

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031522\
 Data File : VN071300.D
 Acq On : 15 Mar 2022 18:28
 Operator : JC\MD
 Sample : N1890-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-232

Quant Time: Mar 16 08:05:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

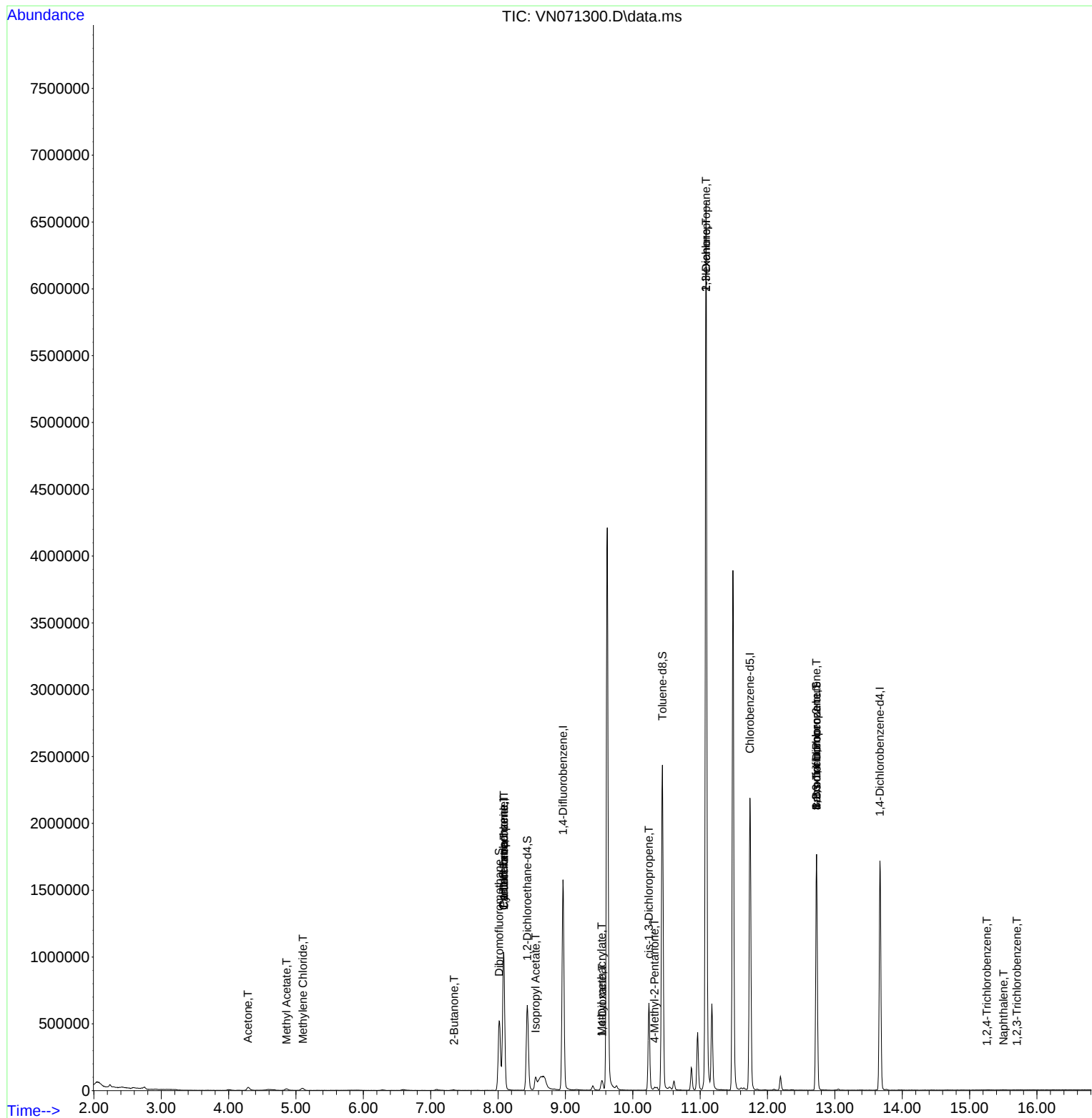
Internal Standards						
1) Pentafluorobenzene	8.081	168	795714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1346538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1264773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	466305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	522081	47.873	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.740%
35) Dibromofluoromethane	8.016	113	392118	46.147	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.300%
50) Toluene-d8	10.439	98	1689129	49.372	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.740%
62) 4-Bromofluorobenzene	12.727	95	605498	52.266	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.540%
Target Compounds						
					Qvalue	
5) Bromomethane	2.869	94	1035	Below Cal	#	65
16) Acetone	4.287	43	43934	8.280	ug/l	96
18) Methyl Acetate	4.857	43	26921	2.341	ug/l	# 90
20) Methylene Chloride	5.104	84	12217	1.632	ug/l	# 95
25) 2-Butanone	7.345	43	7224	0.845	ug/l	93
31) Cyclohexane	8.087	56	16320	0.937	ug/l	# 1
36) 1,1-Dichloropropene	8.087	75	61942	4.550	ug/l	# 49
38) Carbon Tetrachloride	8.087	117	76763	5.829	ug/l	# 17
43) Isopropyl Acetate	8.557	43	110281	3.936	ug/l	# 81
48) Methyl methacrylate	9.539	41	20715	1.595	ug/l	# 8
49) 1,4-Dioxane	9.545	88	80	0.354	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.322	43	11519	0.662	ug/l	# 82
54) cis-1,3-Dichloropropene	10.239	75	112294	6.807	ug/l	# 63
57) 1,3-Dichloropropane	11.086	76	68492	3.770	ug/l	# 43
59) 2-Hexanone	11.086	43	1064542	89.725	ug/l	# 49
71) Bromoform	12.727	173	3848	0.509	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.833	83	54	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	315071	26.555	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	315071	73.040	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.257	180	493	3.050	ug/l	# 71
95) Naphthalene	15.504	128	1983	5.151	ug/l	# 72
96) 1,2,3-Trichlorobenzene	15.704	180	360	2.778	ug/l	# 82

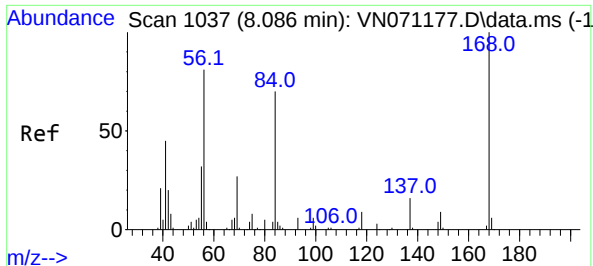
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
Response via : Initial Calibration

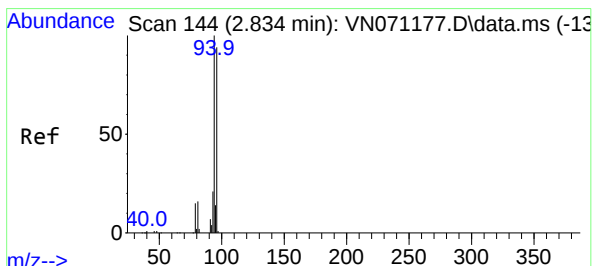
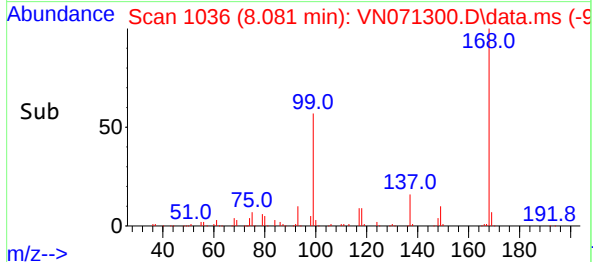
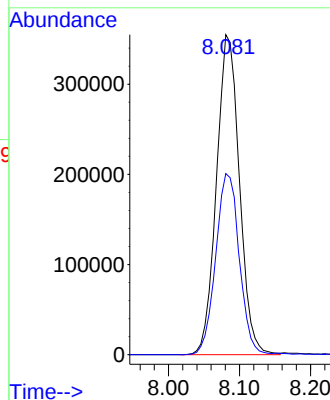
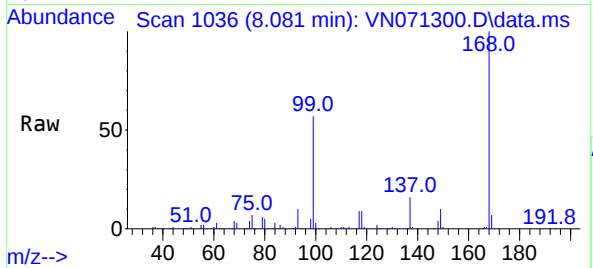




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

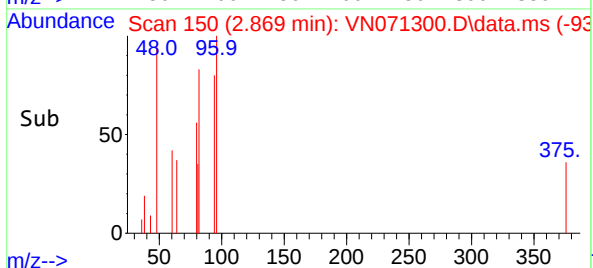
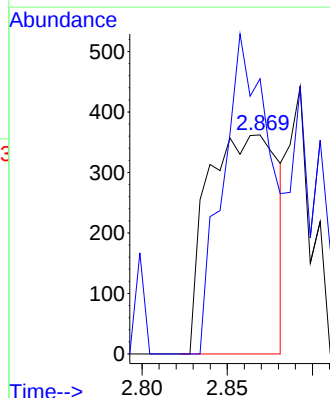
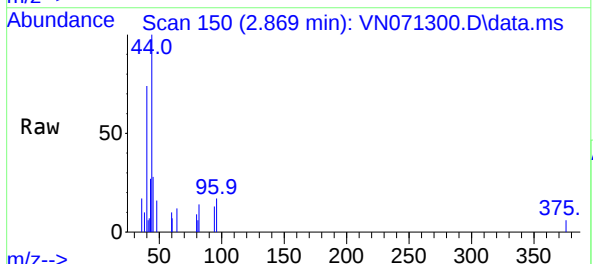
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

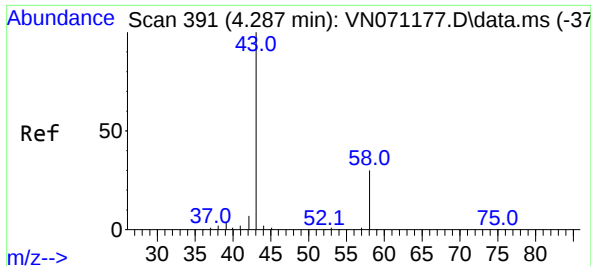
Tgt Ion:168 Resp: 795714
Ion Ratio Lower Upper
168 100
99 56.6 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.869 min Scan# 150
Delta R.T. 0.035 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

Tgt Ion: 94 Resp: 1035
Ion Ratio Lower Upper
94 100
96 125.7 73.8 110.8#

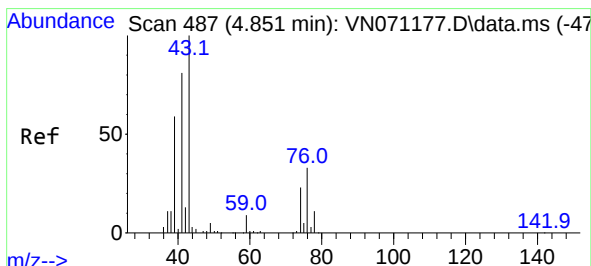
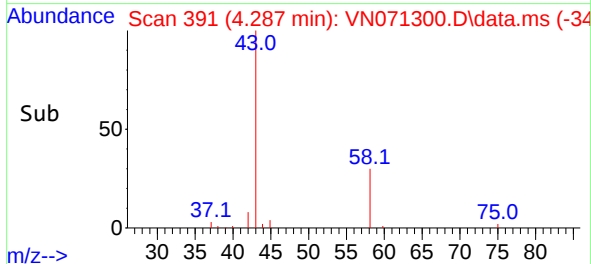
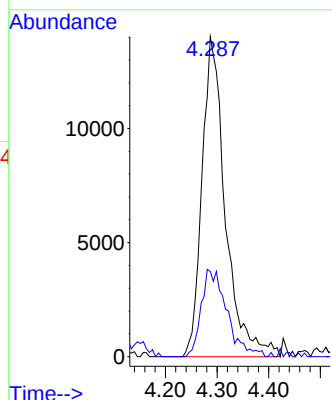
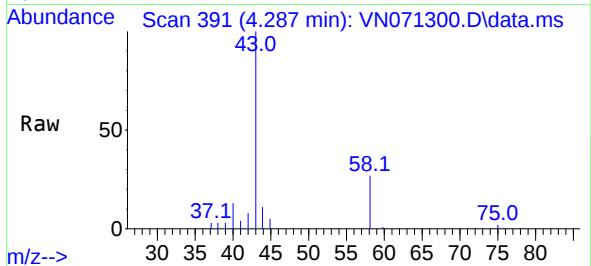




#16
Acetone
Concen: 8.280 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.000 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

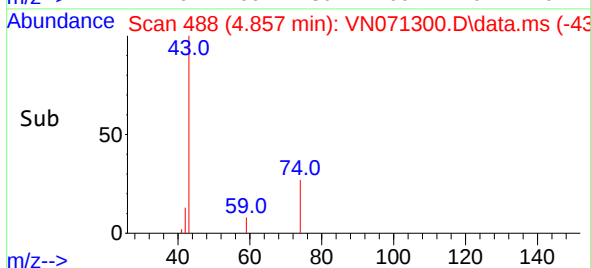
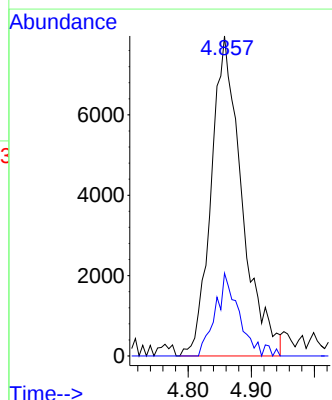
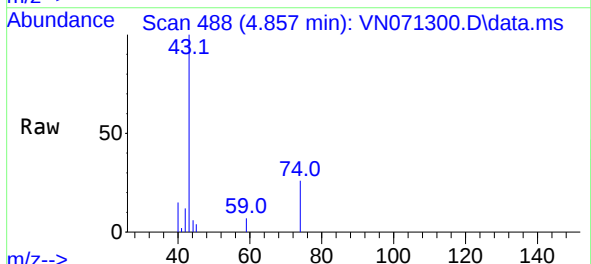
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

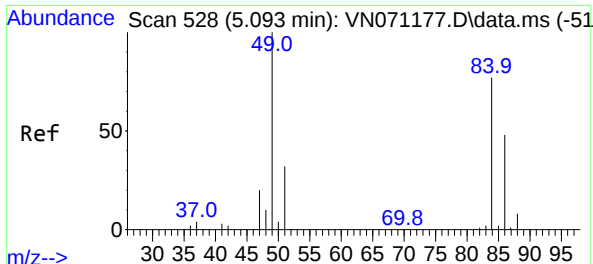
Tgt Ion: 43 Resp: 43934
Ion Ratio Lower Upper
43 100
58 26.7 23.1 34.7



#18
Methyl Acetate
Concen: 2.341 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

Tgt Ion: 43 Resp: 26921
Ion Ratio Lower Upper
43 100
74 19.3 19.4 29.2#



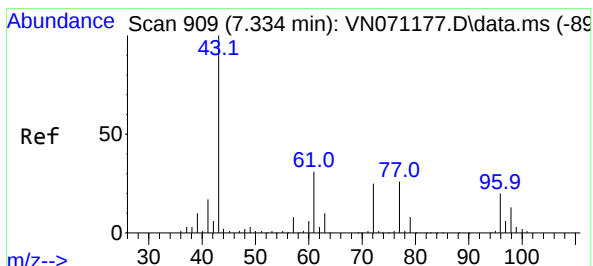
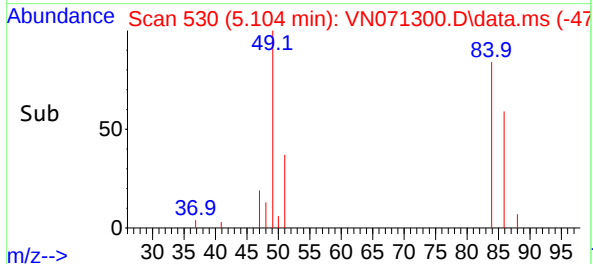
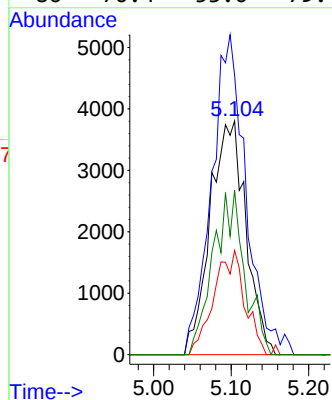
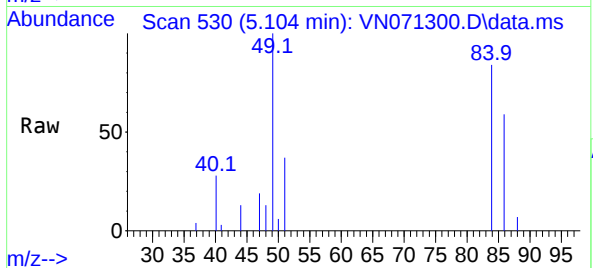


#20
Methylene Chloride
Concen: 1.632 ug/l
RT: 5.104 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

Tgt Ion: 84 Resp: 12217

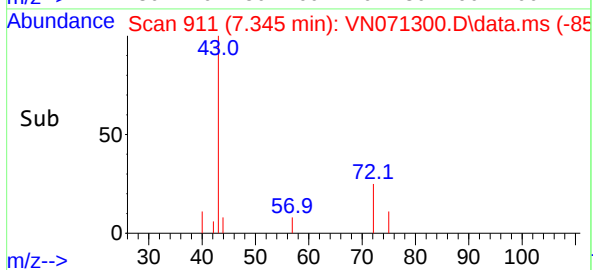
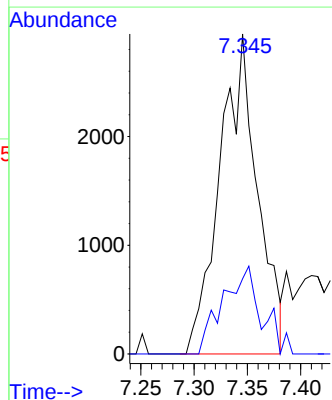
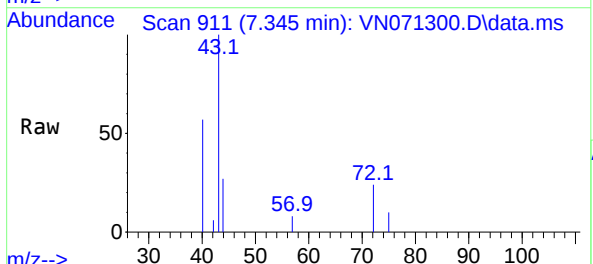
Ion	Ratio	Lower	Upper
84	100		
49	119.6	93.5	140.3
51	44.6	29.4	44.2#
86	70.4	53.0	79.4

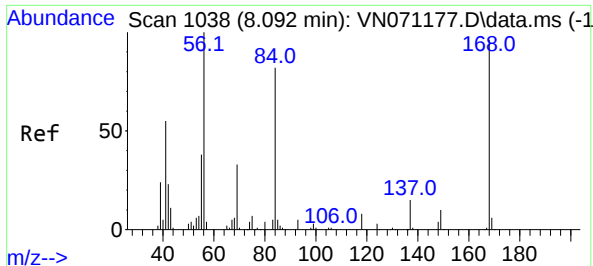


#25
2-Butanone
Concen: 0.845 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

Tgt Ion: 43 Resp: 7224

Ion	Ratio	Lower	Upper
43	100		
72	23.5	21.7	32.5





#31

Cyclohexane

Concen: 0.937 ug/l

RT: 8.087 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN071300.D

Acq: 15 Mar 2022 18:28

Instrument :

MSVOA_N

ClientSampleId :

VNJ-232

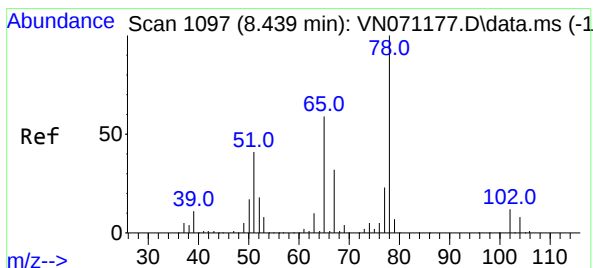
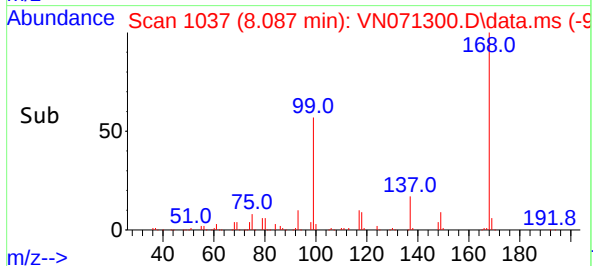
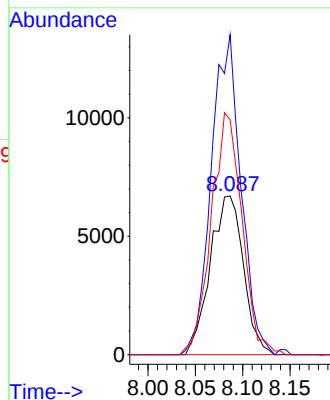
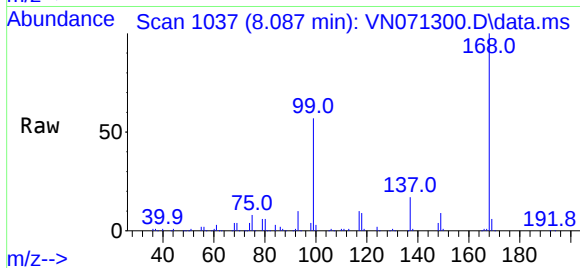
Tgt Ion: 56 Resp: 16320

Ion Ratio Lower Upper

56 100

69 201.7 27.1 40.7#

84 148.1 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 47.873 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071300.D

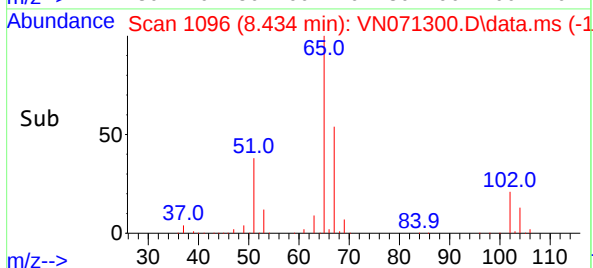
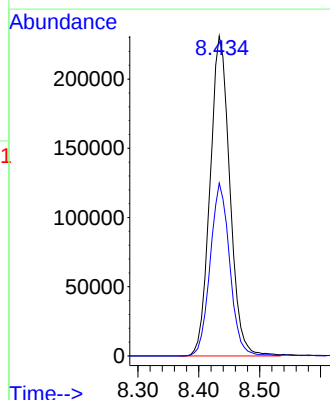
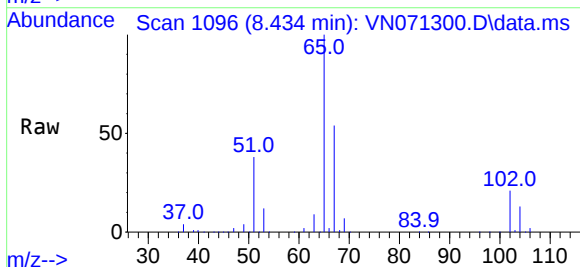
Acq: 15 Mar 2022 18:28

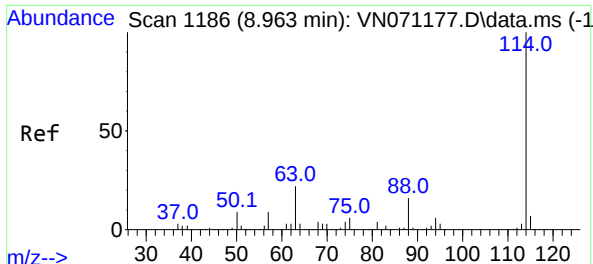
Tgt Ion: 65 Resp: 522081

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.0

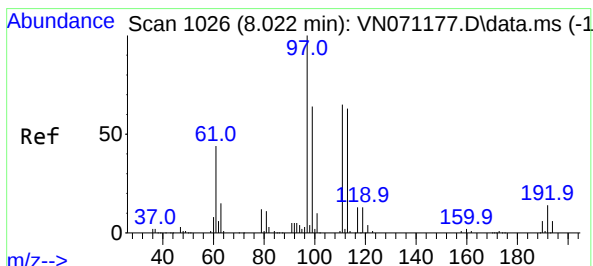
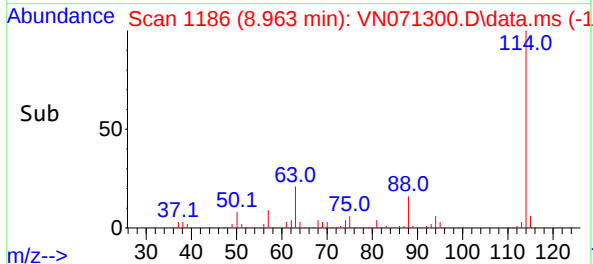
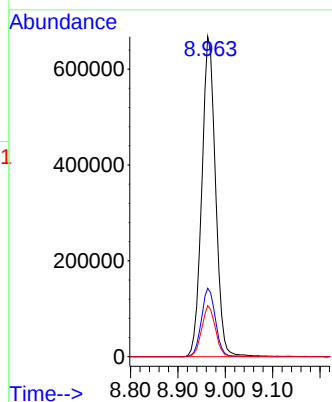
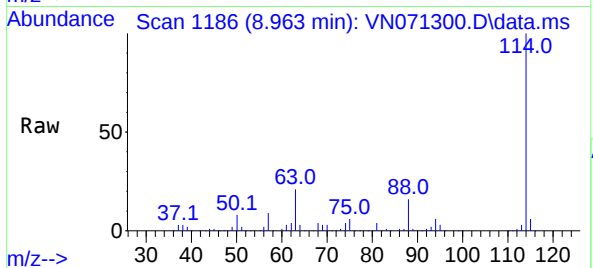




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

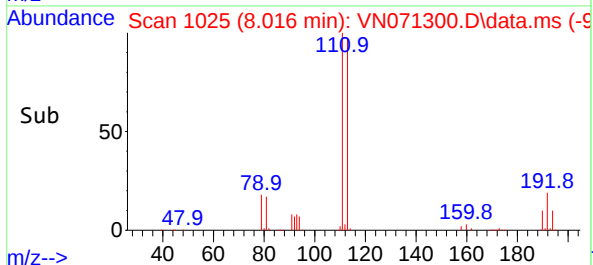
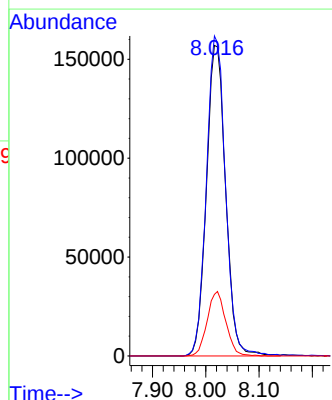
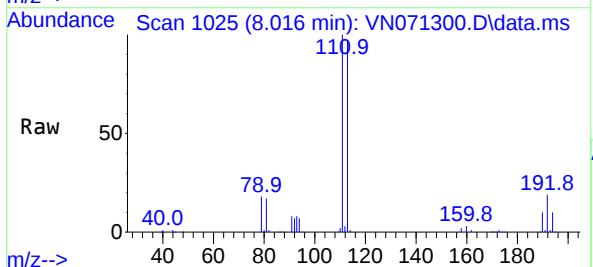
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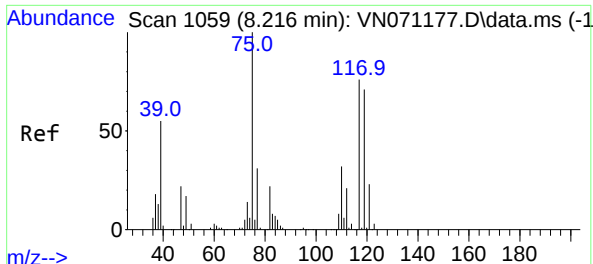
Tgt Ion:114 Resp: 1346538
Ion Ratio Lower Upper
114 100
63 21.4 0.0 37.8
88 16.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.147 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

Tgt Ion:113 Resp: 392118
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 20.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.550 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN071300.D

Acq: 15 Mar 2022 18:28

Instrument :

MSVOA_N

ClientSampleId :

VNJ-232

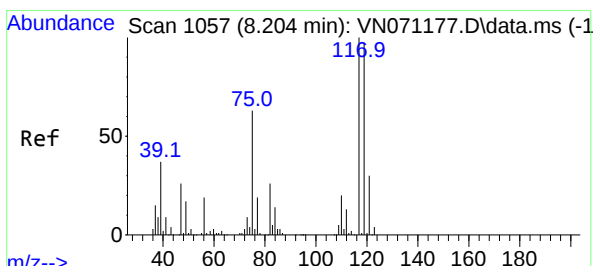
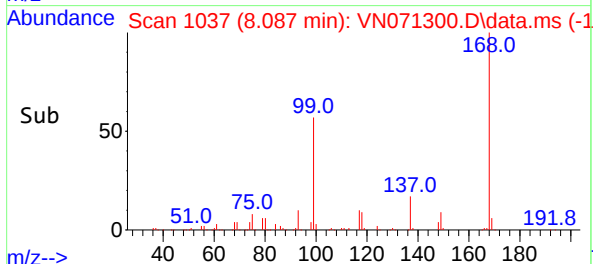
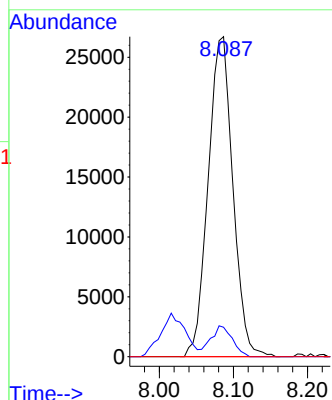
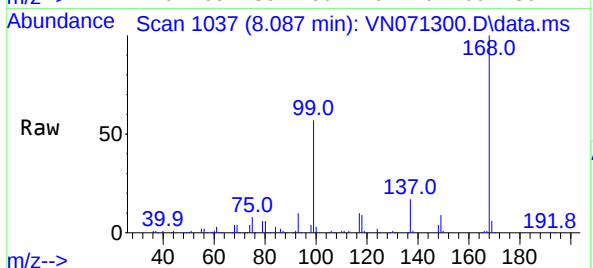
Tgt Ion: 75 Resp: 61942

Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.829 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.117 min

Lab File: VN071300.D

Acq: 15 Mar 2022 18:28

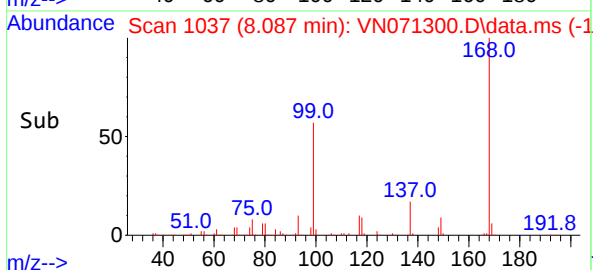
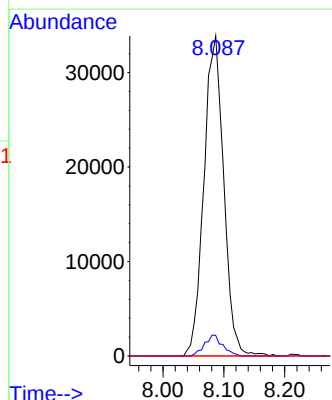
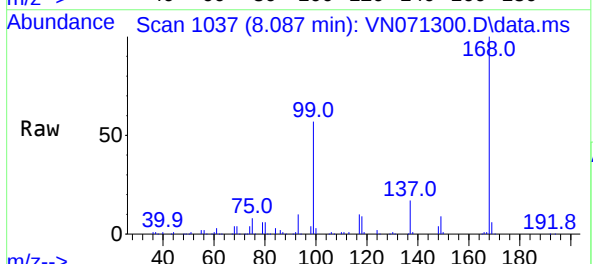
Tgt Ion: 117 Resp: 76763

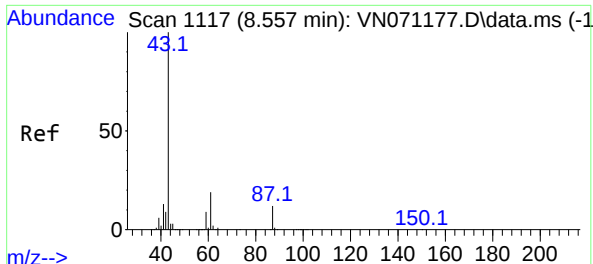
Ion Ratio Lower Upper

117 100

119 6.4 76.1 114.1#

121 0.0 24.2 36.2#

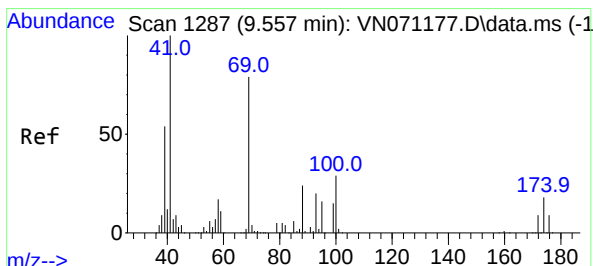
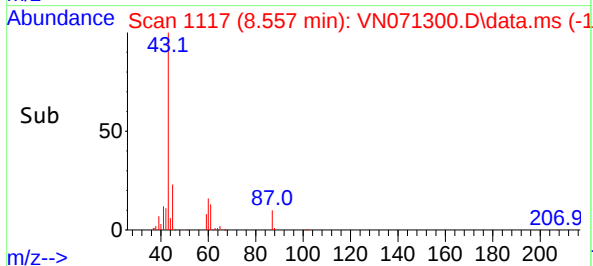
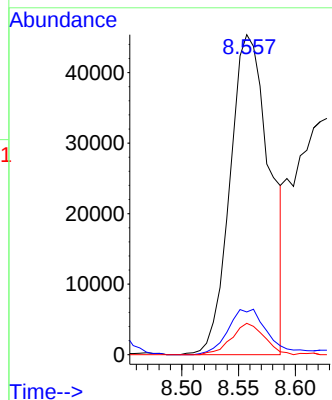
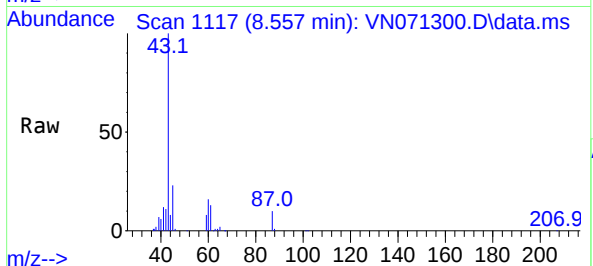




#43
Isopropyl Acetate
Concen: 3.936 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

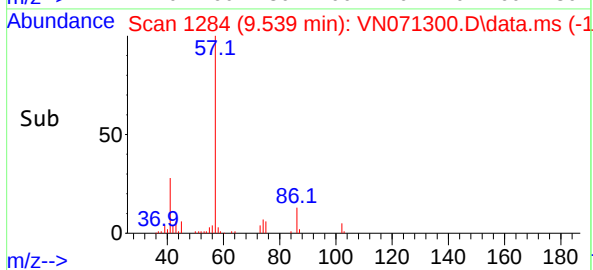
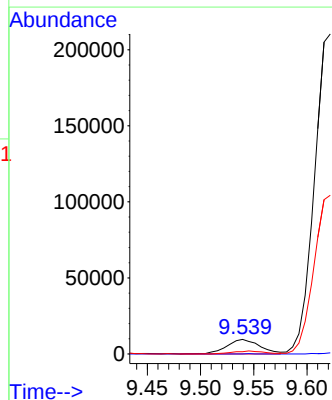
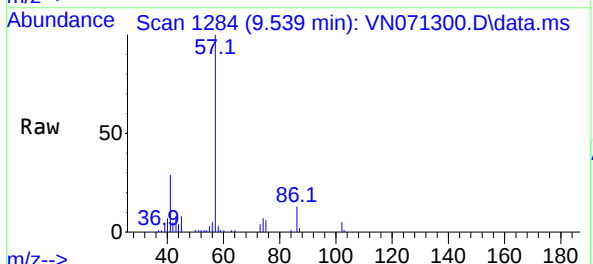
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

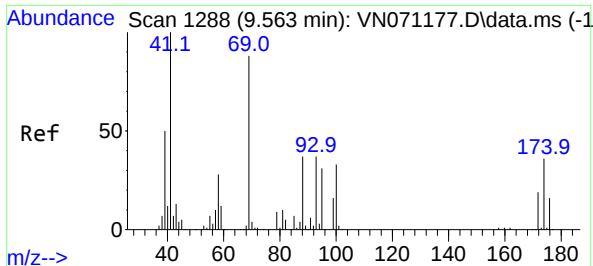
Tgt Ion: 43 Resp: 110281
Ion Ratio Lower Upper
43 100
61 14.3 20.4 30.6#
87 8.1 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.595 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.018 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

Tgt Ion: 41 Resp: 20715
Ion Ratio Lower Upper
41 100
69 0.4 72.4 108.6#
39 0.0 58.4 87.6#

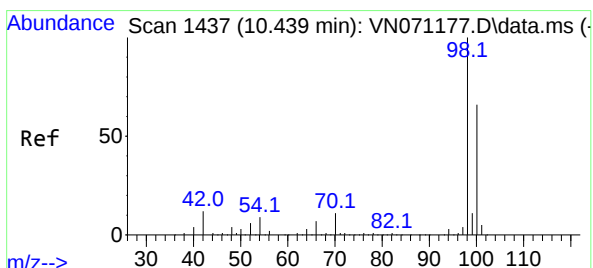
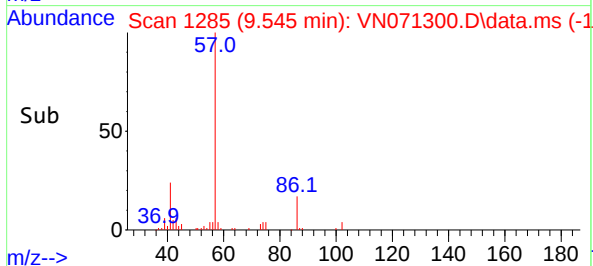
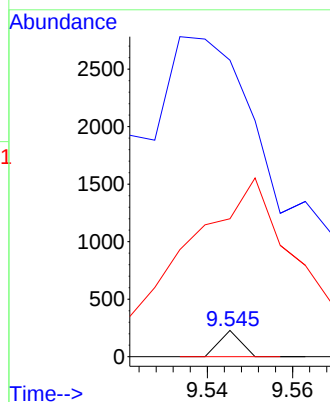
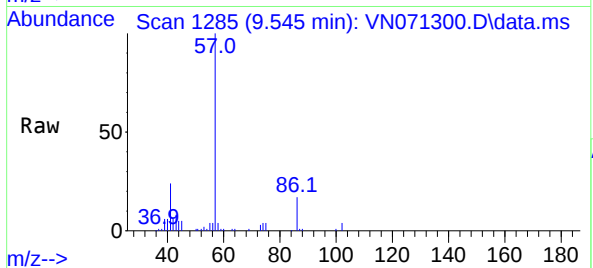




#49
1,4-Dioxane
Concen: 0.354 ug/l
RT: 9.545 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

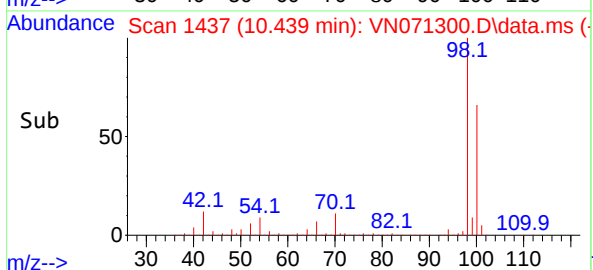
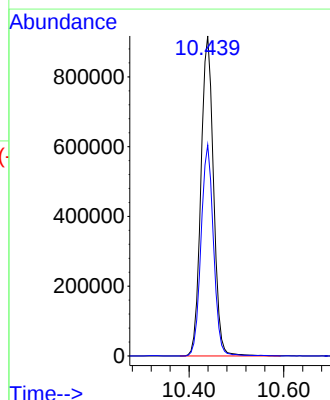
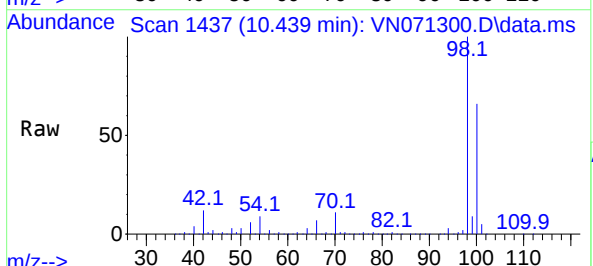
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

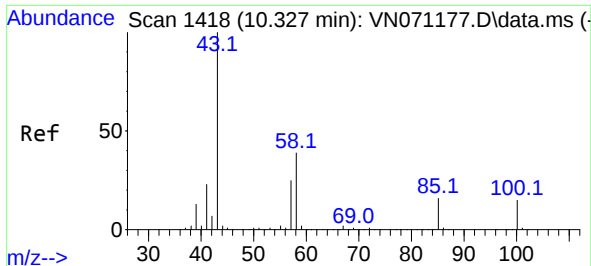
Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 3938.8 50.6 75.8#



#50
Toluene-d8
Concen: 49.372 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

Tgt Ion: 98 Resp: 1689129
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.662 ug/l

RT: 10.322 min Scan# 1418

Delta R.T. -0.005 min

Lab File: VN071300.D

Acq: 15 Mar 2022 18:28

Instrument :

MSVOA_N

ClientSampleId :

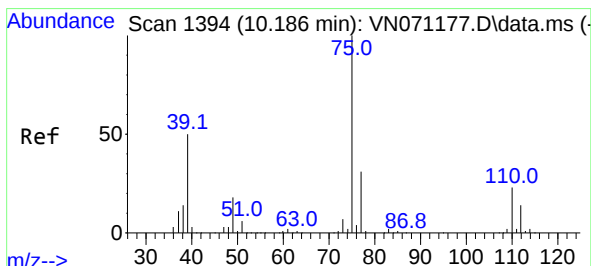
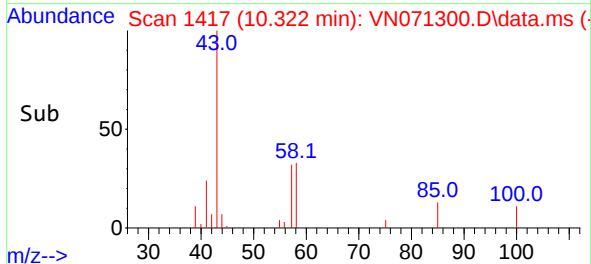
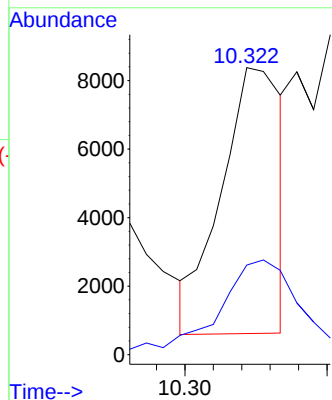
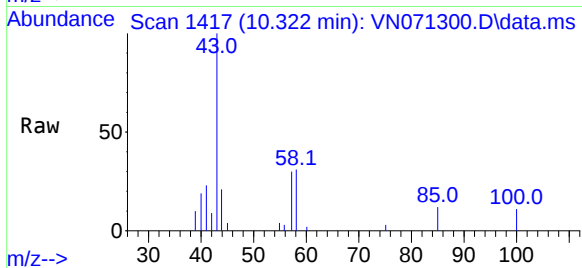
VNJ-232

Tgt Ion: 43 Resp: 11519

Ion Ratio Lower Upper

43 100

58 48.8 30.4 45.6#



#54

cis-1,3-Dichloropropene

Concen: 6.807 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071300.D

Acq: 15 Mar 2022 18:28

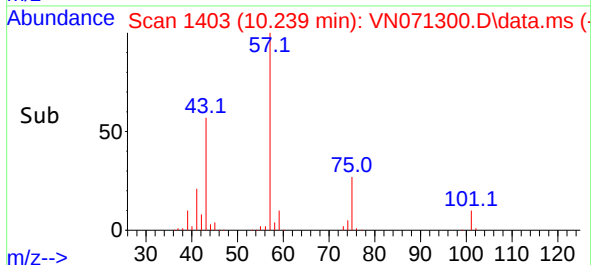
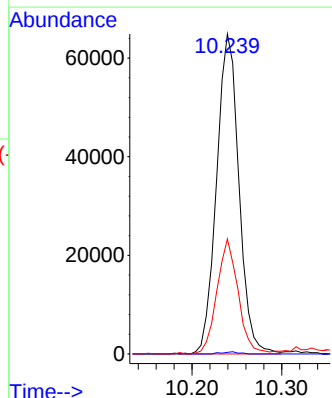
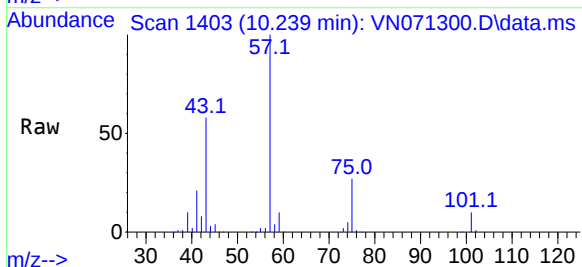
Tgt Ion: 75 Resp: 112294

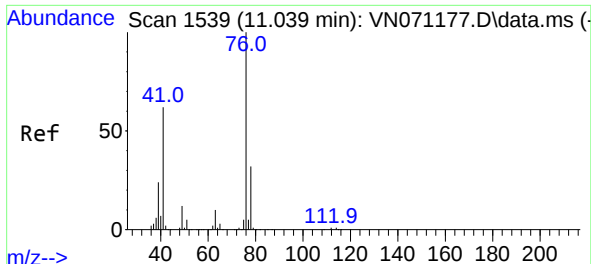
Ion Ratio Lower Upper

75 100

77 0.5 26.4 39.6#

39 35.5 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 3.770 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071300.D

Acq: 15 Mar 2022 18:28

Instrument :

MSVOA_N

ClientSampleId :

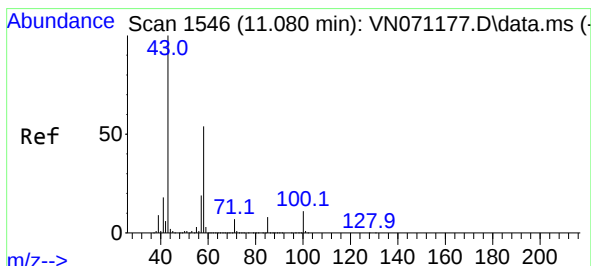
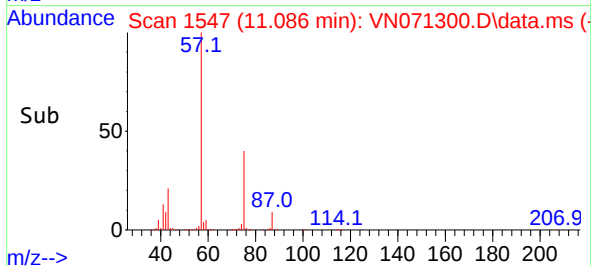
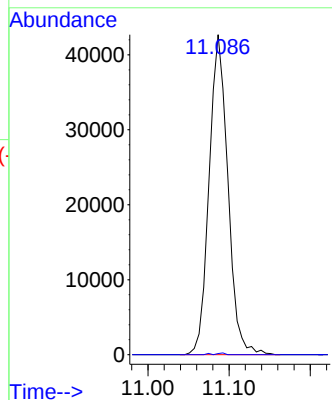
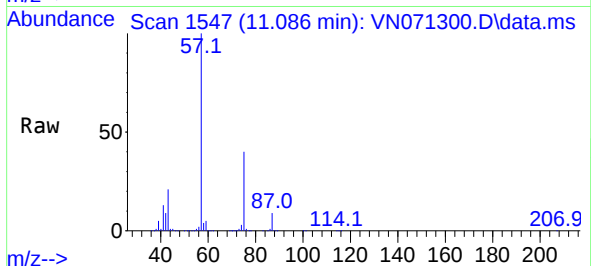
VNJ-232

Tgt Ion: 76 Resp: 68492

Ion Ratio Lower Upper

76 100

78 0.3 25.7 38.5#



#59

2-Hexanone

Concen: 89.725 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071300.D

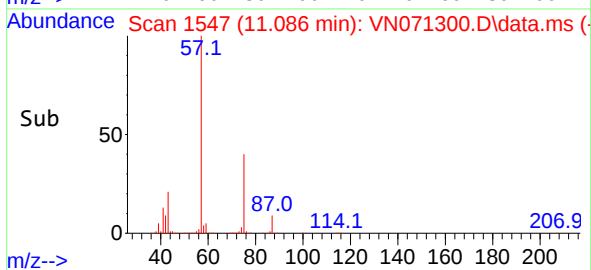
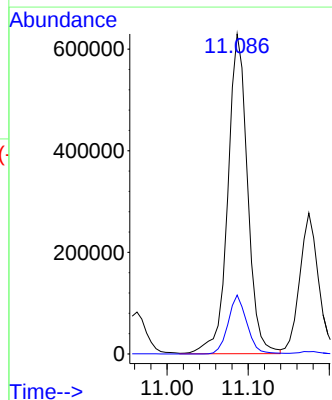
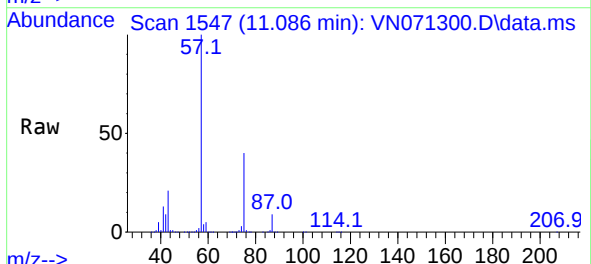
Acq: 15 Mar 2022 18:28

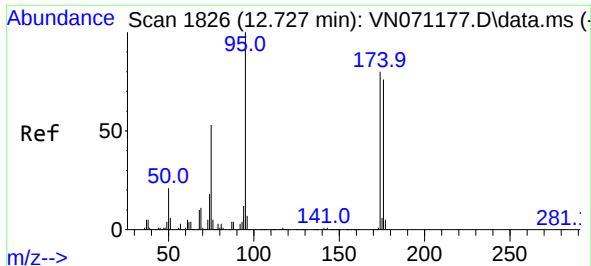
Tgt Ion: 43 Resp: 1064542

Ion Ratio Lower Upper

43 100

58 17.4 26.9 80.7#

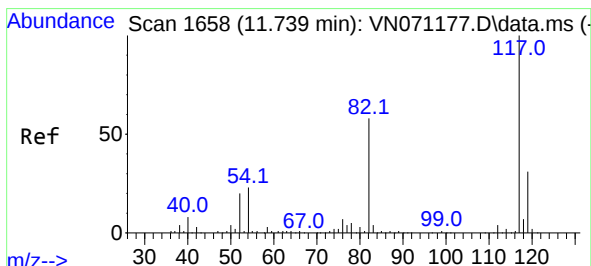
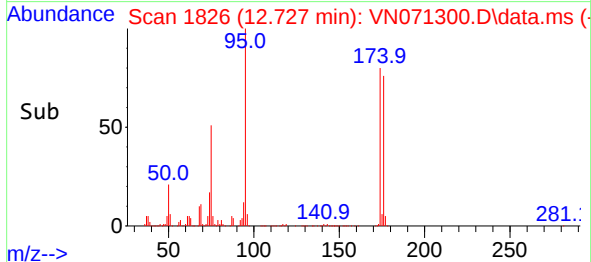
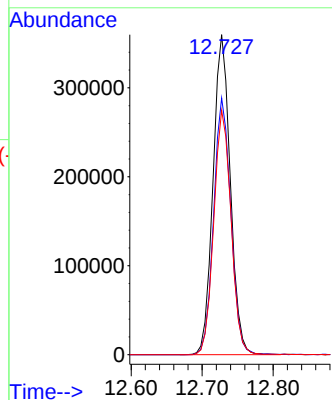
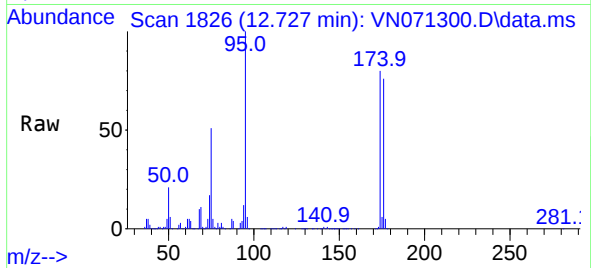




#62
4-Bromofluorobenzene
Concen: 52.266 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

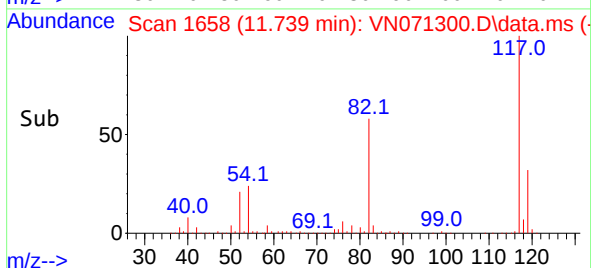
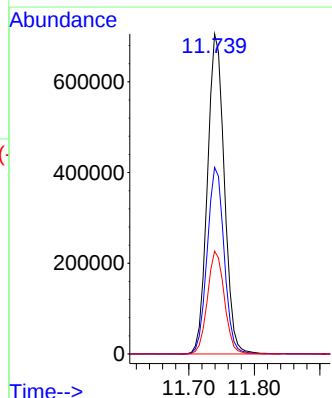
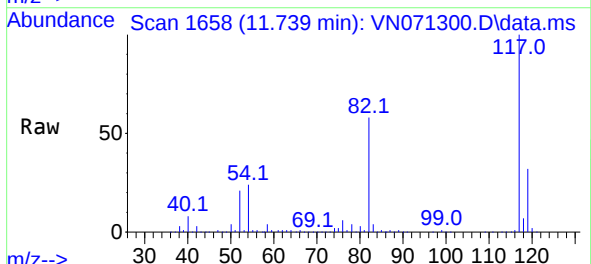
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

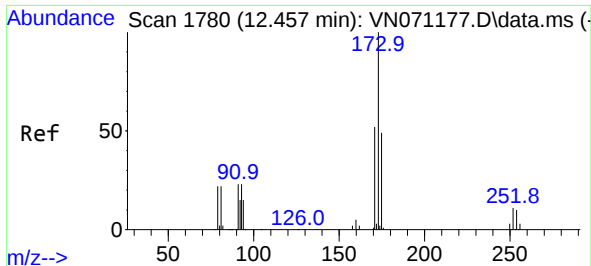
Tgt Ion: 95 Resp: 605498
Ion Ratio Lower Upper
95 100
174 80.1 0.0 187.2
176 76.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

Tgt Ion: 117 Resp: 1264773
Ion Ratio Lower Upper
117 100
82 58.3 42.4 63.6
119 32.2 25.4 38.2

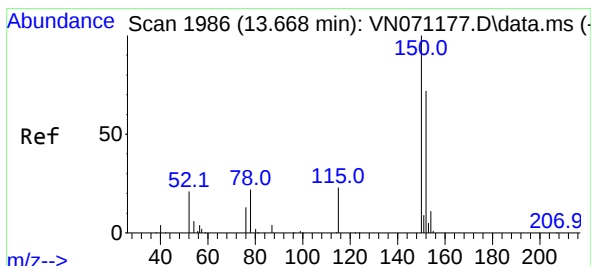
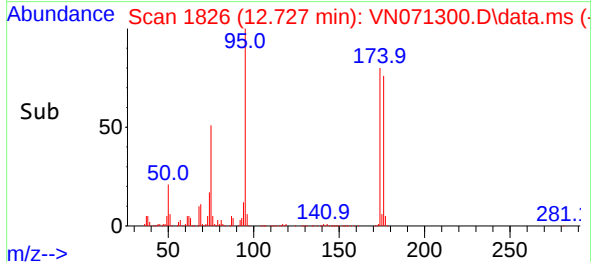
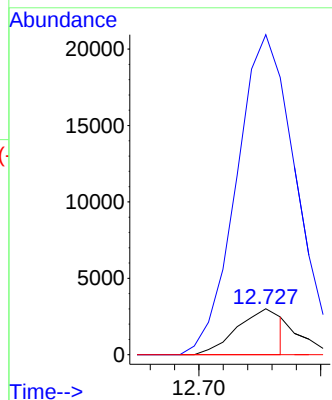
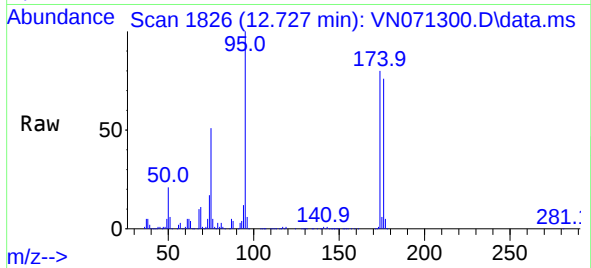




#71
Bromoform
Concen: 0.509 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

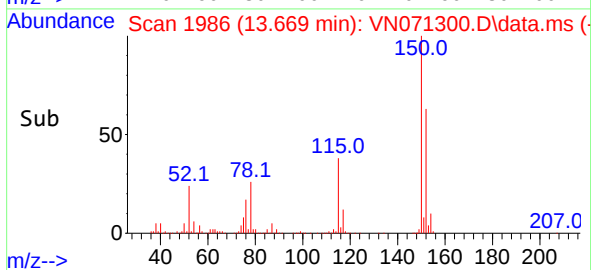
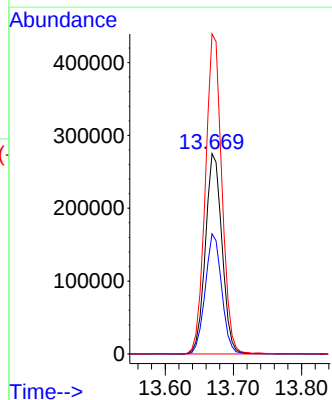
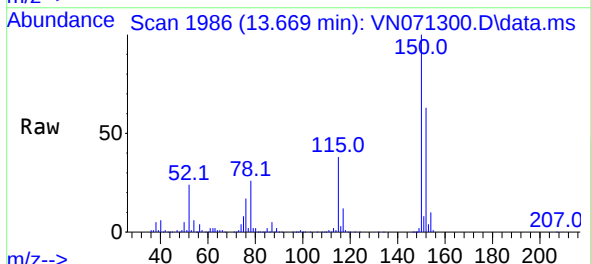
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

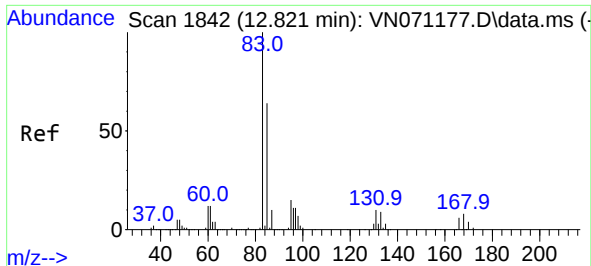
Tgt Ion:173 Resp: 3848
Ion Ratio Lower Upper
173 100
175 713.6 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

Tgt Ion:152 Resp: 466305
Ion Ratio Lower Upper
152 100
115 59.5 27.5 82.5
150 158.1 0.0 344.4

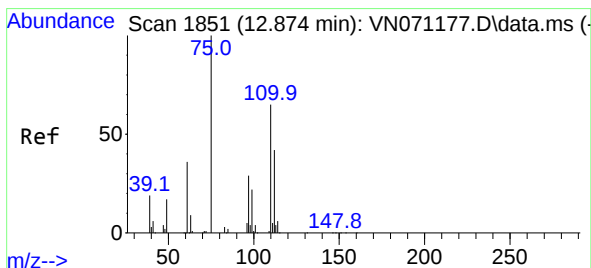
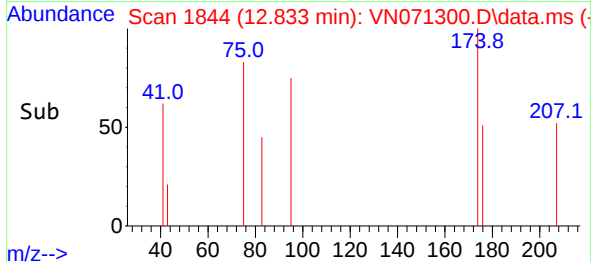
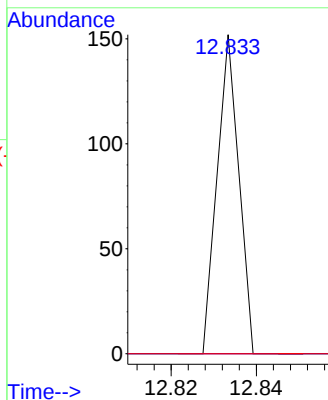
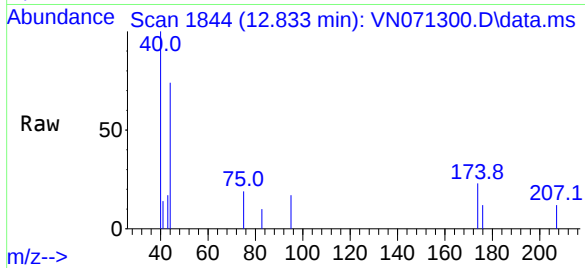




#75
1,1,2-Tetrachloroethane
Concen: Below Cal
RT: 12.833 min Scan# 1844
Delta R.T. 0.012 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

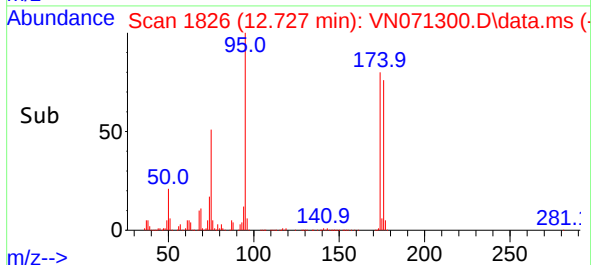
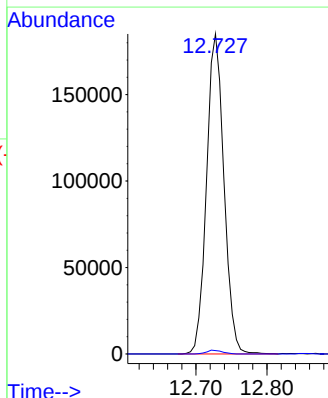
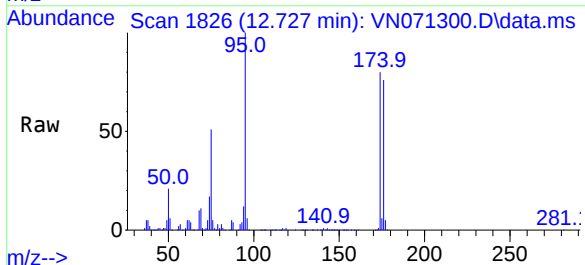
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

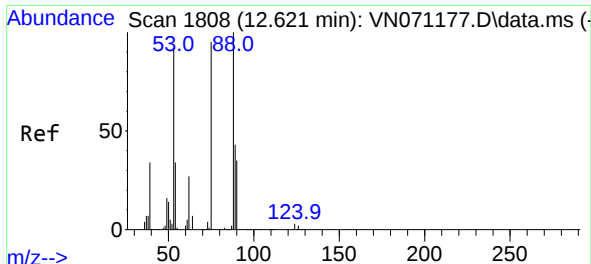
Tgt Ion: 83 Resp: 54
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.555 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

Tgt Ion: 75 Resp: 315071
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

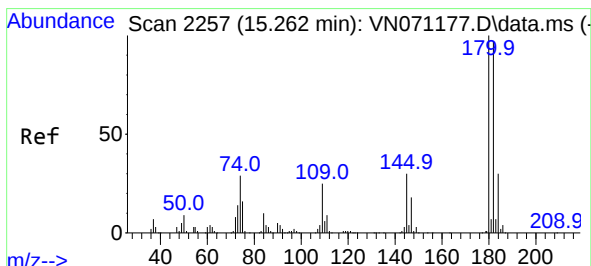
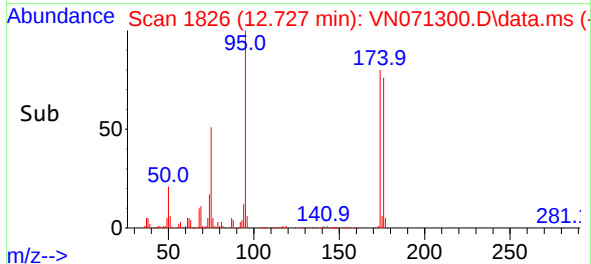
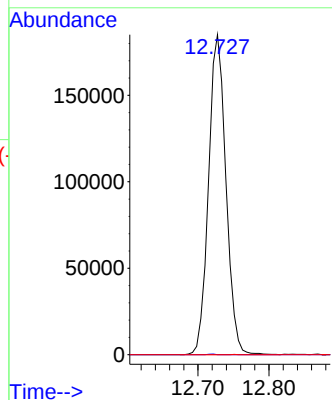
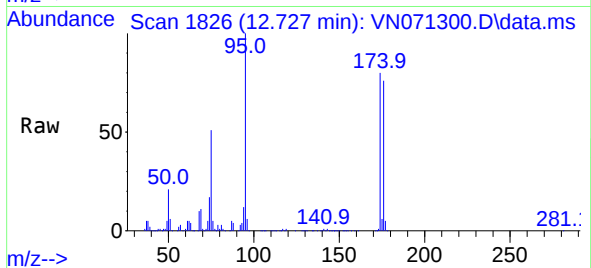




#81
trans-1,4-Dichloro-2-butene
Concen: 73.040 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

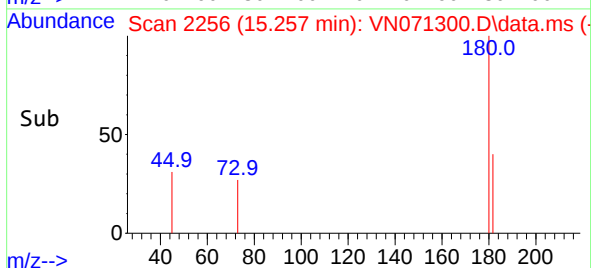
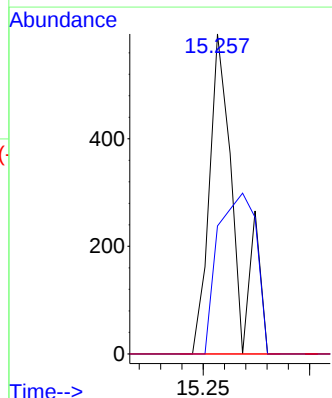
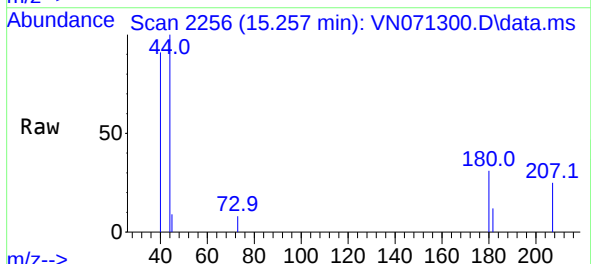
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

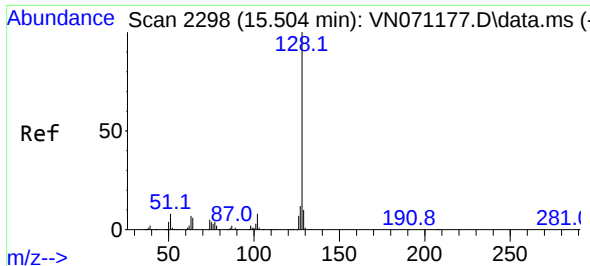
Tgt Ion: 75 Resp: 315071
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.050 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.005 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

Tgt Ion:180 Resp: 493
Ion Ratio Lower Upper
180 100
182 75.9 48.3 144.9
145 0.0 14.5 43.5#

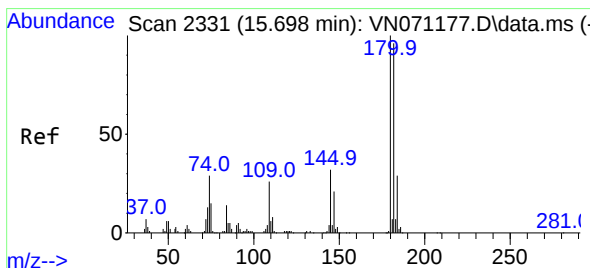
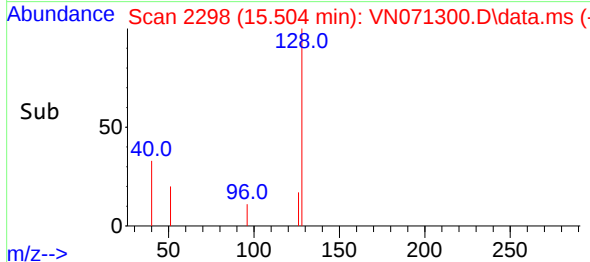
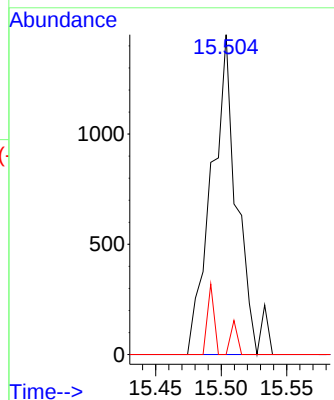
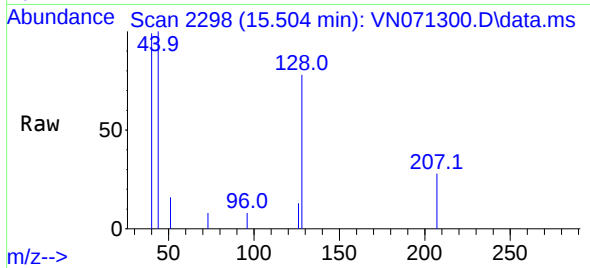




#95
Naphthalene
Concen: 5.151 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

Tgt Ion:128 Resp: 1983
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 2.8 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.778 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.006 min
Lab File: VN071300.D
Acq: 15 Mar 2022 18:28

Tgt Ion:180 Resp: 360
Ion Ratio Lower Upper
180 100
182 88.3 47.4 142.2
145 0.0 15.0 45.1#

