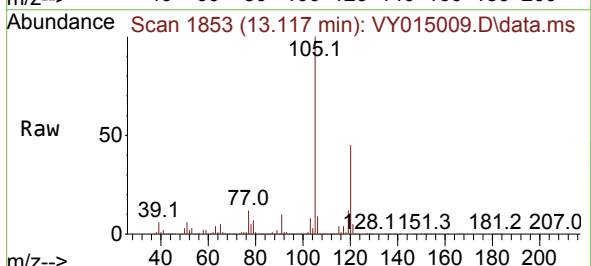
Tgt Ion: 119 Resp: 80947

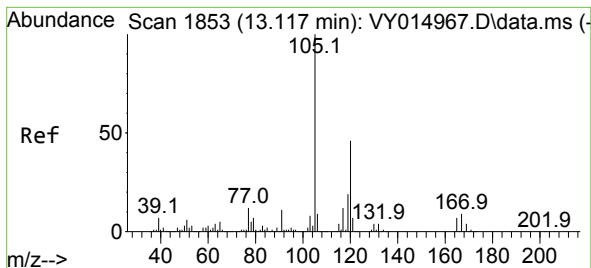
Ion Ratio Lower Upper

119 100

91 99.1 32.9 98.6#

134 0.0 13.0 38.9#





#84

1,2,4-Trimethylbenzene

Concen: 1070.935 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

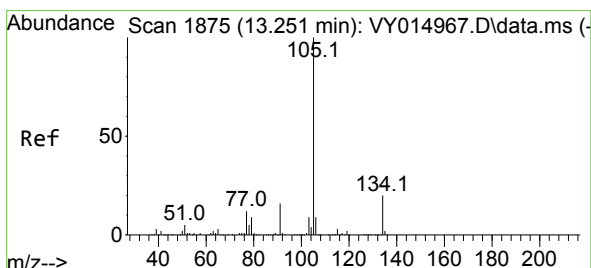
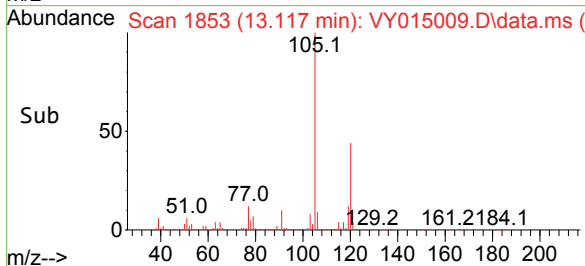
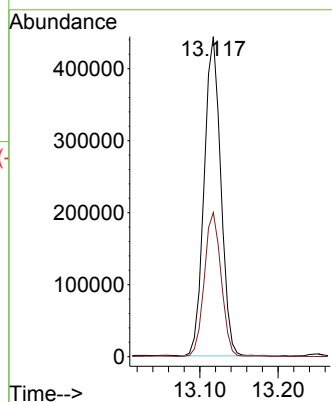
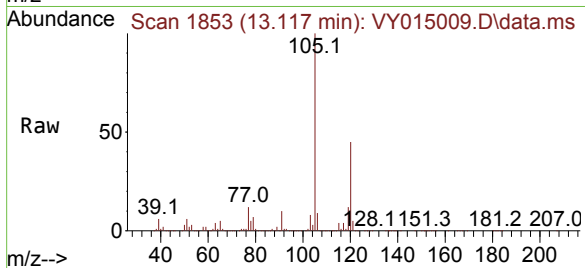
VNJ-207

Tgt Ion:105 Resp: 652981

Ion Ratio Lower Upper

105 100

120 45.7 22.2 66.6



#85

sec-Butylbenzene

Concen: 799.163 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.134 min

Lab File: VY015009.D

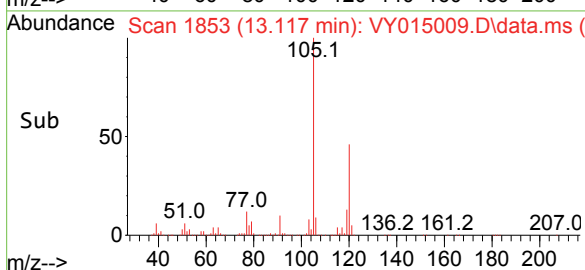
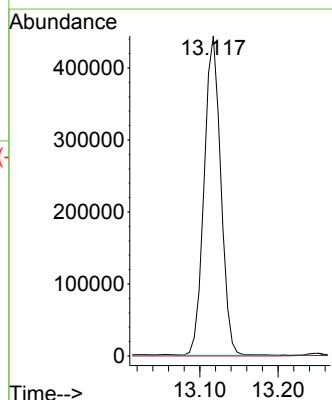
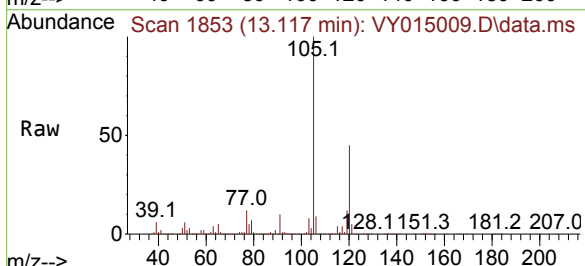
Acq: 09 Aug 2023 16:42

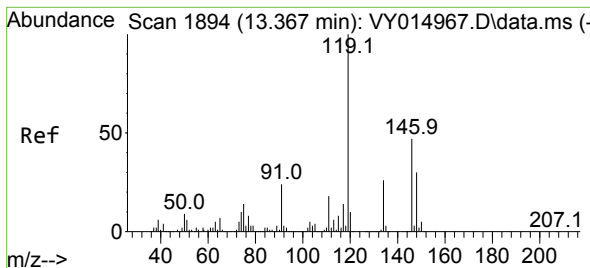
Tgt Ion:105 Resp: 652981

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#





#86

p-Isopropyltoluene

Concen: 106.398 ug/l

RT: 13.312 min Scan# 1

Delta R.T. -0.055 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207

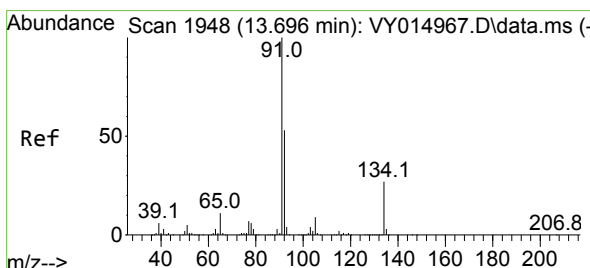
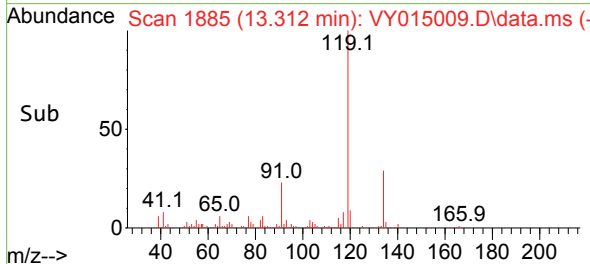
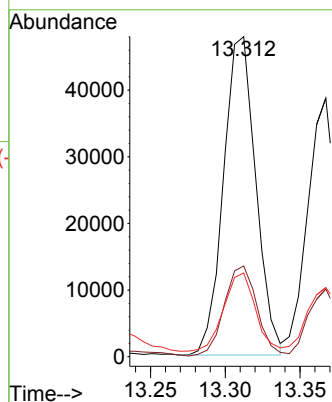
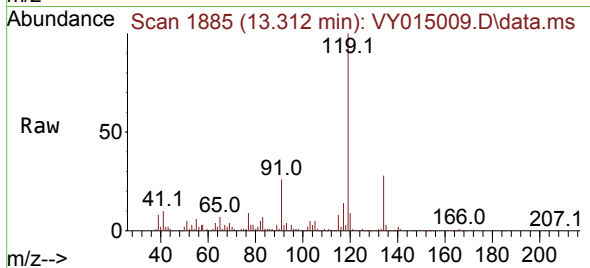
Tgt Ion:119 Resp: 71962

Ion Ratio Lower Upper

119 100

134 29.0 13.3 39.8

91 23.9 12.4 37.4



#89

n-Butylbenzene

Concen: 997.151 ug/l

RT: 13.623 min Scan# 1936

Delta R.T. -0.073 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

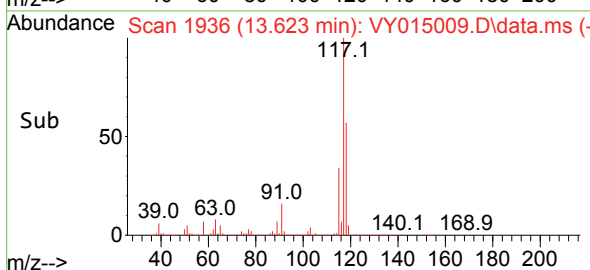
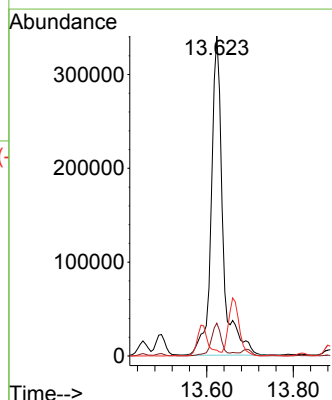
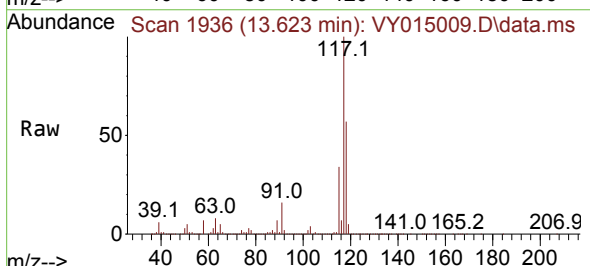
Tgt Ion: 91 Resp: 633665

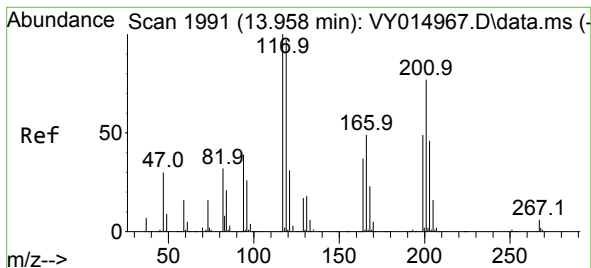
Ion Ratio Lower Upper

91 100

92 9.0 25.4 76.0#

134 0.0 12.6 37.6#





#90

Hexachloroethane

Concen: 256.149 ug/l

RT: 13.965 min Scan# 1991

Delta R.T. 0.006 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

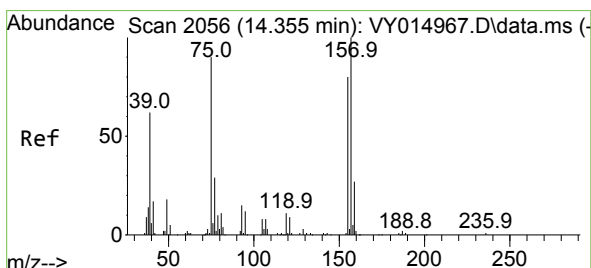
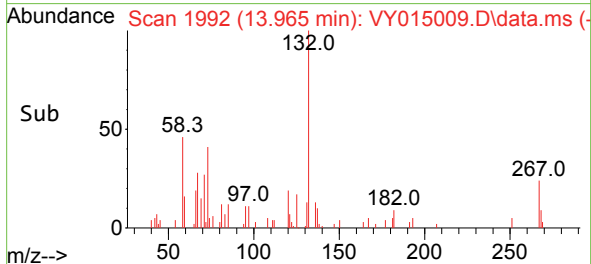
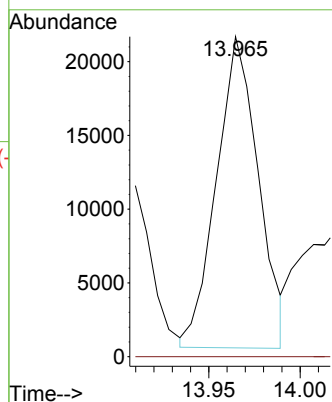
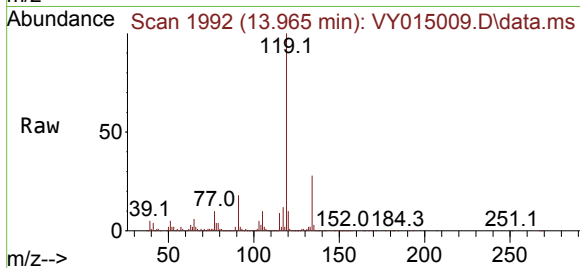
VNJ-207

Tgt Ion:117 Resp: 33643

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.583 ug/l

RT: 14.330 min Scan# 2052

Delta R.T. -0.024 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

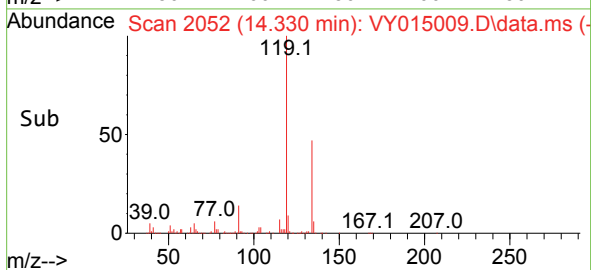
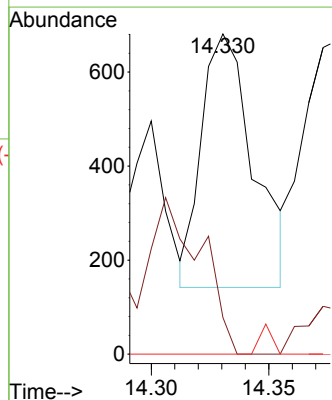
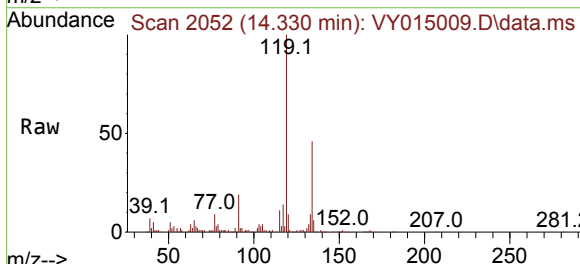
Tgt Ion: 75 Resp: 831

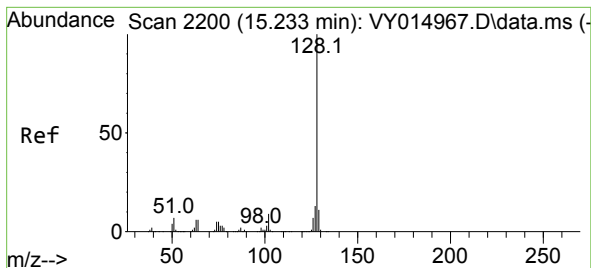
Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

157 2.8 51.8 155.5#





#95

Naphthalene

Concen: 20747.438 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207

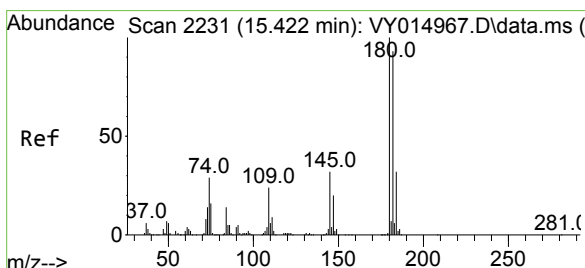
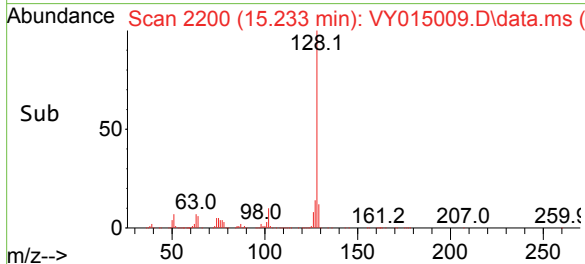
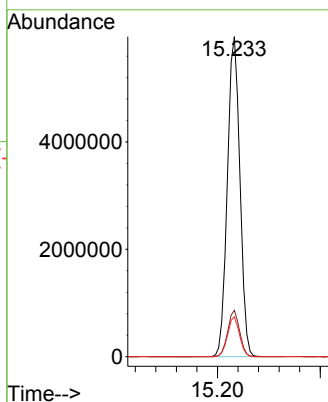
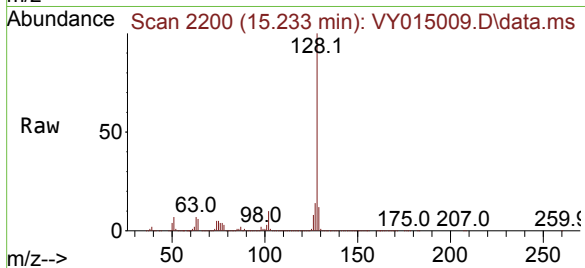
Tgt Ion:128 Resp:10108873

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

129 11.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.369 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.012 min

Lab File: VY015009.D

Acq: 09 Aug 2023 16:42

Tgt Ion:180 Resp: 444

Ion Ratio Lower Upper

180 100

182 39.6 47.3 141.8#

145 156.3 15.4 46.2#

