

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011923\
 Data File : VY012257.D
 Acq On : 19 Jan 2023 11:53
 Operator : KP/MD
 Sample : 01179-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

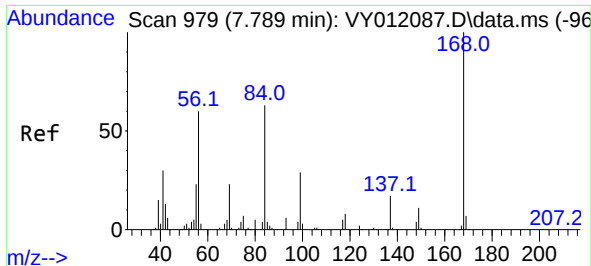
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-208RE

Quant Time: Jan 20 03:22:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	47714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	71477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	59959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	22779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	22562	57.649	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.300%			
35) Dibromofluoromethane	7.715	113	21297	56.271	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.540%			
50) Toluene-d8	10.178	98	81529	63.327	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 126.660%			
62) 4-Bromofluorobenzene	12.483	95	21324	39.968	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 79.940%			
Target Compounds					Qvalue	
5) Bromomethane	2.661	94	493	1.419	ug/l #	66
10) Methyl Iodide	4.100	142	1530	2.359	ug/l #	89
11) Tert butyl alcohol	4.923	59	275	Below Cal	#	74
16) Acetone	3.948	43	60834	457.873	ug/l	97
20) Methylene Chloride	4.716	84	1977	Below Cal	#	76
25) 2-Butanone	6.978	43	900	6.136	ug/l #	46
26) 2,2-Dichloropropane	6.978	77	1525	1.875	ug/l #	53
31) Cyclohexane	7.782	56	901	1.295	ug/l #	14
36) 1,1-Dichloropropene	7.795	75	3092	4.807	ug/l #	51
37) Ethyl Acetate	6.978	43	900	3.174	ug/l #	1
38) Carbon Tetrachloride	7.789	117	4671	5.623	ug/l #	22
55) 1,1,2-Trichloroethane	10.623	97	371	1.007	ug/l #	16
68) m/p-Xylenes	11.696	106	1604	1.850	ug/l	93
69) o-Xylene	12.032	106	1361	1.644	ug/l	89
76) 1,2,3-Trichloropropane	12.483	75	10611	50.659	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	10611	104.379	ug/l #	13
91) 1,2-Dichlorobenzene	13.739	146	768	1.095	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	528	1.175	ug/l	90
95) Naphthalene	15.238	128	1346	1.517	ug/l	97
96) 1,2,3-Trichlorobenzene	15.434	180	480	1.241	ug/l	79

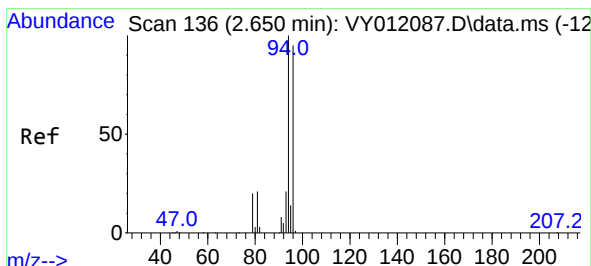
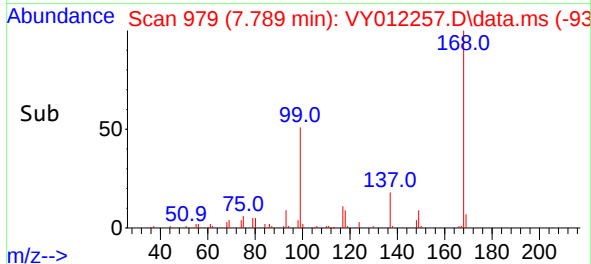
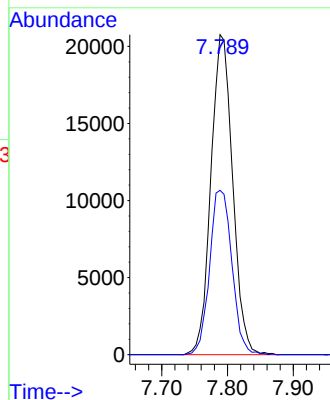
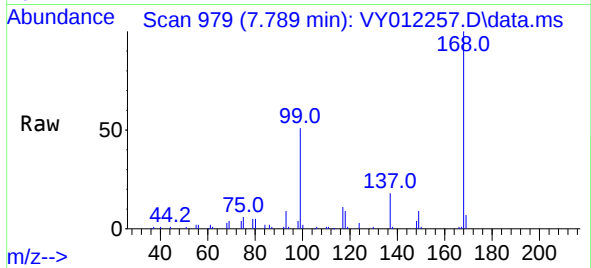
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

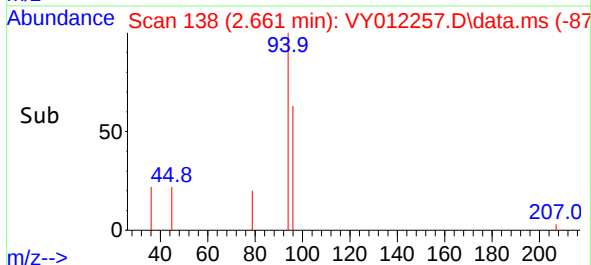
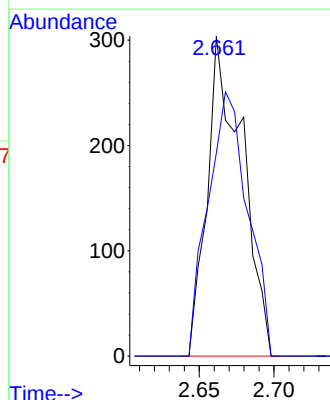
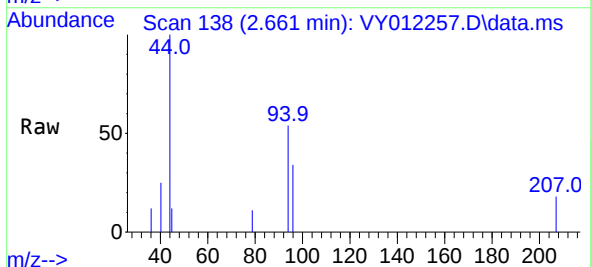
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208RE

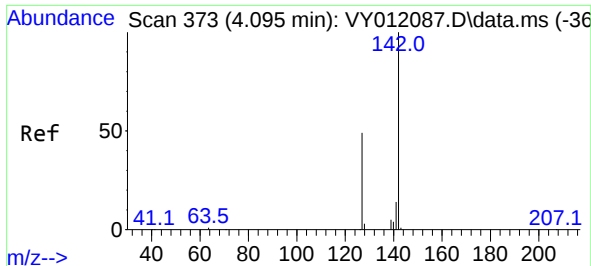
Tgt Ion:168 Resp: 47714
Ion Ratio Lower Upper
168 100
99 51.4 44.0 66.0



#5
Bromomethane
Concen: 1.419 ug/l
RT: 2.661 min Scan# 138
Delta R.T. 0.011 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

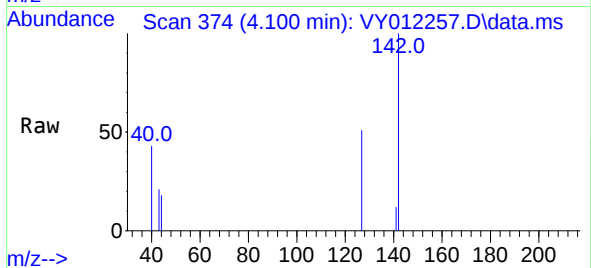
Tgt Ion: 94 Resp: 493
Ion Ratio Lower Upper
94 100
96 63.5 77.4 116.2#



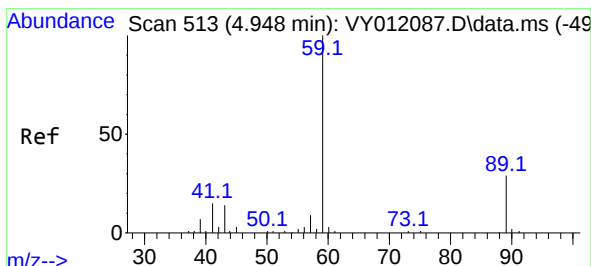
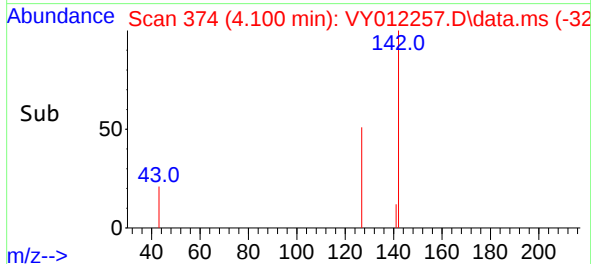
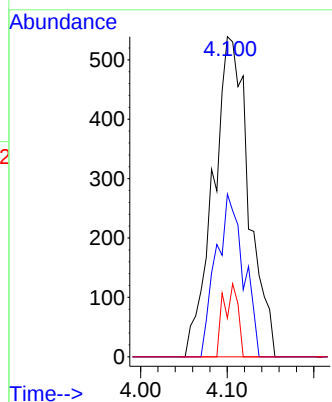


#10
Methyl Iodide
Concen: 2.359 ug/l
RT: 4.100 min Scan# 31
Delta R.T. 0.005 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208RE

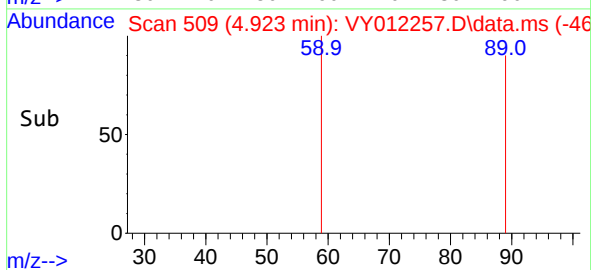
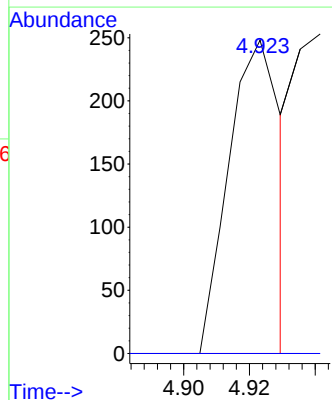
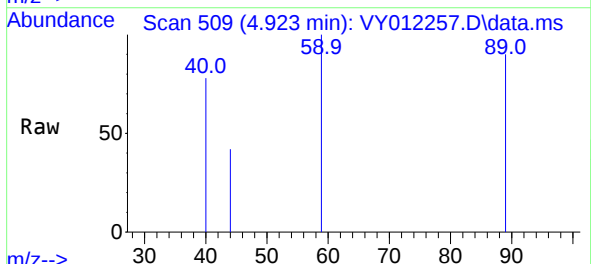


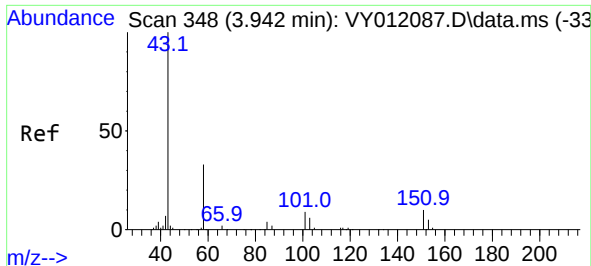
Tgt Ion:142 Resp: 1530
Ion Ratio Lower Upper
142 100
127 39.4 37.0 55.4
141 9.2 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.923 min Scan# 509
Delta R.T. -0.025 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

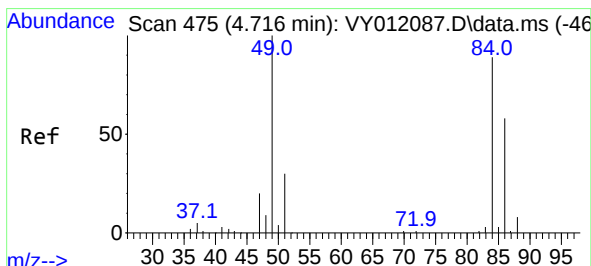
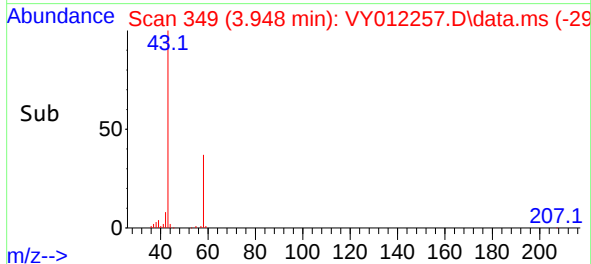
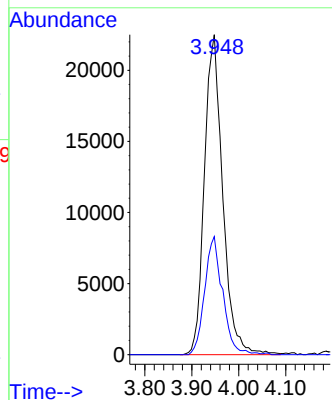
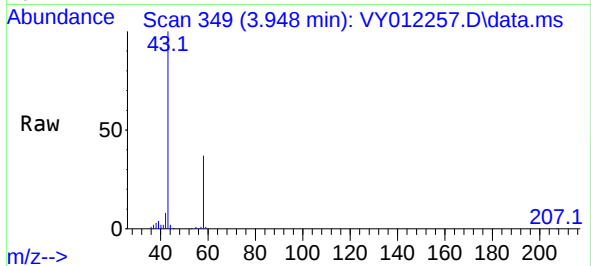




#16
Acetone
Concen: 457.873 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

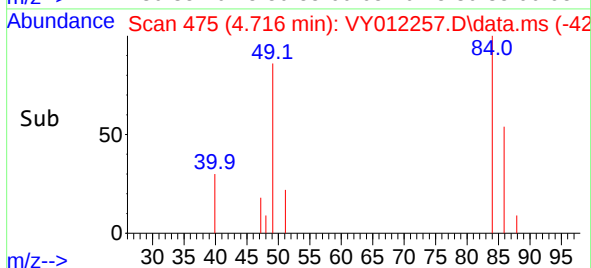
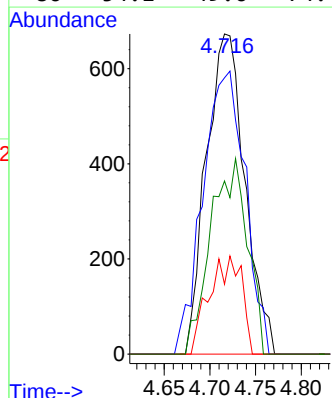
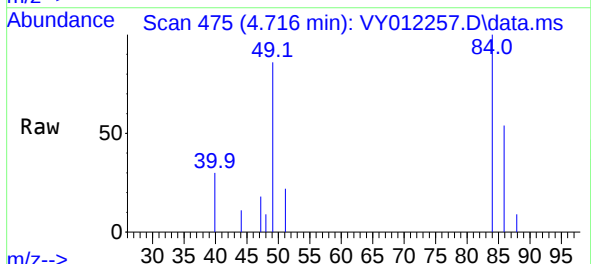
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208RE

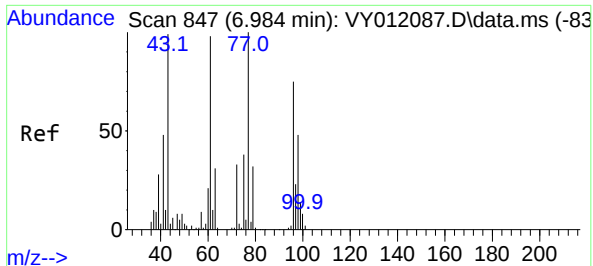
Tgt Ion: 43 Resp: 60834
Ion Ratio Lower Upper
43 100
58 36.9 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 84 Resp: 1977
Ion Ratio Lower Upper
84 100
49 86.3 95.4 143.2#
51 21.8 29.9 44.9#
86 54.1 49.6 74.4





#25

2-Butanone

Concen: 6.136 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY012257.D

Acq: 19 Jan 2023 11:53

Instrument :

MSVOA_Y

ClientSampleId :

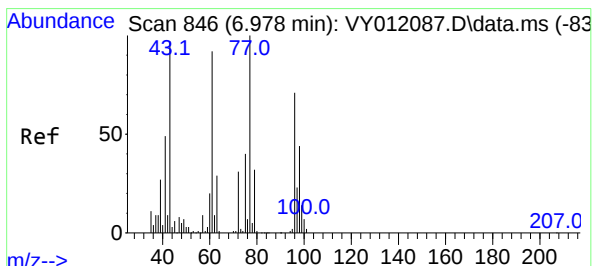
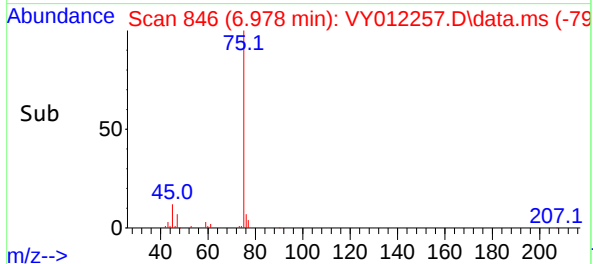
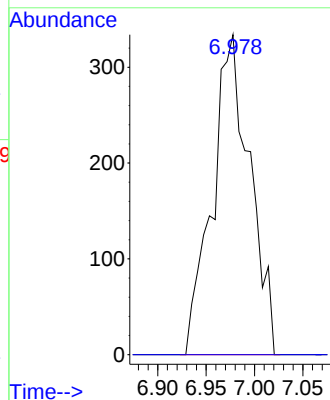
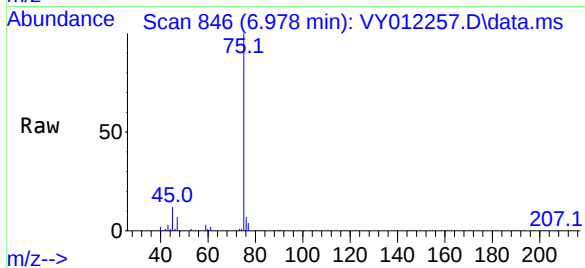
VNJ-208RE

Tgt Ion: 43 Resp: 900

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#26

2,2-Dichloropropane

Concen: 1.875 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY012257.D

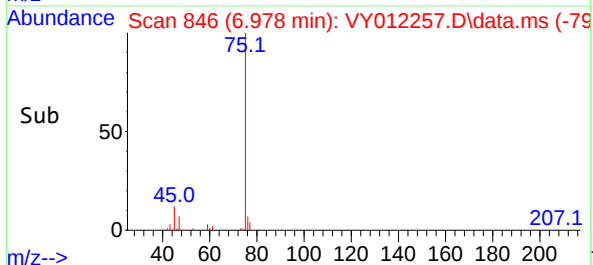
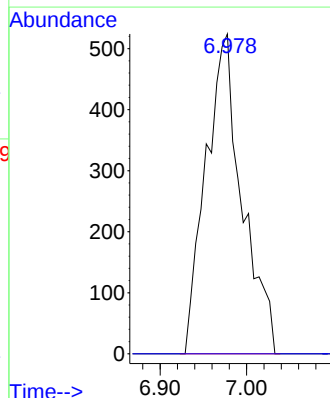
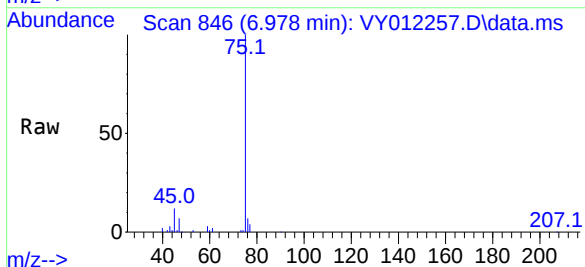
Acq: 19 Jan 2023 11:53

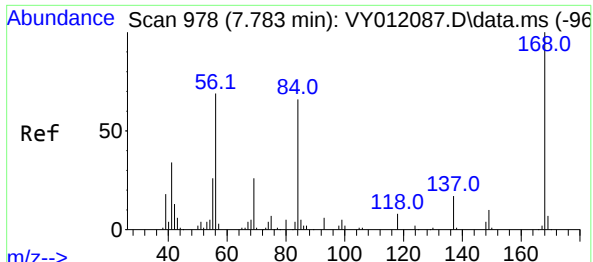
Tgt Ion: 77 Resp: 1525

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#

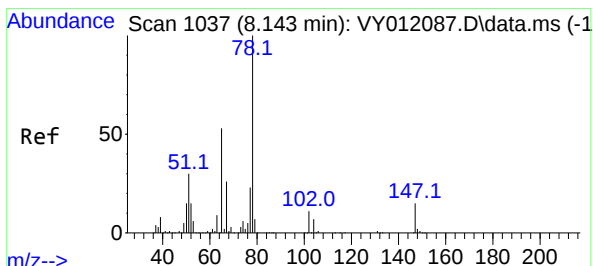
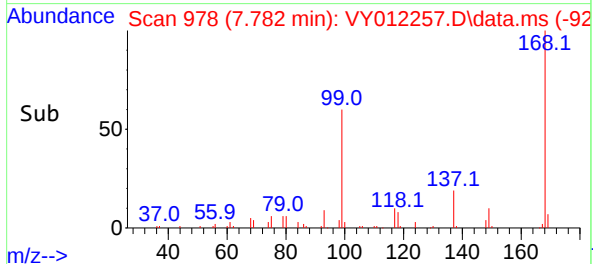
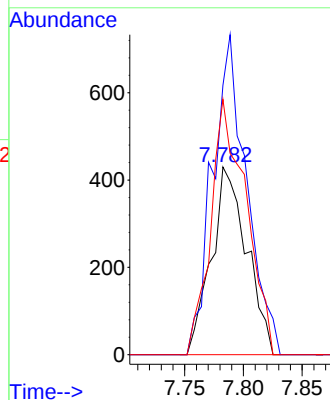
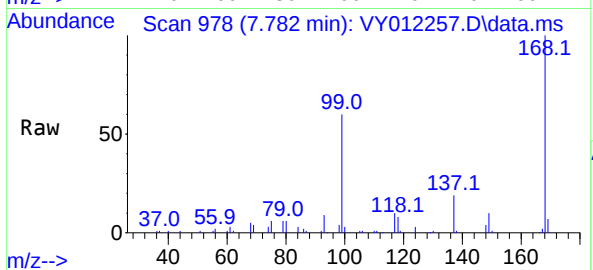




#31
Cyclohexane
Concen: 1.295 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

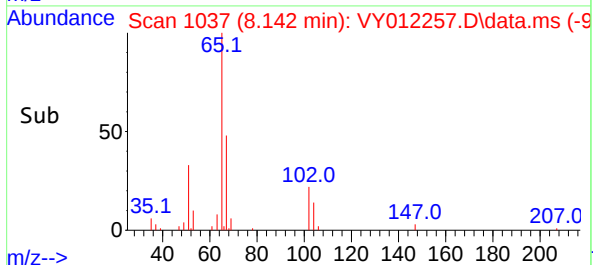
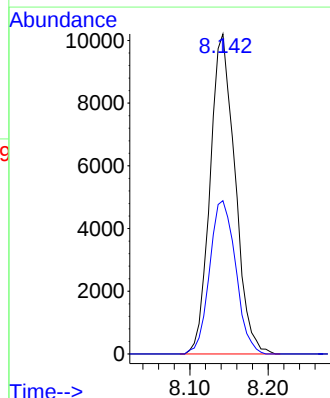
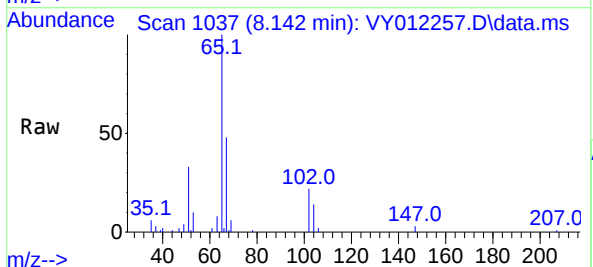
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208RE

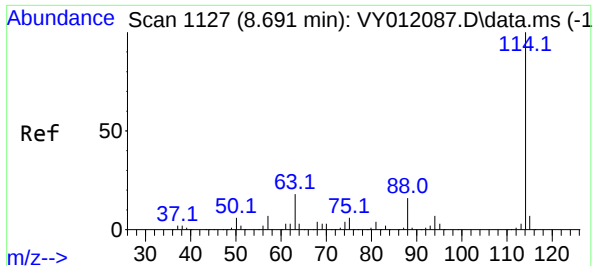
Tgt Ion: 56 Resp: 901
Ion Ratio Lower Upper
56 100
69 143.5 29.2 43.8#
84 136.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 57.649 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 65 Resp: 22562
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012257.D

Acq: 19 Jan 2023 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-208RE

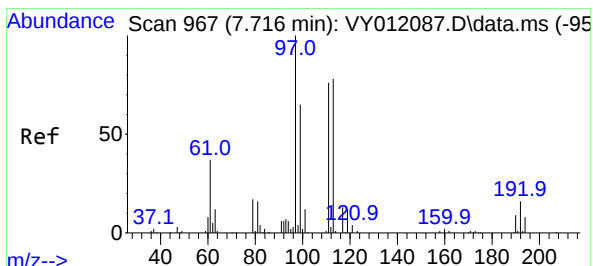
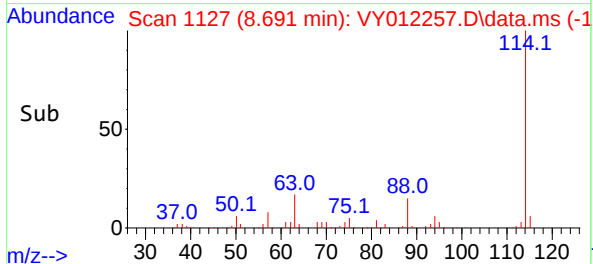
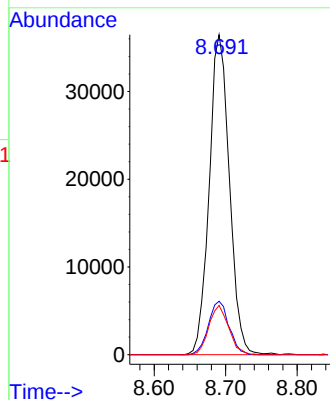
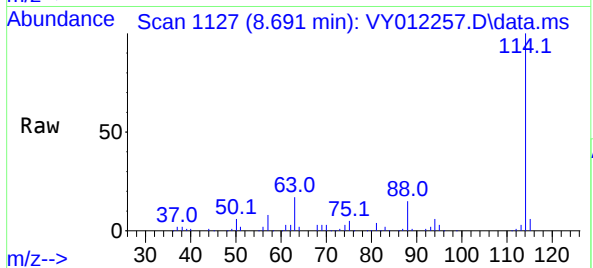
Tgt Ion:114 Resp: 71477

Ion Ratio Lower Upper

114 100

63 16.7 0.0 39.6

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 56.271 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY012257.D

Acq: 19 Jan 2023 11:53

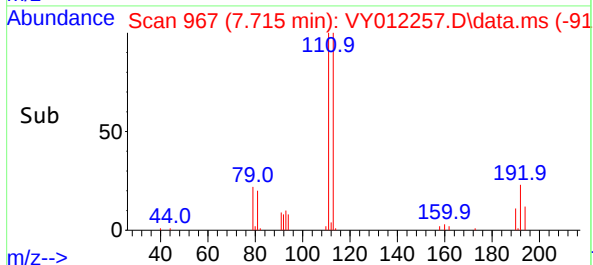
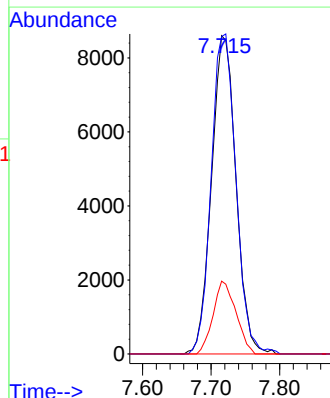
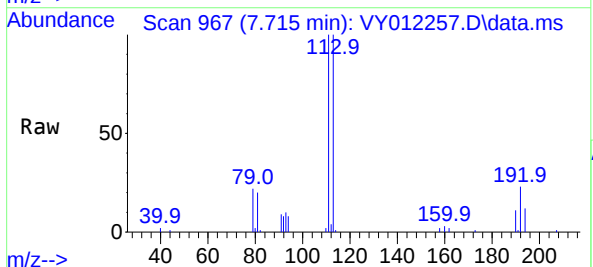
Tgt Ion:113 Resp: 21297

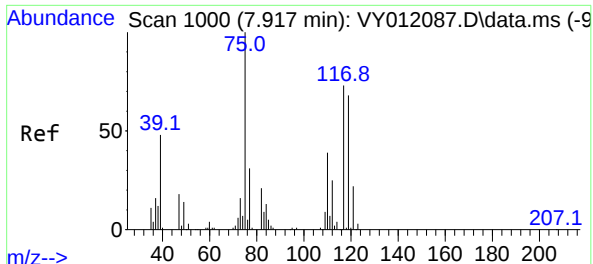
Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.4

192 21.3 16.0 24.0

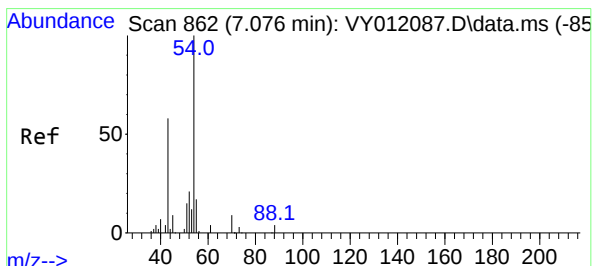
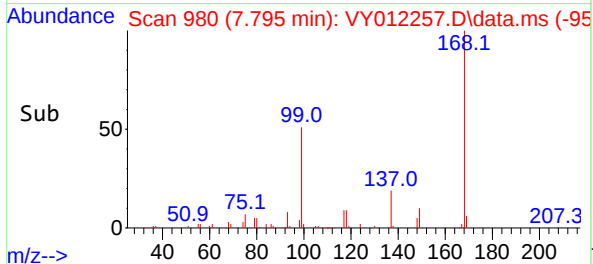
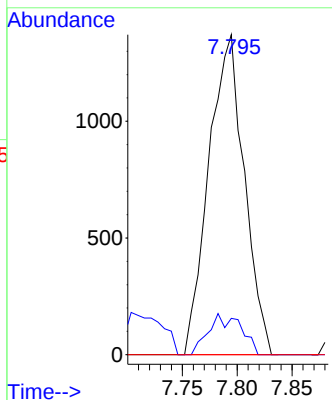
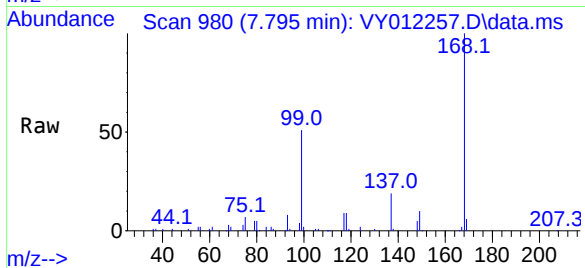




#36
1,1-Dichloropropene
Concen: 4.807 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

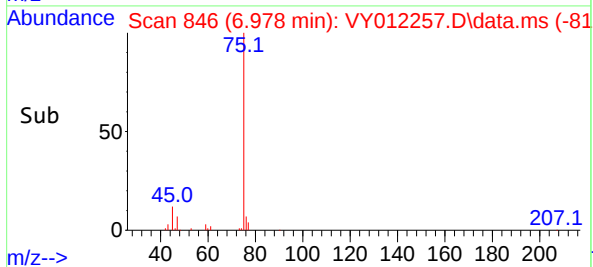
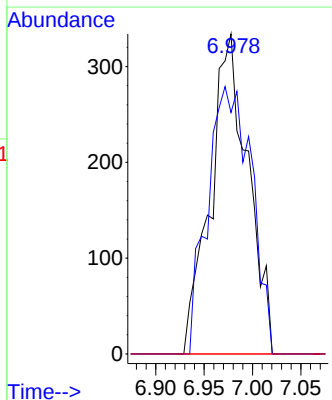
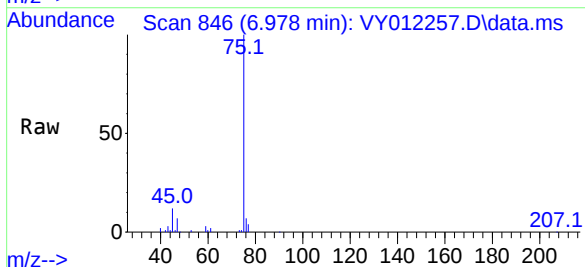
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208RE

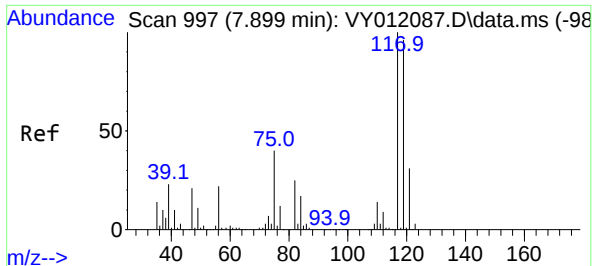
Tgt Ion: 75 Resp: 3092
Ion Ratio Lower Upper
75 100
110 11.8 18.1 54.1#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 3.174 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.098 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

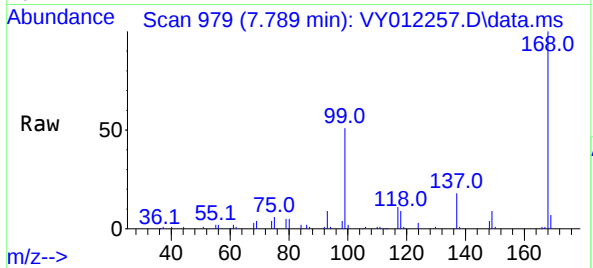
Tgt Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
61 97.7 11.3 16.9#
70 0.0 8.2 12.4#



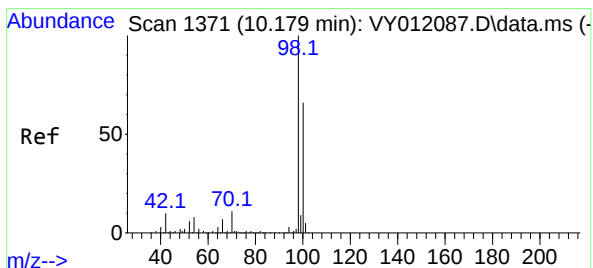
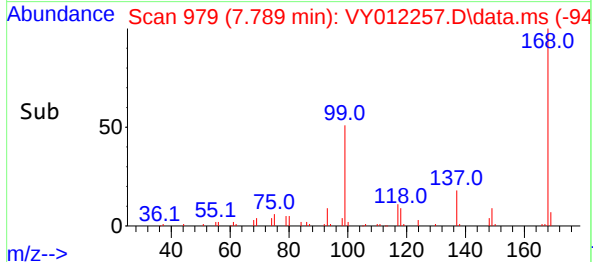
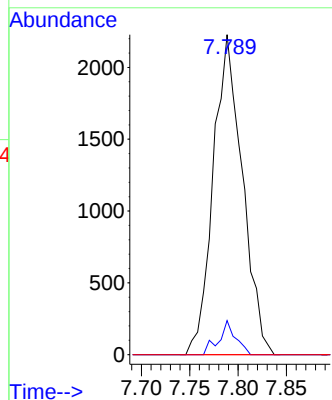


#38
Carbon Tetrachloride
Concen: 5.623 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208RE

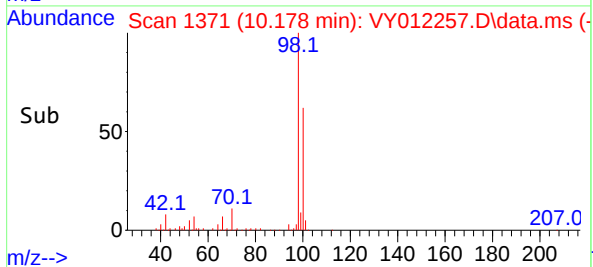
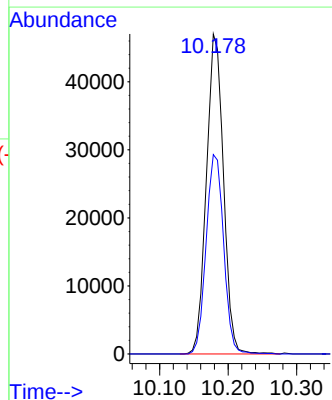
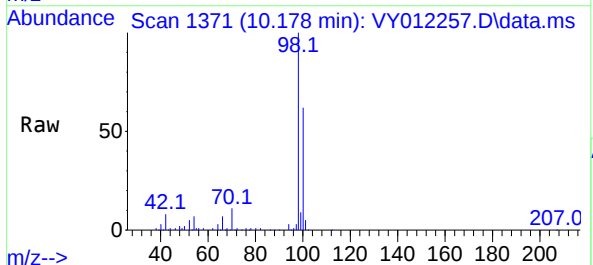


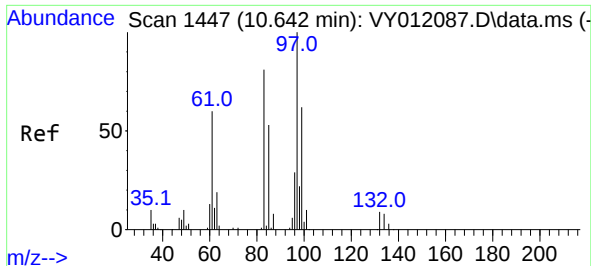
Tgt Ion:117 Resp: 4671
Ion Ratio Lower Upper
117 100
119 10.6 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 63.327 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 98 Resp: 81529
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



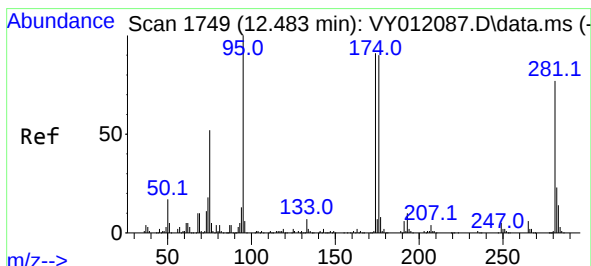
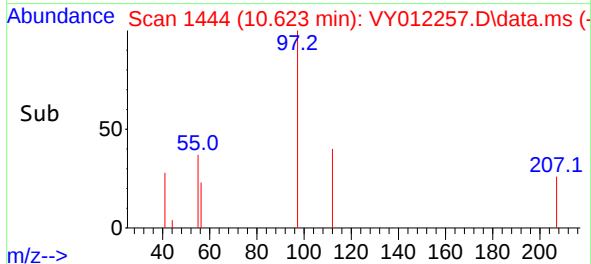
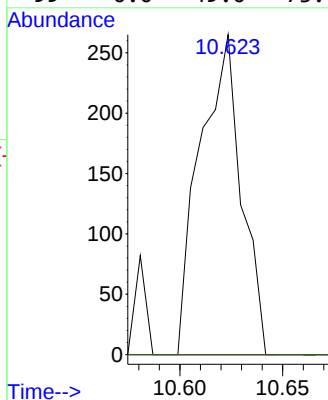
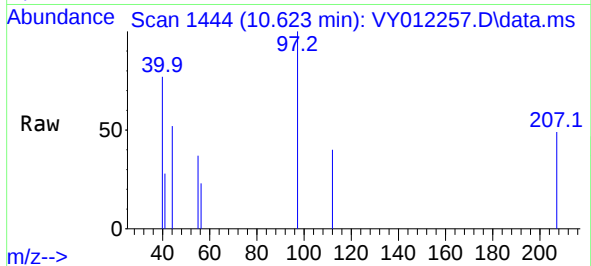


#55
1,1,2-Trichloroethane
Concen: 1.007 ug/l
RT: 10.623 min Scan# 1444
Delta R.T. -0.019 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208RE

Tgt Ion: 97 Resp: 371

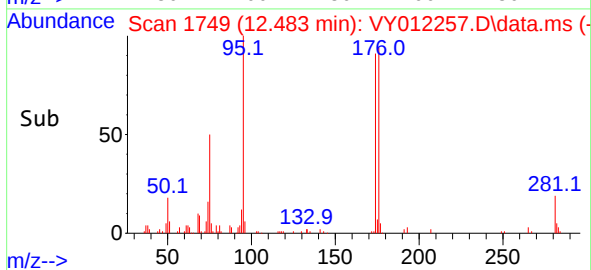
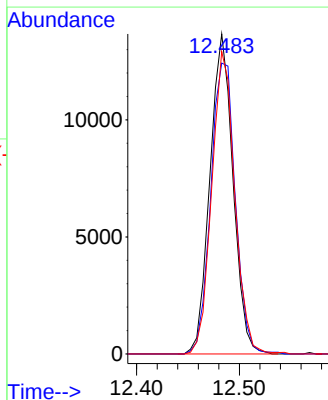
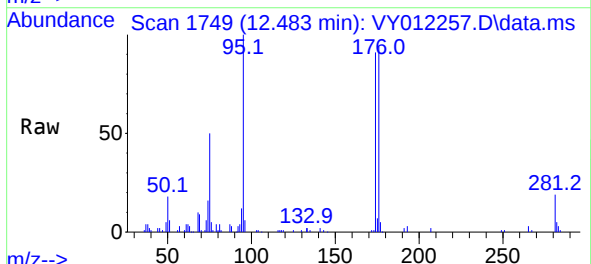
Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.7	101.5#
85	0.0	43.8	65.8#
99	0.0	49.0	73.4#

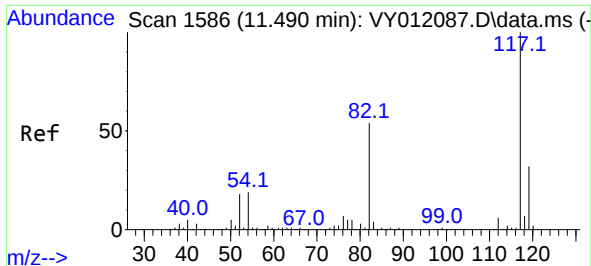


#62
4-Bromofluorobenzene
Concen: 39.968 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 95 Resp: 21324

Ion	Ratio	Lower	Upper
95	100		
174	96.8	0.0	172.0
176	94.1	0.0	167.6

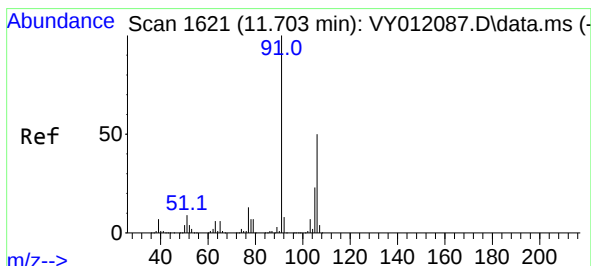
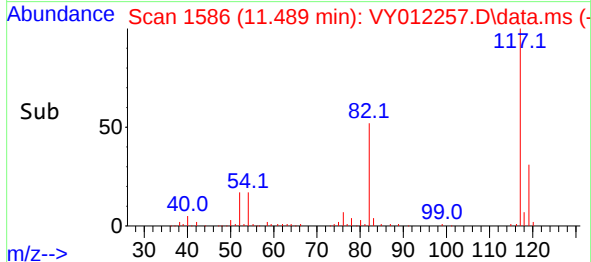
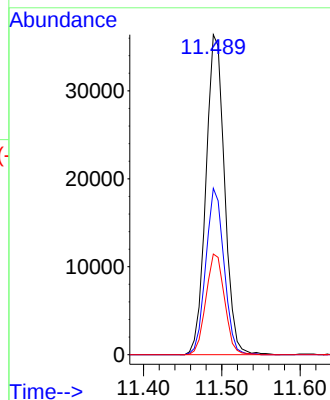
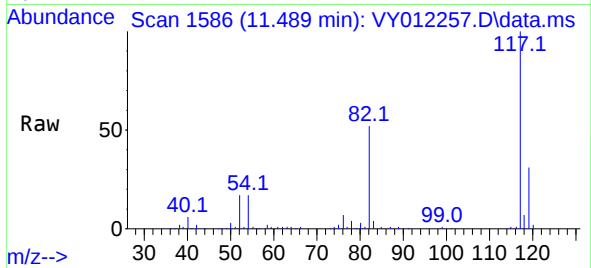




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

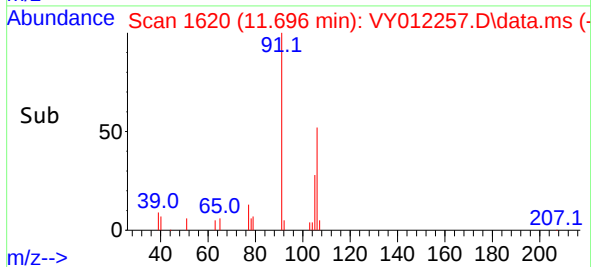
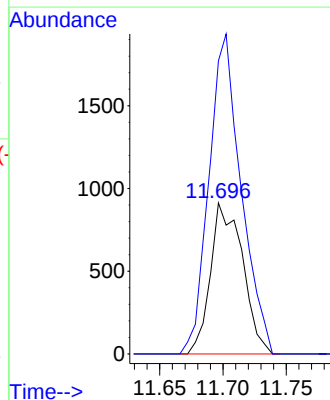
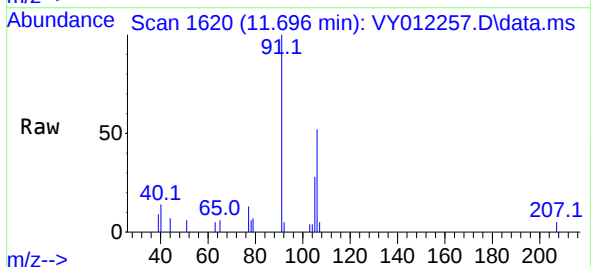
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208RE

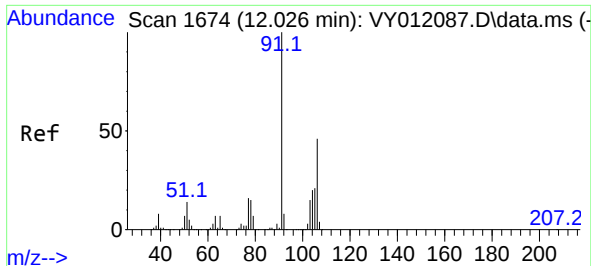
Tgt Ion:117 Resp: 59959
Ion Ratio Lower Upper
117 100
82 52.0 44.8 67.2
119 31.4 25.4 38.2



#68
m/p-Xylenes
Concen: 1.850 ug/l
RT: 11.696 min Scan# 1620
Delta R.T. -0.007 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

Tgt Ion:106 Resp: 1604
Ion Ratio Lower Upper
106 100
91 213.4 162.5 243.7

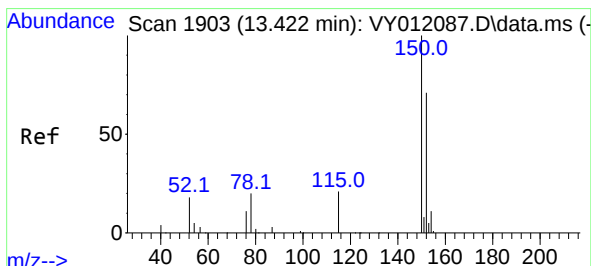
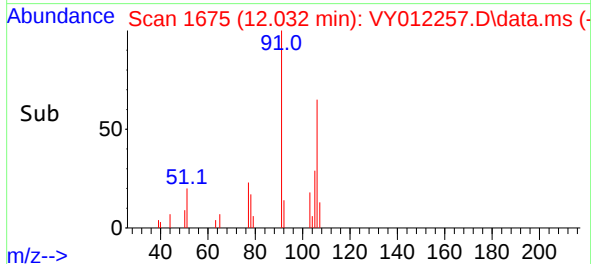
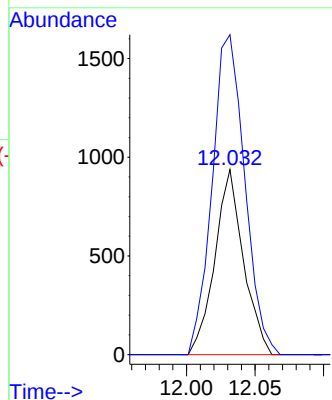
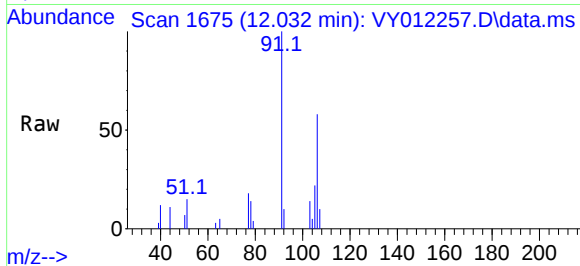




#69
o-Xylene
Concen: 1.644 ug/l
RT: 12.032 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

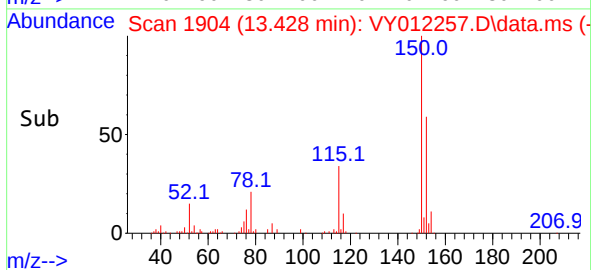
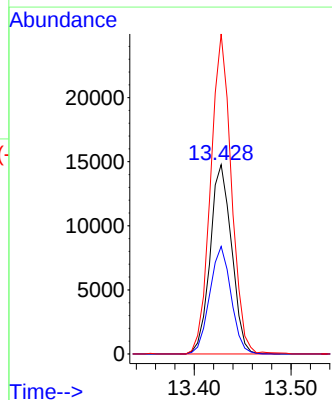
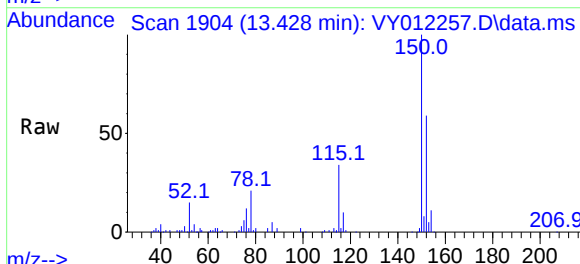
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208RE

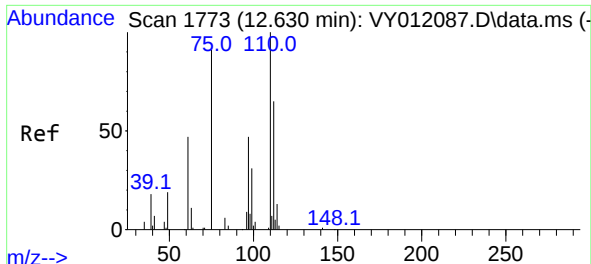
Tgt Ion:106 Resp: 1361
Ion Ratio Lower Upper
106 100
91 196.8 107.5 322.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

Tgt Ion:152 Resp: 22779
Ion Ratio Lower Upper
152 100
115 56.4 29.1 87.3
150 163.7 0.0 342.6

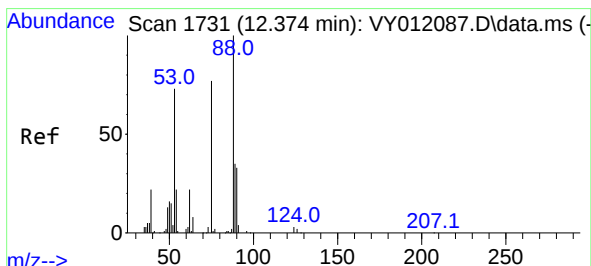
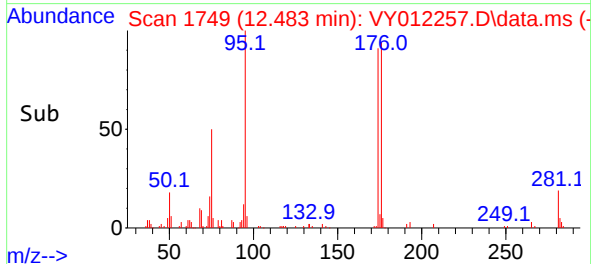
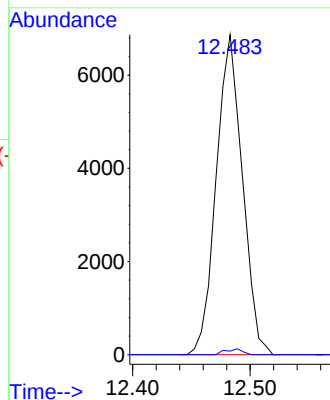
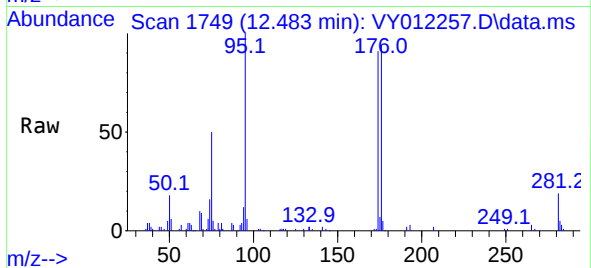




#76
1,2,3-Trichloropropane
Concen: 50.659 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

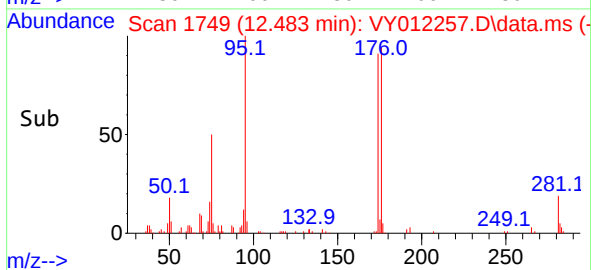
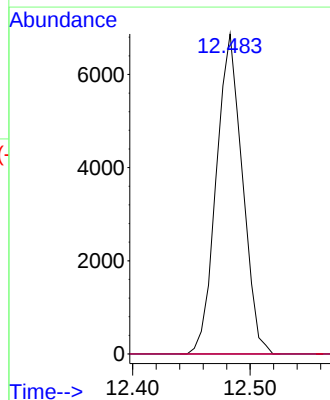
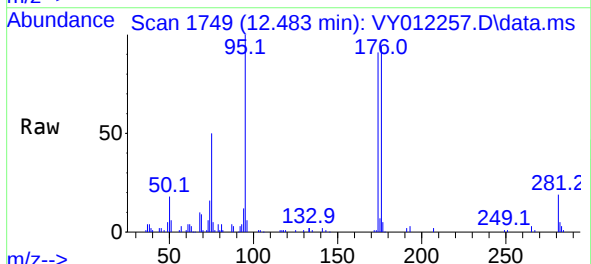
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208RE

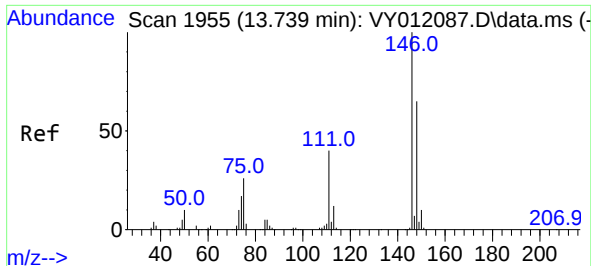
Tgt Ion: 75 Resp: 10611
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.379 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

Tgt Ion: 75 Resp: 10611
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#91

1,2-Dichlorobenzene

Concen: 1.095 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY012257.D

Acq: 19 Jan 2023 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-208RE

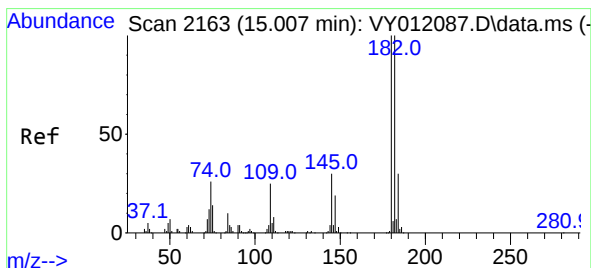
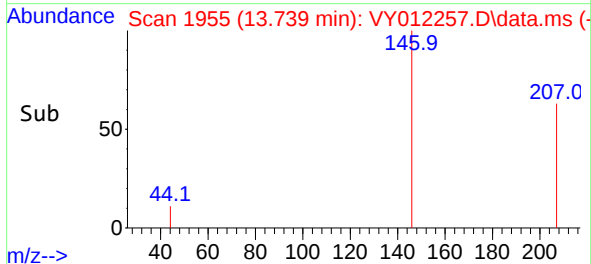
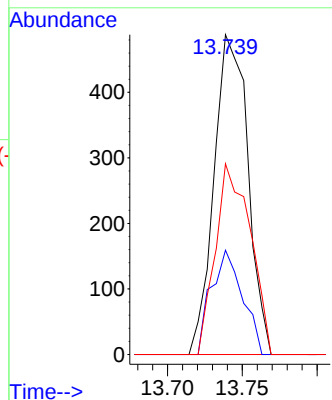
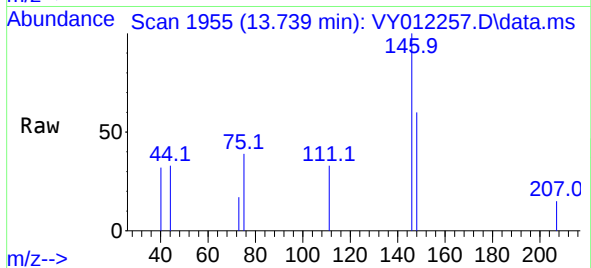
Tgt Ion:146 Resp: 768

Ion Ratio Lower Upper

146 100

111 30.1 20.3 60.8

148 61.6 31.8 95.4



#93

1,2,4-Trichlorobenzene

Concen: 1.175 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY012257.D

Acq: 19 Jan 2023 11:53

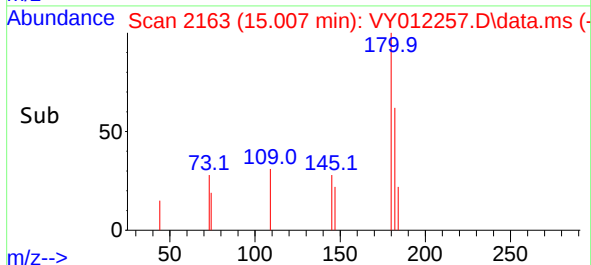
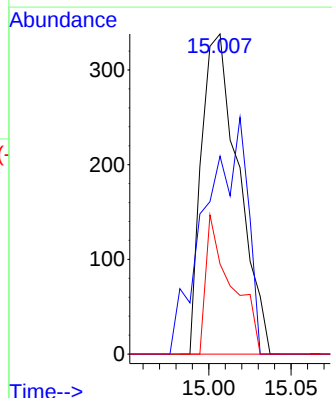
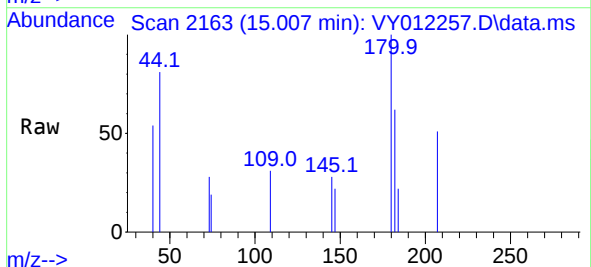
Tgt Ion:180 Resp: 528

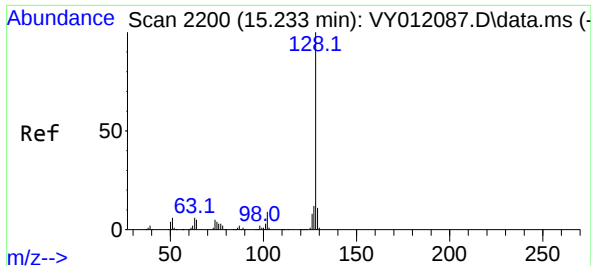
Ion Ratio Lower Upper

180 100

182 83.1 48.1 144.3

145 30.5 15.4 46.4

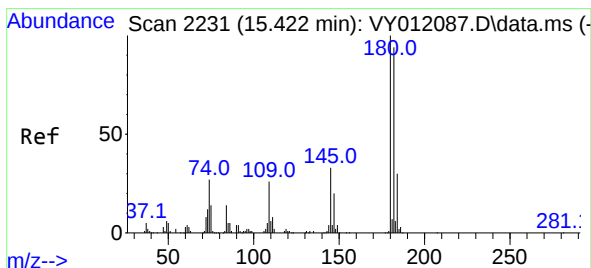
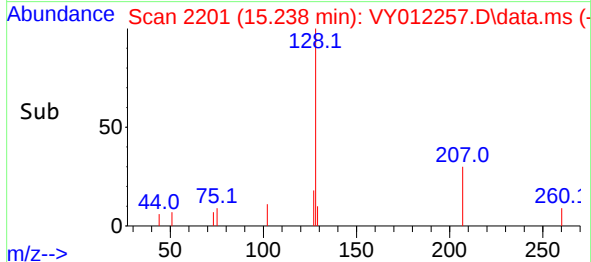
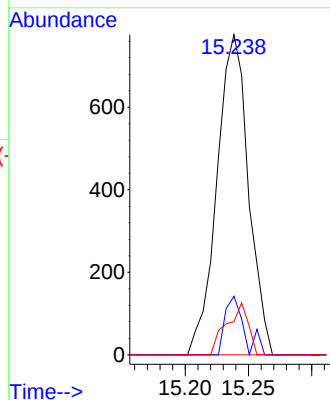
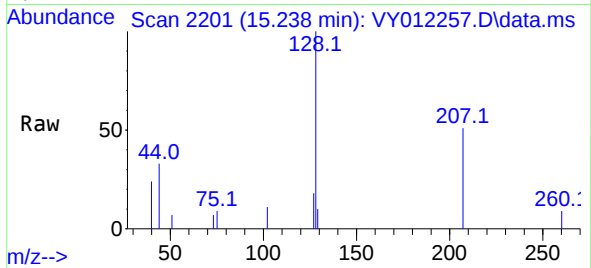




#95
Naphthalene
Concen: 1.517 ug/l
RT: 15.238 min Scan# 2200
Delta R.T. 0.005 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208RE

Tgt Ion:	128	Resp:	1346
Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.2	15.2
129	11.1	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.241 ug/l
RT: 15.434 min Scan# 2233
Delta R.T. 0.012 min
Lab File: VY012257.D
Acq: 19 Jan 2023 11:53

Tgt Ion:	180	Resp:	480
Ion	Ratio	Lower	Upper
180	100		
182	121.7	47.9	143.7
145	34.0	16.1	48.2

