

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011823\
 Data File : VY012247.D
 Acq On : 18 Jan 2023 15:40
 Operator : KP/MD
 Sample : 01179-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-208

Quant Time: Jan 19 00:36:14 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)

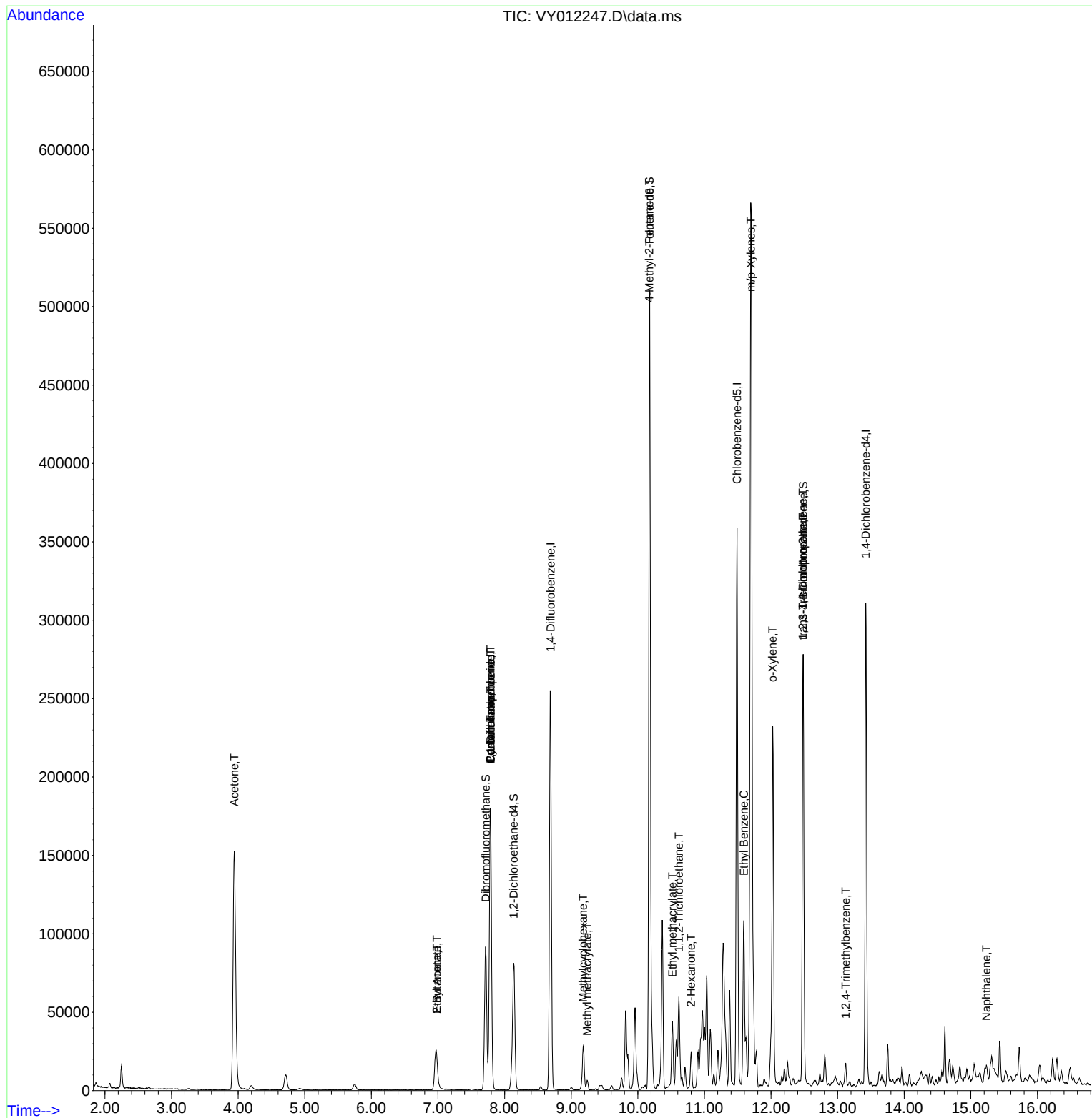
Internal Standards						
1) Pentafluorobenzene	7.789	168	147982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	231975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	201622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	82482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	62184	50.756	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.520%	
35) Dibromofluoromethane	7.716	113	64487	52.501	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.000%	
50) Toluene-d8	10.179	98	280327	67.374	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 134.740%	
62) 4-Bromofluorobenzene	12.483	95	79987	46.194	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.380%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	1319	Below Cal	#	74
16) Acetone	3.942	43	261611	634.880	ug/l	99
20) Methylene Chloride	4.710	84	8206	Below Cal		87
25) 2-Butanone	6.984	43	1652	3.631	ug/l #	71
31) Cyclohexane	7.789	56	2653	1.230	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10297	4.933	ug/l #	50
37) Ethyl Acetate	6.984	43	1652	1.795	ug/l #	4
38) Carbon Tetrachloride	7.789	117	14005	5.195	ug/l #	18
39) Methylcyclohexane	9.179	83	10601	4.156	ug/l	93
48) Methyl methacrylate	9.240	41	1176	1.491	ug/l #	36
51) 4-Methyl-2-Pentanone	10.173	43	4027	4.411	ug/l #	86
55) 1,1,2-Trichloroethane	10.618	97	24903	20.825	ug/l #	20
56) Ethyl methacrylate	10.520	69	5264	3.355	ug/l #	39
59) 2-Hexanone	10.801	43	8241	11.856	ug/l #	26
67) Ethyl Benzene	11.593	91	70895	9.616	ug/l	96
68) m/p-Xylenes	11.697	106	164801	56.534	ug/l	98
69) o-Xylene	12.026	106	57867	20.783	ug/l	100
76) 1,2,3-Trichloropropane	12.477	75	40954	53.997	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	40954	111.257	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	8017	1.572	ug/l	98
95) Naphthalene	15.233	128	8176	2.545	ug/l #	94

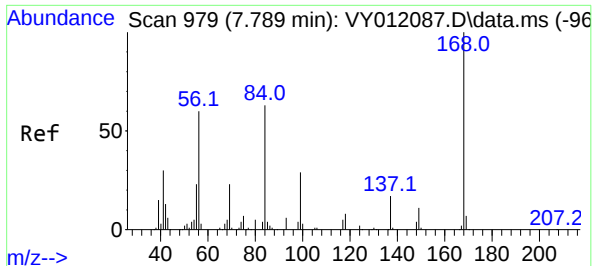
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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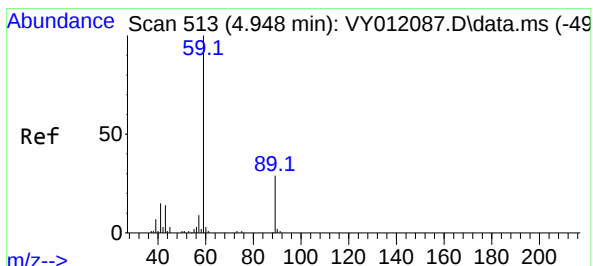
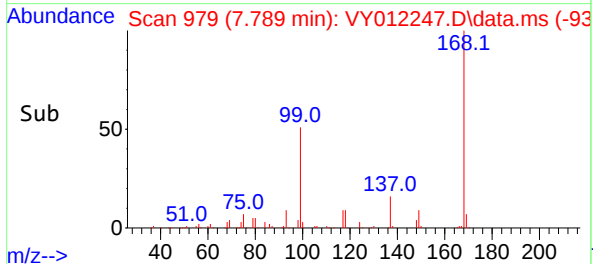
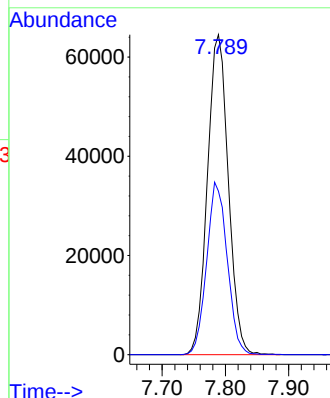
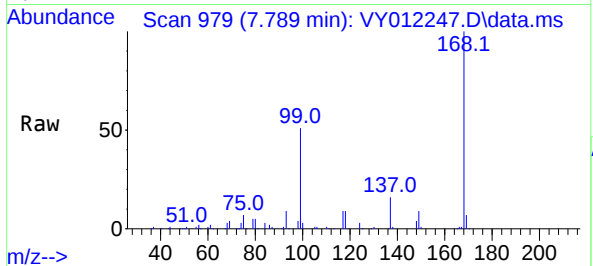




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

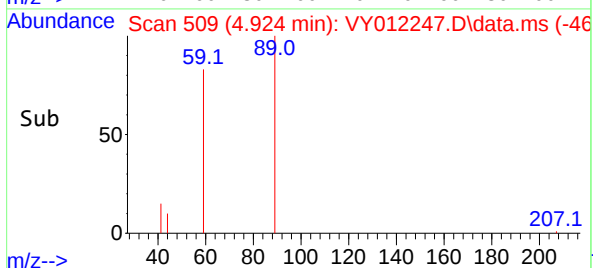
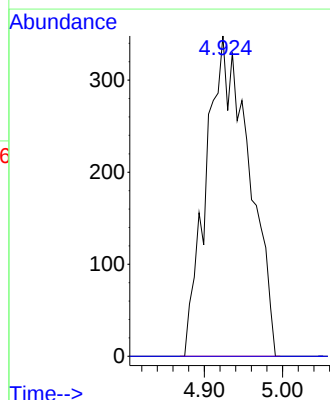
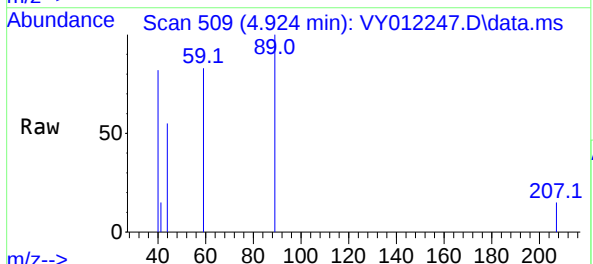
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

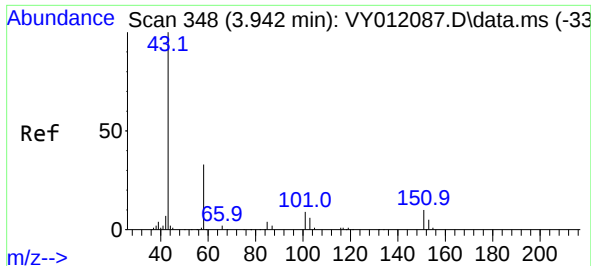
Tgt Ion:168 Resp: 147982
Ion Ratio Lower Upper
168 100
99 51.1 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

Tgt Ion: 59 Resp: 1319
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

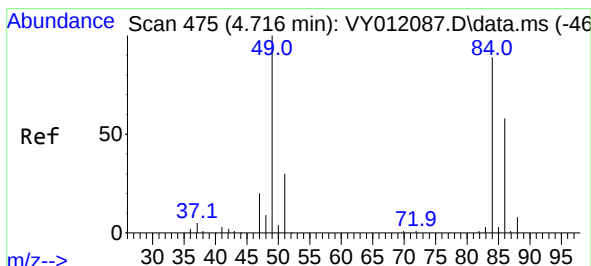
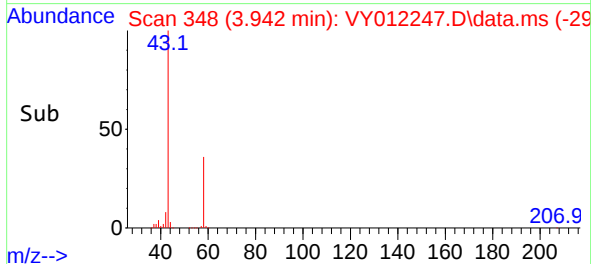
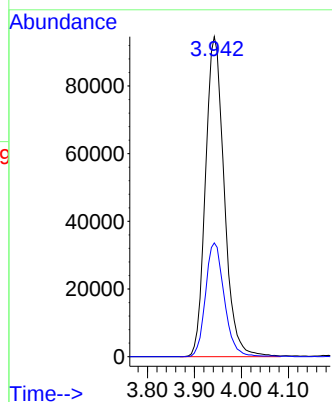
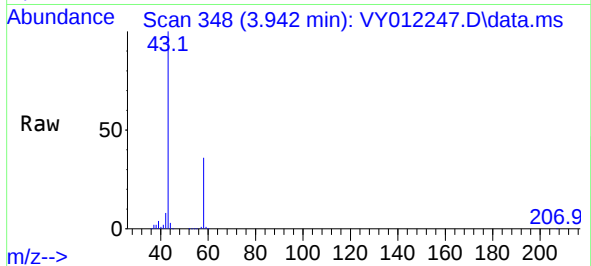




#16
Acetone
Concen: 634.880 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

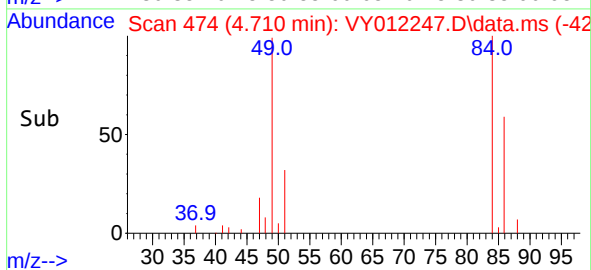
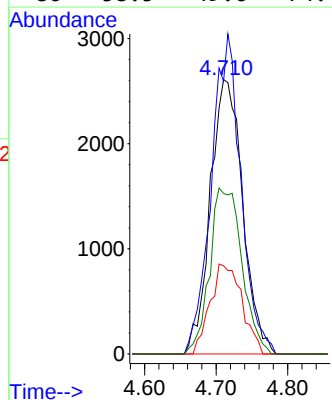
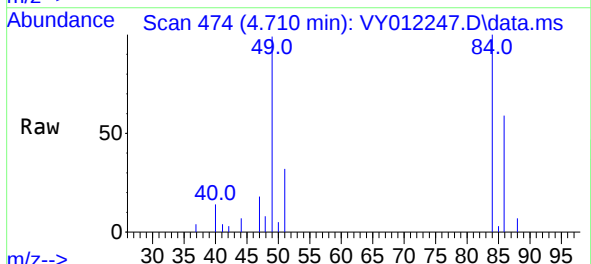
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

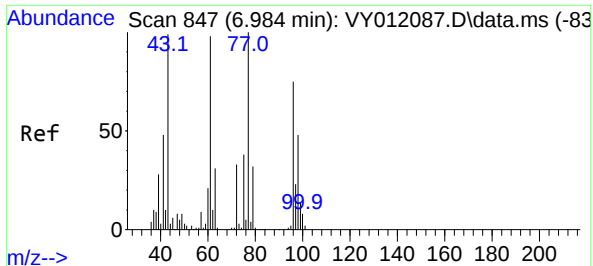
Tgt Ion: 43 Resp: 261611
Ion Ratio Lower Upper
43 100
58 35.5 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

Tgt Ion: 84 Resp: 8206
Ion Ratio Lower Upper
84 100
49 99.4 95.4 143.2
51 32.1 29.9 44.9
86 58.5 49.6 74.4





#25

2-Butanone

Concen: 3.631 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012247.D

Acq: 18 Jan 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :

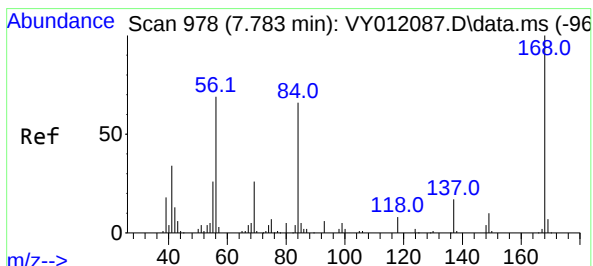
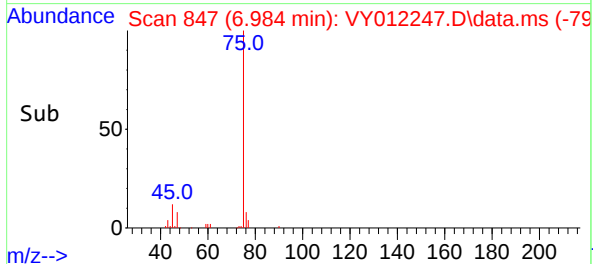
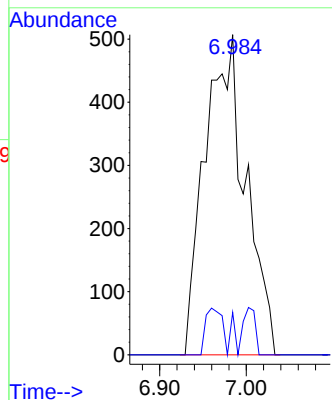
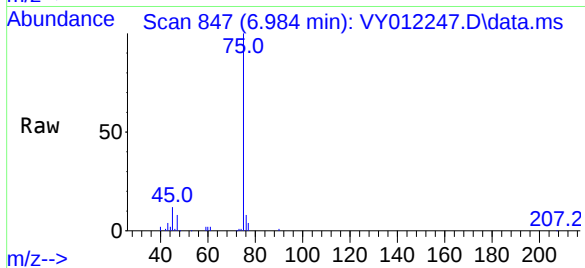
VNJ-208

Tgt Ion: 43 Resp: 1652

Ion Ratio Lower Upper

43 100

72 13.2 22.6 34.0#



#31

Cyclohexane

Concen: 1.230 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012247.D

Acq: 18 Jan 2023 15:40

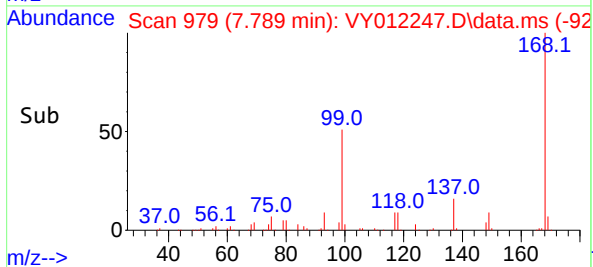
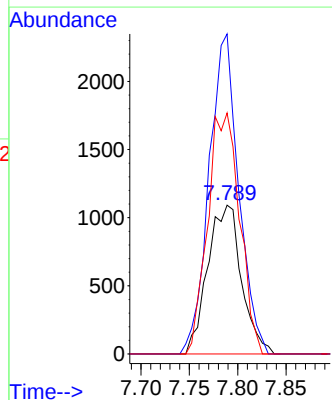
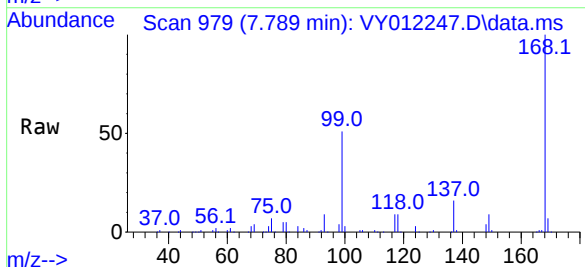
Tgt Ion: 56 Resp: 2653

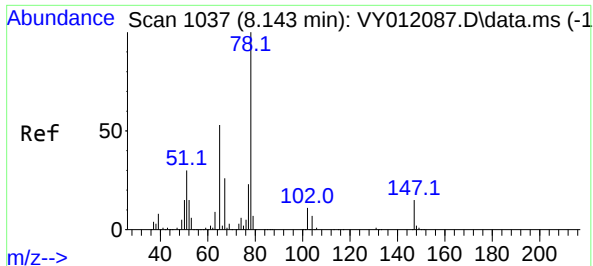
Ion Ratio Lower Upper

56 100

69 215.0 29.2 43.8#

84 161.9 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 50.756 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY012247.D

Acq: 18 Jan 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :

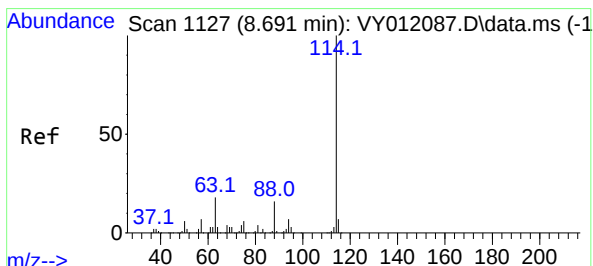
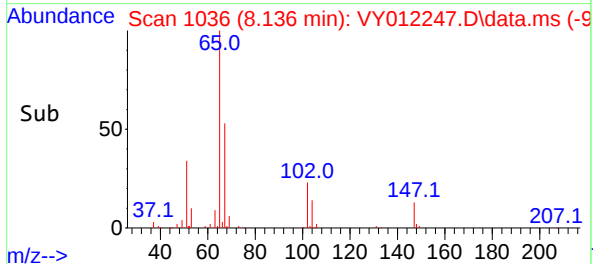
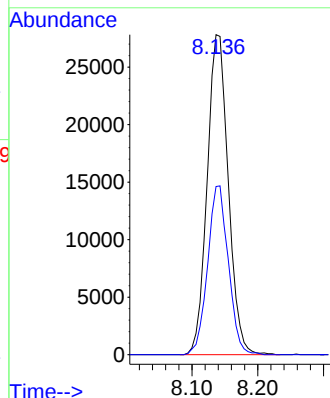
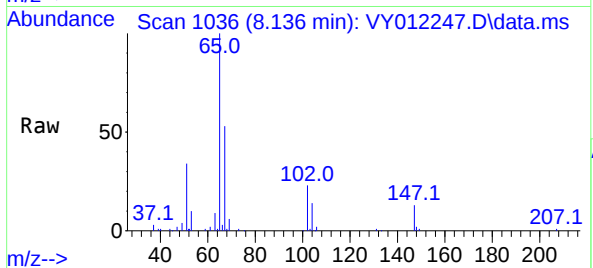
VNJ-208

Tgt Ion: 65 Resp: 62184

Ion Ratio Lower Upper

65 100

67 51.8 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: VY012247.D

Acq: 18 Jan 2023 15:40

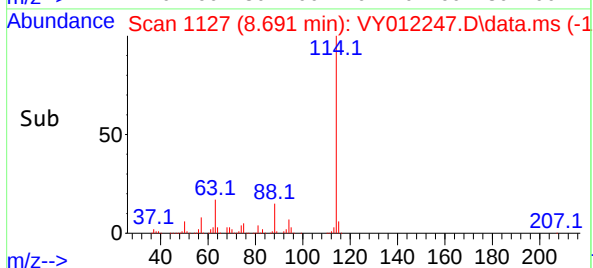
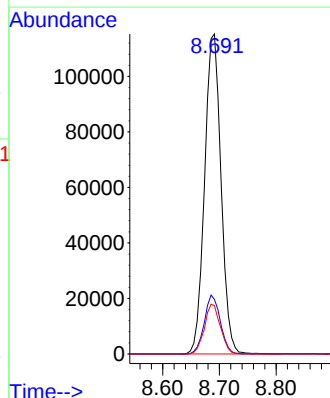
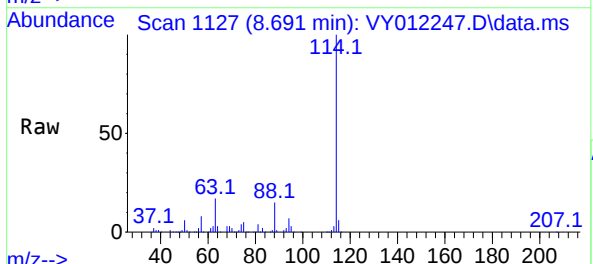
Tgt Ion: 114 Resp: 231975

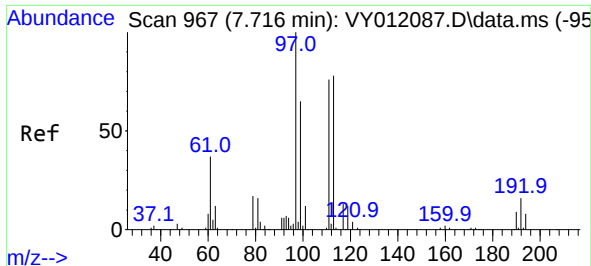
Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

88 15.1 0.0 32.2

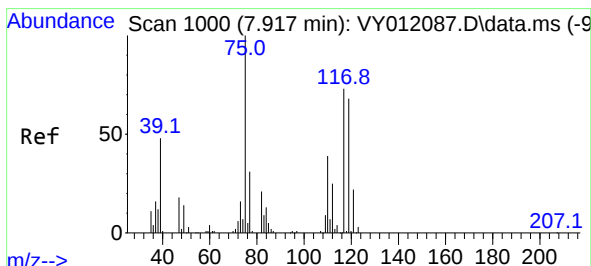
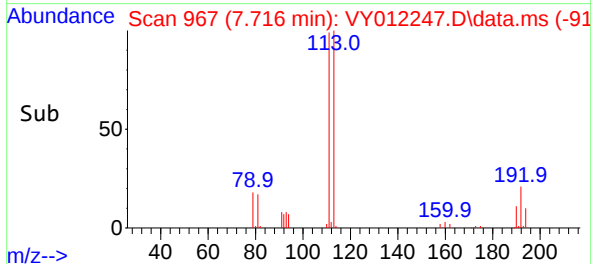
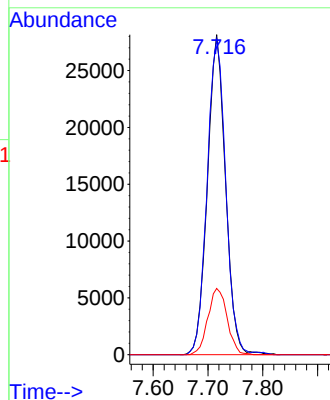
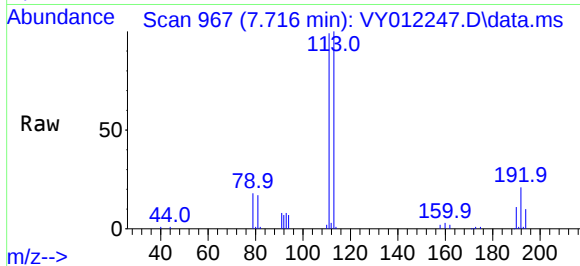




#35
Dibromofluoromethane
Concen: 52.501 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

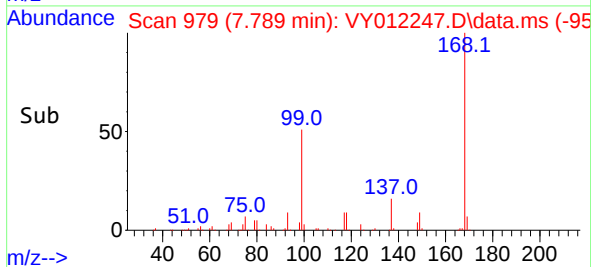
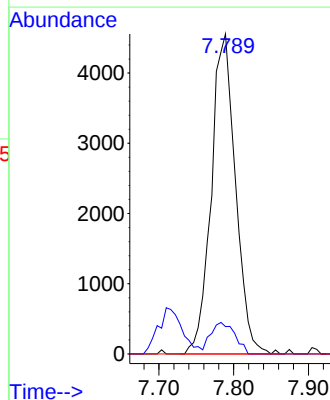
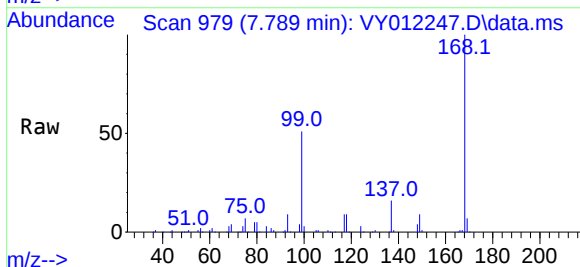
Instrument :
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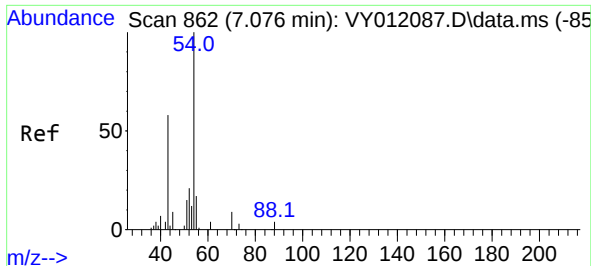
Tgt Ion:113 Resp: 64487
Ion Ratio Lower Upper
113 100
111 101.6 83.0 124.4
192 22.0 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.933 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

Tgt Ion: 75 Resp: 10297
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.795 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY012247.D

Acq: 18 Jan 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-208

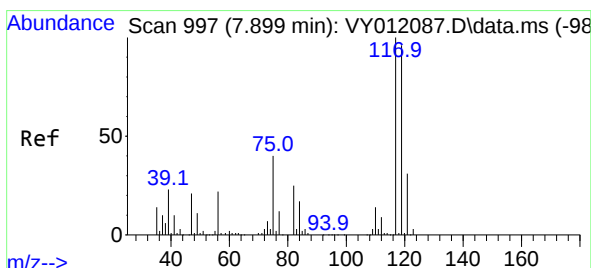
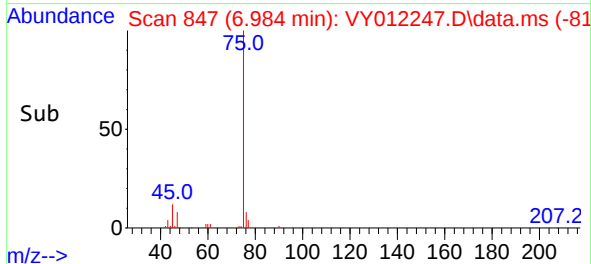
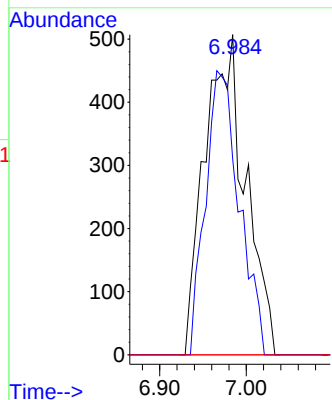
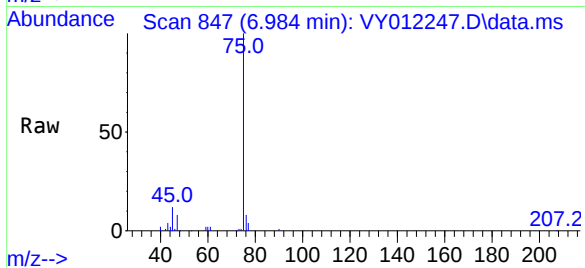
Tgt Ion: 43 Resp: 1652

Ion Ratio Lower Upper

43 100

61 73.8 11.3 16.9#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 5.195 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012247.D

Acq: 18 Jan 2023 15:40

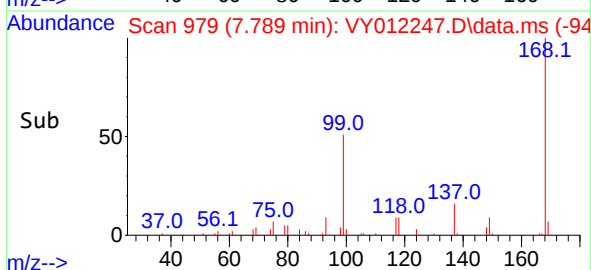
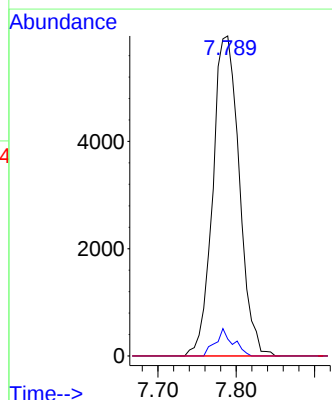
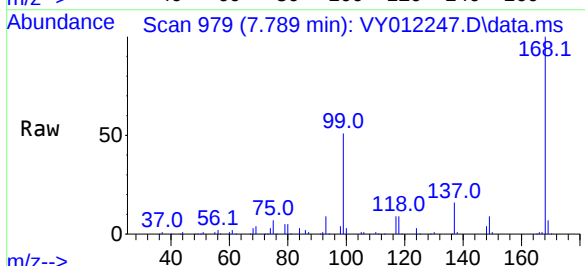
Tgt Ion: 117 Resp: 14005

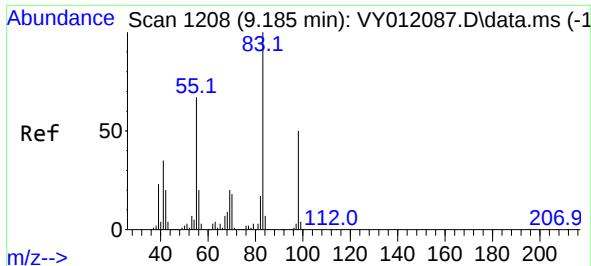
Ion Ratio Lower Upper

117 100

119 5.3 73.8 110.8#

121 0.0 25.2 37.8#

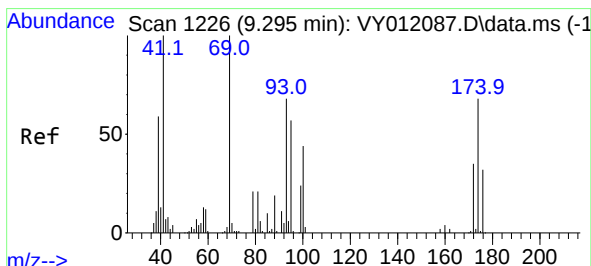
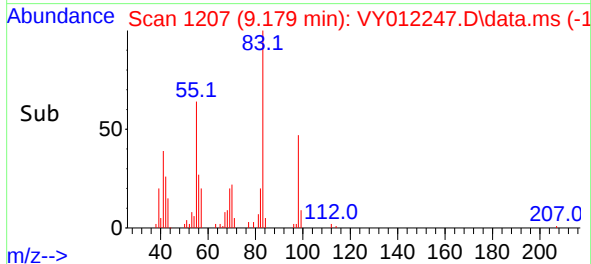
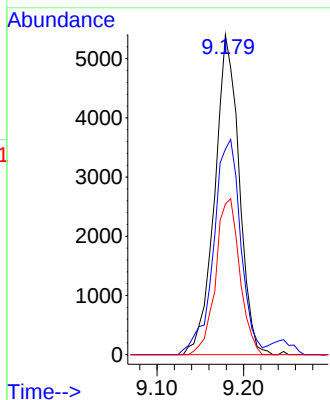
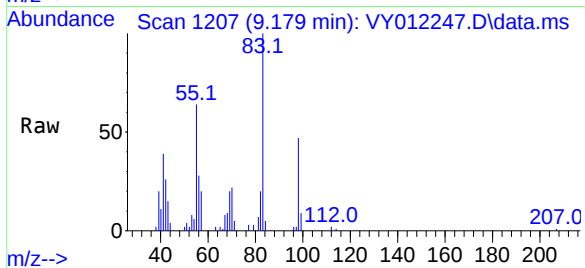




#39
Methylcyclohexane
Concen: 4.156 ug/l
RT: 9.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

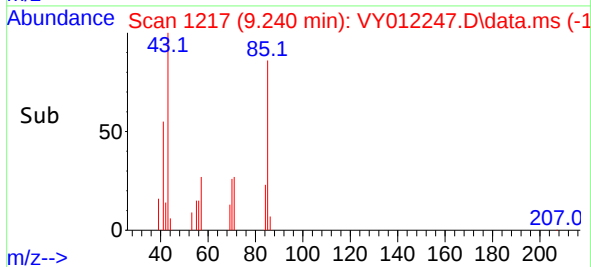
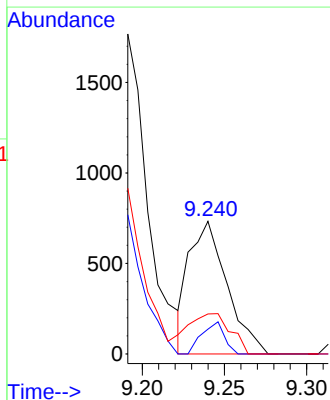
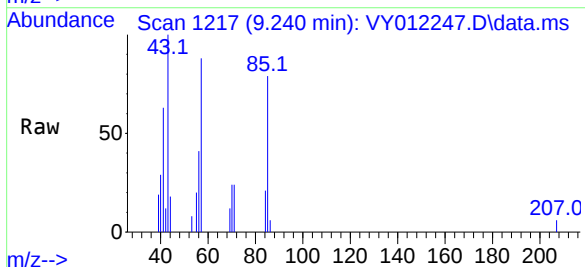
Instrument :
MSVOA_Y
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VNJ-208

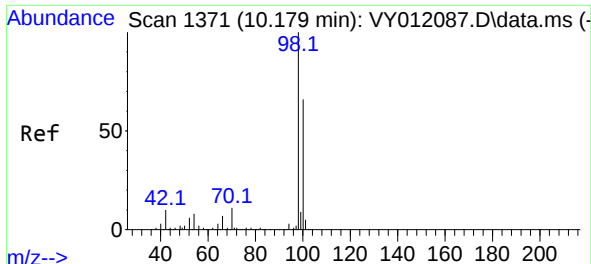
Tgt Ion: 83 Resp: 10601
Ion Ratio Lower Upper
83 100
55 64.2 58.2 87.2
98 47.1 38.6 58.0



#48
Methyl methacrylate
Concen: 1.491 ug/l
RT: 9.240 min Scan# 1217
Delta R.T. -0.055 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

Tgt Ion: 41 Resp: 1176
Ion Ratio Lower Upper
41 100
69 14.3 74.2 111.2#
39 32.2 46.3 69.5#

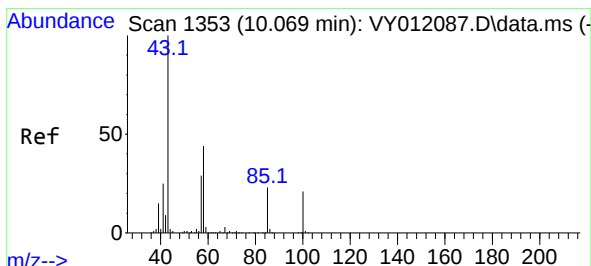
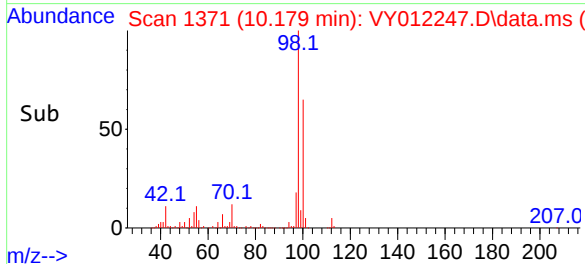
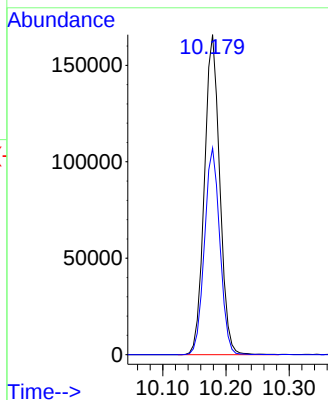
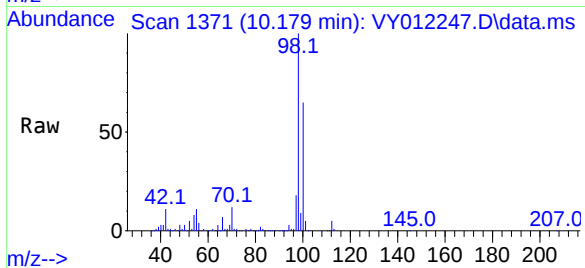




#50
Toluene-d8
Concen: 67.374 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

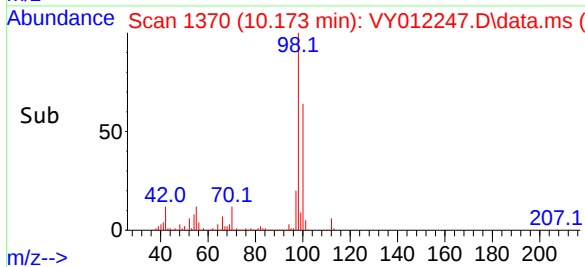
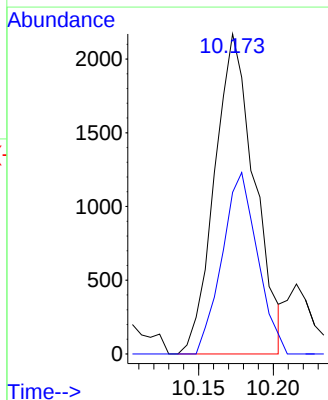
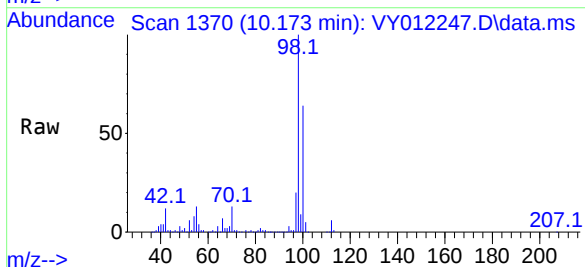
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

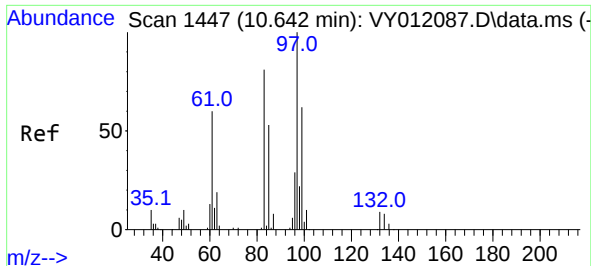
Tgt Ion: 98 Resp: 280327
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 4.411 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.104 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

Tgt Ion: 43 Resp: 4027
Ion Ratio Lower Upper
43 100
58 50.1 32.9 49.3#

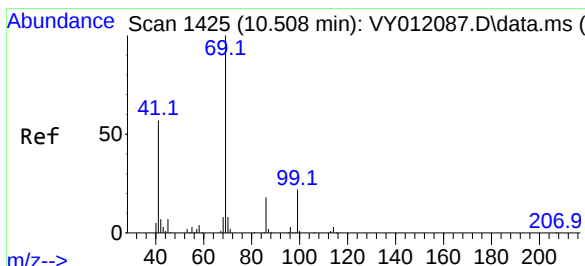
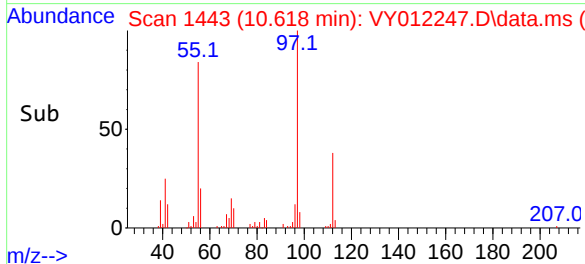
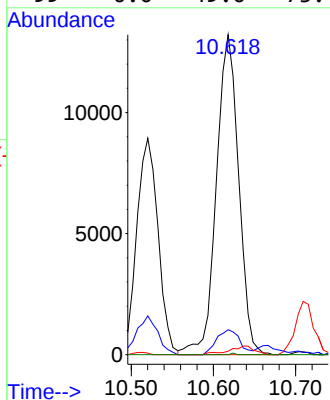
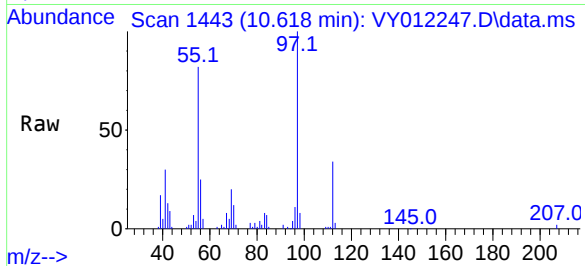




#55
1,1,2-Trichloroethane
Concen: 20.825 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

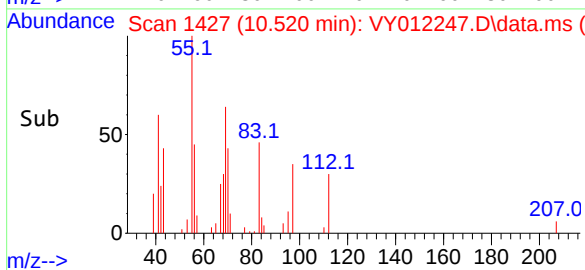
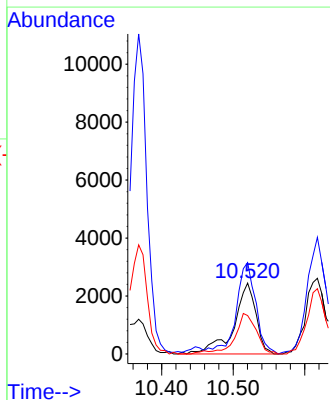
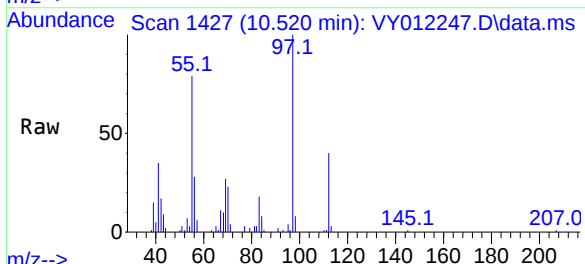
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

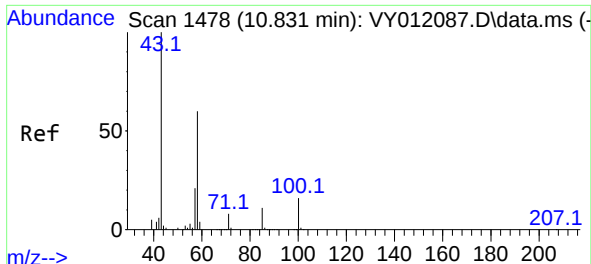
Tgt Ion: 97	Resp: 24903
Ion Ratio	Lower Upper
97 100	
83 7.8	67.7 101.5#
85 1.1	43.8 65.8#
99 0.0	49.0 73.4#



#56
Ethyl methacrylate
Concen: 3.355 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.012 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

Tgt Ion: 69	Resp: 5264		
Ion Ratio	Lower	Upper	
69 100			
41 115.1	48.9	73.3#	
39 55.6	25.9	38.9#	

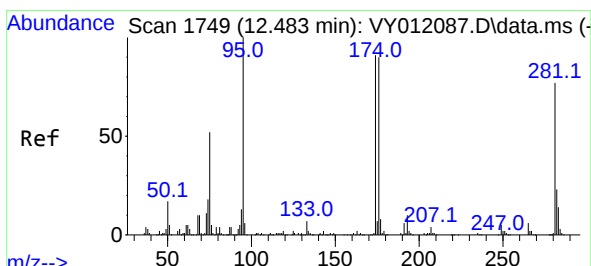
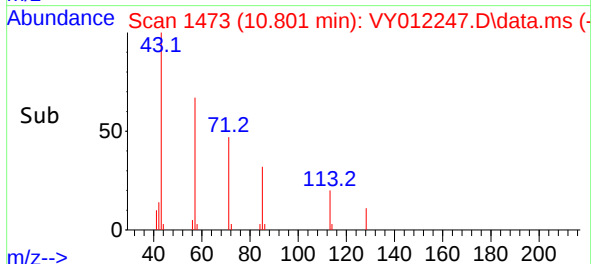
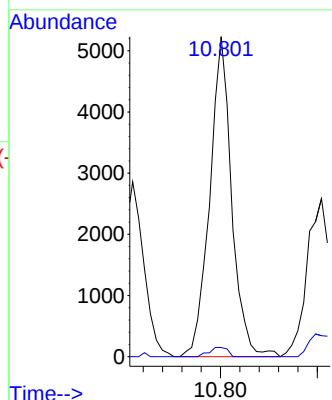
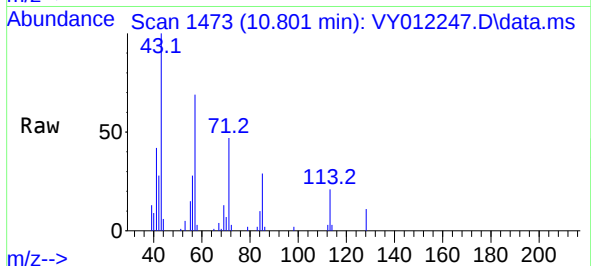




#59
2-Hexanone
Concen: 11.856 ug/l
RT: 10.801 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

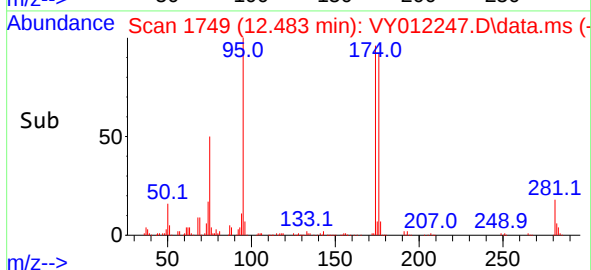
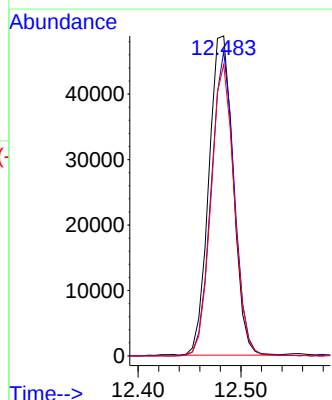
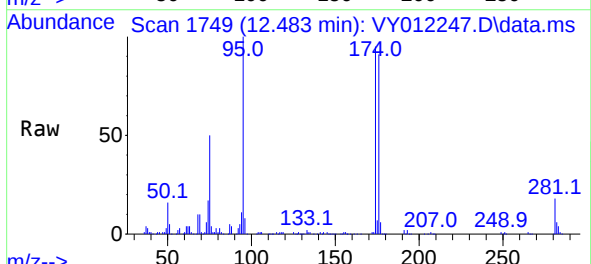
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

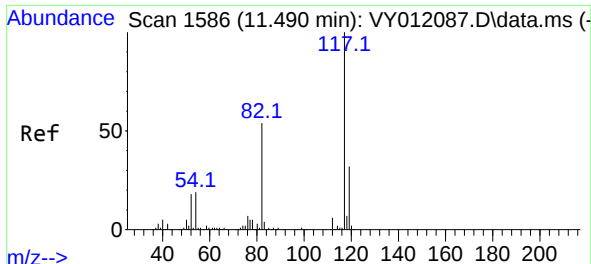
Tgt Ion: 43 Resp: 8241
Ion Ratio Lower Upper
43 100
58 2.5 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 46.194 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

Tgt Ion: 95 Resp: 79987
Ion Ratio Lower Upper
95 100
174 90.8 0.0 172.0
176 87.2 0.0 167.6

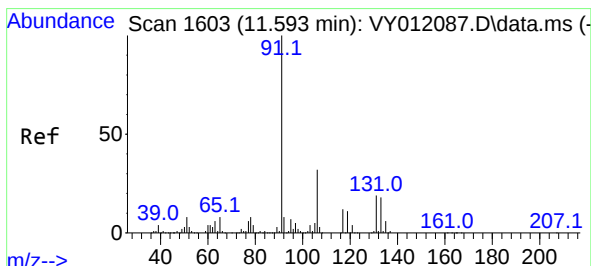
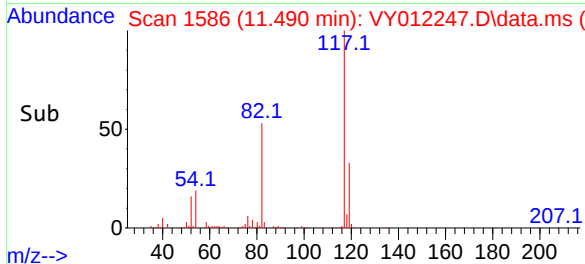
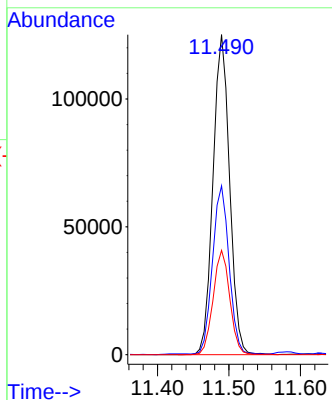
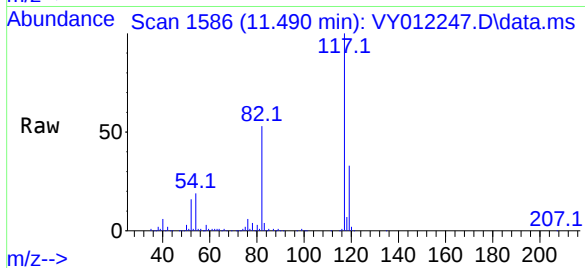




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

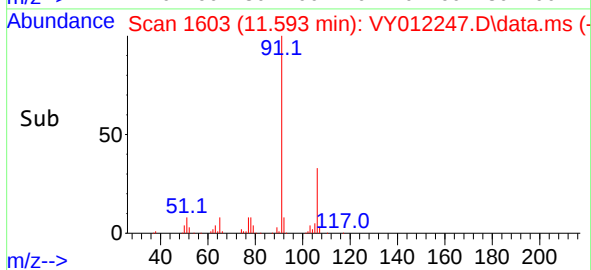
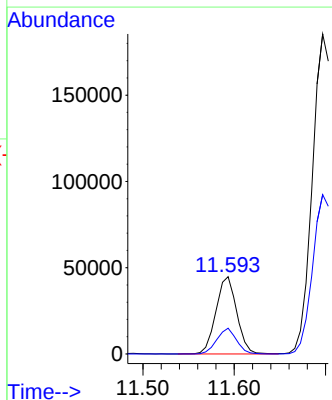
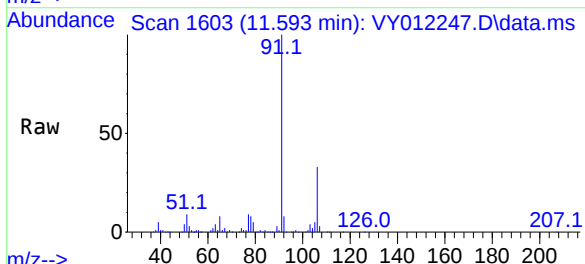
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

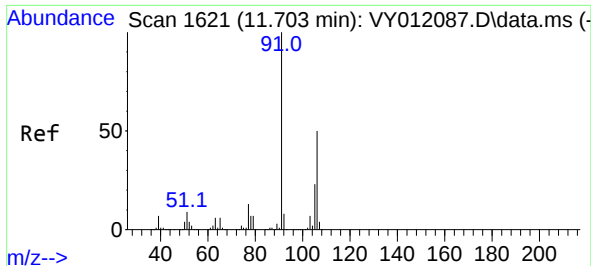
Tgt Ion:117 Resp: 201622
Ion Ratio Lower Upper
117 100
82 52.5 44.8 67.2
119 32.6 25.4 38.2



#67
Ethyl Benzene
Concen: 9.616 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

Tgt Ion: 91 Resp: 70895
Ion Ratio Lower Upper
91 100
106 33.3 25.0 37.4

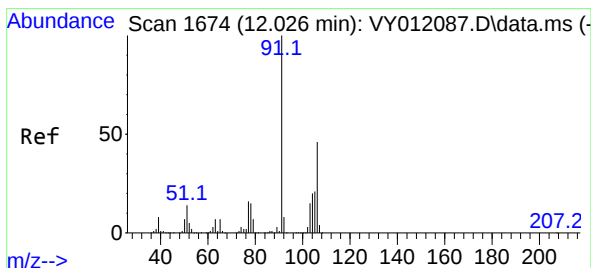
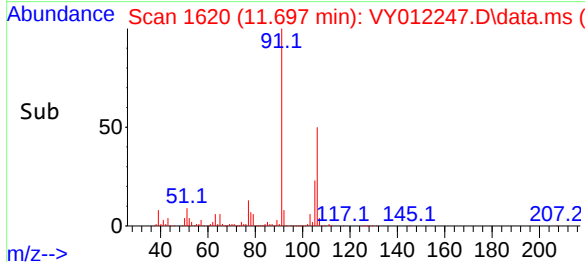
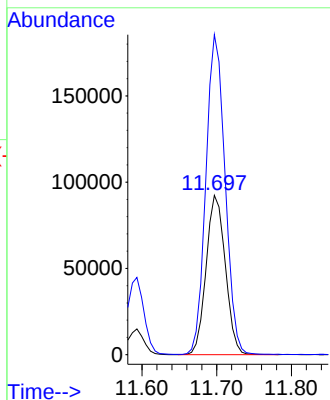
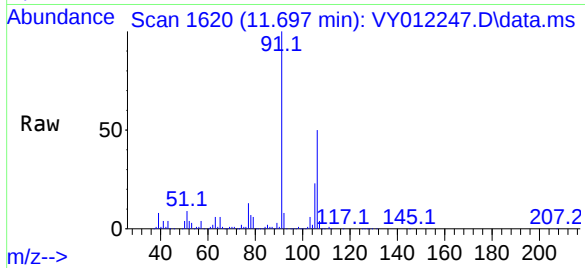




#68
m/p-Xylenes
Concen: 56.534 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

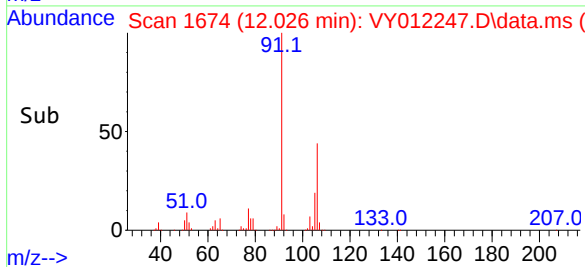
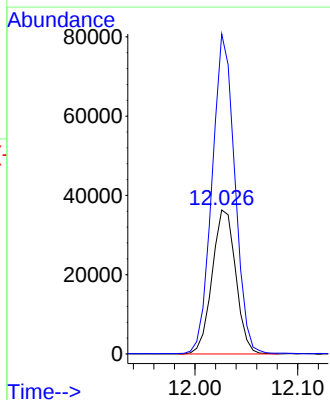
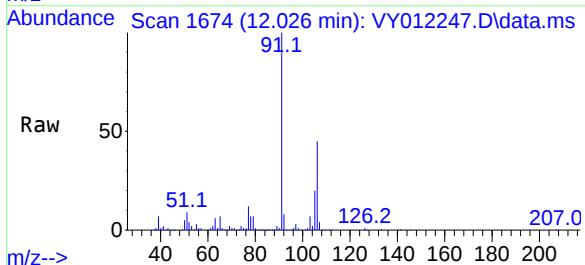
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

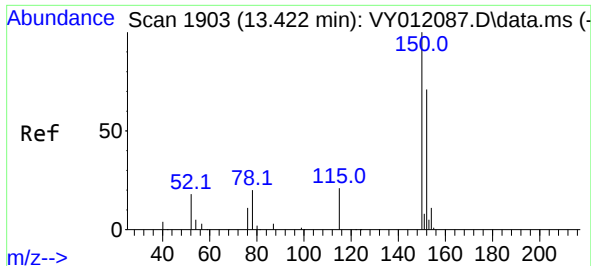
Tgt Ion:106 Resp: 164801
Ion Ratio Lower Upper
106 100
91 200.5 162.5 243.7



#69
o-Xylene
Concen: 20.783 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

Tgt Ion:106 Resp: 57867
Ion Ratio Lower Upper
106 100
91 214.2 107.5 322.4

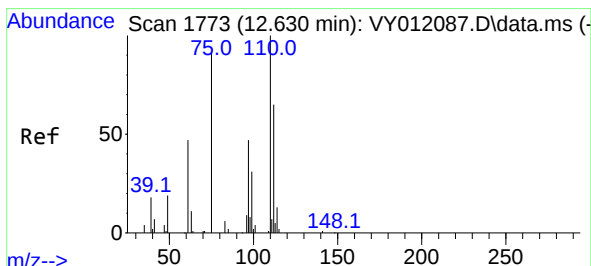
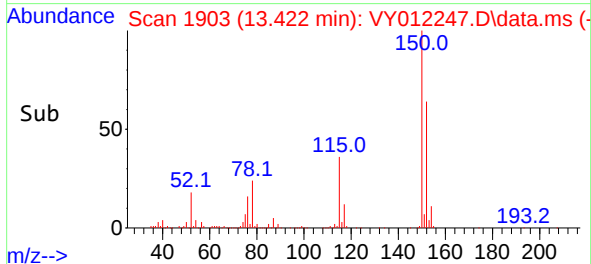
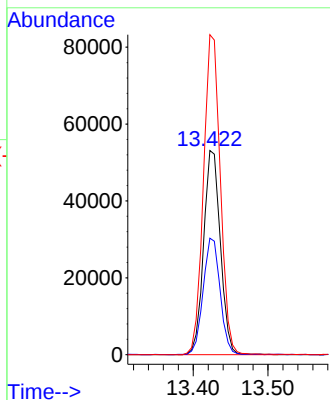
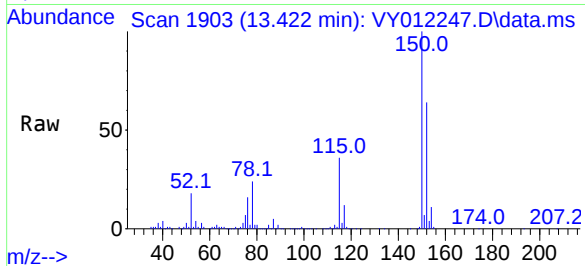




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY012247.D
 Acq: 18 Jan 2023 15:40

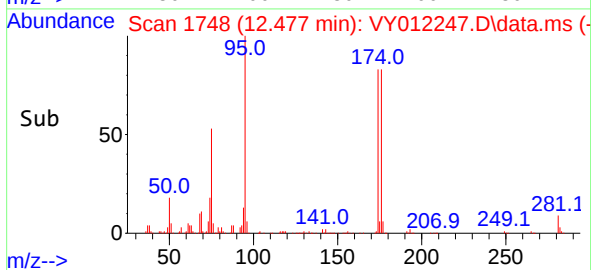
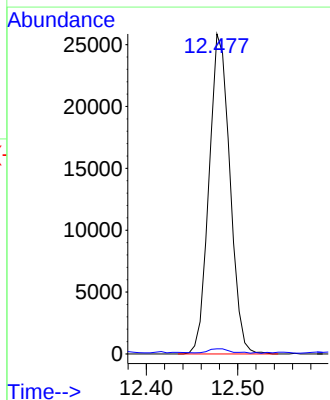
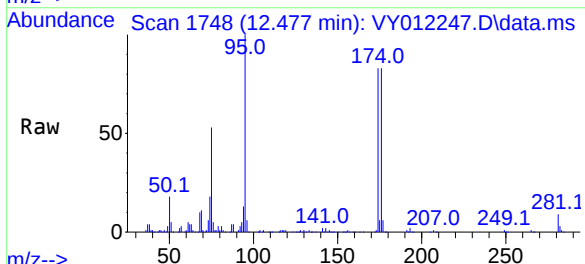
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-208

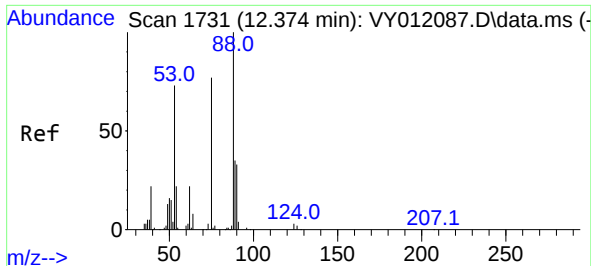
Tgt Ion:152 Resp: 82482
 Ion Ratio Lower Upper
 152 100
 115 58.0 29.1 87.3
 150 158.1 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 53.997 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY012247.D
 Acq: 18 Jan 2023 15:40

Tgt Ion: 75 Resp: 40954
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

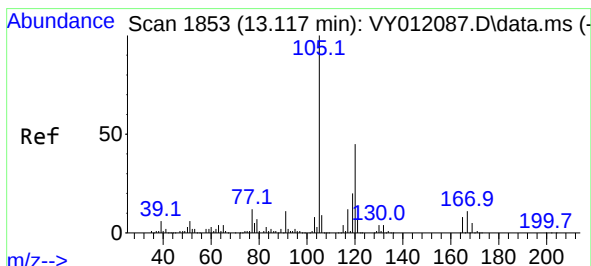
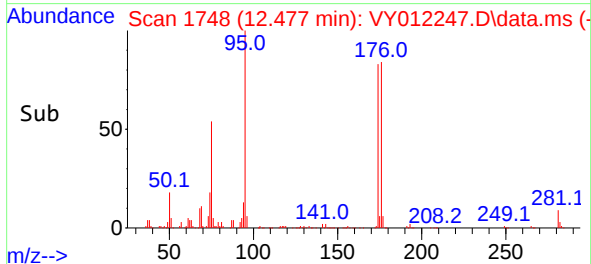
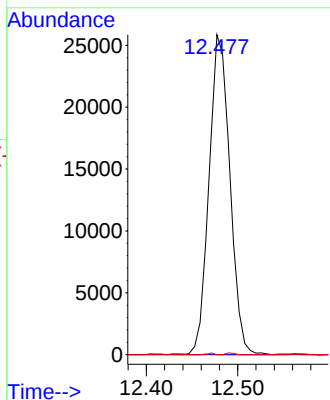
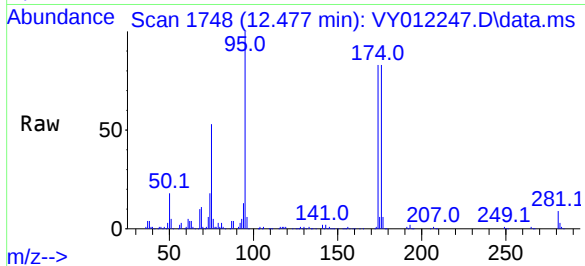




#81
trans-1,4-Dichloro-2-butene
Concen: 111.257 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

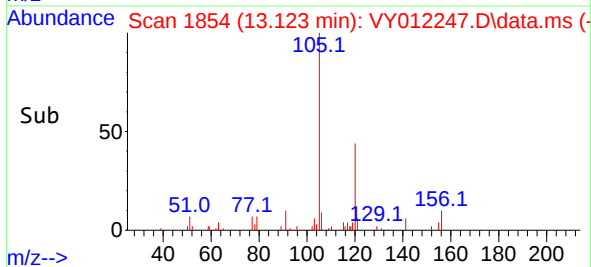
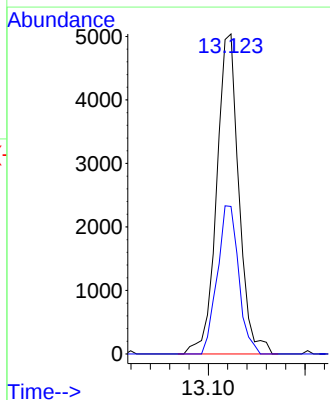
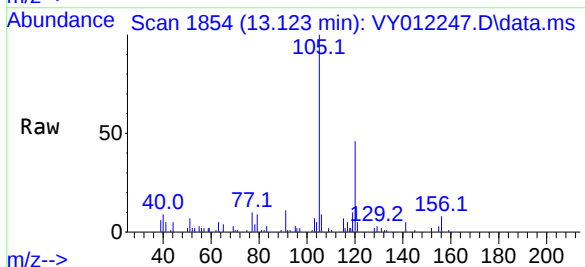
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

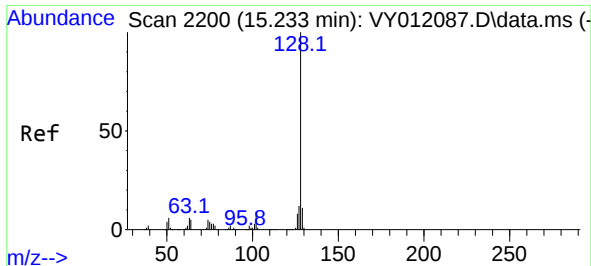
Tgt Ion: 75 Resp: 40954
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.572 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY012247.D
Acq: 18 Jan 2023 15:40

Tgt Ion: 105 Resp: 8017
Ion Ratio Lower Upper
105 100
120 44.6 22.9 68.7





#95

Naphthalene

Concen: 2.545 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY012247.D

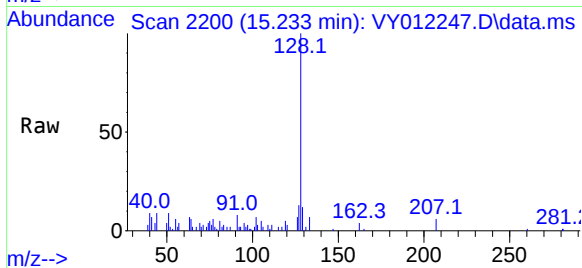
Acq: 18 Jan 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-208



Tgt Ion:128 Resp: 8176

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.2

129 14.1 8.8 13.2#

