

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070122\
 Data File : VN073303.D
 Acq On : 01 Jul 2022 17:39
 Operator : JC\MD
 Sample : N3569-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 152140-SPC-05-80

Quant Time: Jul 04 05:07:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

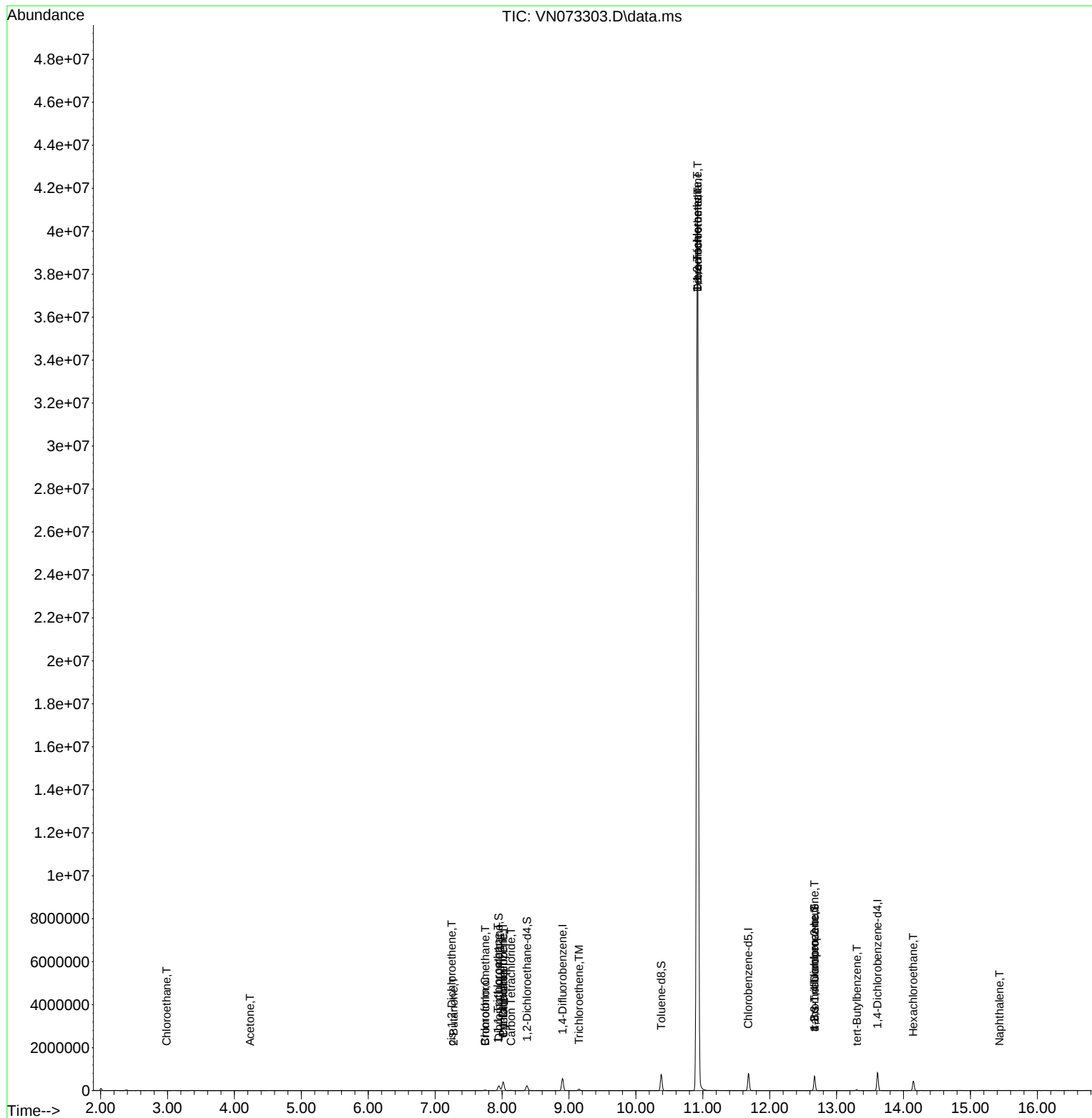
Internal Standards						
1) Pentafluorobenzene	8.016	168	303302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	497962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	452615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	221850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	189900	43.371	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.740%		
35) Dibromofluoromethane	7.951	113	159458	48.131	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.260%		
50) Toluene-d8	10.380	98	522030	44.365	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.740%		
62) 4-Bromofluorobenzene	12.668	95	229357	50.721	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.440%		
Target Compounds					Qvalue	
6) Chloroethane	2.987	64	495	0.230	ug/l #	42
16) Acetone	4.234	43	3942	1.604	ug/l	93
25) 2-Butanone	7.275	43	809	0.207	ug/l #	45
27) cis-1,2-Dichloroethene	7.245	96	962	0.213	ug/l	79
28) Bromochloromethane	7.751	49	2354	0.774	ug/l #	8
30) Chloroform	7.745	83	28653	3.917	ug/l	99
31) Cyclohexane	8.022	56	7305	1.019	ug/l #	38
32) 1,1,1-Trichloroethane	7.939	97	8740	1.341	ug/l #	50
36) 1,1-Dichloropropene	8.016	75	25064	4.917	ug/l #	50
38) Carbon Tetrachloride	8.133	117	13820	2.622	ug/l #	95
44) Trichloroethene	9.151	130	25306	6.321	ug/l	91
55) 1,1,2-Trichloroethane	10.916	97	109495	27.356	ug/l #	1
60) Dibromochloromethane	10.922	129	9779012	2562.493	ug/l #	11
64) Tetrachloroethene	10.922	164	9478494	2564.574	ug/l	87
76) 1,2,3-Trichloropropane	12.668	75	119760	20.645	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	119760	56.618	ug/l #	10
83) tert-Butylbenzene	13.304	119	6036	0.431	ug/l #	37
90) Hexachloroethane	14.145	117	90602	32.015	ug/l	83
95) Naphthalene	15.433	128	6717	0.393	ug/l #	93

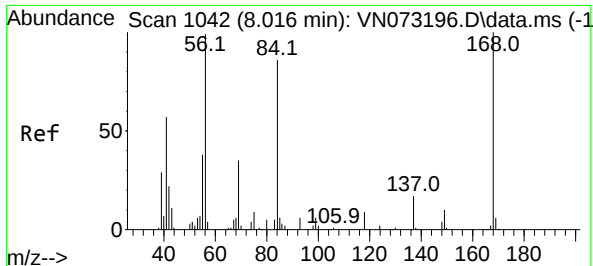
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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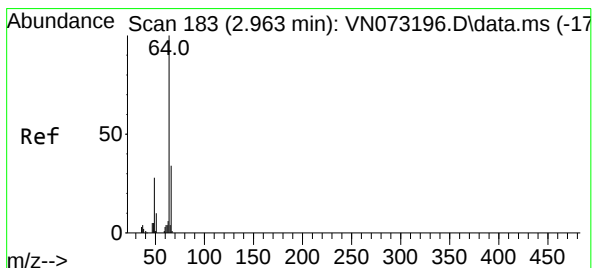
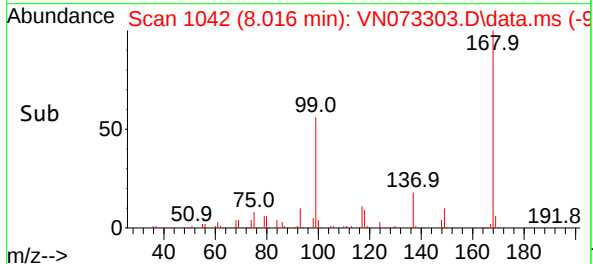
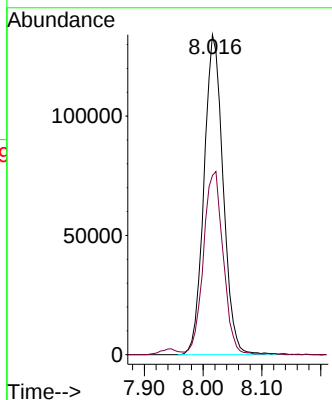
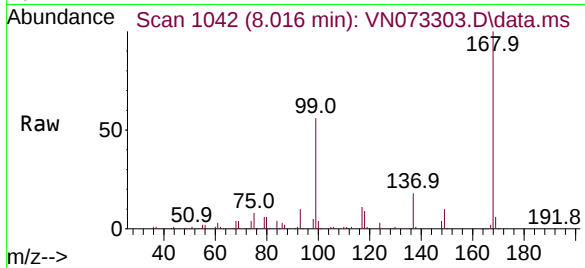




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073303.D
Acq: 01 Jul 2022 17:39

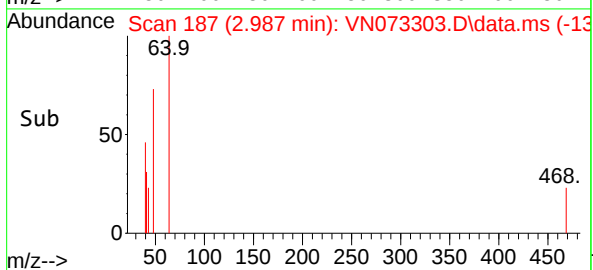
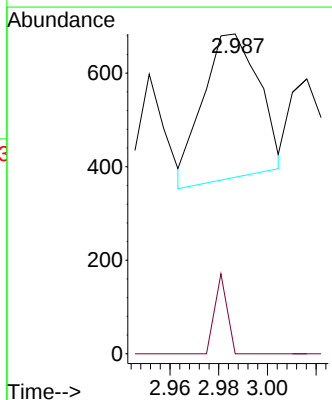
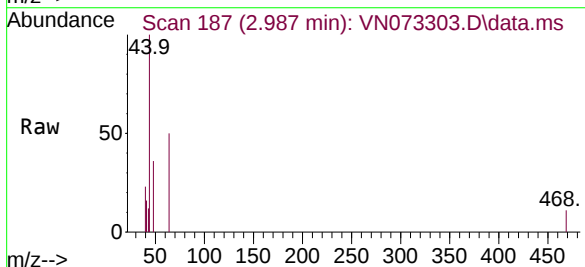
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80

Tgt Ion:168 Resp: 303302
Ion Ratio Lower Upper
168 100
99 55.9 42.3 63.5



#6
Chloroethane
Concen: 0.230 ug/l
RT: 2.987 min Scan# 187
Delta R.T. 0.024 min
Lab File: VN073303.D
Acq: 01 Jul 2022 17:39

Tgt Ion: 64 Resp: 495
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#16

Acetone

Concen: 1.604 ug/l

RT: 4.234 min Scan# 399

Delta R.T. 0.012 min

Lab File: VN073303.D

Acq: 01 Jul 2022 17:39

Instrument :

MSVOA_N

ClientSampleId :

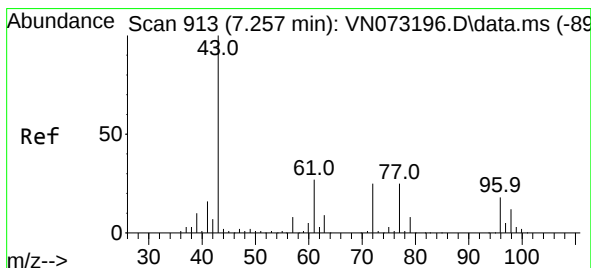
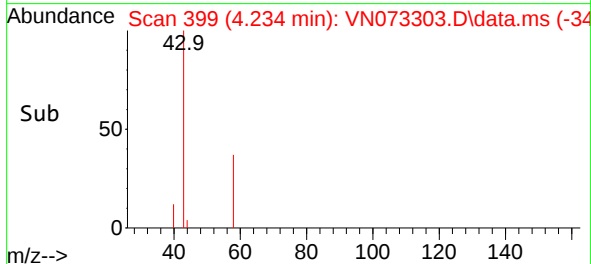
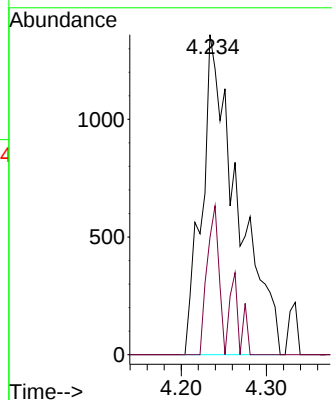
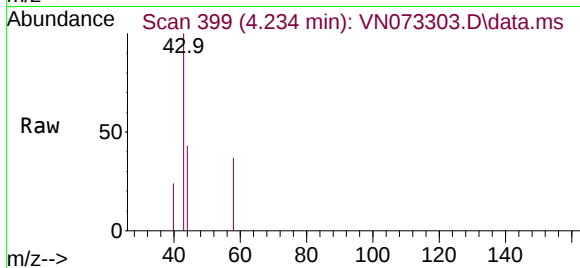
152140-SPC-05-80

Tgt Ion: 43 Resp: 3942

Ion Ratio Lower Upper

43 100

58 36.5 26.0 39.0



#25

2-Butanone

Concen: 0.207 ug/l

RT: 7.275 min Scan# 916

Delta R.T. 0.018 min

Lab File: VN073303.D

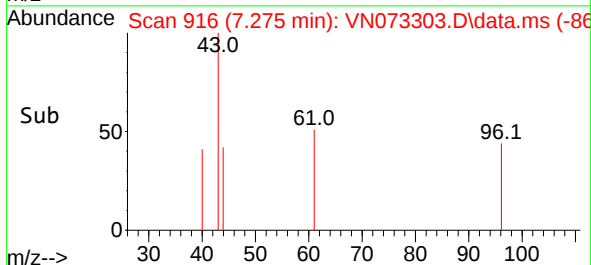
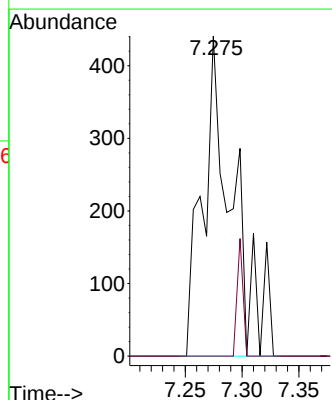
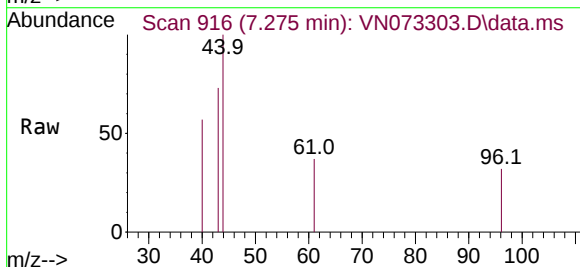
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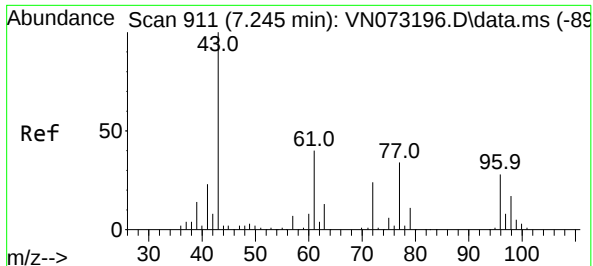
Tgt Ion: 43 Resp: 809

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#

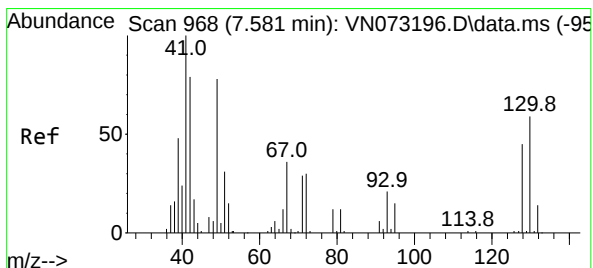
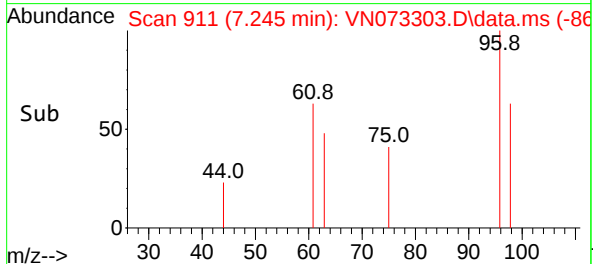
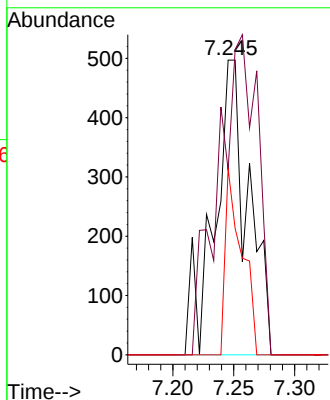
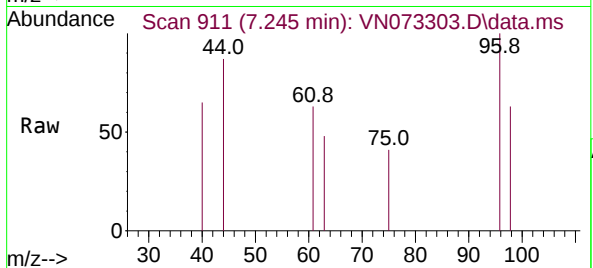




#27
 cis-1,2-Dichloroethene
 Concen: 0.213 ug/l
 RT: 7.245 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VN073303.D
 Acq: 01 Jul 2022 17:39

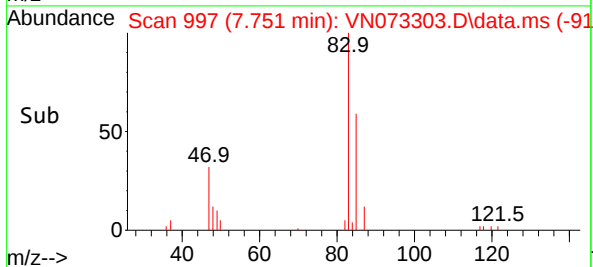
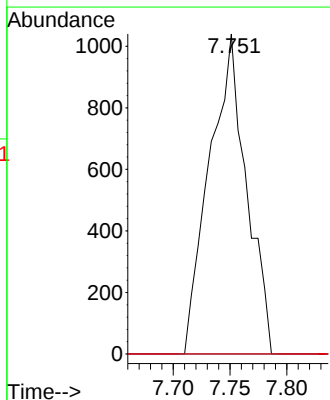
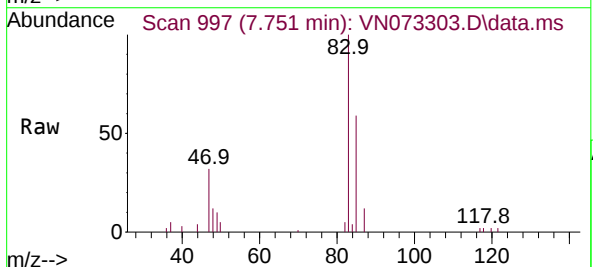
Instrument :
 MSVOA_N
 ClientSampleId :
 152140-SPC-05-80

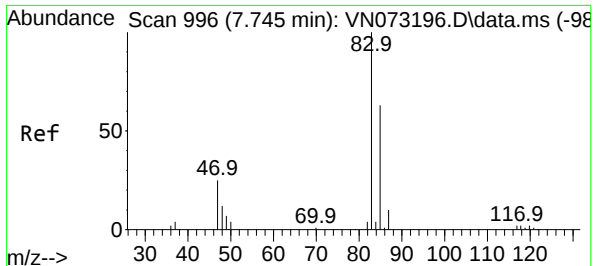
Tgt Ion:	96	Resp:	962
Ion	Ratio	Lower	Upper
96	100		
61	126.6	0.0	280.6
98	31.1	0.0	128.4



#28
 Bromochloromethane
 Concen: 0.774 ug/l
 RT: 7.751 min Scan# 997
 Delta R.T. 0.170 min
 Lab File: VN073303.D
 Acq: 01 Jul 2022 17:39

Tgt Ion:	49	Resp:	2354
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	0.0	69.7	104.5#





#30

Chloroform

Concen: 3.917 ug/l

RT: 7.745 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN073303.D

Acq: 01 Jul 2022 17:39

Instrument :

MSVOA_N

ClientSampleId :

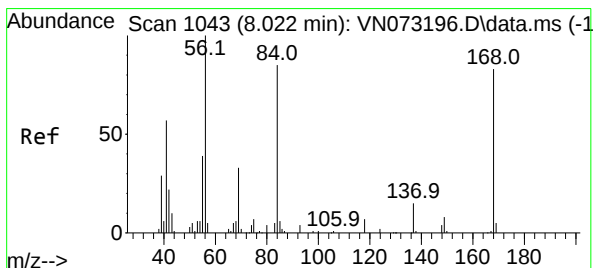
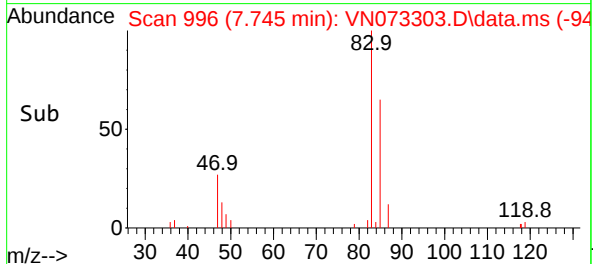
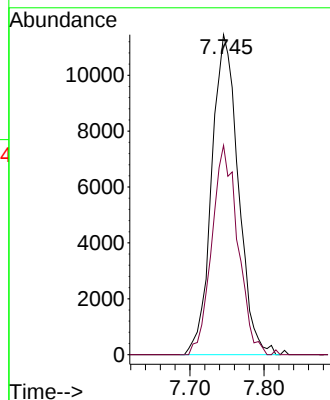
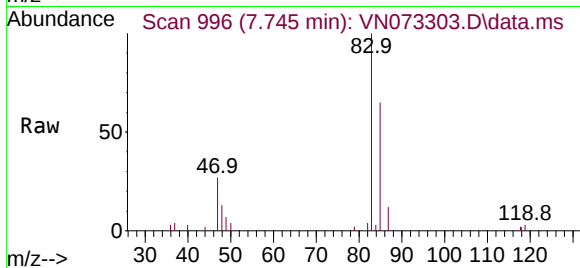
152140-SPC-05-80

Tgt Ion: 83 Resp: 28653

Ion Ratio Lower Upper

83 100

85 65.4 51.8 77.8



#31

Cyclohexane

Concen: 1.019 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073303.D

Acq: 01 Jul 2022 17:39

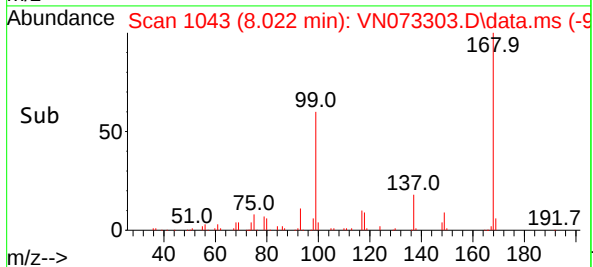
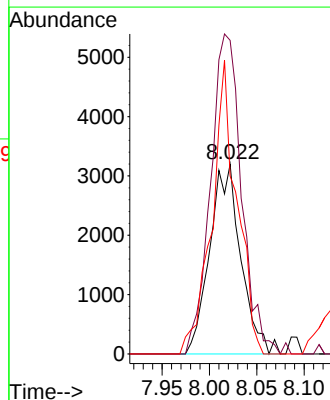
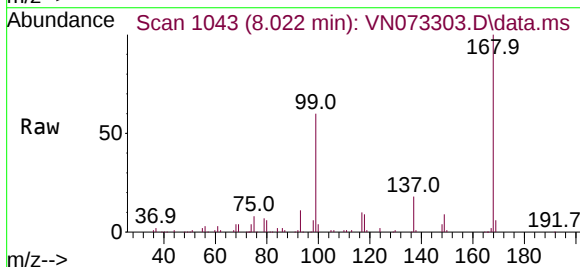
Tgt Ion: 56 Resp: 7305

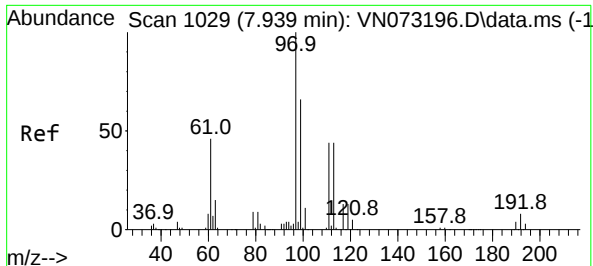
Ion Ratio Lower Upper

56 100

69 165.1 27.8 41.8#

84 93.6 76.9 115.3





#32

1,1,1-Trichloroethane

Concen: 1.341 ug/l

RT: 7.939 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VN073303.D

Acq: 01 Jul 2022 17:39

Instrument :

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ClientSampleId :

152140-SPC-05-80

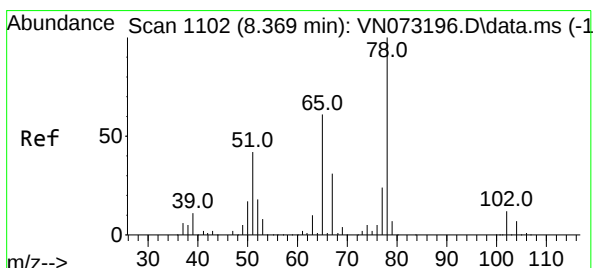
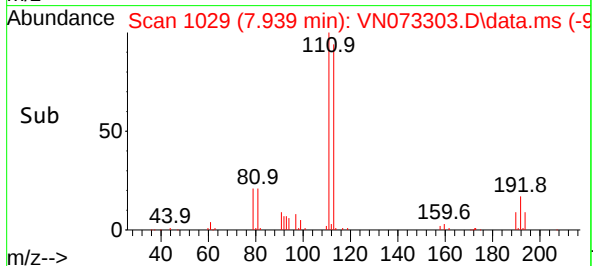
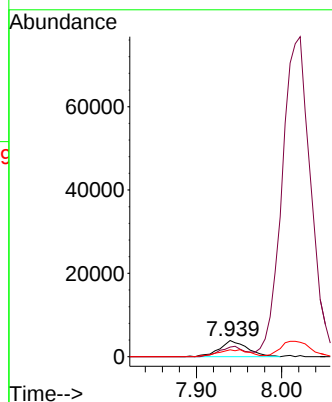
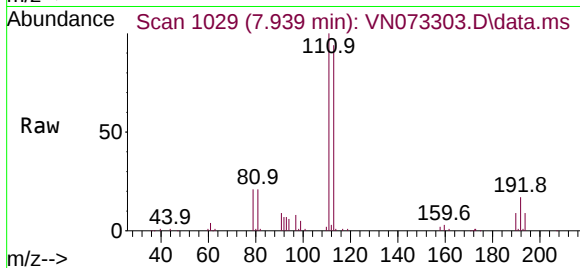
Tgt Ion: 97 Resp: 8740

Ion Ratio Lower Upper

97 100

99 0.0 50.6 76.0#

61 49.2 36.0 54.0



#33

1,2-Dichloroethane-d4

Concen: 43.371 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073303.D

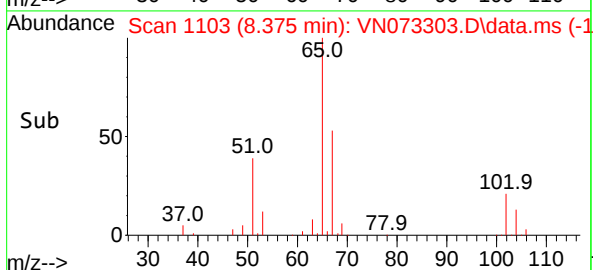
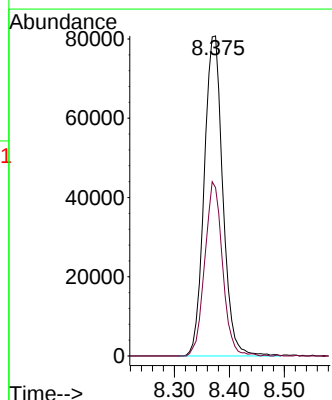
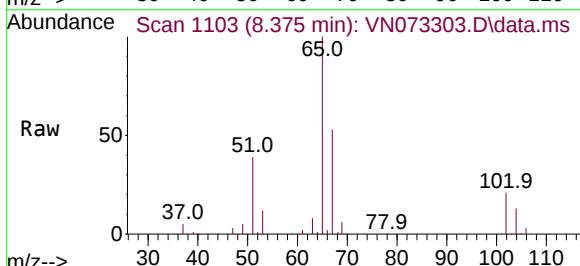
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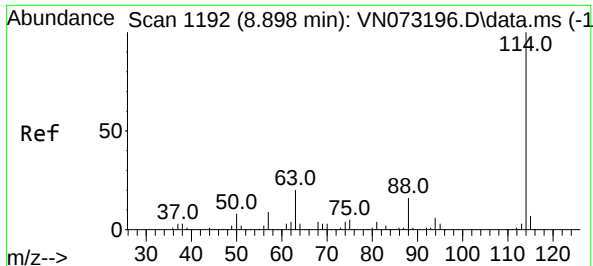
Tgt Ion: 65 Resp: 189900

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073303.D

Acq: 01 Jul 2022 17:39

Instrument :

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ClientSampleId :

152140-SPC-05-80

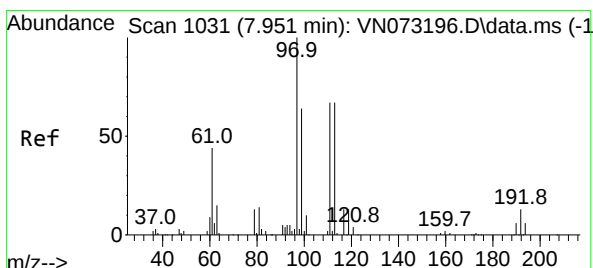
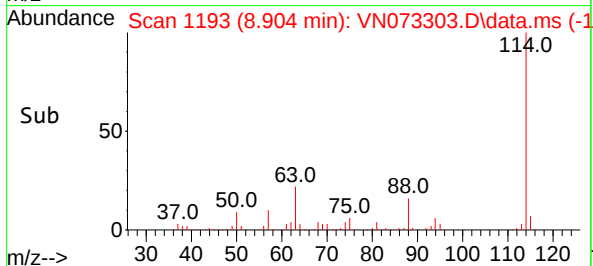
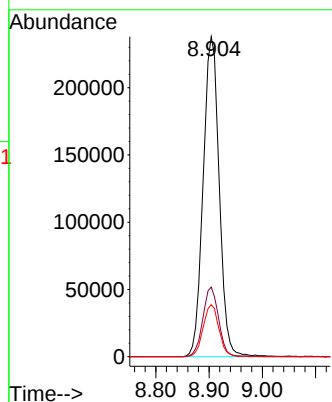
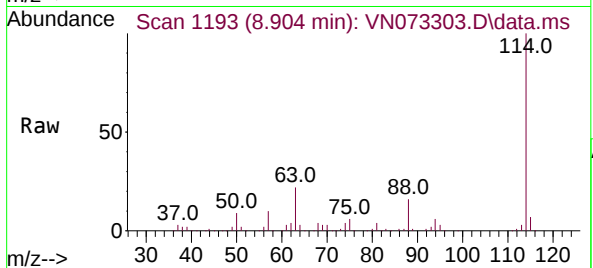
Tgt Ion:114 Resp: 497962

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.131 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073303.D

Acq: 01 Jul 2022 17:39

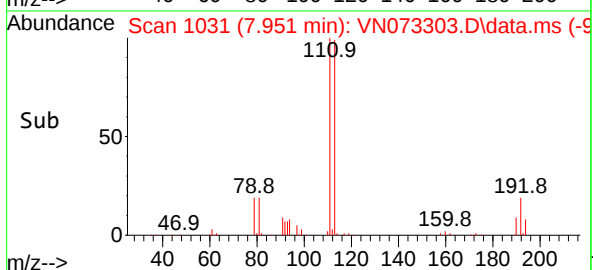
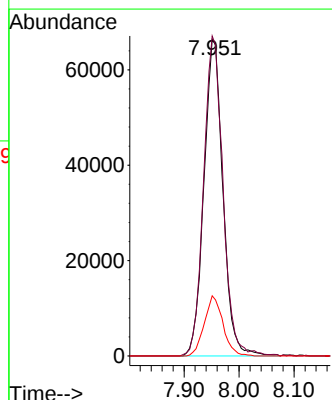
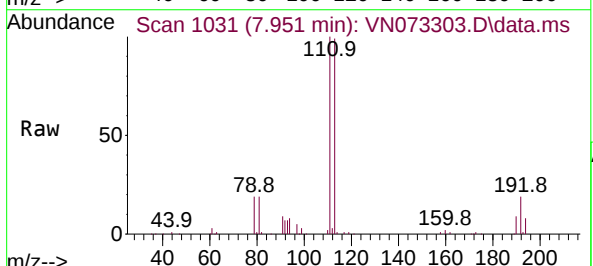
Tgt Ion:113 Resp: 159458

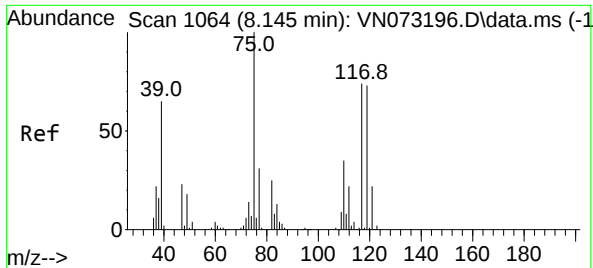
Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 18.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.917 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN073303.D

Acq: 01 Jul 2022 17:39

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152140-SPC-05-80

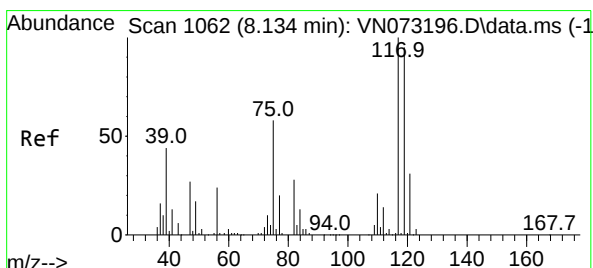
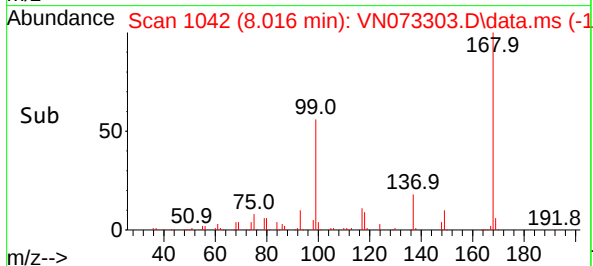
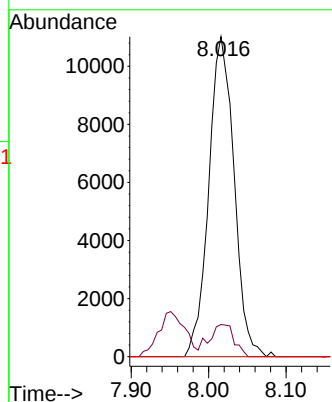
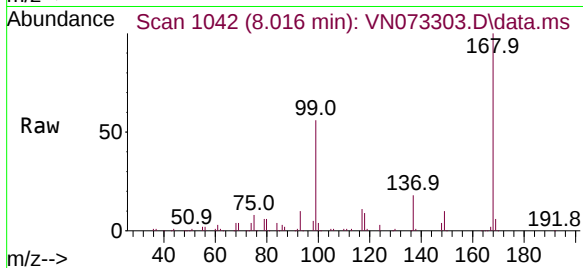
Tgt Ion: 75 Resp: 25064

Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 2.622 ug/l

RT: 8.133 min Scan# 1062

Delta R.T. -0.001 min

Lab File: VN073303.D

Acq: 01 Jul 2022 17:39

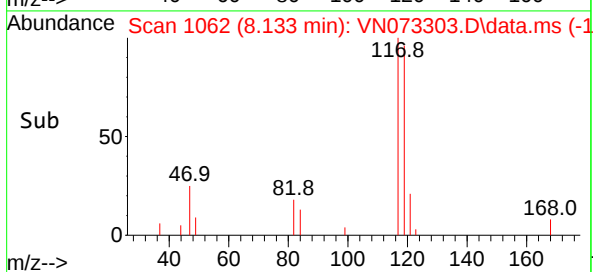
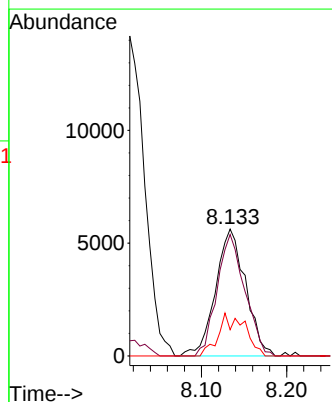
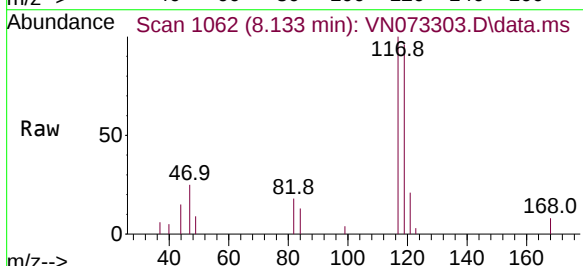
Tgt Ion: 117 Resp: 13820

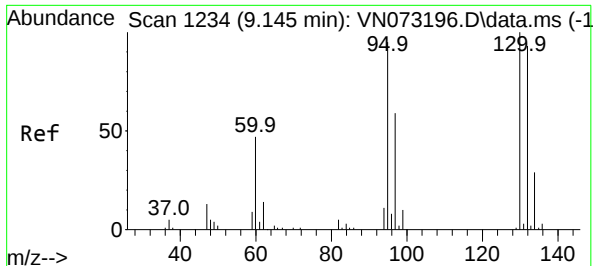
Ion Ratio Lower Upper

117 100

119 95.7 75.8 113.8

121 20.7 24.6 37.0#

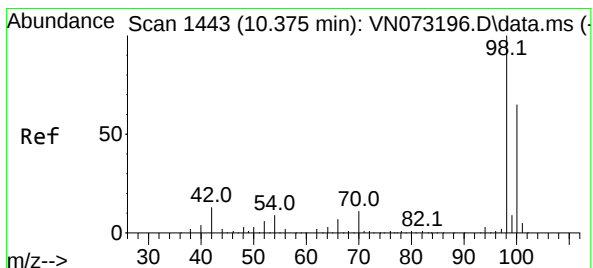
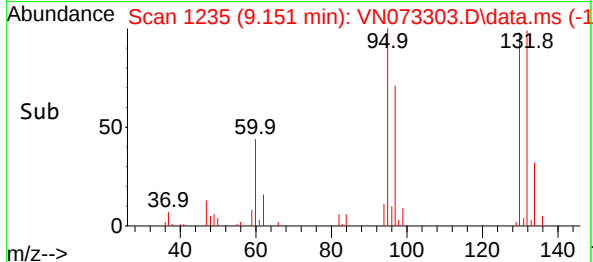
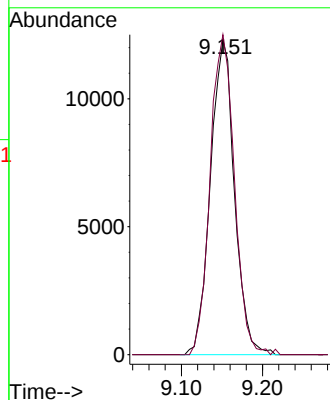
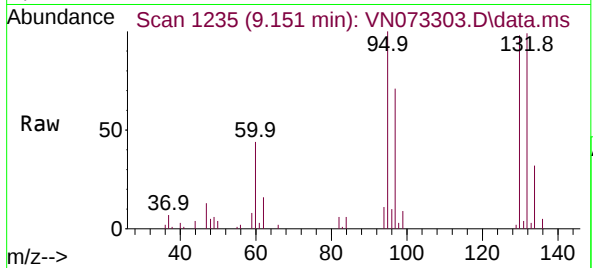




#44
Trichloroethene
Concen: 6.321 ug/l
RT: 9.151 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073303.D
Acq: 01 Jul 2022 17:39

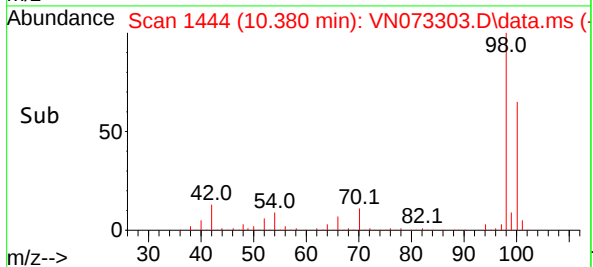
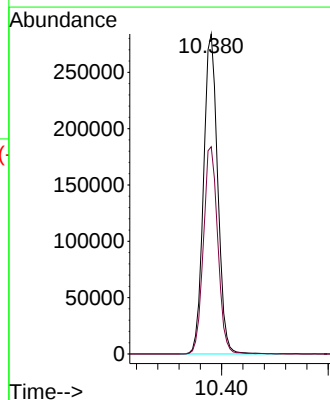
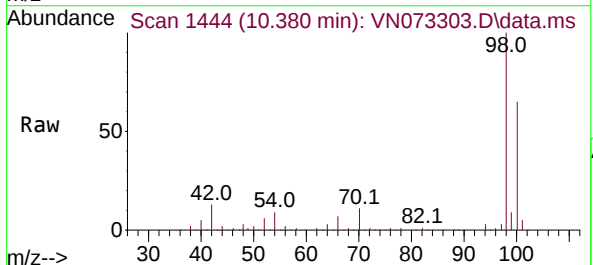
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80

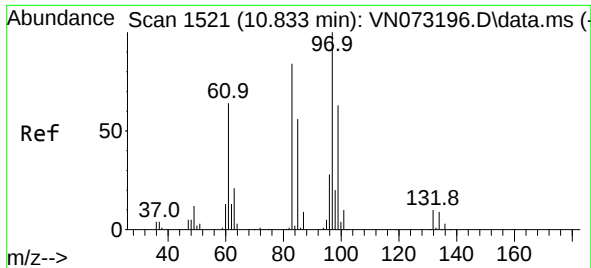
Tgt Ion:130 Resp: 25306
Ion Ratio Lower Upper
130 100
95 101.6 0.0 186.8



#50
Toluene-d8
Concen: 44.365 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073303.D
Acq: 01 Jul 2022 17:39

Tgt Ion: 98 Resp: 522030
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8

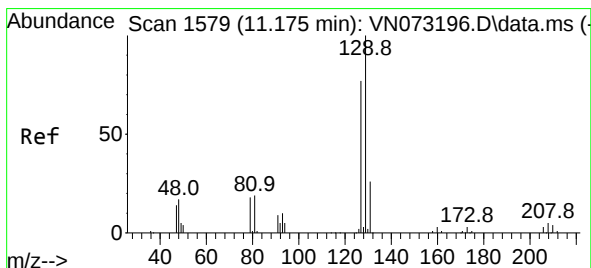
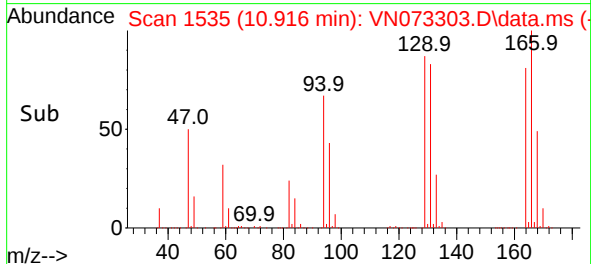
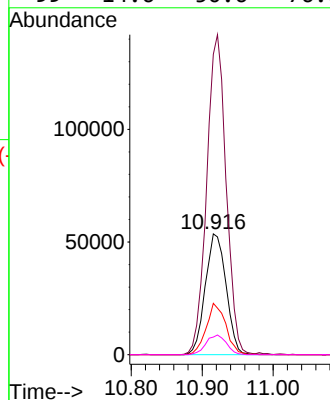
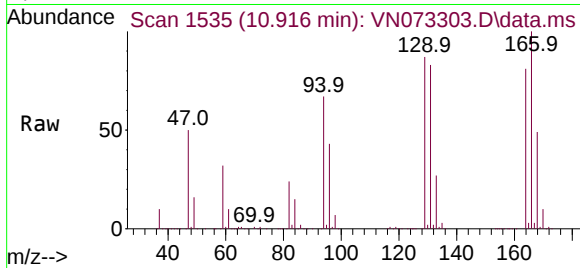




#55
1,1,2-Trichloroethane
Concen: 27.356 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.083 min
Lab File: VN073303.D
Acq: 01 Jul 2022 17:39

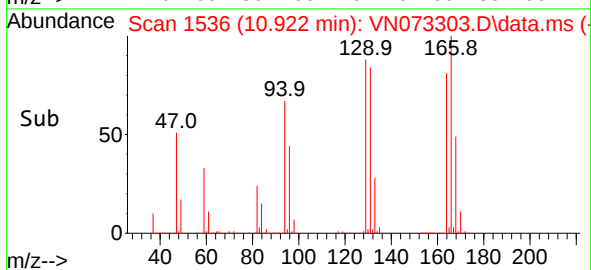
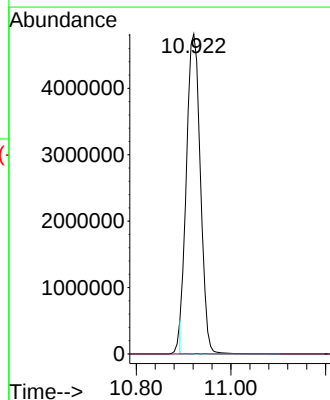
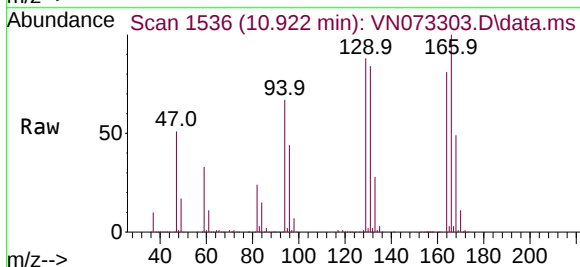
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80

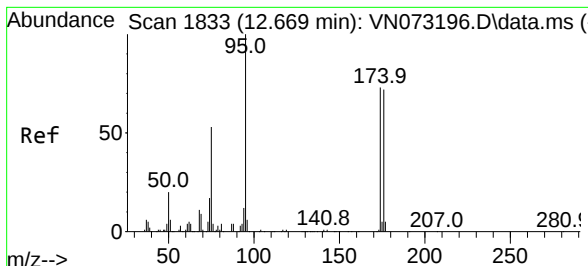
Tgt Ion: 97 Resp: 109495
Ion Ratio Lower Upper
97 100
83 248.5 66.2 99.4#
85 42.5 43.9 65.9#
99 14.6 50.6 76.0#



#60
Dibromochloromethane
Concen: 2562.493 ug/l
RT: 10.922 min Scan# 1536
Delta R.T. -0.253 min
Lab File: VN073303.D
Acq: 01 Jul 2022 17:39

Tgt Ion:129 Resp: 9779012
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

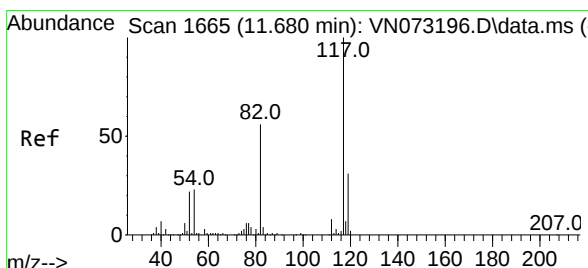
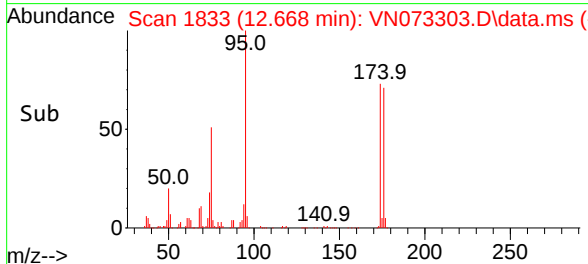
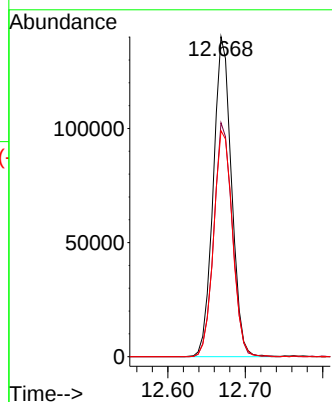
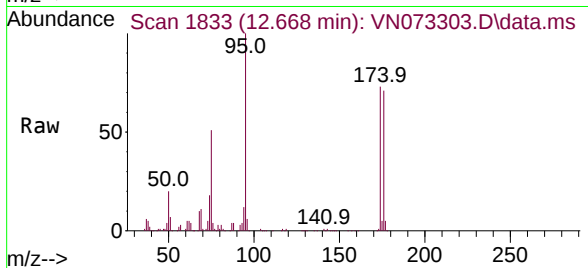




#62
4-Bromofluorobenzene
Concen: 50.721 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073303.D
Acq: 01 Jul 2022 17:39

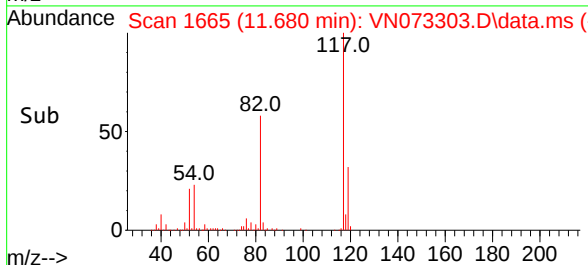
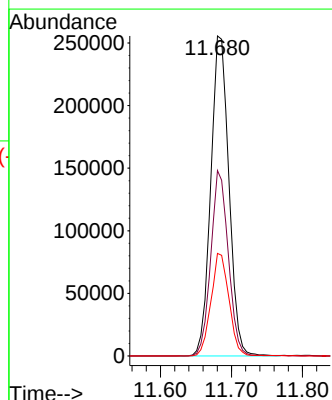
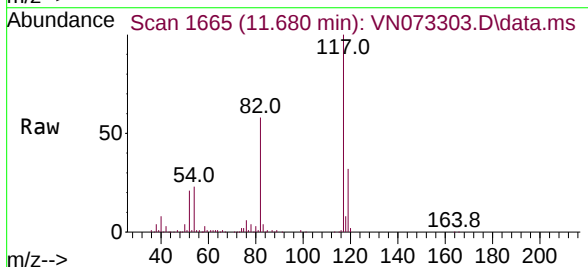
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80

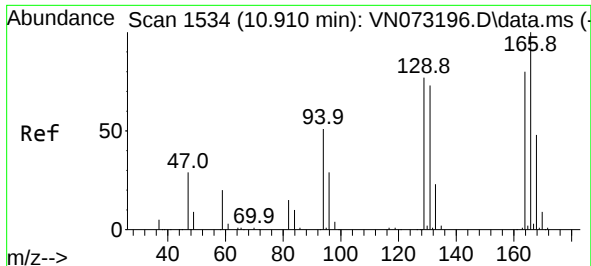
Tgt Ion: 95 Resp: 229357
Ion Ratio Lower Upper
95 100
174 73.5 0.0 167.6
176 72.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073303.D
Acq: 01 Jul 2022 17:39

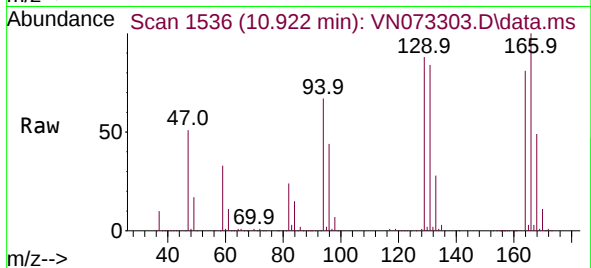
Tgt Ion: 117 Resp: 452615
Ion Ratio Lower Upper
117 100
82 57.9 44.2 66.2
119 32.0 25.4 38.0



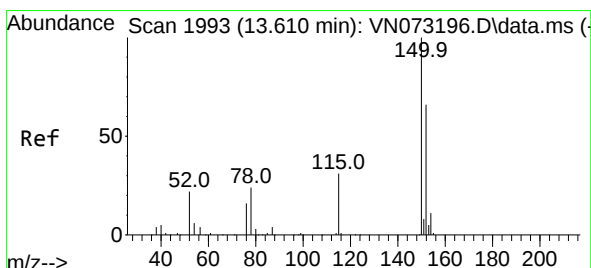
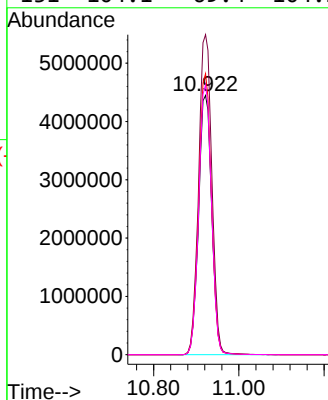
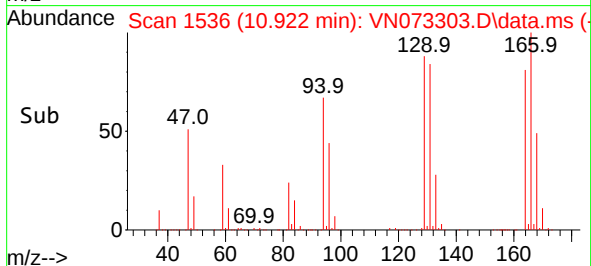


#64
Tetrachloroethene
Concen: 2564.574 ug/l
RT: 10.922 min Scan# 1536
Delta R.T. 0.012 min
Lab File: VN073303.D
Acq: 01 Jul 2022 17:39

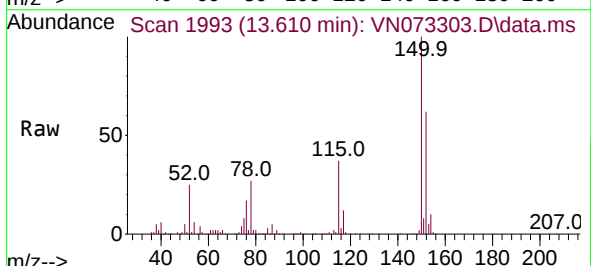
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80



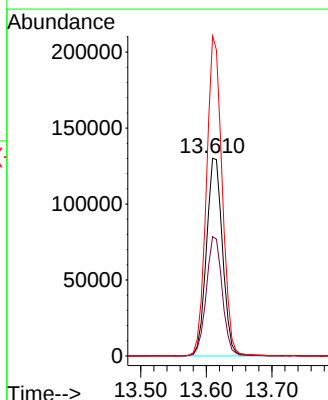
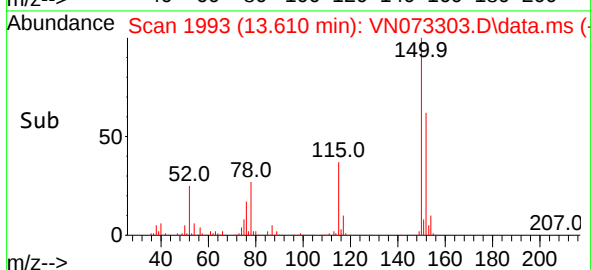
Tgt Ion:164 Resp: 9478494
Ion Ratio Lower Upper
164 100
166 123.5 104.2 156.2
129 108.4 73.9 110.9
131 104.1 69.4 104.2

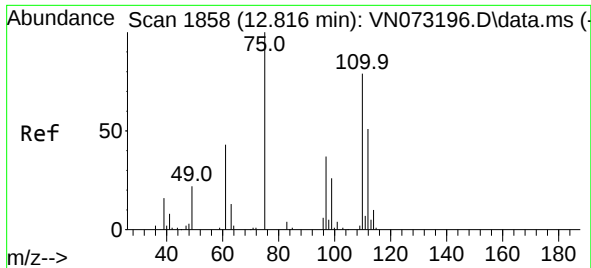


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073303.D
Acq: 01 Jul 2022 17:39



Tgt Ion:152 Resp: 221850
Ion Ratio Lower Upper
152 100
115 60.3 28.9 86.7
150 157.9 0.0 356.2

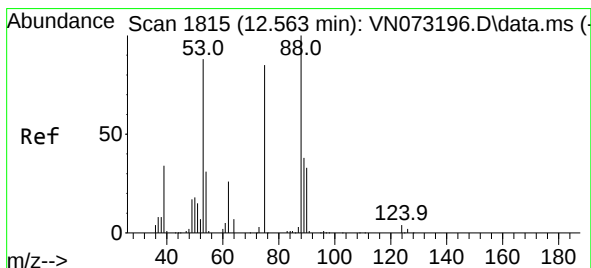
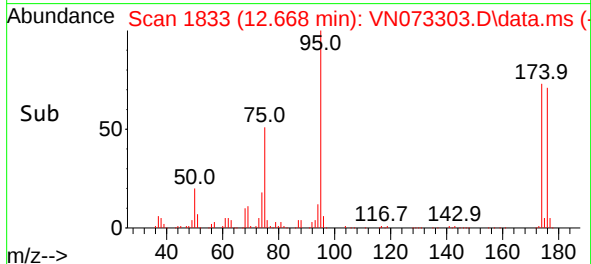
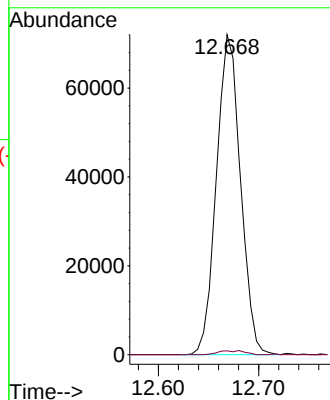
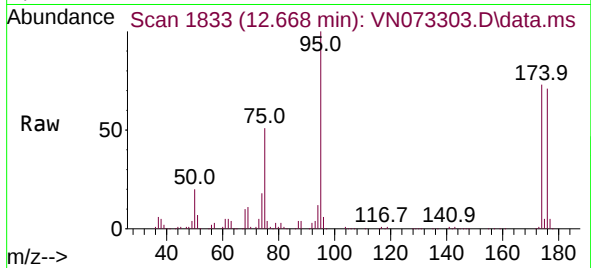




#76
1,2,3-Trichloropropane
Concen: 20.645 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073303.D
Acq: 01 Jul 2022 17:39

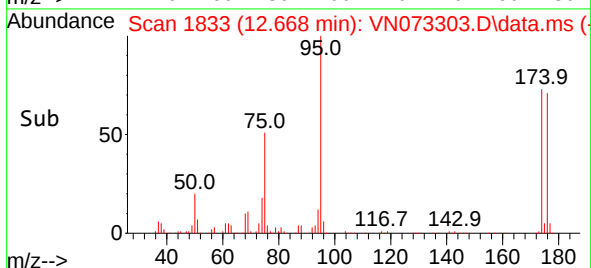
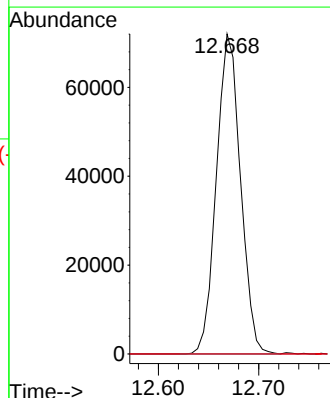
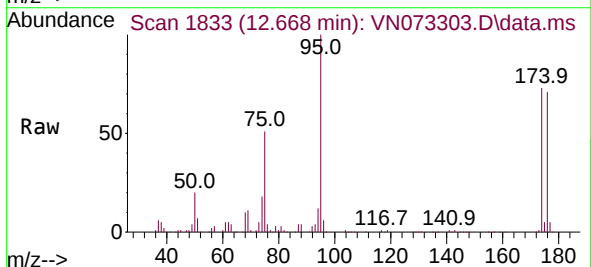
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-80

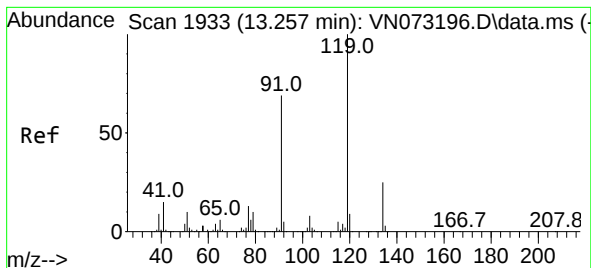
Tgt Ion: 75 Resp: 119760
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.618 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN073303.D
Acq: 01 Jul 2022 17:39

Tgt Ion: 75 Resp: 119760
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#83

tert-Butylbenzene

Concen: 0.431 ug/l

RT: 13.304 min Scan# 1933

Delta R.T. 0.047 min

Lab File: VN073303.D

Acq: 01 Jul 2022 17:39

Instrument :

MSVOA_N

ClientSampleId :

152140-SPC-05-80

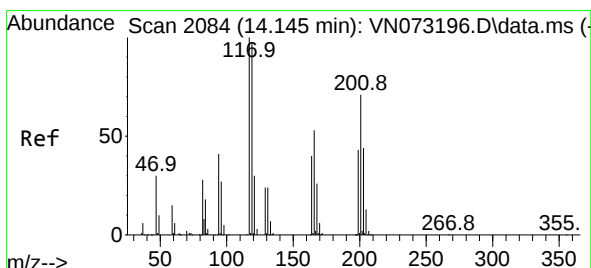
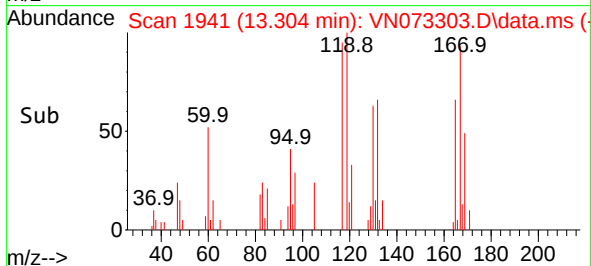
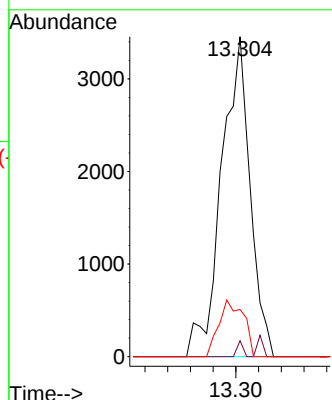
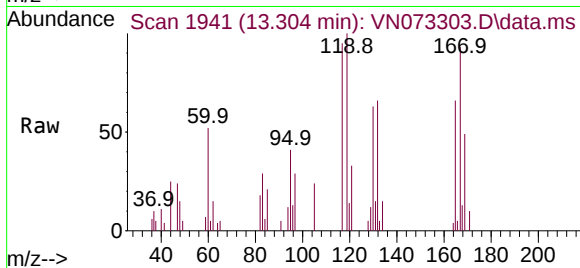
Tgt Ion:119 Resp: 6036

Ion Ratio Lower Upper

119 100

91 1.0 31.6 94.8#

134 15.3 13.7 41.1



#90

Hexachloroethane

Concen: 32.015 ug/l

RT: 14.145 min Scan# 2084

Delta R.T. -0.000 min

Lab File: VN073303.D

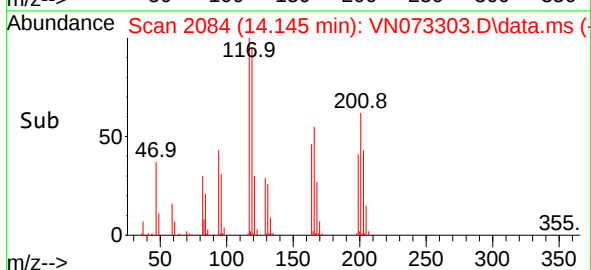
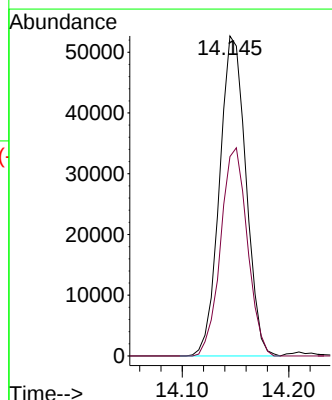
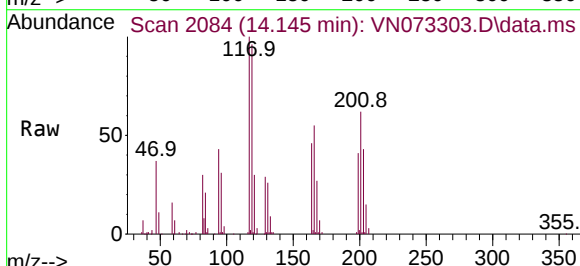
Acq: 01 Jul 2022 17:39

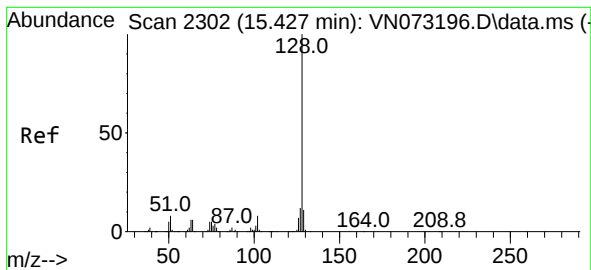
Tgt Ion:117 Resp: 90602

Ion Ratio Lower Upper

117 100

201 65.8 40.6 122.0





#95

Naphthalene

Concen: 0.393 ug/l

RT: 15.433 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN073303.D

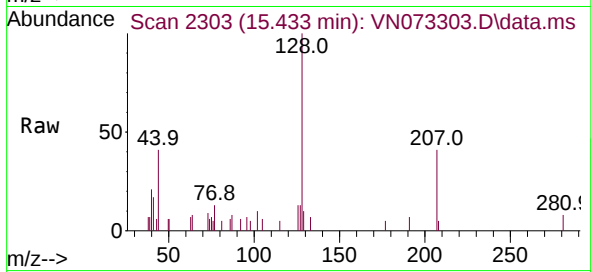
Acq: 01 Jul 2022 17:39

Instrument :

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Tgt Ion:128 Resp: 6717

Ion Ratio Lower Upper

128 100

127 15.1 10.3 15.5

129 14.4 8.6 13.0#

