

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062022\
 Data File : VN072951.D
 Acq On : 20 Jun 2022 11:02
 Operator : JC\MD
 Sample : N3367-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MJS-TWP-02

Quant Time: Jun 21 05:54:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

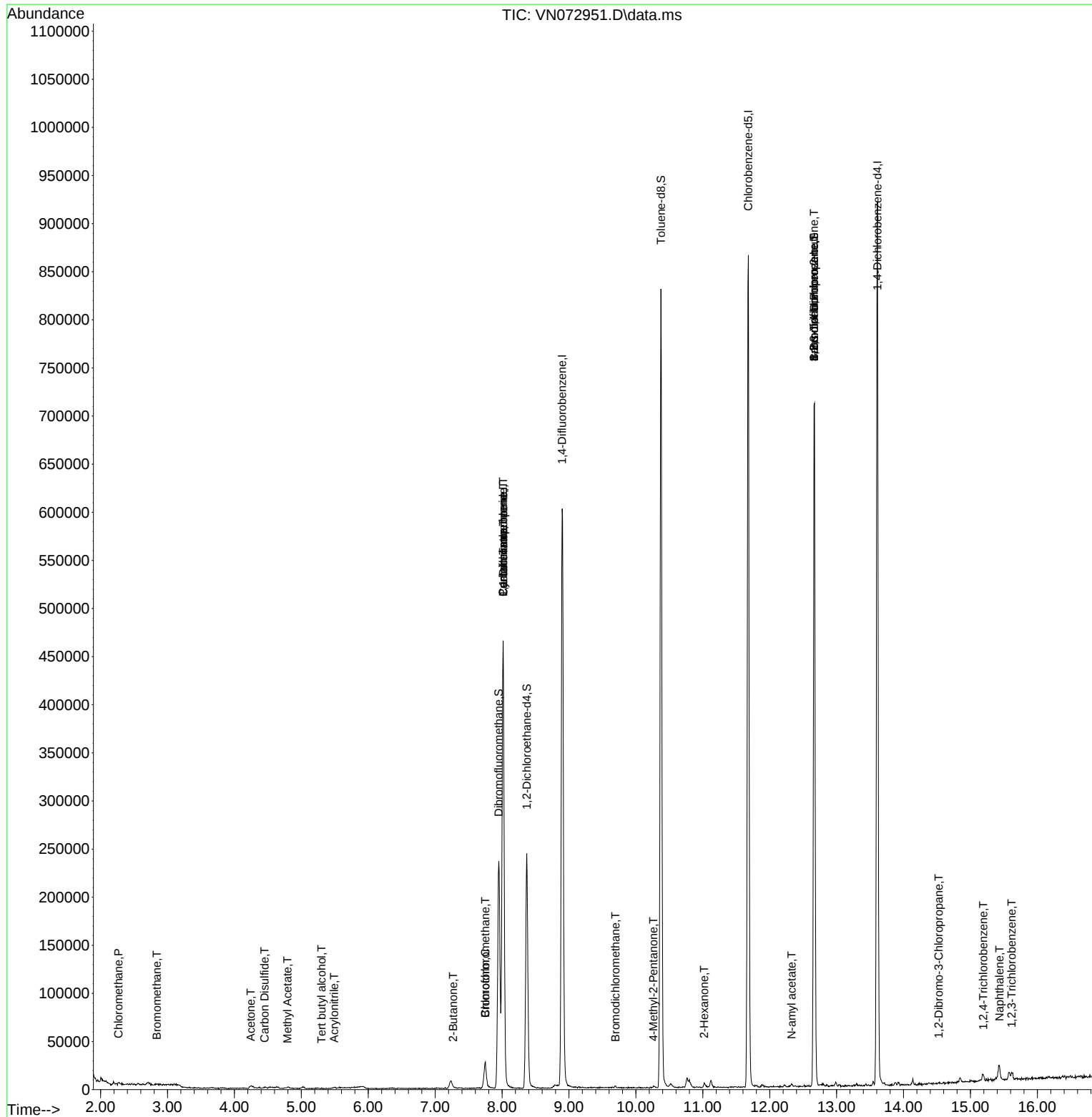
Internal Standards						
1) Pentafluorobenzene	8.016	168	354335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	561771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	509605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.609	152	256714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	203480	42.476	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.960%		
35) Dibromofluoromethane	7.951	113	177672	51.169	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.340%		
50) Toluene-d8	10.374	98	576318	44.606	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.220%		
62) 4-Bromofluorobenzene	12.662	95	255718	55.041	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.080%		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	690	0.757	ug/l	99
5) Bromomethane	2.840	94	445	0.374	ug/l #	2
11) Tert butyl alcohol	5.304	59	252	0.204	ug/l #	72
15) Acrylonitrile	5.492	53	903	0.317	ug/l #	82
16) Acetone	4.245	43	5653	2.147	ug/l #	75
17) Carbon Disulfide	4.451	76	1890	0.217	ug/l #	75
18) Methyl Acetate	4.792	43	1892	0.270	ug/l #	61
20) Methylene Chloride	5.004	84	599	Below Cal	#	54
25) 2-Butanone	7.269	43	1004	0.240	ug/l #	45
26) 2,2-Dichloropropane	7.239	77	436	Below Cal	#	53
28) Bromochloromethane	7.751	49	2037	0.695	ug/l #	8
30) Chloroform	7.751	83	23460	3.271	ug/l	93
31) Cyclohexane	8.016	56	7591	1.171	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	28978	6.168	ug/l #	49
38) Carbon Tetrachloride	8.016	117	35326	7.148	ug/l #	16
47) Bromodichloromethane	9.692	83	1556	0.307	ug/l #	76
51) 4-Methyl-2-Pentanone	10.263	43	2286	0.326	ug/l #	60
59) 2-Hexanone	11.021	43	4284	0.791	ug/l	70
71) Bromoform	12.662	173	1638	0.574	ug/l #	1
74) N-amyl acetate	12.327	43	2348	0.228	ug/l #	74
76) 1,2,3-Trichloropropane	12.662	75	127010	20.406	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.662	75	127010	55.110	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.527	75	521	0.206	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.192	180	2586	0.527	ug/l	97
95) Naphthalene	15.433	128	18031	0.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.615	180	3666	0.700	ug/l	92

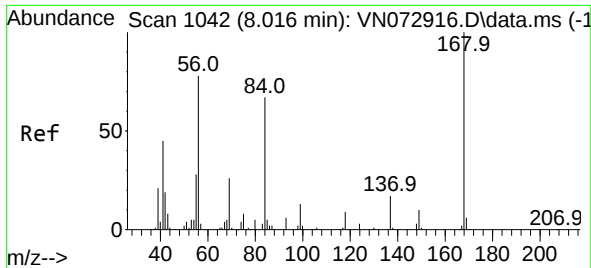
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 18 06:22:45 2022
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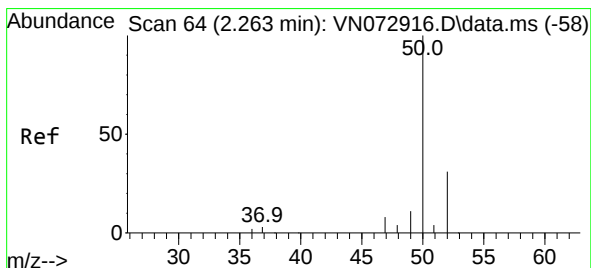
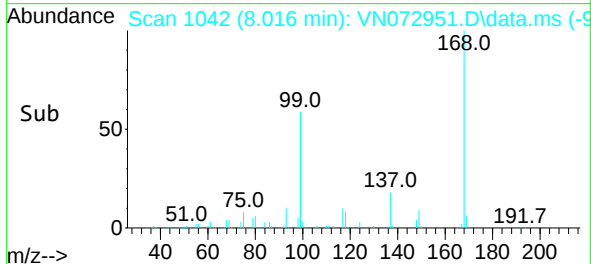
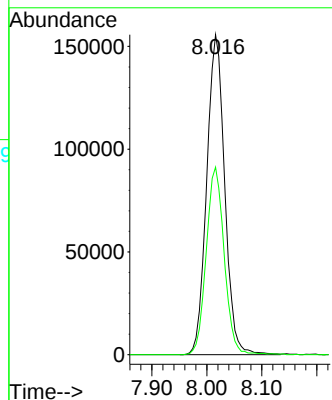
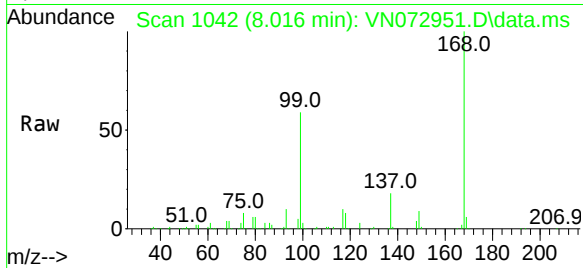




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

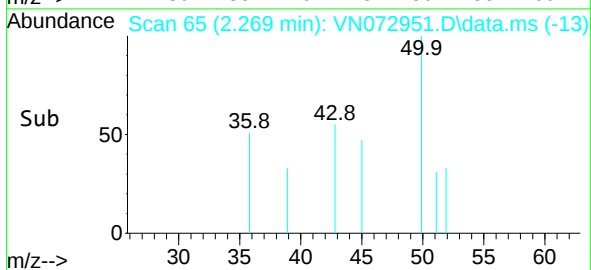
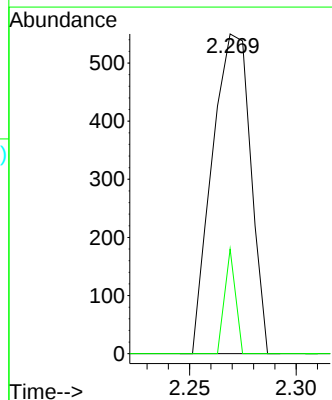
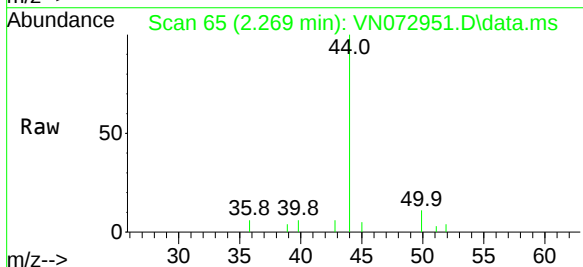
Instrument :
MSVOA_N
ClientSampleId :
MJS-TWP-02

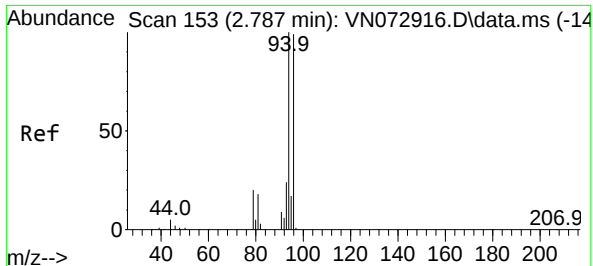
Tgt Ion:168 Resp: 354335
Ion Ratio Lower Upper
168 100
99 58.6 42.3 63.5



#3
Chloromethane
Concen: 0.757 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

Tgt Ion: 50 Resp: 690
Ion Ratio Lower Upper
50 100
52 32.7 25.7 38.5

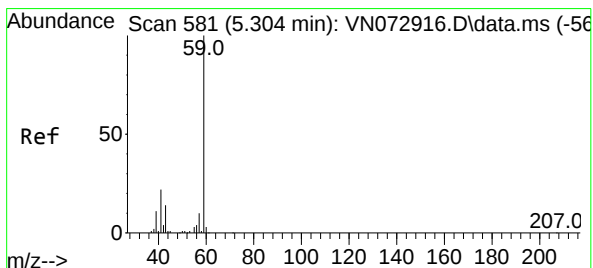
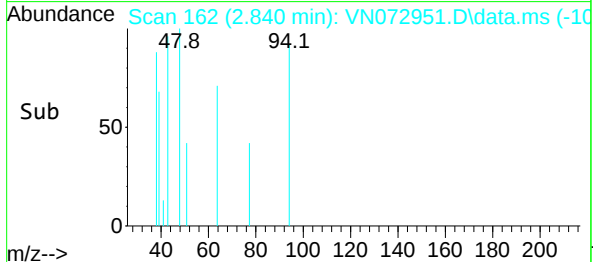
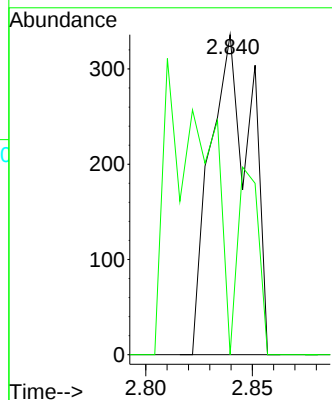
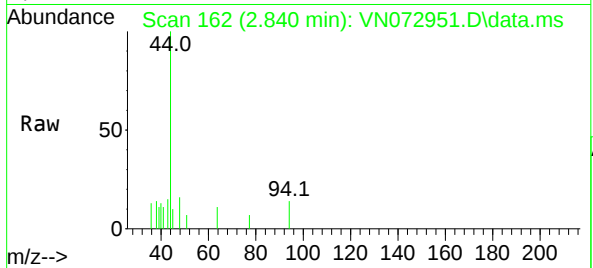




#5
Bromomethane
Concen: 0.374 ug/l
RT: 2.840 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

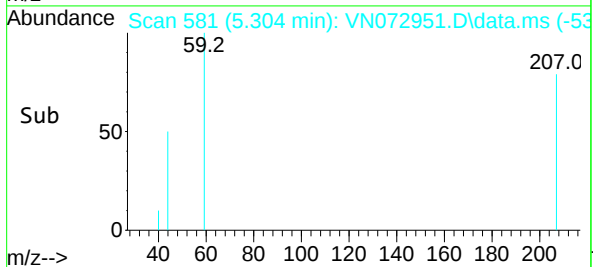
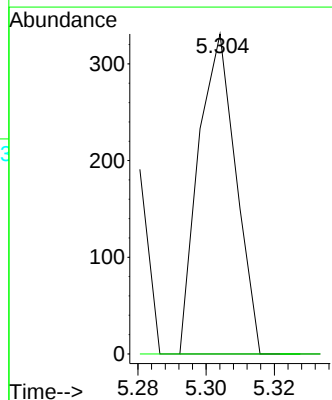
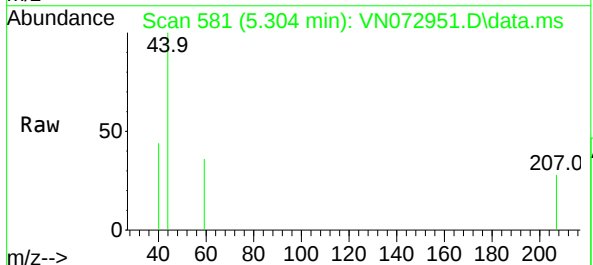
Instrument :
MSVOA_N
ClientSampleId :
MJS-TWP-02

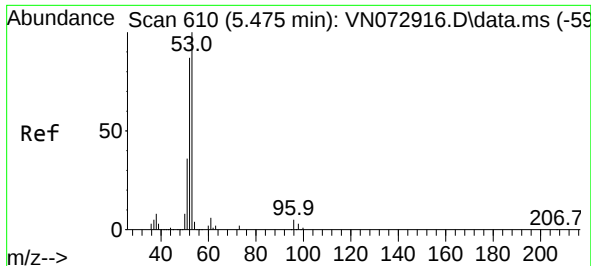
Tgt Ion: 94 Resp: 445
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#11
Tert butyl alcohol
Concen: 0.204 ug/l
RT: 5.304 min Scan# 581
Delta R.T. -0.000 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

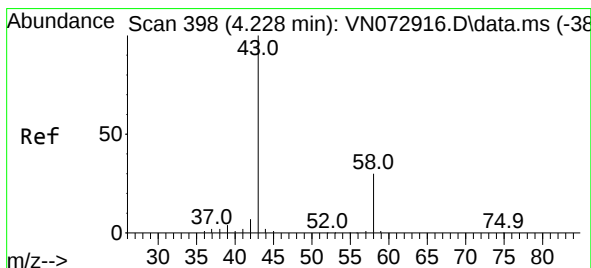
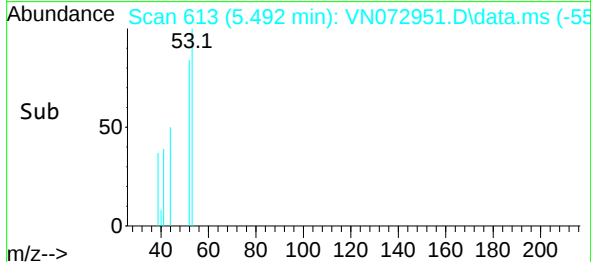
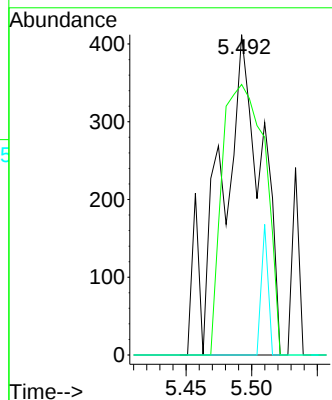
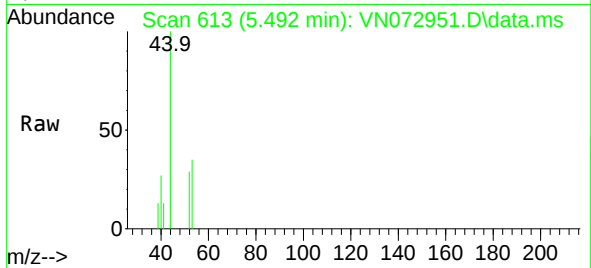




#15
Acrylonitrile
Concen: 0.317 ug/l
RT: 5.492 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

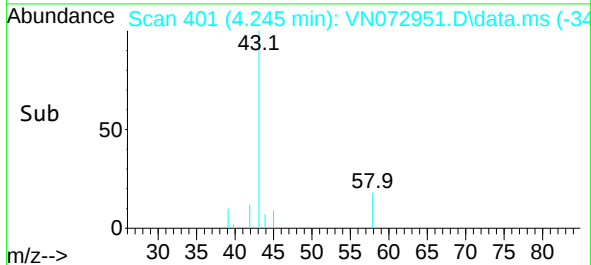
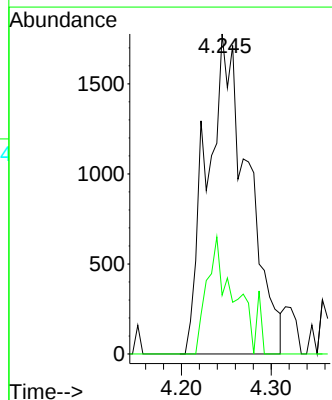
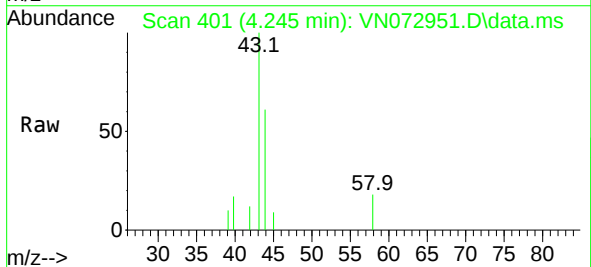
Instrument :
MSVOA_N
ClientSampleId :
MJS-TWP-02

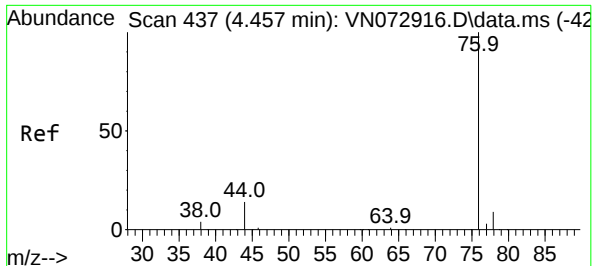
Tgt Ion: 53 Resp: 903
Ion Ratio Lower Upper
53 100
52 87.2 66.4 99.6
51 6.5 28.5 42.7#



#16
Acetone
Concen: 2.147 ug/l
RT: 4.245 min Scan# 401
Delta R.T. 0.018 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

Tgt Ion: 43 Resp: 5653
Ion Ratio Lower Upper
43 100
58 18.3 26.0 39.0#

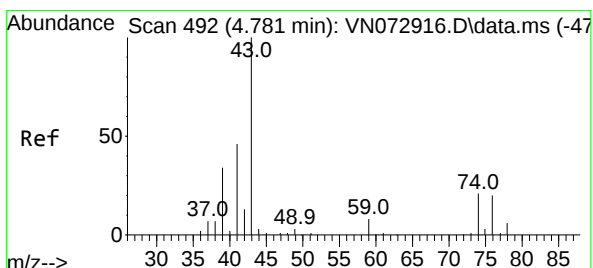
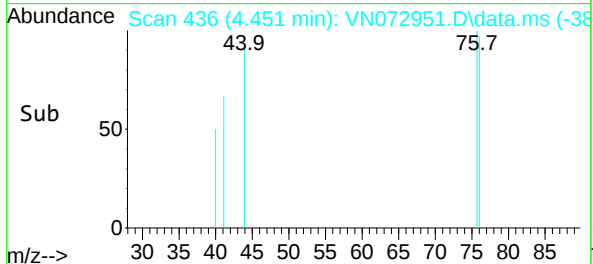
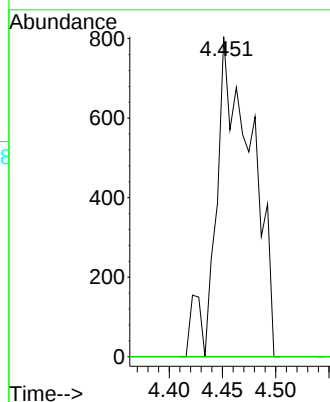
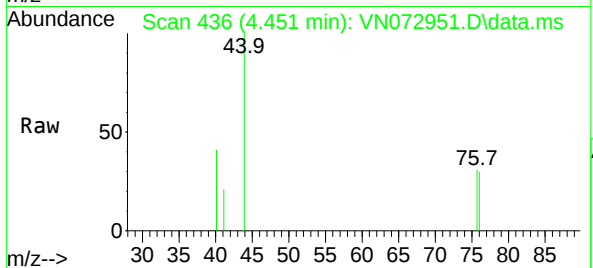




#17
Carbon Disulfide
Concen: 0.217 ug/l
RT: 4.451 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

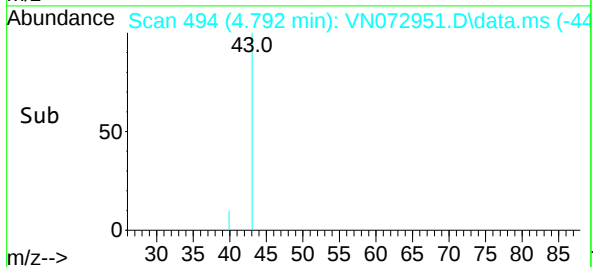
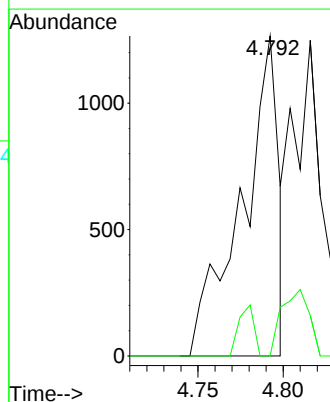
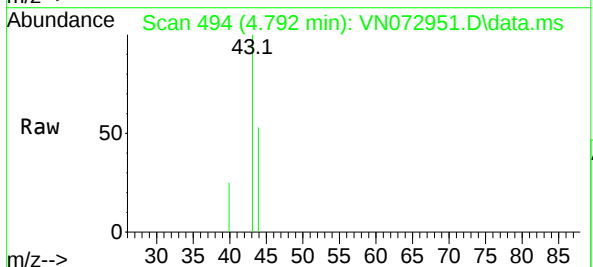
Instrument :
MSVOA_N
ClientSampleId :
MJS-TWP-02

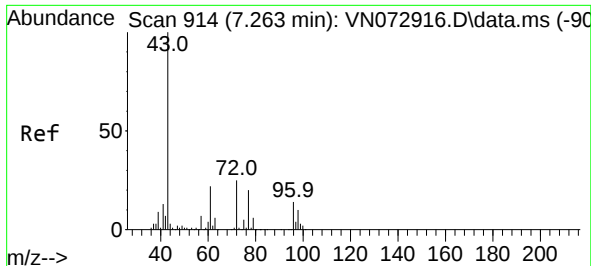
Tgt Ion: 76 Resp: 1890
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.270 ug/l
RT: 4.792 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

Tgt Ion: 43 Resp: 1892
Ion Ratio Lower Upper
43 100
74 6.7 21.6 32.4#





#25

2-Butanone

Concen: 0.240 ug/l

RT: 7.269 min Scan# 914

Delta R.T. 0.006 min

Lab File: VN072951.D

Acq: 20 Jun 2022 11:02

Instrument :

MSVOA_N

ClientSampleId :

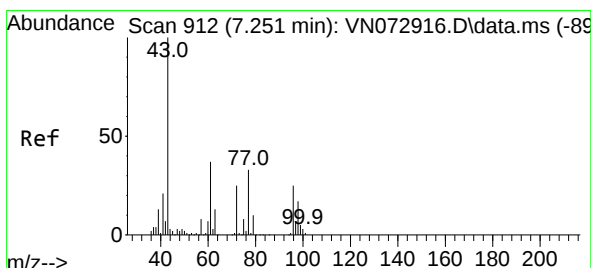
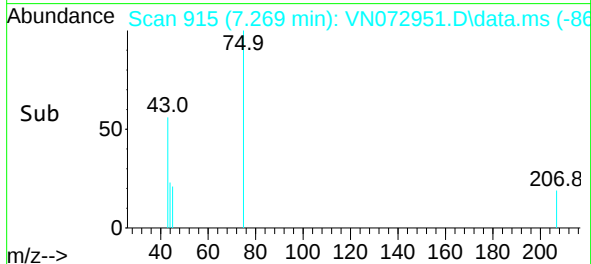
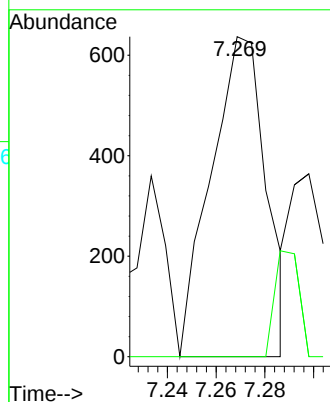
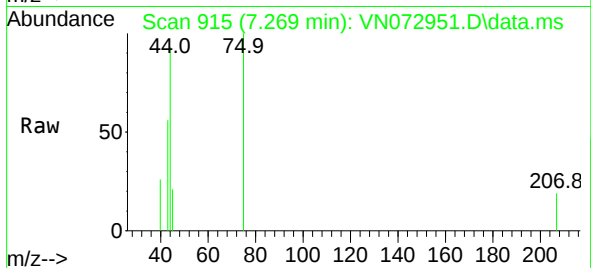
MJS-TWP-02

Tgt Ion: 43 Resp: 1004

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.239 min Scan# 910

Delta R.T. -0.012 min

Lab File: VN072951.D

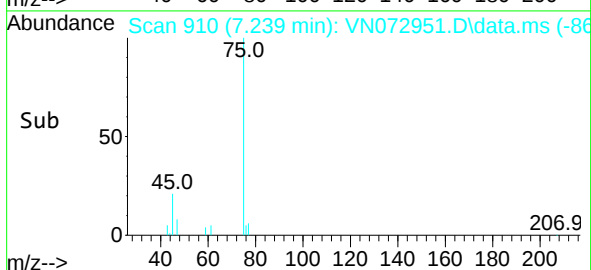
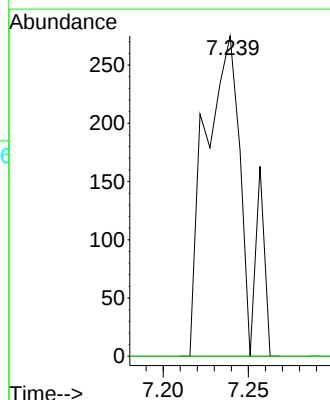
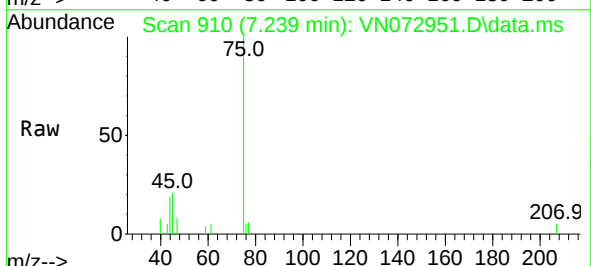
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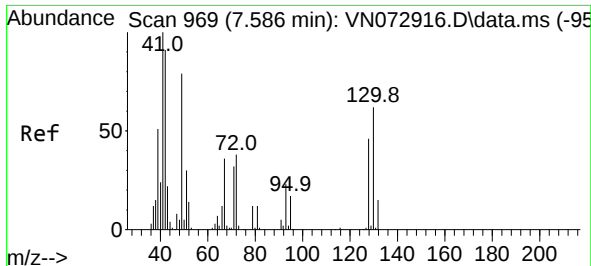
Tgt Ion: 77 Resp: 436

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#

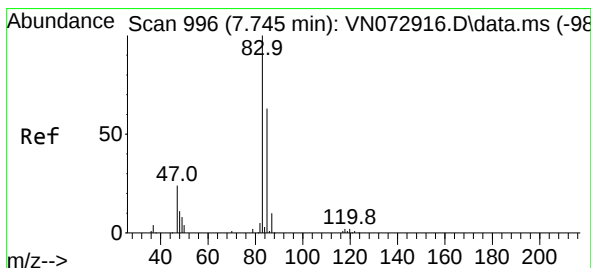
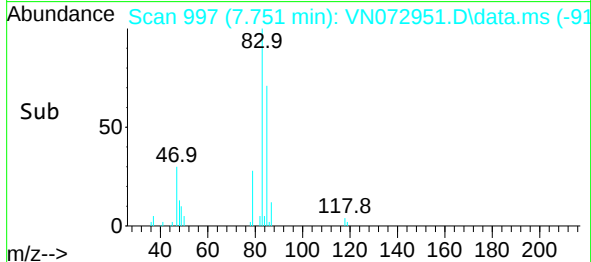
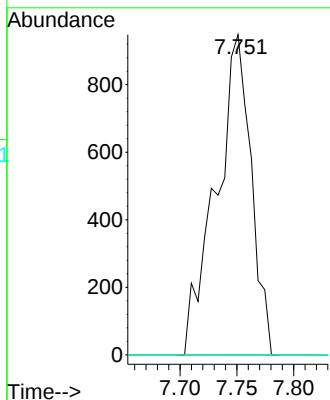
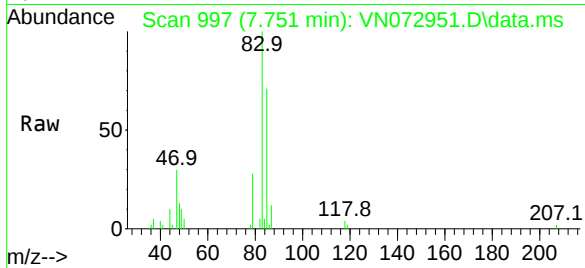




#28
Bromochloromethane
Concen: 0.695 ug/l
RT: 7.751 min Scan# 997
Delta R.T. 0.165 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

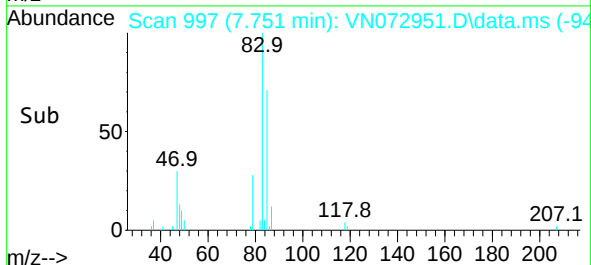
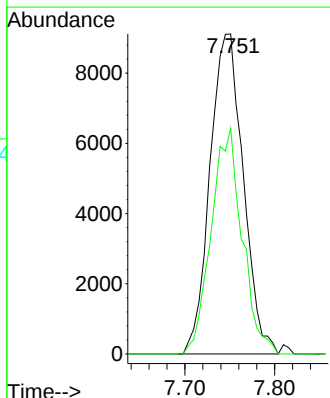
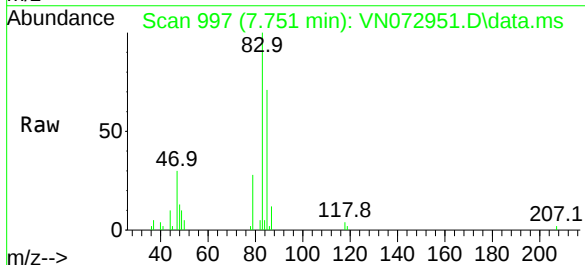
Instrument :
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MJS-TWP-02

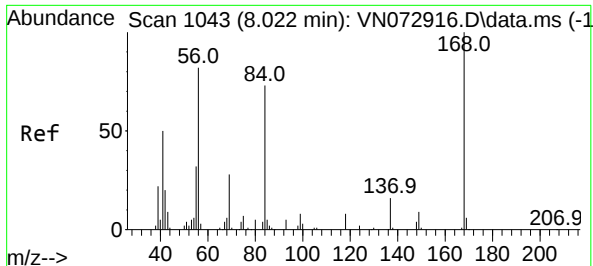
Tgt Ion: 49 Resp: 2037
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#



#30
Chloroform
Concen: 3.271 ug/l
RT: 7.751 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

Tgt Ion: 83 Resp: 23460
Ion Ratio Lower Upper
83 100
85 70.6 51.8 77.8





#31

Cyclohexane

Concen: 1.171 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN072951.D

Acq: 20 Jun 2022 11:02

Instrument :

MSVOA_N

ClientSampleId :

MJS-TWP-02

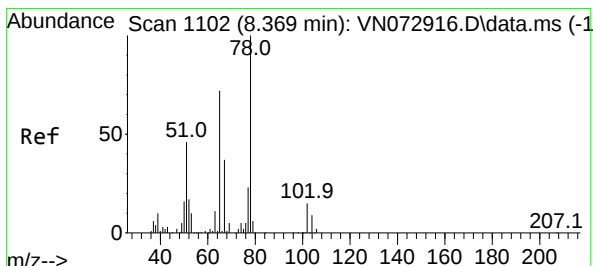
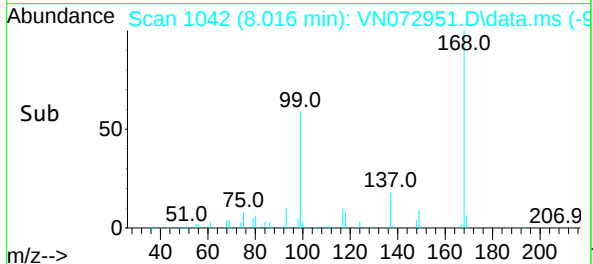
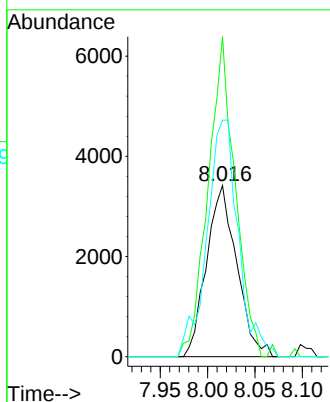
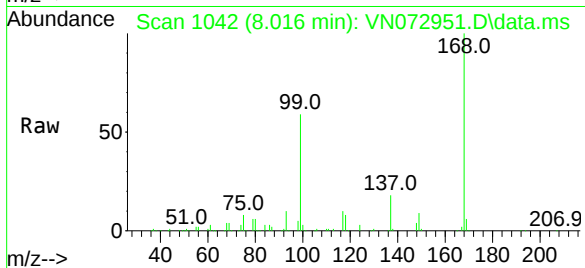
Tgt Ion: 56 Resp: 7591

Ion Ratio Lower Upper

56 100

69 186.9 27.8 41.8#

84 138.1 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 42.476 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN072951.D

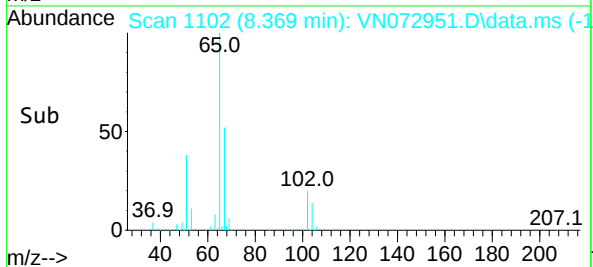
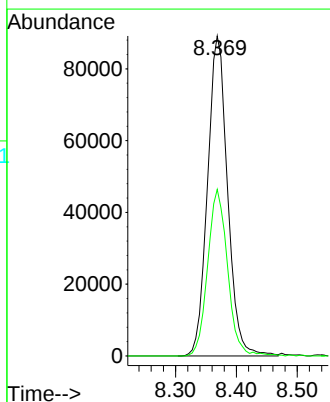
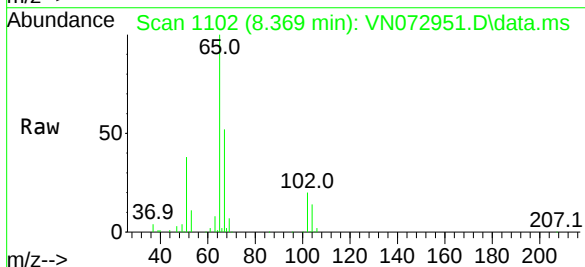
Acq: 20 Jun 2022 11:02

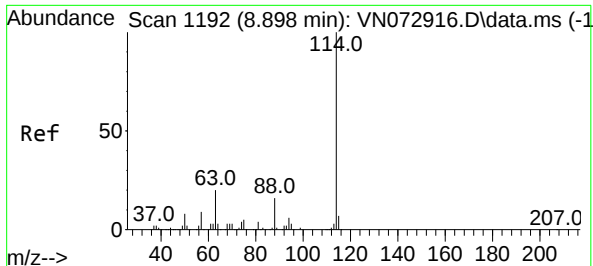
Tgt Ion: 65 Resp: 203480

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VN072951.D

Acq: 20 Jun 2022 11:02

Instrument :

MSVOA_N

ClientSampleId :

MJS-TWP-02

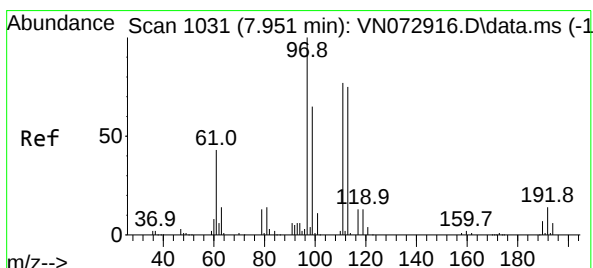
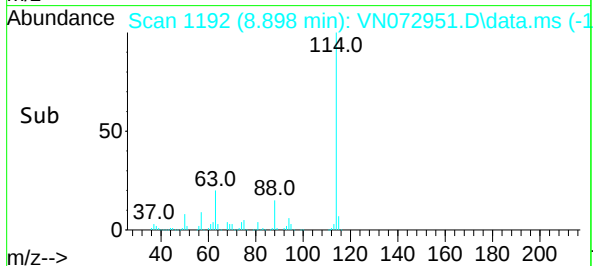
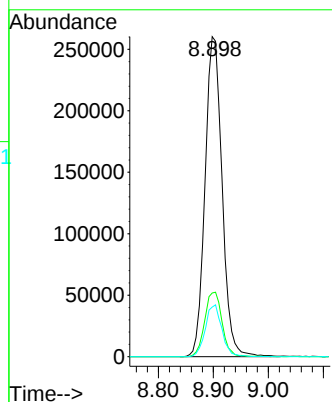
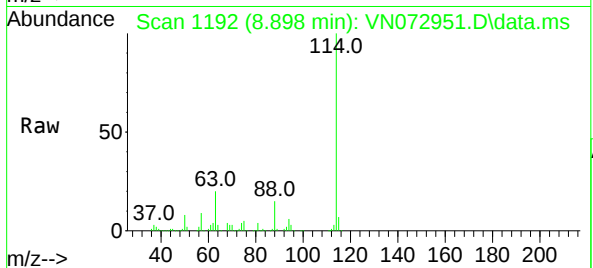
Tgt Ion:114 Resp: 561771

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.169 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN072951.D

Acq: 20 Jun 2022 11:02

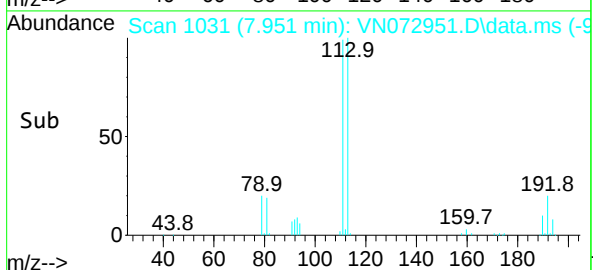
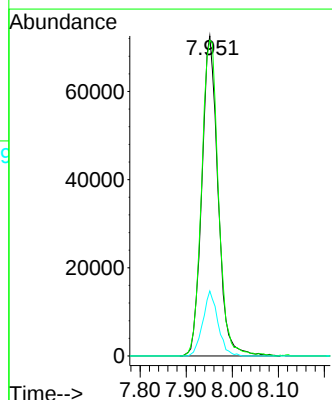
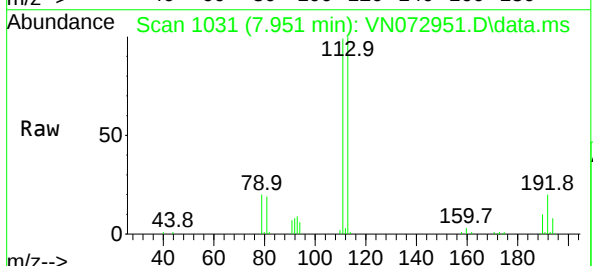
Tgt Ion:113 Resp: 177672

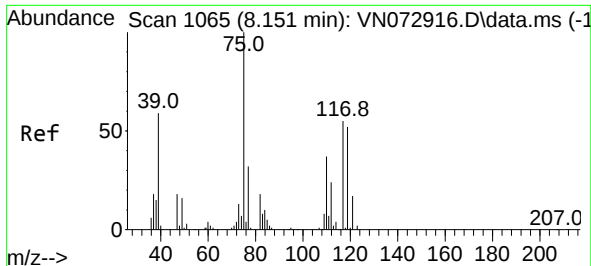
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 19.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 6.168 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN072951.D

Acq: 20 Jun 2022 11:02

Instrument :

MSVOA_N

ClientSampleId :

MJS-TWP-02

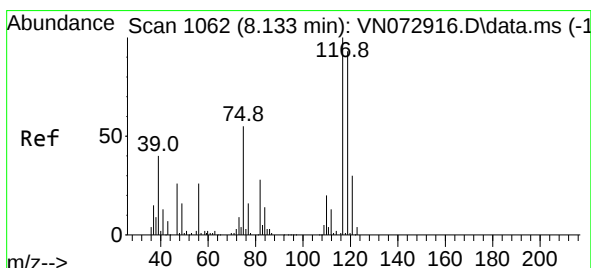
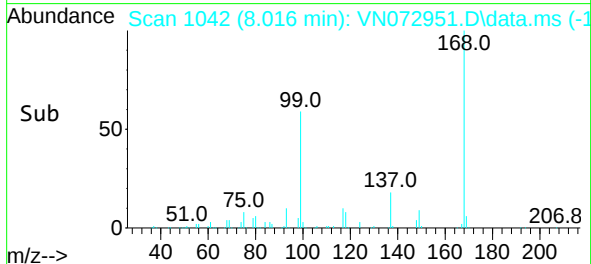
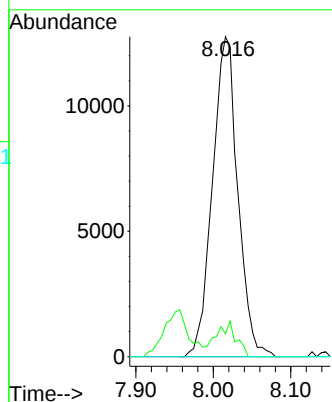
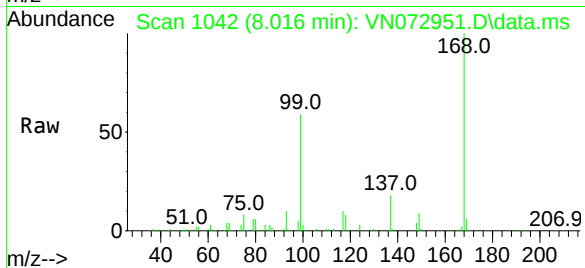
Tgt Ion: 75 Resp: 28978

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.148 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN072951.D

Acq: 20 Jun 2022 11:02

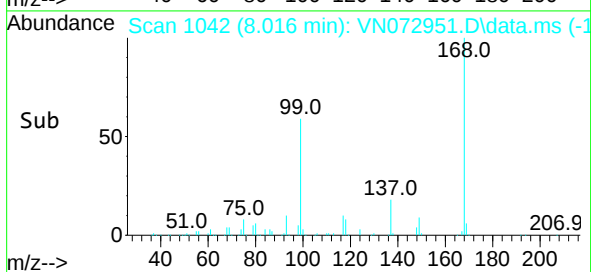
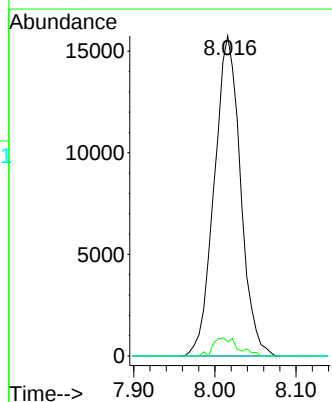
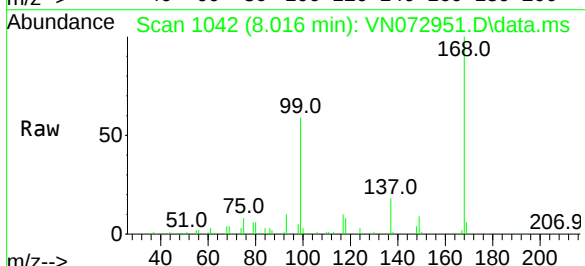
Tgt Ion: 117 Resp: 35326

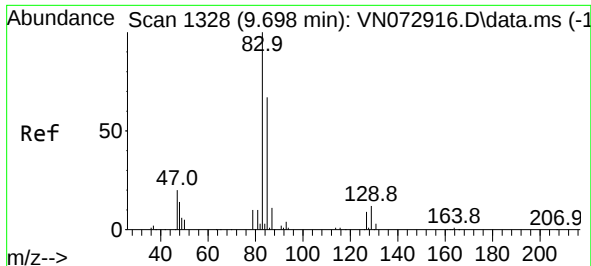
Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.8#

121 0.0 24.6 37.0#

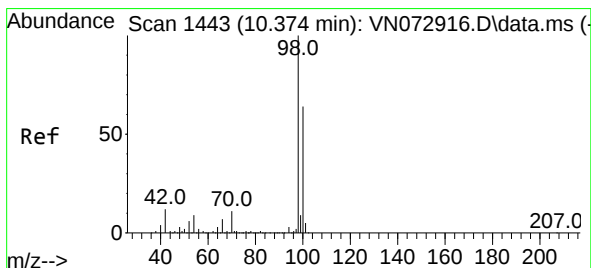
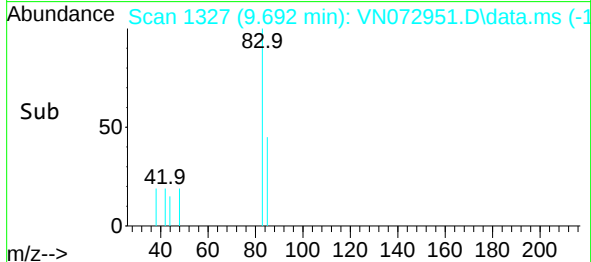
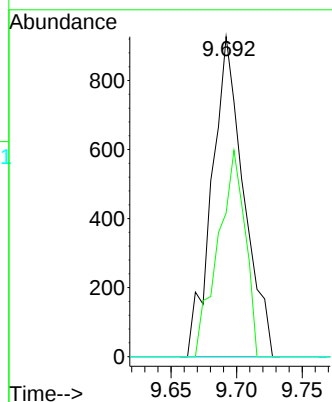
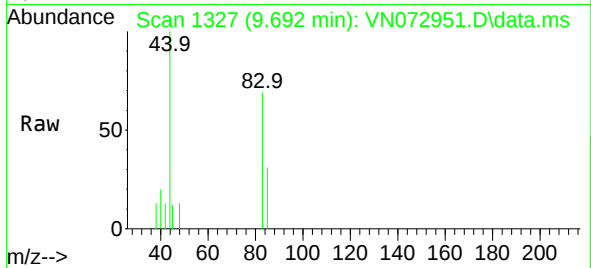




#47
Bromodichloromethane
Concen: 0.307 ug/l
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

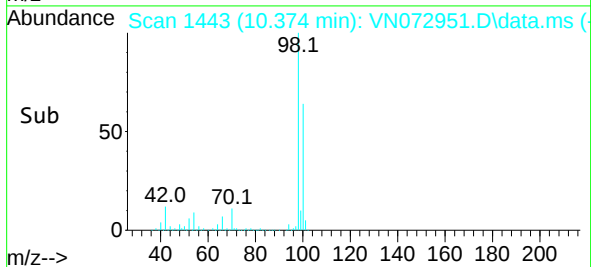
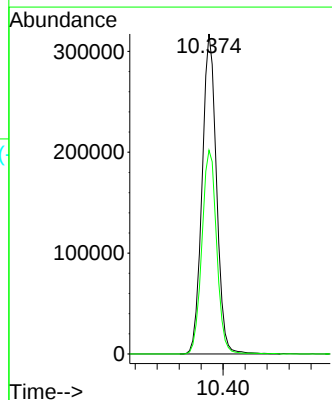
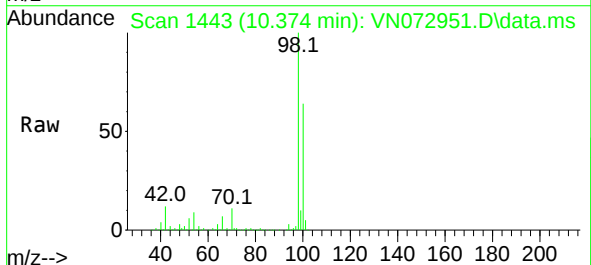
Instrument :
MSVOA_N
ClientSampleId :
MJS-TWP-02

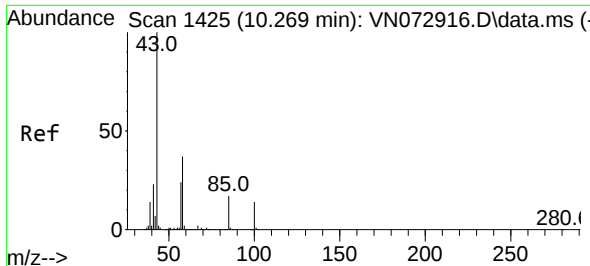
Tgt Ion: 83 Resp: 1556
Ion Ratio Lower Upper
83 100
85 44.9 50.5 75.7#
127 0.0 6.8 10.2#



#50
Toluene-d8
Concen: 44.606 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

Tgt Ion: 98 Resp: 576318
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8

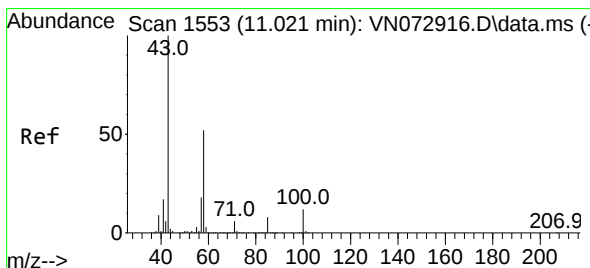
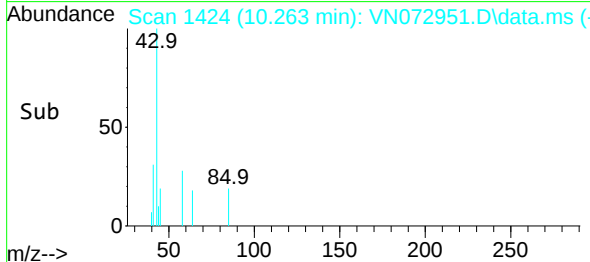
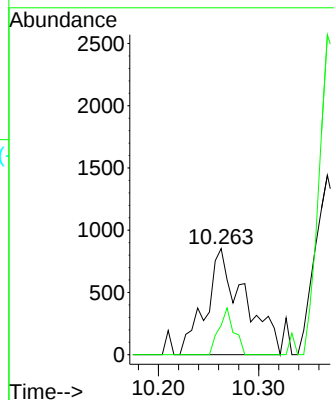
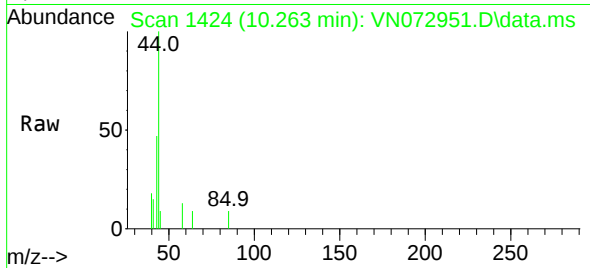




#51
4-Methyl-2-Pentanone
Concen: 0.326 ug/l
RT: 10.263 min Scan# 1424
Delta R.T. -0.006 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

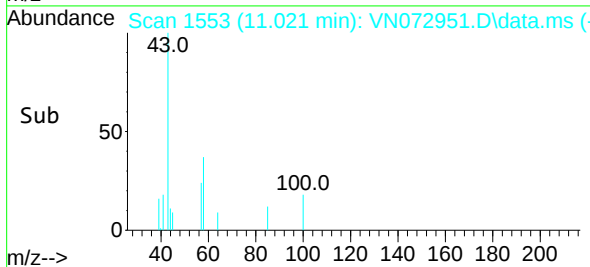
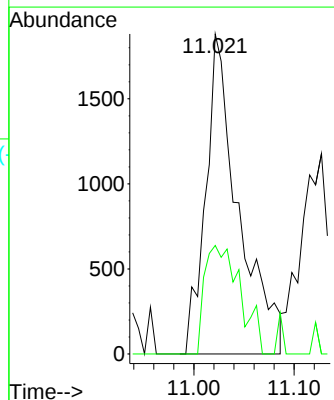
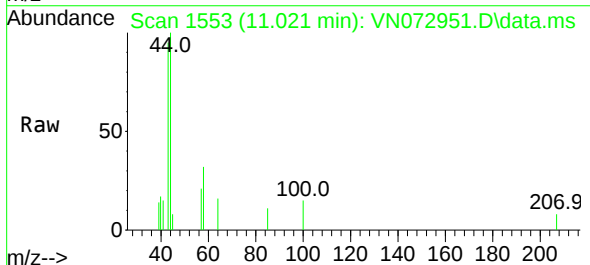
Instrument :
MSVOA_N
ClientSampleId :
MJS-TWP-02

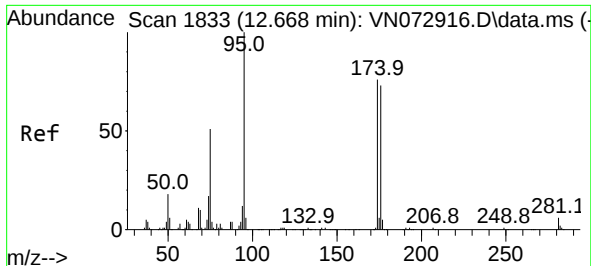
Tgt Ion: 43 Resp: 2286
Ion Ratio Lower Upper
43 100
58 17.0 34.1 51.1#



#59
2-Hexanone
Concen: 0.791 ug/l
RT: 11.021 min Scan# 1553
Delta R.T. -0.000 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

Tgt Ion: 43 Resp: 4284
Ion Ratio Lower Upper
43 100
58 36.6 29.7 89.1

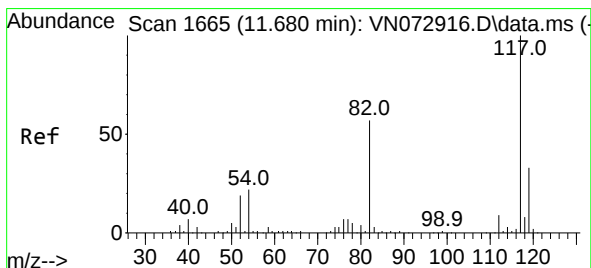
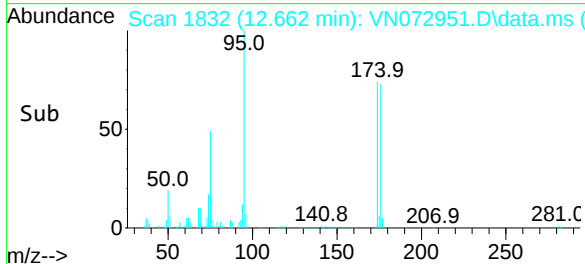
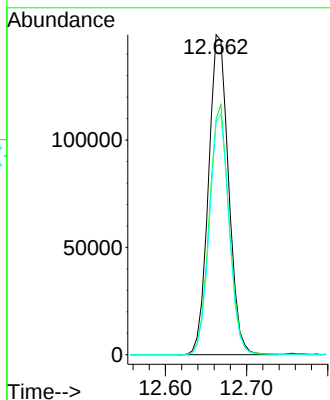
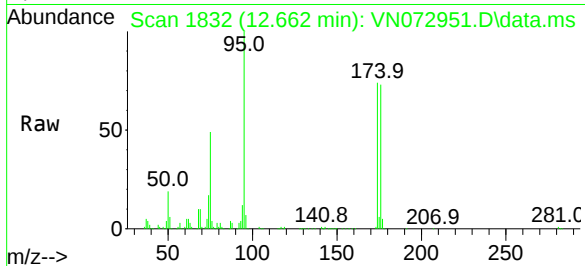




#62
4-Bromofluorobenzene
Concen: 55.041 ug/l
RT: 12.662 min Scan# 1832
Delta R.T. -0.006 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

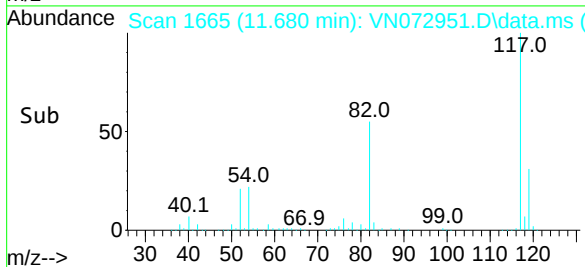
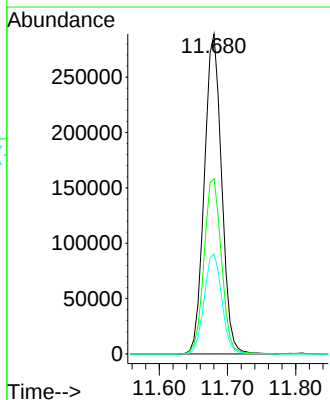
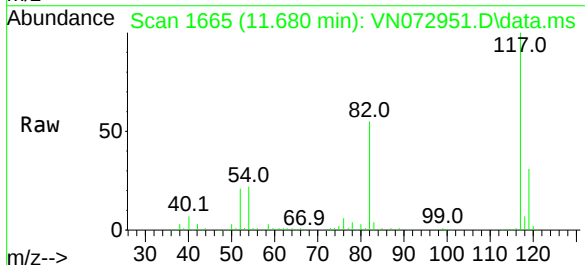
Instrument :
MSVOA_N
ClientSampleId :
MJS-TWP-02

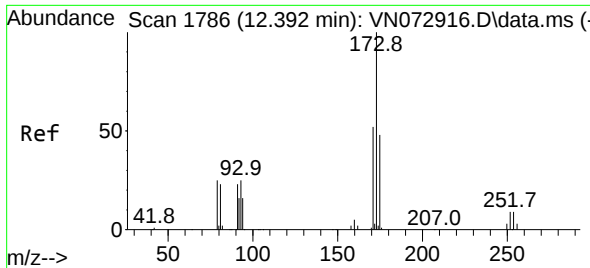
Tgt Ion: 95 Resp: 255718
Ion Ratio Lower Upper
95 100
174 76.8 0.0 167.6
176 74.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

Tgt Ion: 117 Resp: 509605
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 31.3 25.4 38.0

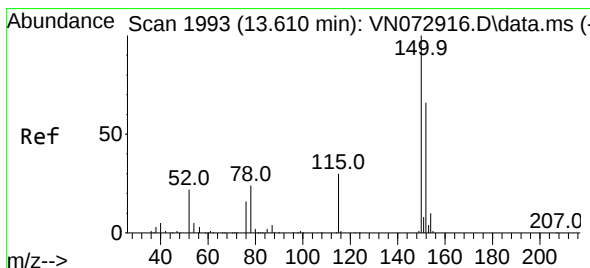
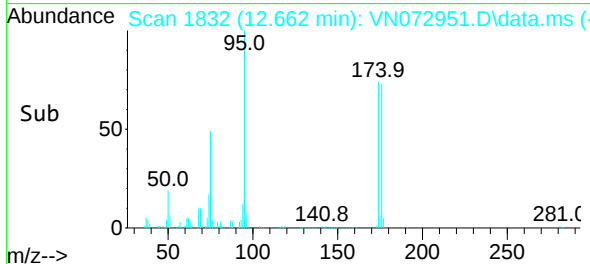
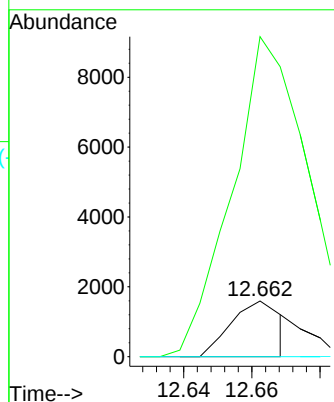
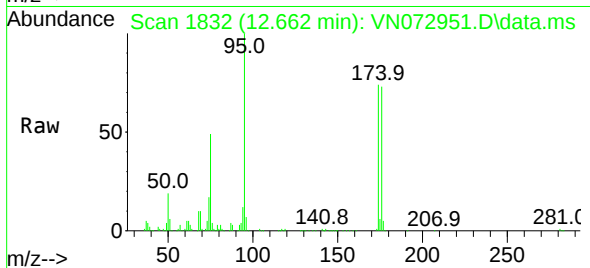




#71
Bromoform
Concen: 0.574 ug/l
RT: 12.662 min Scan# 1832
Delta R.T. 0.270 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

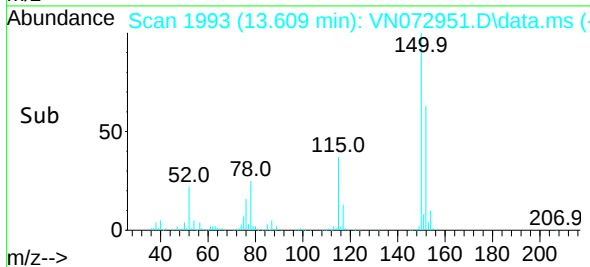
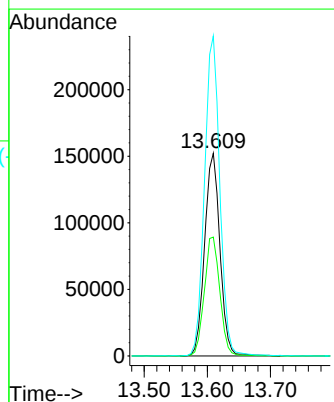
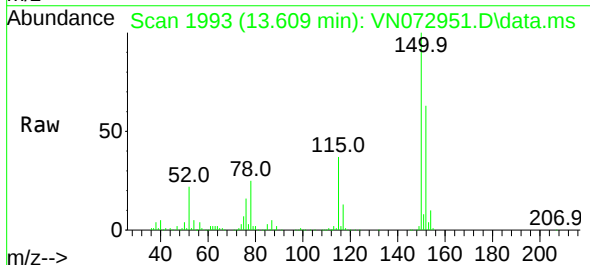
Instrument :
MSVOA_N
ClientSampleId :
MJS-TWP-02

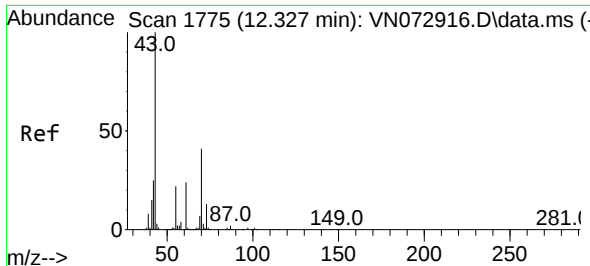
Tgt Ion:173 Resp: 1638
Ion Ratio Lower Upper
173 100
175 606.7 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.609 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

Tgt Ion:152 Resp: 256714
Ion Ratio Lower Upper
152 100
115 59.5 28.9 86.7
150 157.6 0.0 356.2

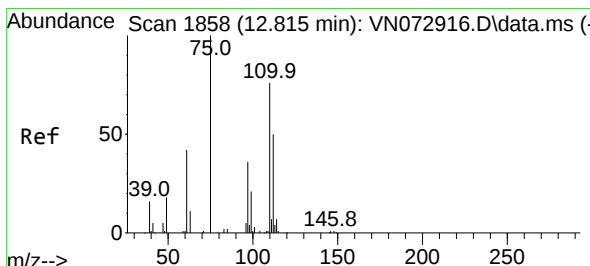
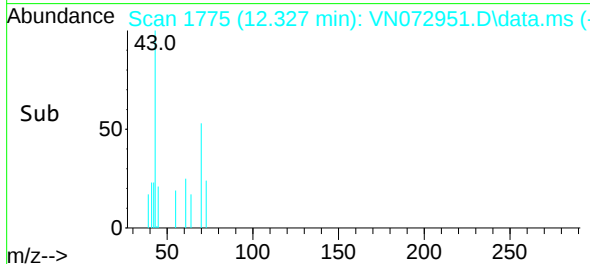
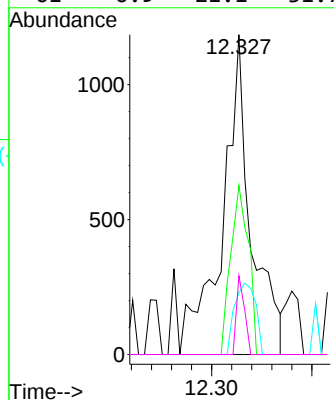
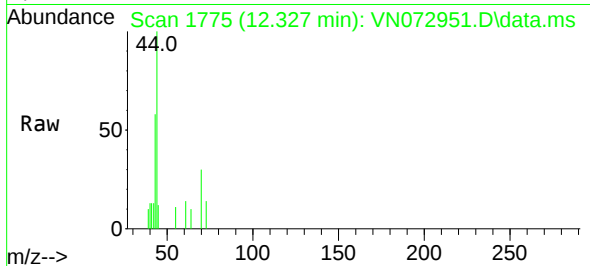




#74
N-amy1 acetate
Concen: 0.228 ug/l
RT: 12.327 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

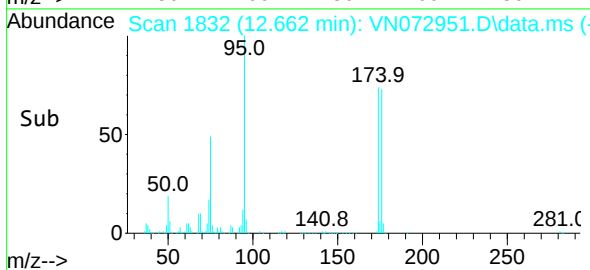
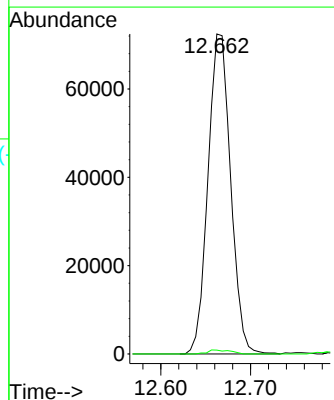
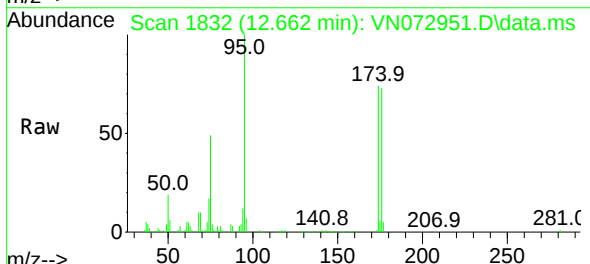
Instrument :
MSVOA_N
ClientSampleId :
MJS-TWP-02

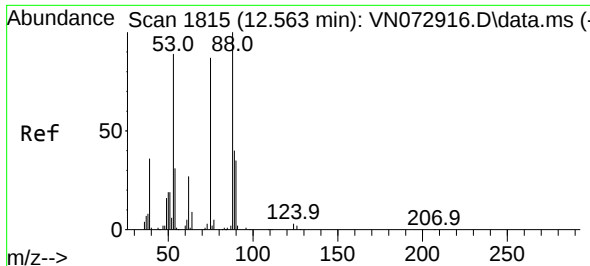
Tgt Ion:	43	Resp:	2348
Ion	Ratio	Lower	Upper
43	100		
70	32.8	39.0	58.4#
55	16.4	21.1	31.7#
61	6.9	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 20.406 ug/l
RT: 12.662 min Scan# 1832
Delta R.T. -0.153 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

Tgt Ion:	75	Resp:	127010
Ion	Ratio	Lower	Upper
75	100		
77	1.3	98.5	295.5#

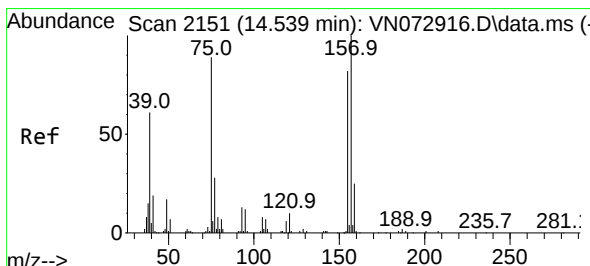
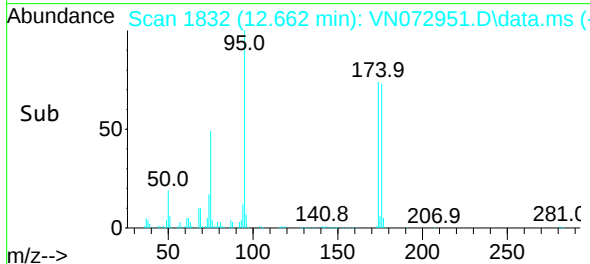
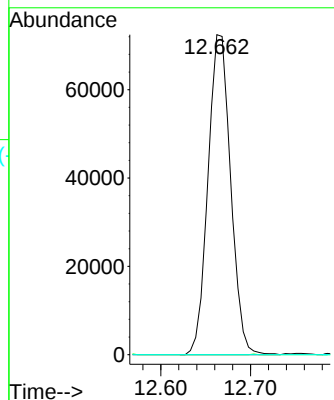
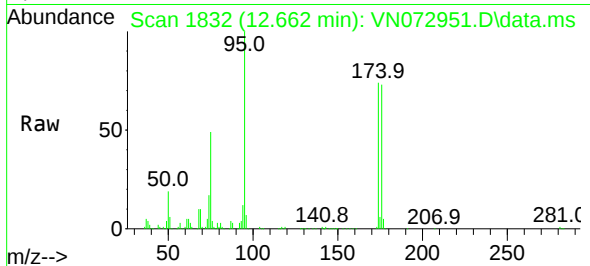




#81
trans-1,4-Dichloro-2-butene
Concen: 55.110 ug/l
RT: 12.662 min Scan# 11
Delta R.T. 0.100 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

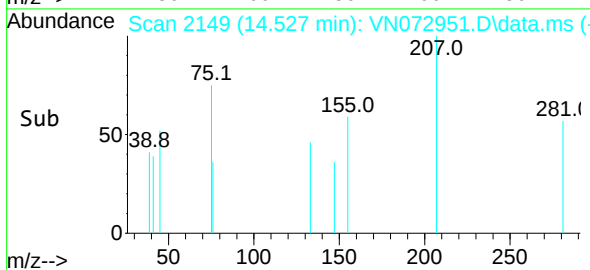
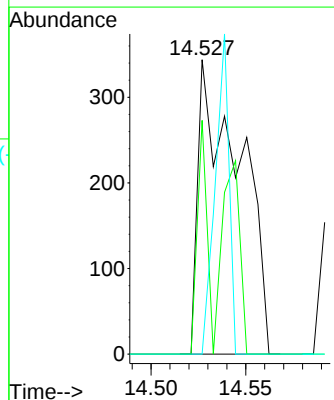
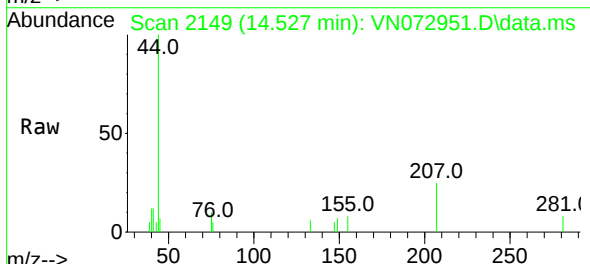
Instrument :
MSVOA_N
ClientSampleId :
MJS-TWP-02

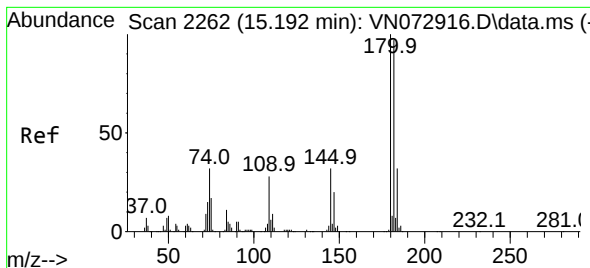
Tgt Ion: 75 Resp: 127010
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.206 ug/l
RT: 14.527 min Scan# 2149
Delta R.T. -0.012 min
Lab File: VN072951.D
Acq: 20 Jun 2022 11:02

Tgt Ion: 75 Resp: 521
Ion Ratio Lower Upper
75 100
155 18.4 44.9 134.5#
157 0.0 59.0 176.8#





#93

1,2,4-Trichlorobenzene

Concen: 0.527 ug/l

RT: 15.192 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN072951.D

Acq: 20 Jun 2022 11:02

Instrument :

MSVOA_N

ClientSampleId :

MJS-TWP-02

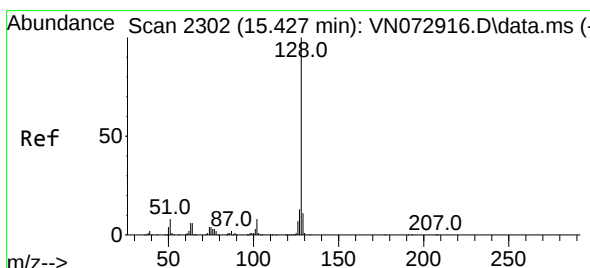
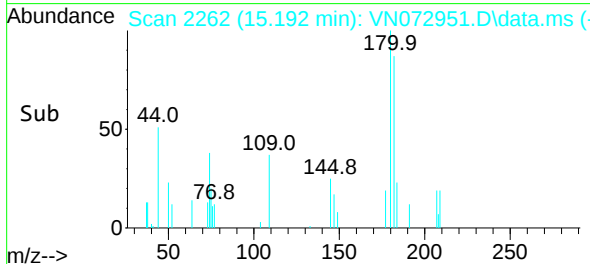
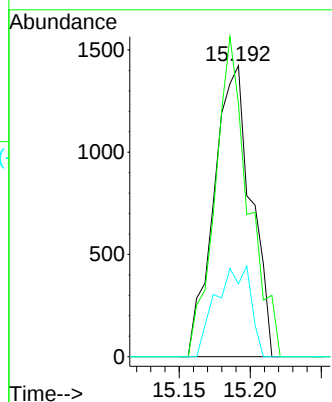
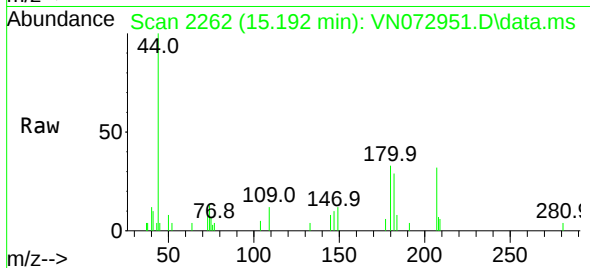
Tgt Ion:180 Resp: 2586

Ion Ratio Lower Upper

180 100

182 99.1 47.5 142.5

145 29.1 14.5 43.5



#95

Naphthalene

Concen: 0.909 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN072951.D

Acq: 20 Jun 2022 11:02

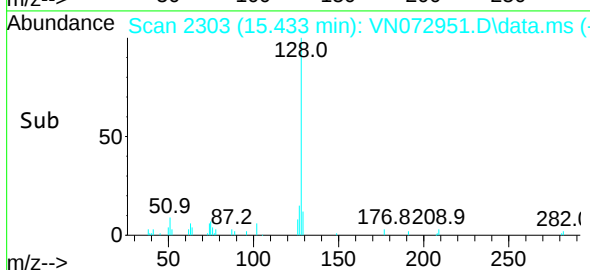
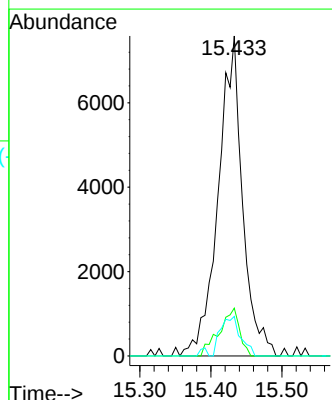
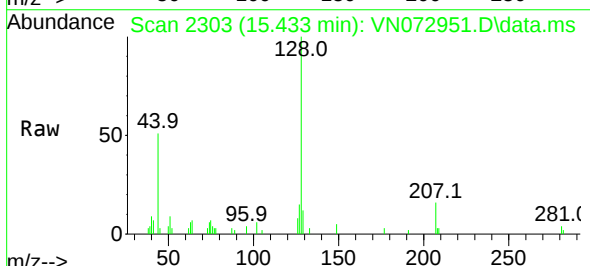
Tgt Ion:128 Resp: 18031

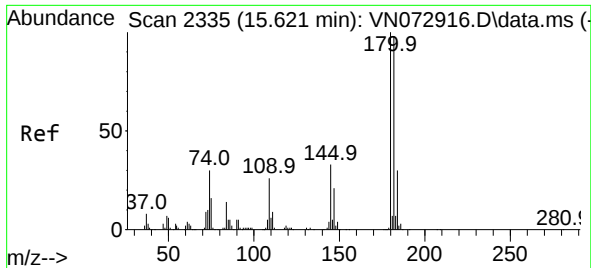
Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 10.2 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.700 ug/l
 RT: 15.615 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN072951.D
 Acq: 20 Jun 2022 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 MJS-TWP-02

Tgt Ion:180 Resp: 3666
 Ion Ratio Lower Upper
 180 100
 182 87.9 47.8 143.3
 145 25.2 15.5 46.5

