

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014647.D
 Acq On : 14 Jul 2023 15:03
 Operator : SY/MD
 Sample : 03617-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-214

Quant Time: Jul 14 23:10:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

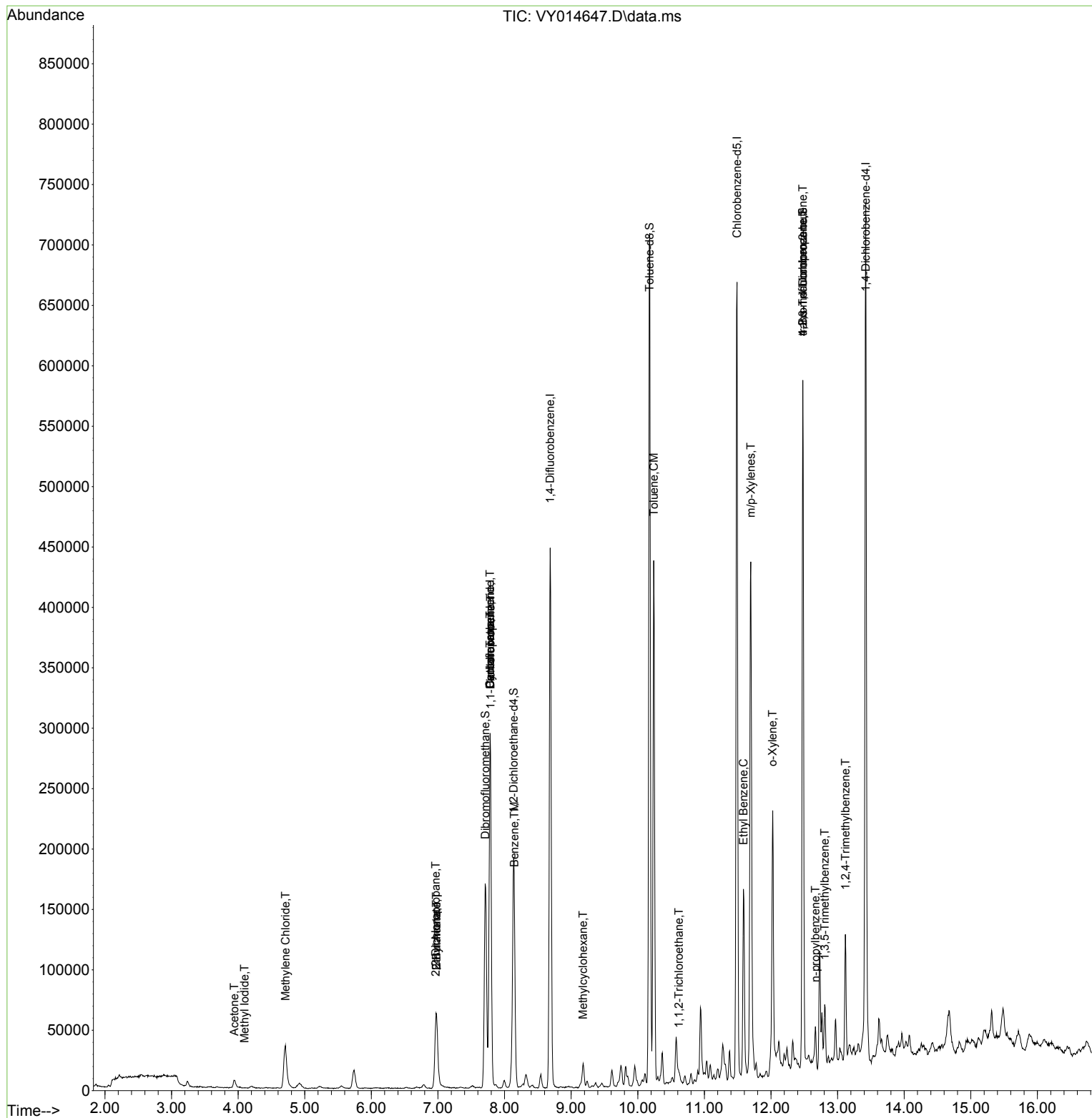
Internal Standards						
1) Pentafluorobenzene	7.783	168	223339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	389974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	365074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	173290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	137998	54.222	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.440%	
35) Dibromofluoromethane	7.710	113	121300	48.862	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.720%	
50) Toluene-d8	10.179	98	463690	50.663	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.320%	
62) 4-Bromofluorobenzene	12.477	95	175926	50.130	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.260%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.095	142	180	2.438	ug/l #	38
11) Tert butyl alcohol	4.918	59	4850	Below Cal	#	94
16) Acetone	3.942	43	12090	14.991	ug/l	99
20) Methylene Chloride	4.710	84	26512	6.440	ug/l	86
25) 2-Butanone	6.978	43	4117	3.489	ug/l #	87
26) 2,2-Dichloropropane	6.966	77	5466	1.263	ug/l #	54
31) Cyclohexane	7.783	56	7192	1.702	ug/l #	8
36) 1,1-Dichloropropene	7.789	75	16961	4.569	ug/l #	50
37) Ethyl Acetate	6.978	43	4117	1.611	ug/l #	8
38) Carbon Tetrachloride	7.783	117	22225	5.663	ug/l #	16
39) Methylcyclohexane	9.179	83	7662	1.584	ug/l	93
40) Benzene	8.149	78	16106	1.525	ug/l	99
52) Toluene	10.240	92	177512	26.273	ug/l	93
55) 1,1,2-Trichloroethane	10.618	97	4302	1.846	ug/l #	19
67) Ethyl Benzene	11.587	91	107528	7.655	ug/l	99
68) m/p-Xylenes	11.697	106	132609	24.732	ug/l	96
69) o-Xylene	12.026	106	54446	10.425	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	90371	41.292	ug/l #	100
78) n-propylbenzene	12.666	91	26099	1.596	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	19697	1.738	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.477	75	90371	79.948	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	55737	5.012	ug/l	99

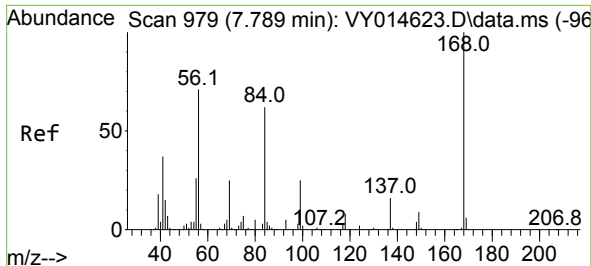
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 14 02:09:50 2023
Response via : Initial Calibration

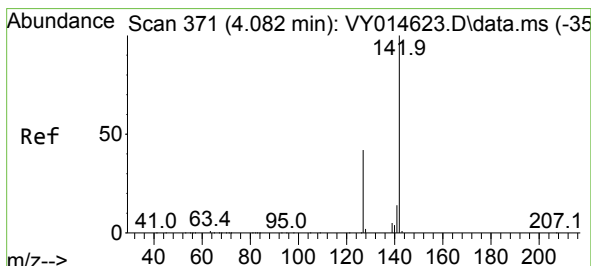
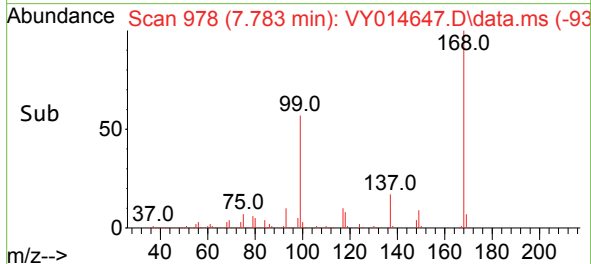
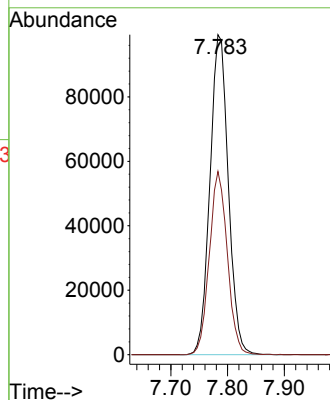
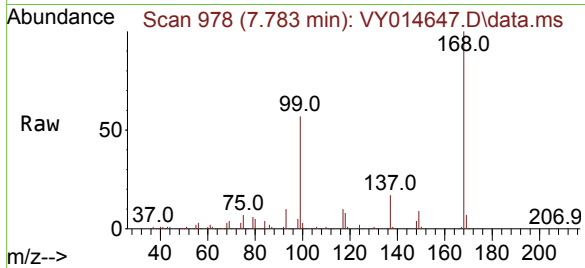




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

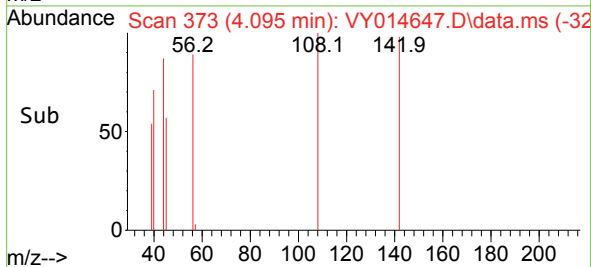
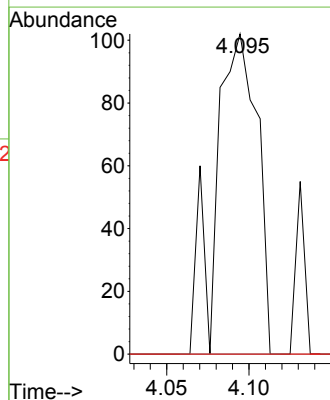
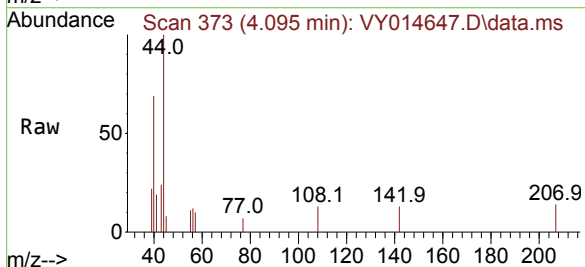
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-214

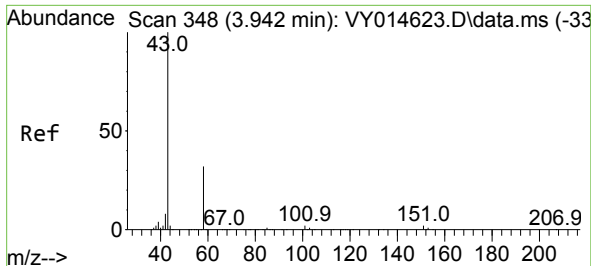
Tgt Ion:168 Resp: 223339
Ion Ratio Lower Upper
168 100
99 57.2 43.4 65.0



#10
Methyl Iodide
Concen: 2.438 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.013 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

Tgt Ion:142 Resp: 180
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

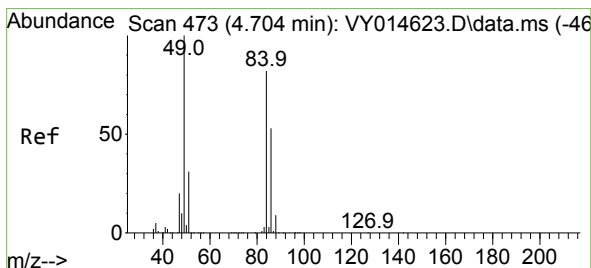
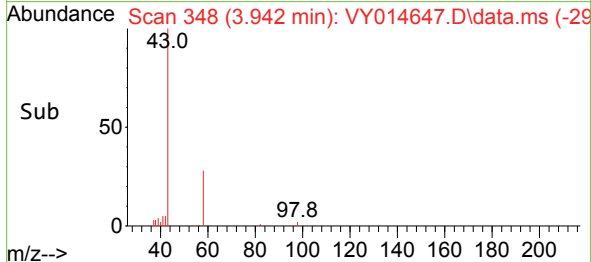
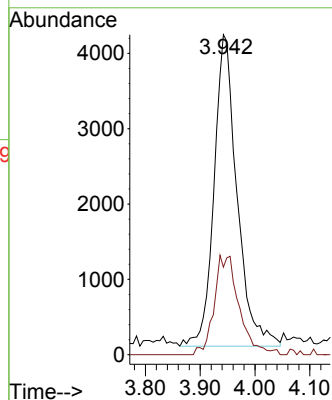
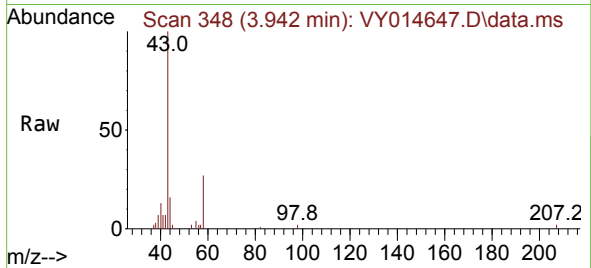




#16
Acetone
Concen: 14.991 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

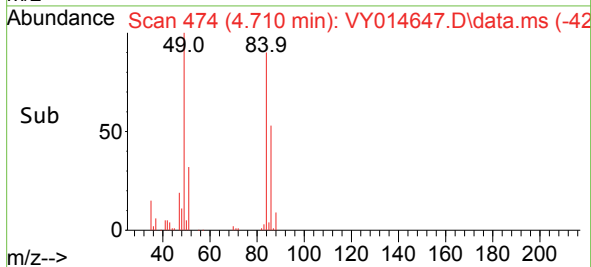
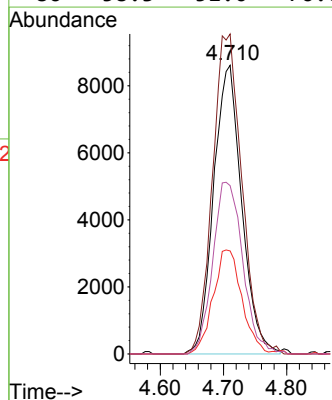
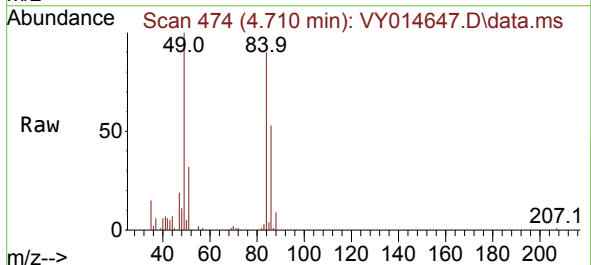
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-214

Tgt Ion: 43 Resp: 12090
Ion Ratio Lower Upper
43 100
58 28.1 22.7 34.1



#20
Methylene Chloride
Concen: 6.440 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

Tgt Ion: 84 Resp: 26512
Ion Ratio Lower Upper
84 100
49 110.8 106.9 160.3
51 35.7 33.2 49.8
86 58.3 51.0 76.6

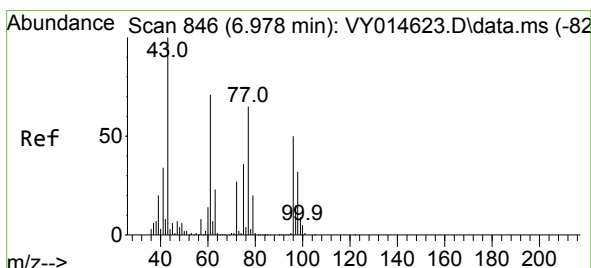
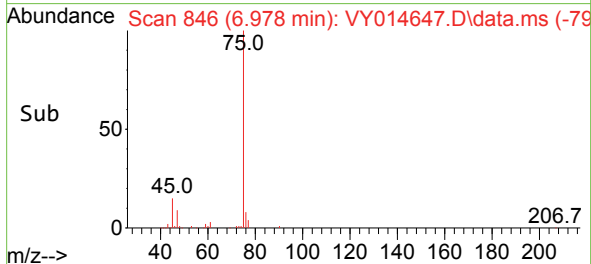
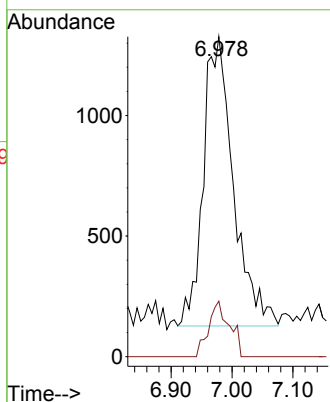
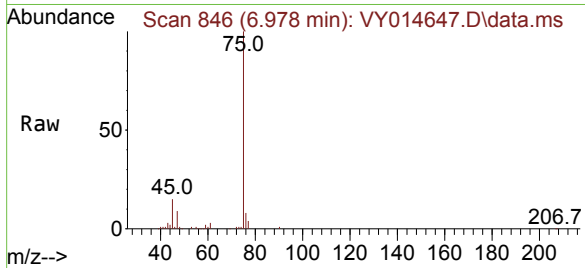




#25
2-Butanone
Concen: 3.489 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

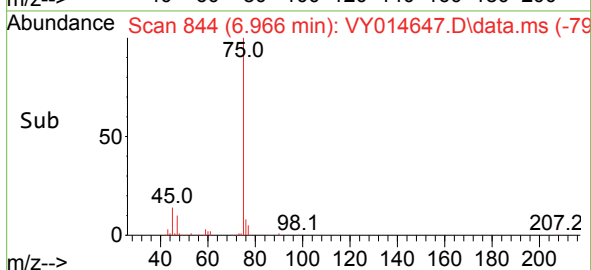
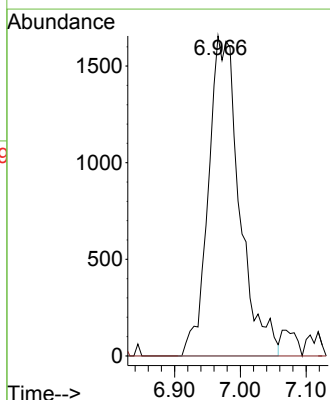
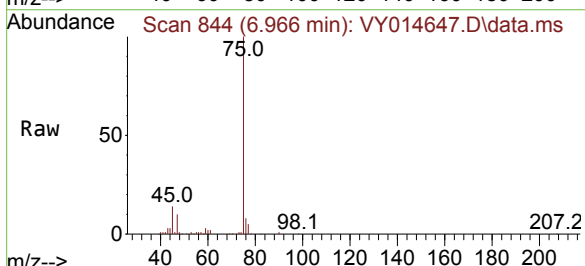
Instrument :
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ClientSampleId :
VNJ-214

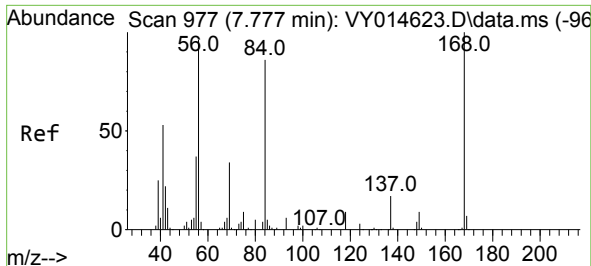
Tgt Ion: 43 Resp: 4117
Ion Ratio Lower Upper
43 100
72 19.2 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.263 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

Tgt Ion: 77 Resp: 5466
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

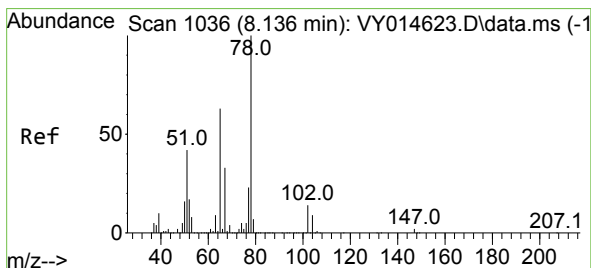
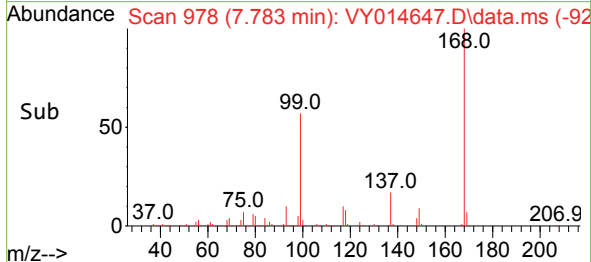
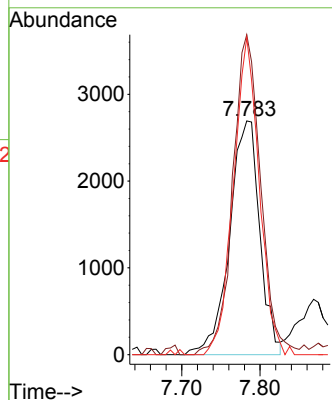
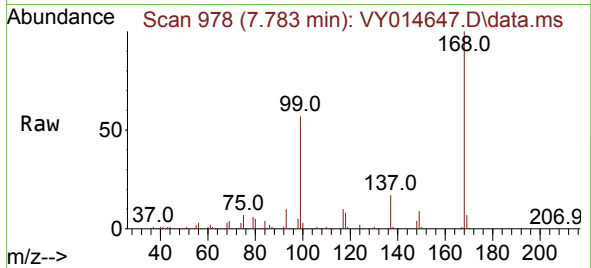




#31
Cyclohexane
Concen: 1.702 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

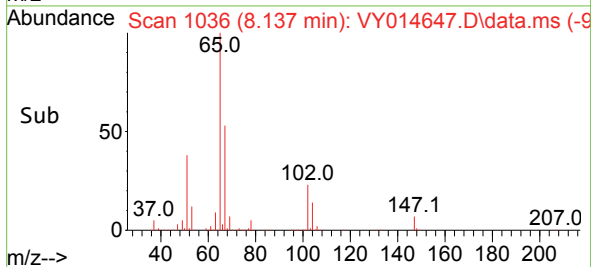
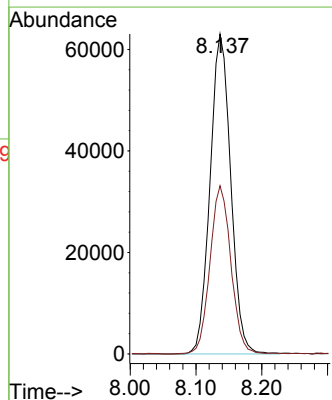
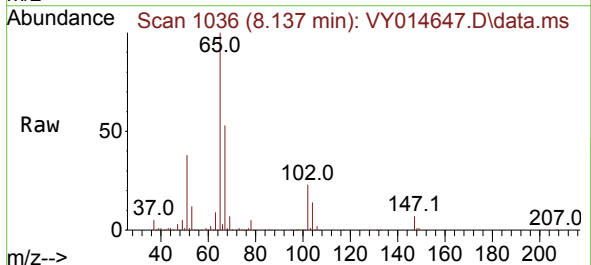
Instrument :
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ClientSampleId :
VNJ-214

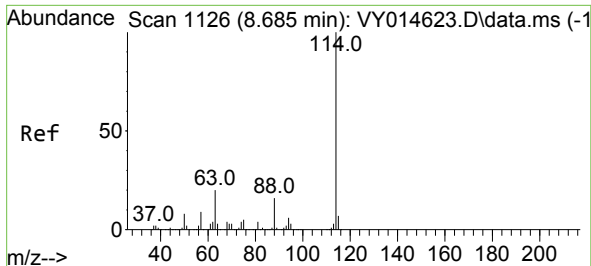
Tgt Ion: 56 Resp: 7192
Ion Ratio Lower Upper
56 100
69 136.9 27.8 41.6#
84 133.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.222 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

Tgt Ion: 65 Resp: 137998
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.8

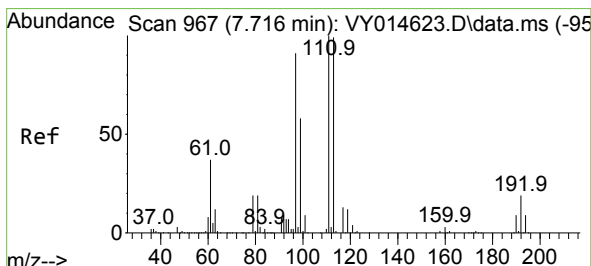
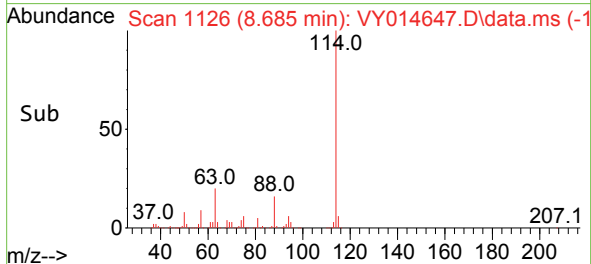
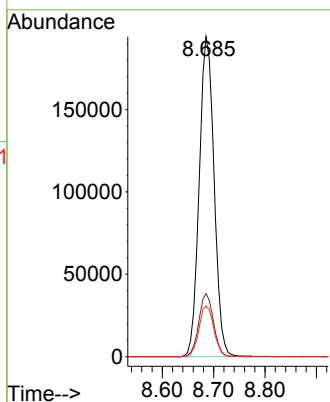
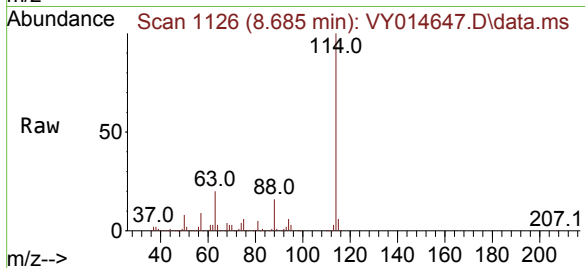




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

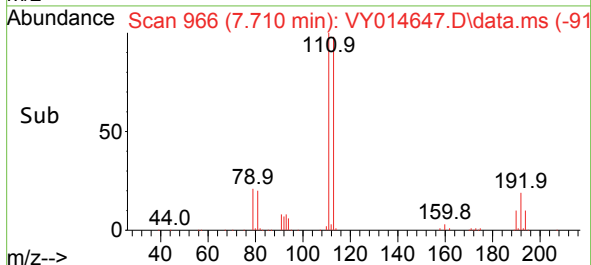
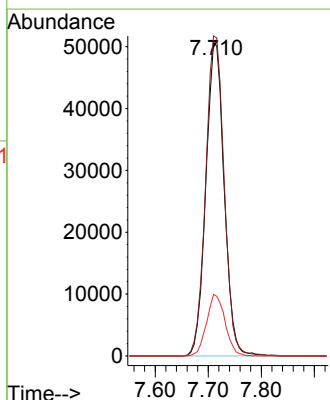
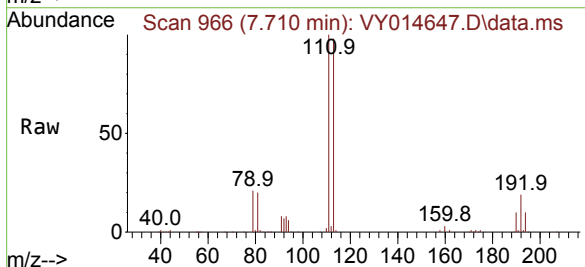
Instrument :
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ClientSampleId :
VNJ-214

Tgt Ion:114 Resp: 389974
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.4
88 15.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.862 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

Tgt Ion:113 Resp: 121300
Ion Ratio Lower Upper
113 100
111 103.8 81.3 121.9
192 19.9 16.9 25.3

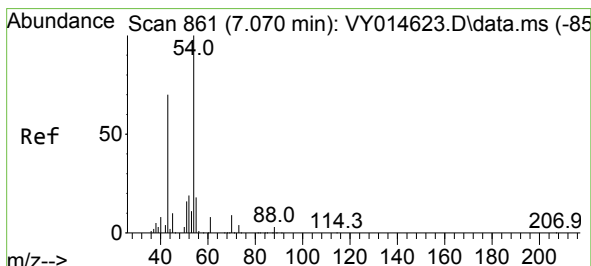
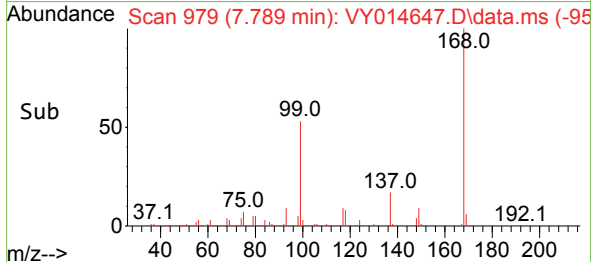
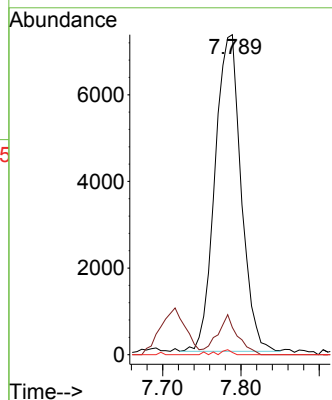
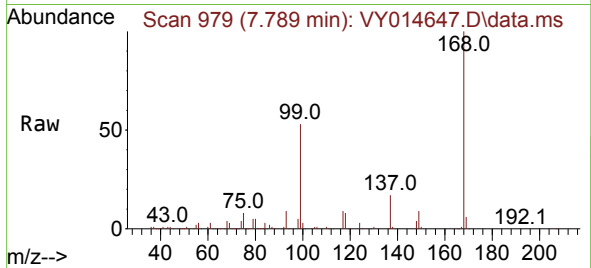




#36
1,1-Dichloropropene
Concen: 4.569 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

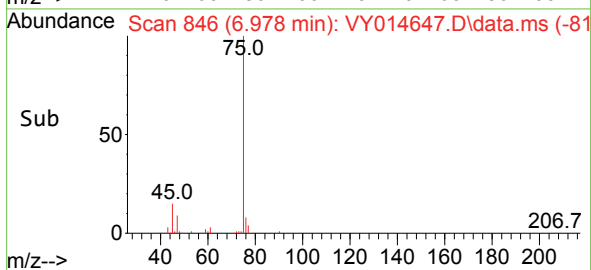
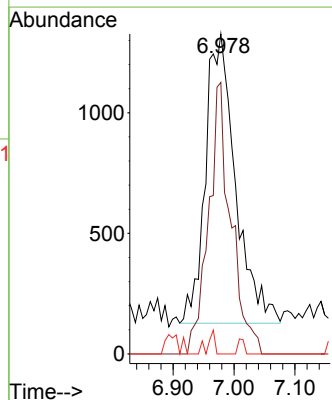
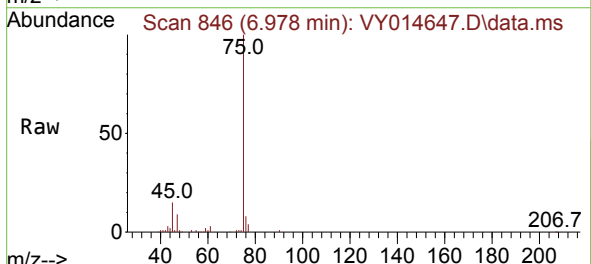
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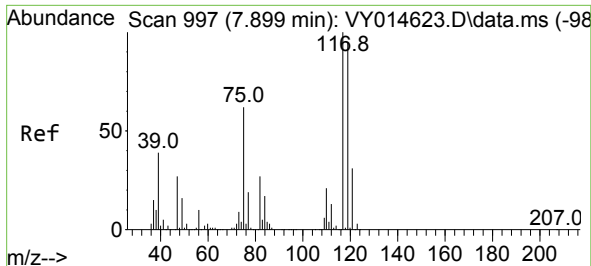
Tgt Ion: 75 Resp: 16961
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.611 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

Tgt Ion: 43 Resp: 4117
Ion Ratio Lower Upper
43 100
61 69.3 10.1 15.1#
70 1.9 7.1 10.7#

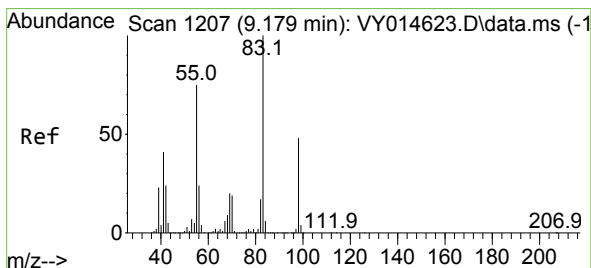
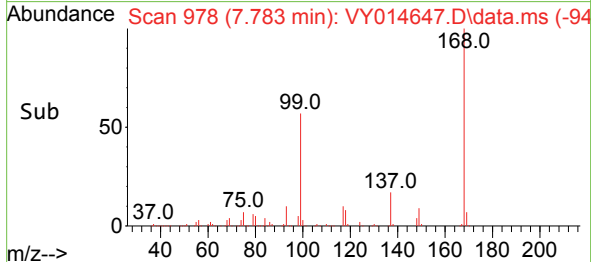
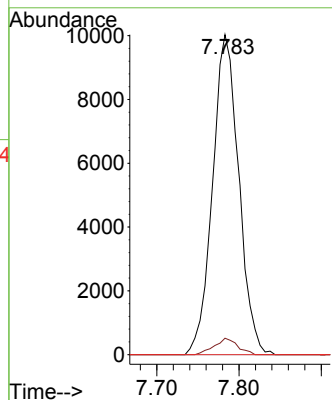
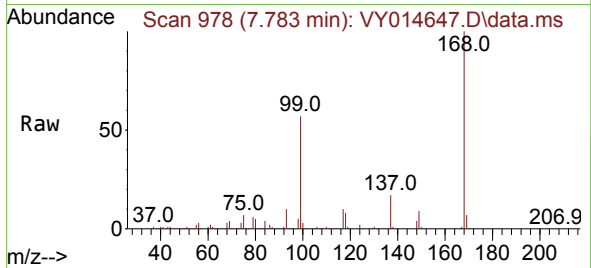




#38
Carbon Tetrachloride
Concen: 5.663 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

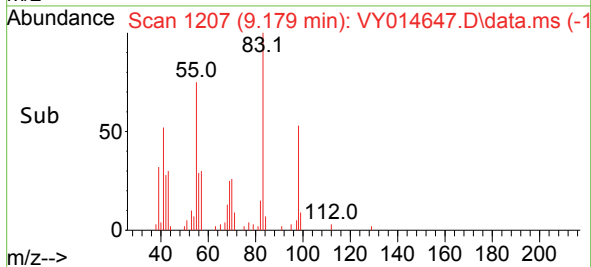
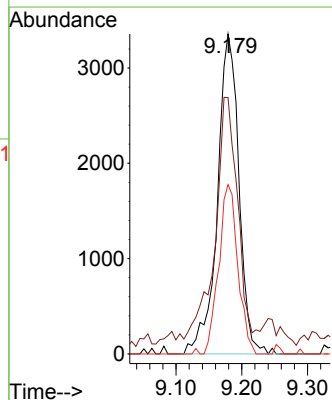
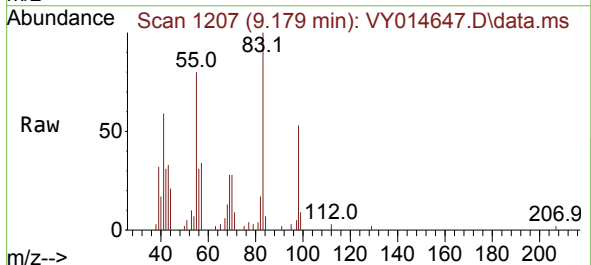
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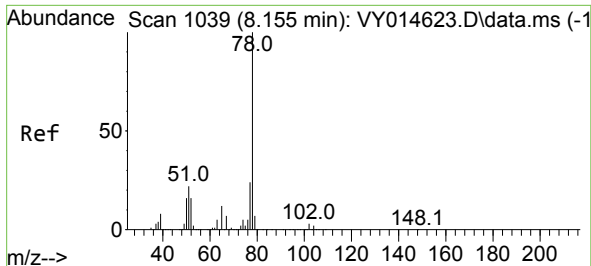
Tgt Ion:117 Resp: 22225
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 1.584 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

Tgt Ion: 83 Resp: 7662
Ion Ratio Lower Upper
83 100
55 73.8 63.0 94.4
98 52.9 37.4 56.2

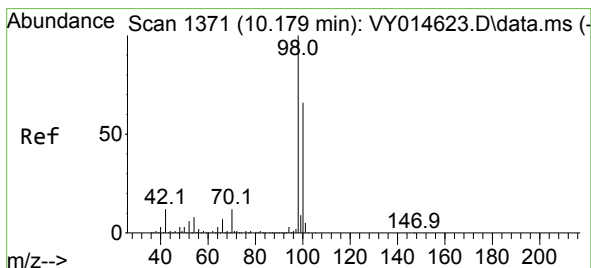
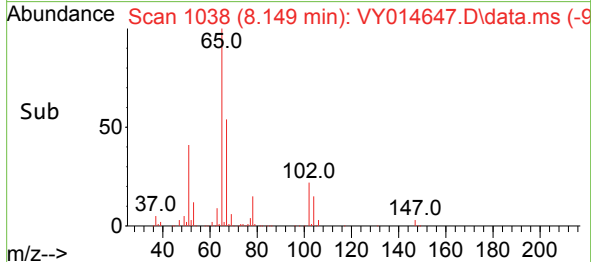
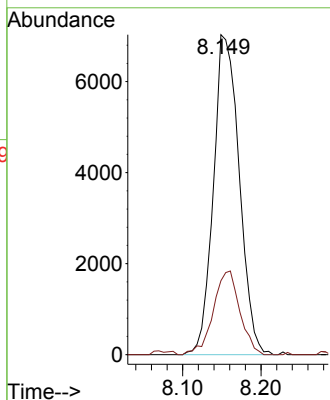
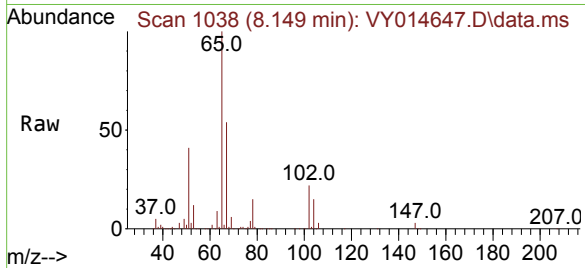




#40
Benzene
Concen: 1.525 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

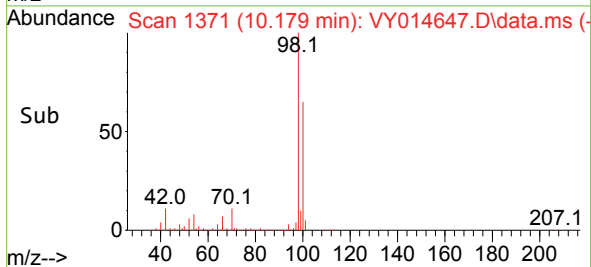
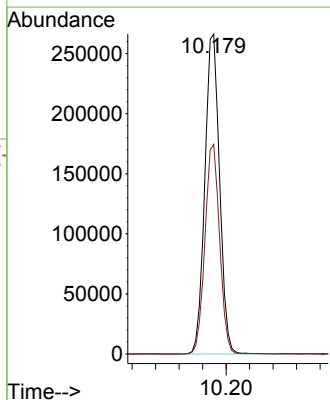
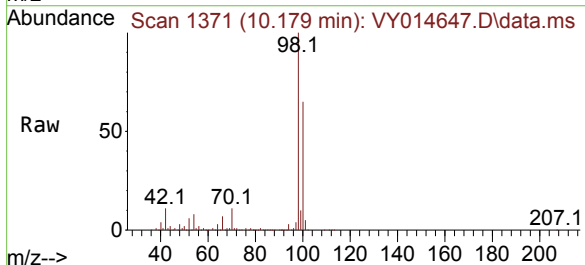
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-214

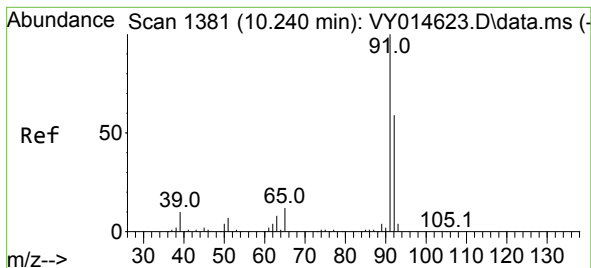
Tgt Ion: 78 Resp: 16106
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.6



#50
Toluene-d8
Concen: 50.663 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

Tgt Ion: 98 Resp: 463690
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1





#52

Toluene

Concen: 26.273 ug/l

RT: 10.240 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014647.D

Acq: 14 Jul 2023 15:03

Instrument :

MSVOA_Y

ClientSampleId :

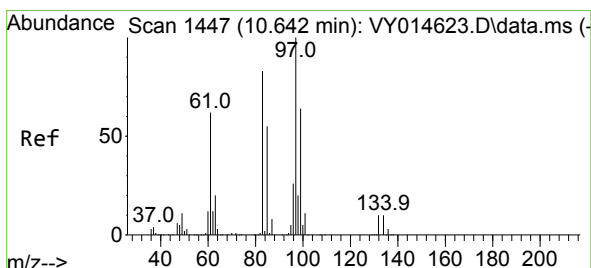
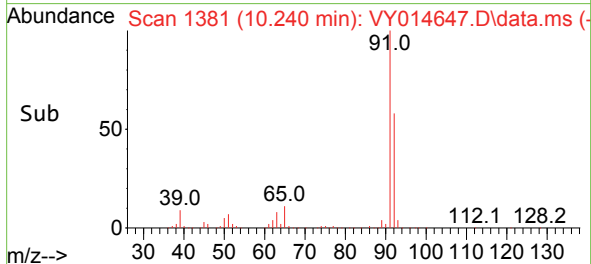
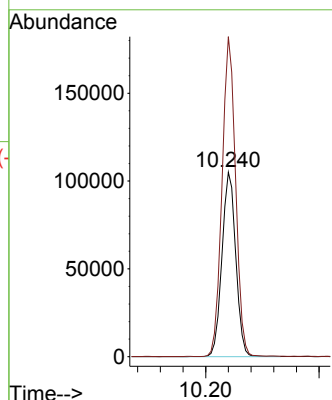
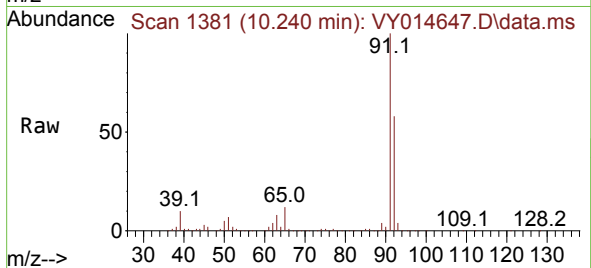
VNJ-214

Tgt Ion: 92 Resp: 177512

Ion Ratio Lower Upper

92 100

91 169.9 143.8 215.6



#55

1,1,2-Trichloroethane

Concen: 1.846 ug/l

RT: 10.618 min Scan# 1443

Delta R.T. -0.024 min

Lab File: VY014647.D

Acq: 14 Jul 2023 15:03

Tgt Ion: 97 Resp: 4302

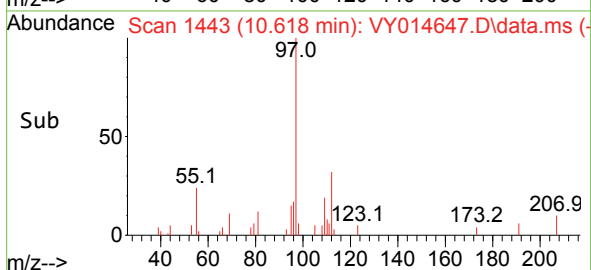
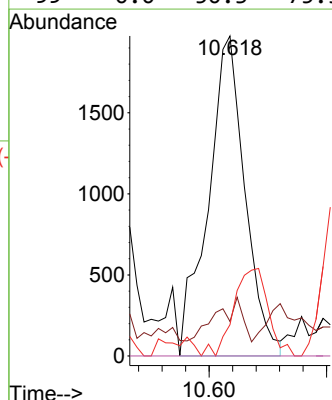
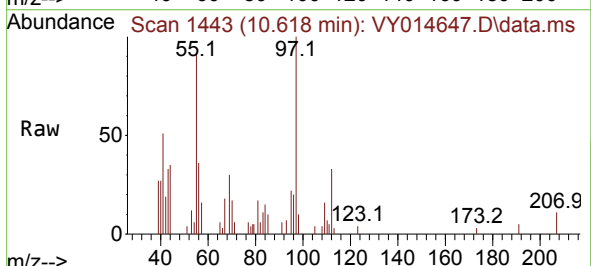
Ion Ratio Lower Upper

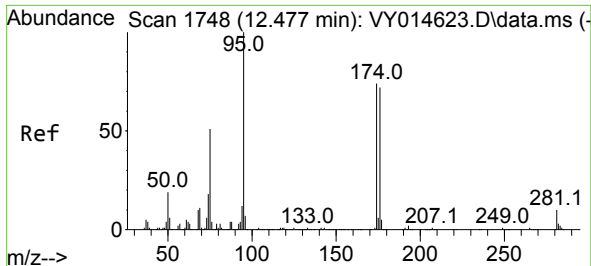
97 100

83 5.9 72.0 108.0#

85 7.2 45.4 68.0#

99 0.0 50.3 75.5#

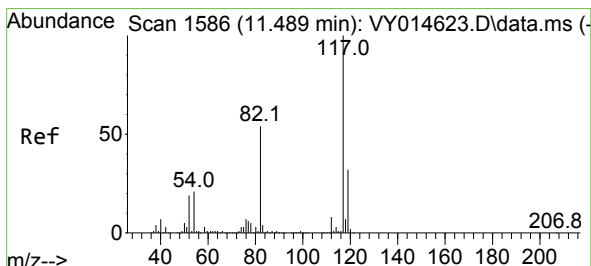
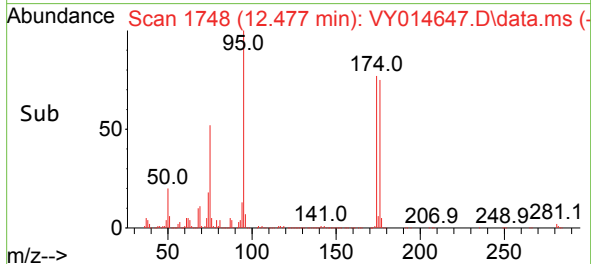
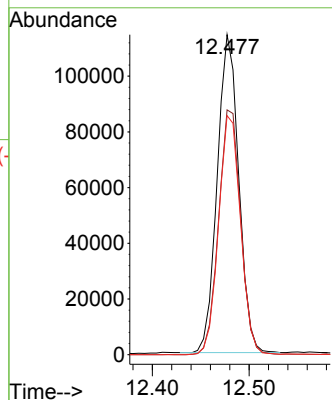
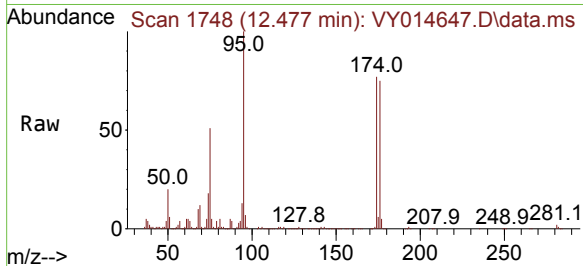




#62
4-Bromofluorobenzene
Concen: 50.130 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

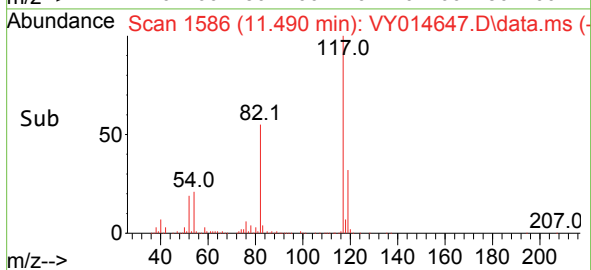
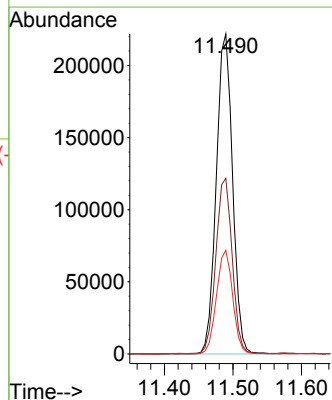
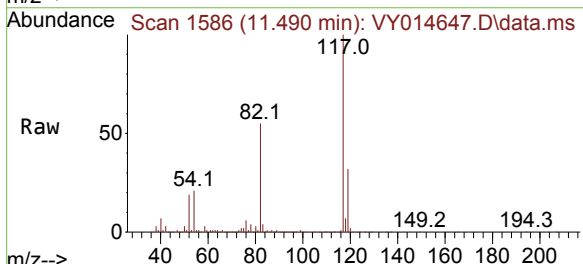
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-214

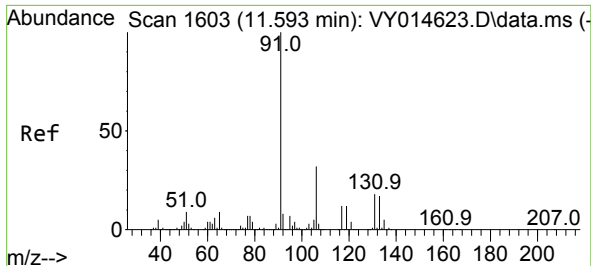
Tgt Ion: 95 Resp: 175926
Ion Ratio Lower Upper
95 100
174 79.5 0.0 178.2
176 76.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

Tgt Ion: 117 Resp: 365074
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.0
119 32.4 26.3 39.5





#67

Ethyl Benzene

Concen: 7.655 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014647.D

Acq: 14 Jul 2023 15:03

Instrument :

MSVOA_Y

ClientSampleId :

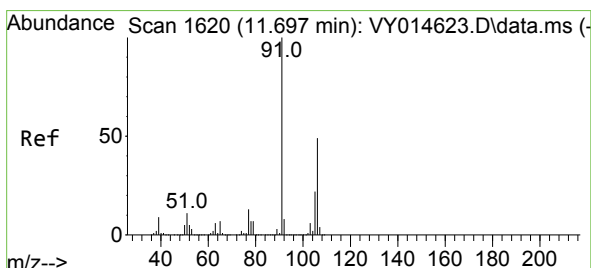
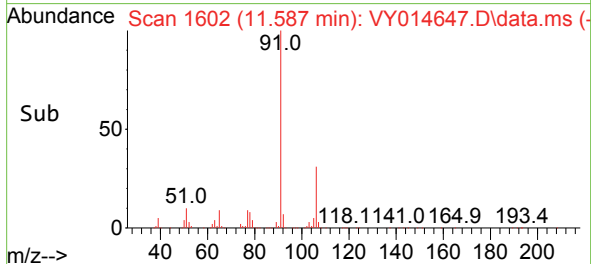
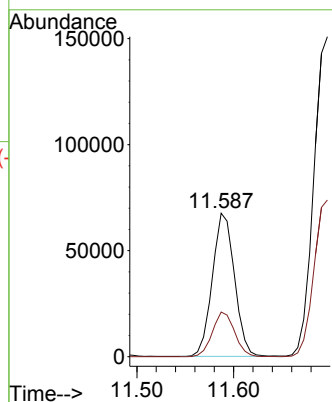
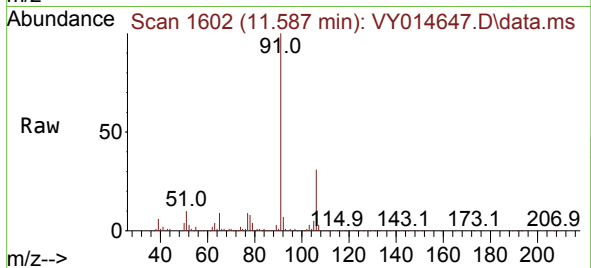
VNJ-214

Tgt Ion: 91 Resp: 107528

Ion Ratio Lower Upper

91 100

106 31.2 24.6 36.8



#68

m/p-Xylenes

Concen: 24.732 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VY014647.D

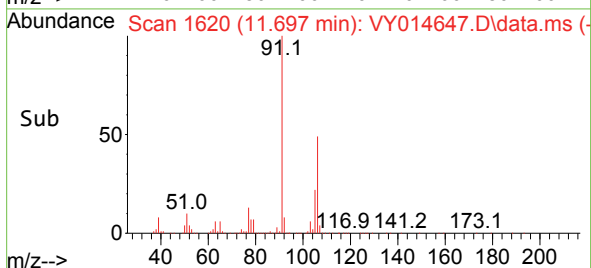
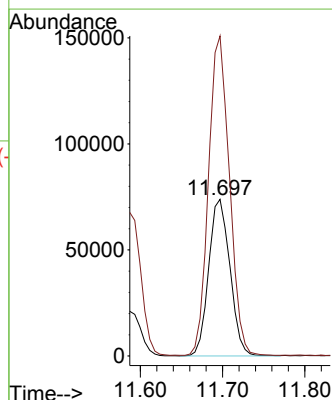
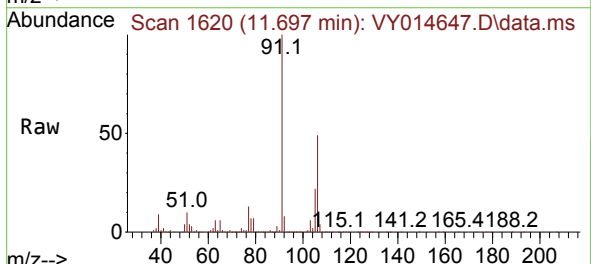
Acq: 14 Jul 2023 15:03

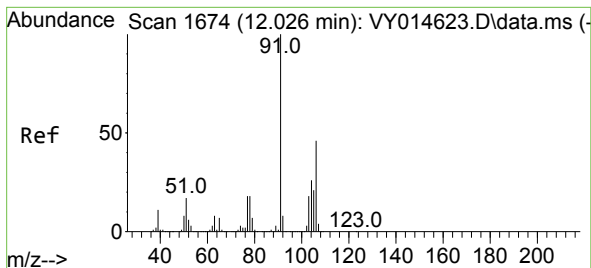
Tgt Ion:106 Resp: 132609

Ion Ratio Lower Upper

106 100

91 200.6 166.1 249.1





#69

o-Xylene

Concen: 10.425 ug/l

RT: 12.026 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014647.D

Acq: 14 Jul 2023 15:03

Instrument :

MSVOA_Y

ClientSampleId :

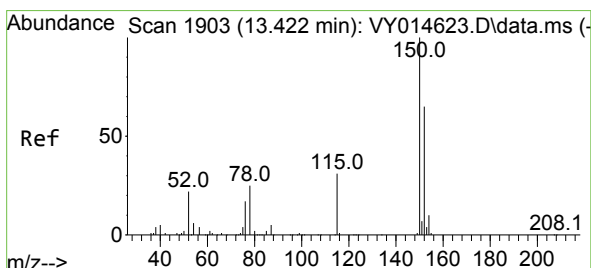
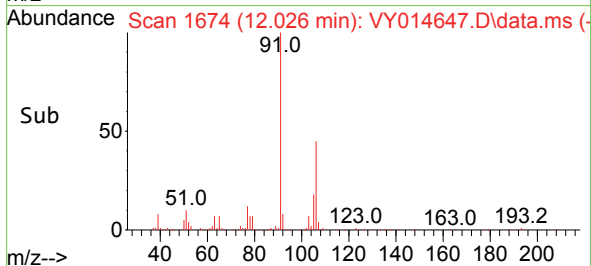
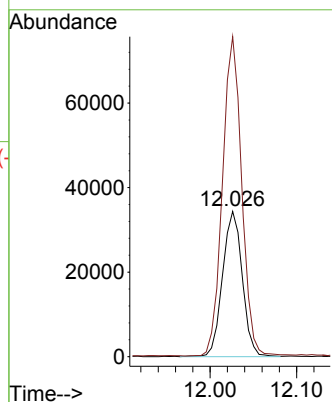
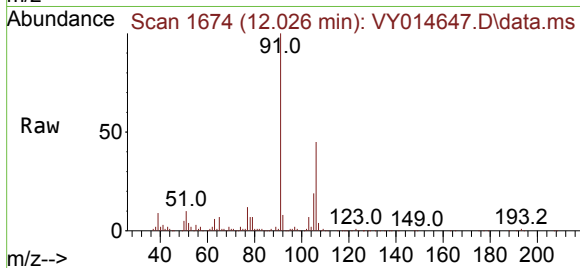
VNJ-214

Tgt Ion:106 Resp: 54446

Ion Ratio Lower Upper

106 100

91 214.8 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014647.D

Acq: 14 Jul 2023 15:03

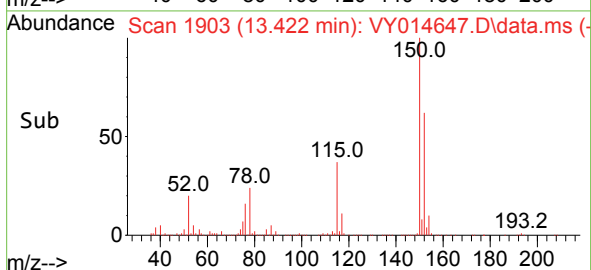
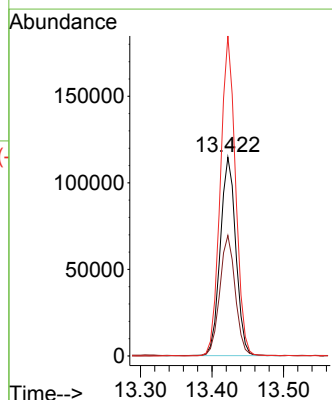
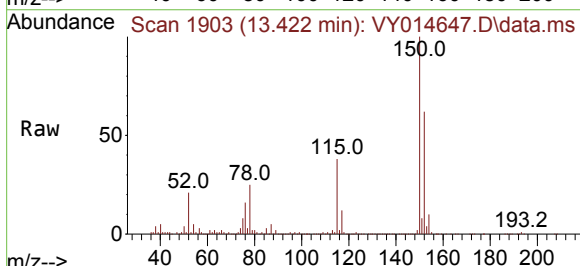
Tgt Ion:152 Resp: 173290

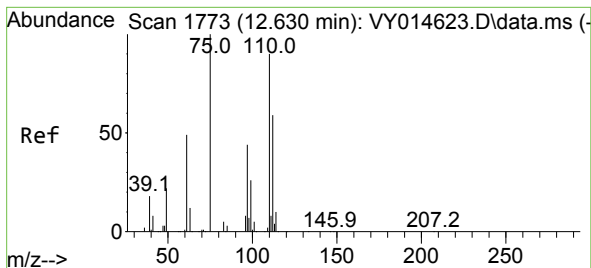
Ion Ratio Lower Upper

152 100

115 60.4 28.8 86.5

150 158.0 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 41.292 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.153 min

Lab File: VY014647.D

Acq: 14 Jul 2023 15:03

Instrument :

MSVOA_Y

ClientSampleId :

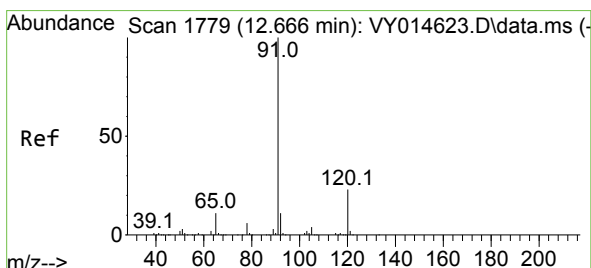
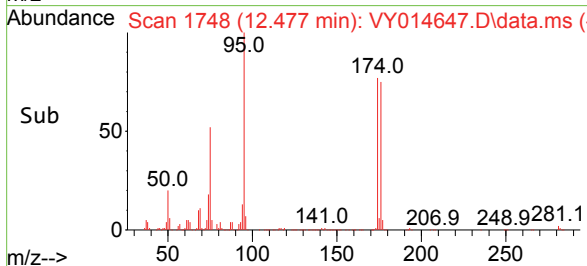
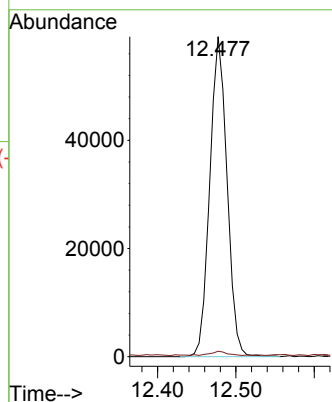
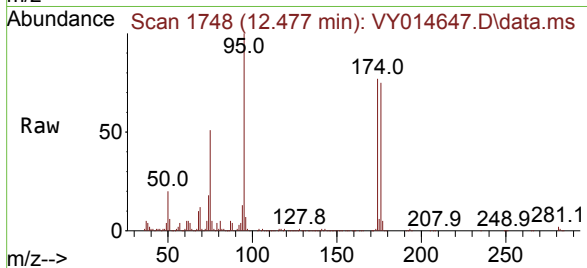
VNJ-214

Tgt Ion: 75 Resp: 90371

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#78

n-propylbenzene

Concen: 1.596 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY014647.D

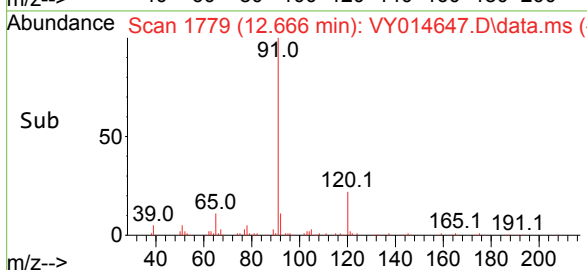
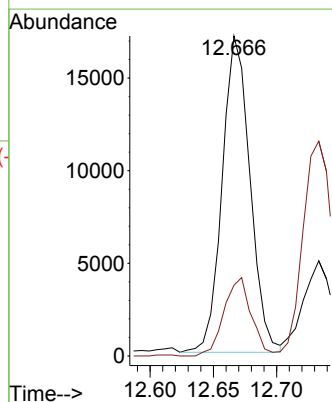
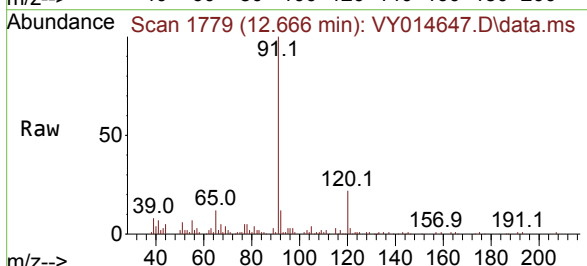
Acq: 14 Jul 2023 15:03

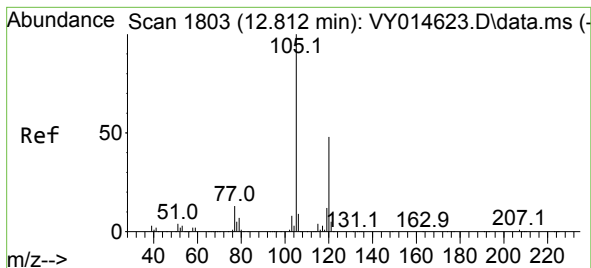
Tgt Ion: 91 Resp: 26099

Ion Ratio Lower Upper

91 100

120 24.3 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 1.738 ug/l

RT: 12.806 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014647.D

Acq: 14 Jul 2023 15:03

Instrument :

MSVOA_Y

ClientSampleId :

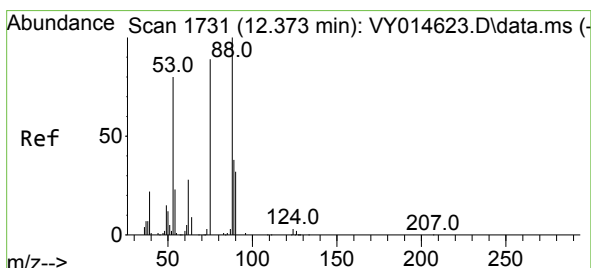
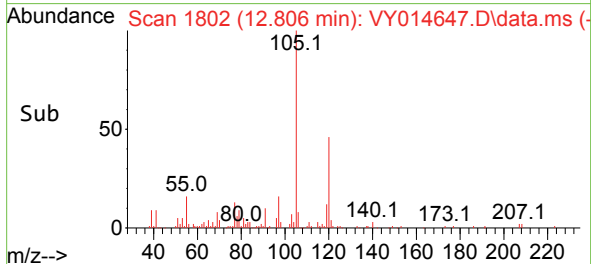
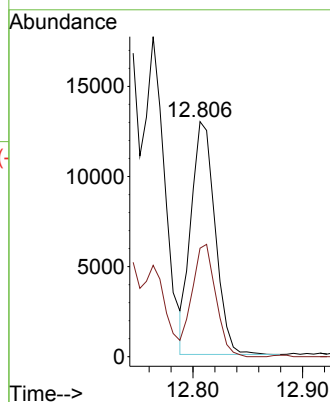
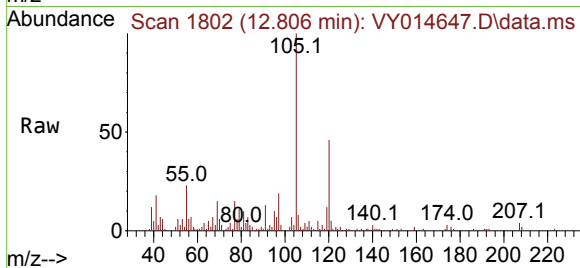
VNJ-214

Tgt Ion:105 Resp: 19697

Ion Ratio Lower Upper

105 100

120 47.5 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 79.948 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY014647.D

Acq: 14 Jul 2023 15:03

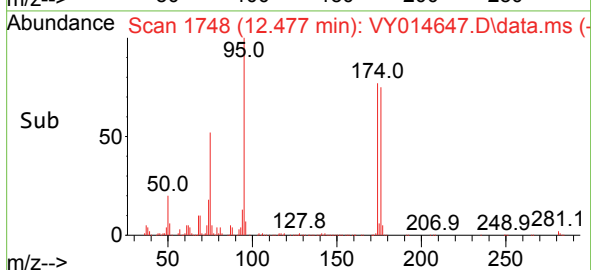
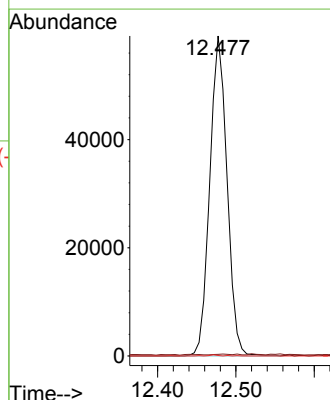
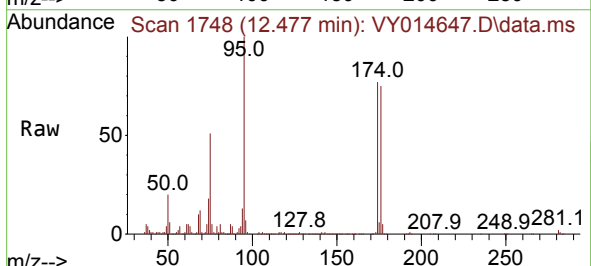
Tgt Ion: 75 Resp: 90371

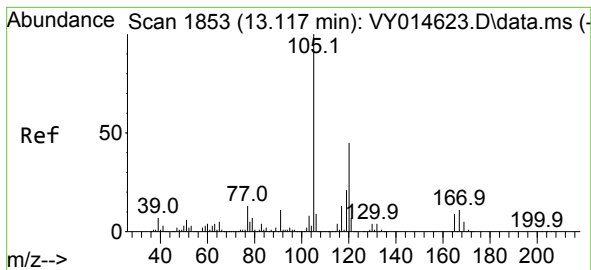
Ion Ratio Lower Upper

75 100

53 0.2 77.8 116.8#

89 0.2 37.4 56.0#





#84
1,2,4-Trimethylbenzene
Concen: 5.012 ug/l
RT: 13.117 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014647.D
Acq: 14 Jul 2023 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-214

Tgt Ion:105 Resp: 55737
Ion Ratio Lower Upper
105 100
120 44.9 22.2 66.6

