

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071322\
 Data File : VN073453.D
 Acq On : 13 Jul 2022 17:04
 Operator : JC\MD
 Sample : N3707-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 N48967

Quant Time: Jul 14 07:04:18 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)

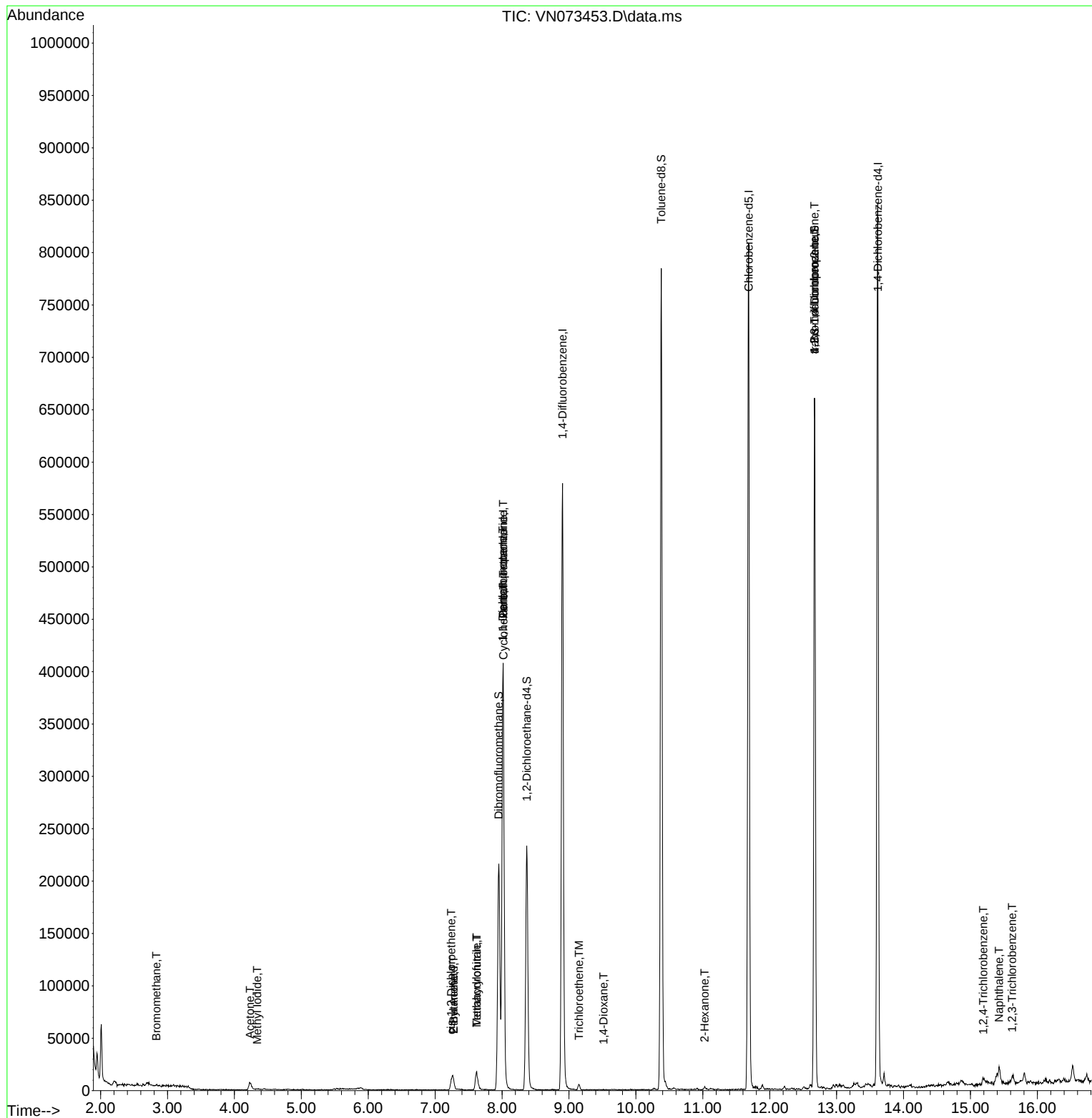
Internal Standards						
1) Pentafluorobenzene	8.016	168	301360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	501125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	469840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	227659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	193272	44.426	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.860%
35) Dibromofluoromethane	7.951	113	161937	48.571	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.140%
50) Toluene-d8	10.380	98	531337	44.871	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.740%
62) 4-Bromofluorobenzene	12.668	95	234039	51.430	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.860%
Target Compounds						
					Qvalue	
5) Bromomethane	2.834	94	568	0.331	ug/l #	56
10) Methyl Iodide	4.339	142	256	3.783	ug/l #	69
16) Acetone	4.234	43	13279	5.438	ug/l	90
25) 2-Butanone	7.275	43	15516	3.991	ug/l	90
27) cis-1,2-Dichloroethene	7.239	96	5261	1.172	ug/l	85
29) Tetrahydrofuran	7.622	42	14576	5.475	ug/l #	83
31) Cyclohexane	8.022	56	7027	0.986	ug/l #	6
36) 1,1-Dichloropropene	8.010	75	25348	4.941	ug/l #	48
37) Ethyl Acetate	7.275	43	15516	2.002	ug/l #	67
38) Carbon Tetrachloride	8.016	117	31736	5.982	ug/l #	16
41) Methacrylonitrile	7.622	41	8794	2.339	ug/l #	35
44) Trichloroethene	9.151	130	2142	0.532	ug/l	90
49) 1,4-Dioxane	9.516	88	69	0.705	ug/l #	11
59) 2-Hexanone	11.027	43	2491	0.463	ug/l	74
76) 1,2,3-Trichloropropane	12.668	75	121696	20.443	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	121696	56.065	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.192	180	1335	0.307	ug/l	95
95) Naphthalene	15.427	128	13612	0.776	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.621	180	1970	0.439	ug/l #	85

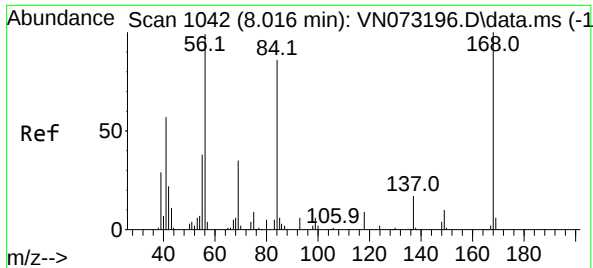
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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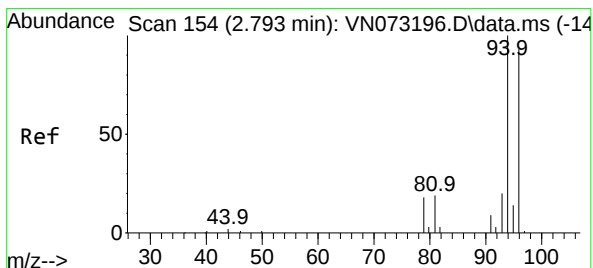
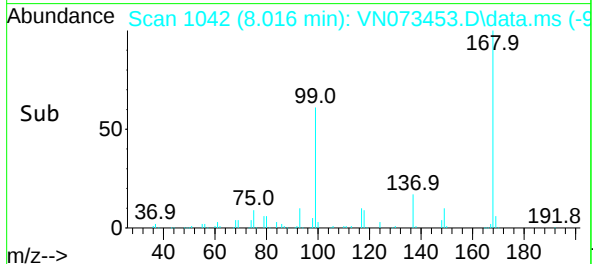
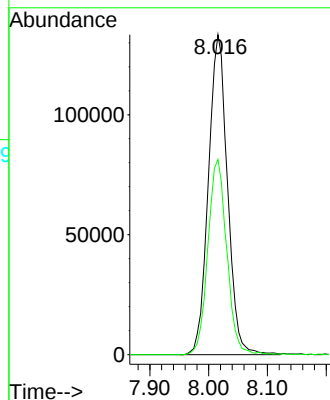
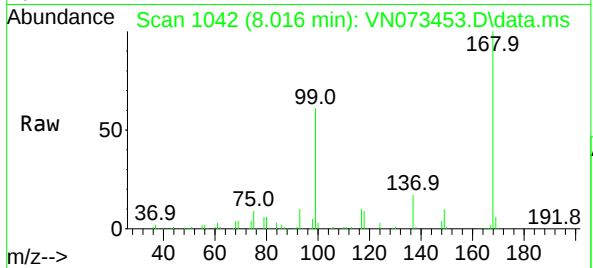




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

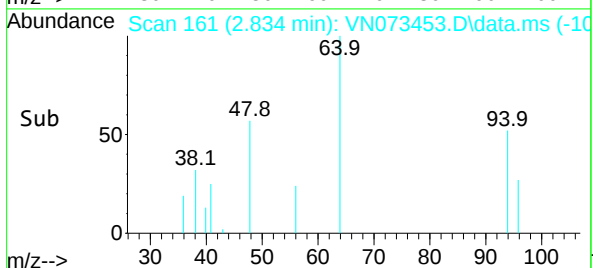
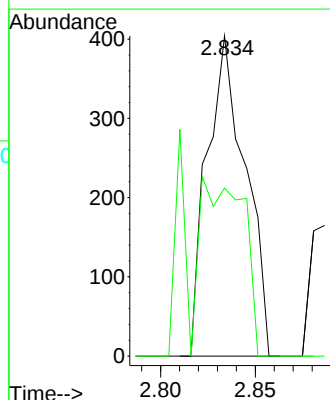
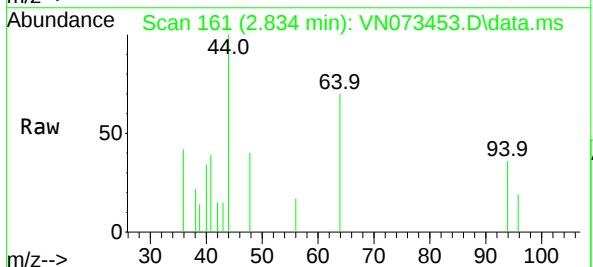
Instrument :
MSVOA_N
ClientSampleId :
N48967

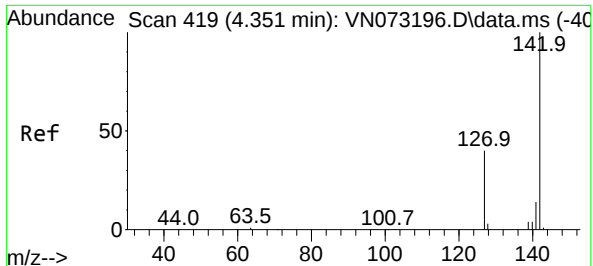
Tgt Ion:168 Resp: 301360
Ion Ratio Lower Upper
168 100
99 60.9 42.3 63.5



#5
Bromomethane
Concen: 0.331 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.041 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

Tgt Ion: 94 Resp: 568
Ion Ratio Lower Upper
94 100
96 52.5 76.0 114.0#

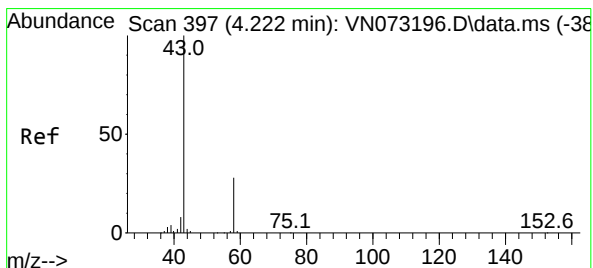
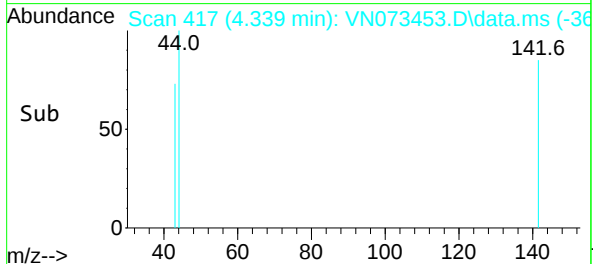
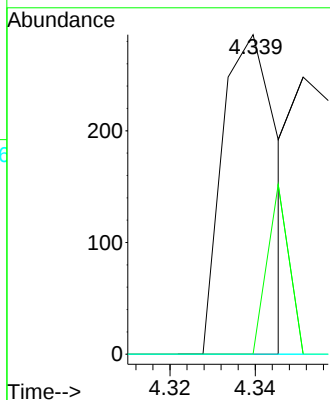
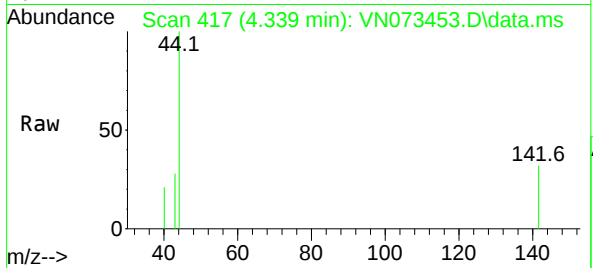




#10
Methyl Iodide
Concen: 3.783 ug/l
RT: 4.339 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

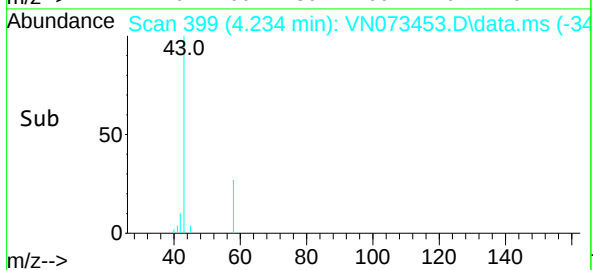
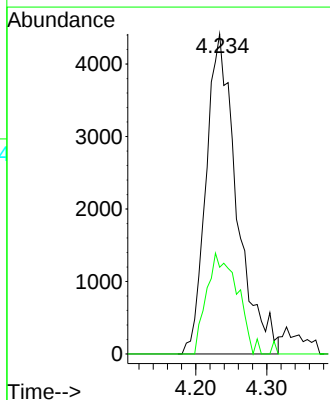
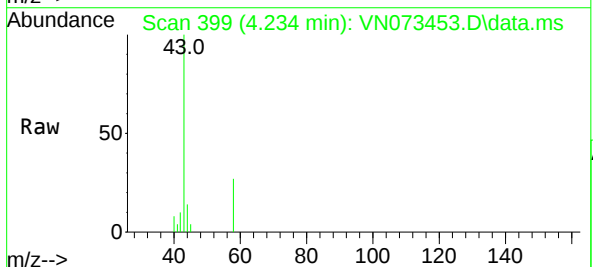
Instrument :
MSVOA_N
ClientSampleId :
N48967

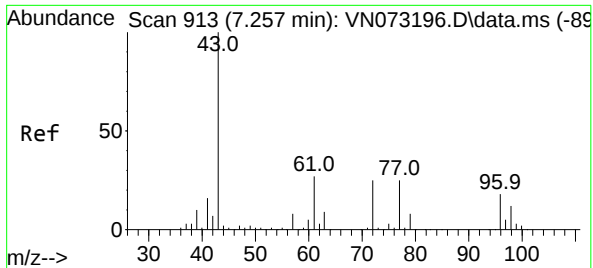
Tgt Ion:142 Resp: 256
Ion Ratio Lower Upper
142 100
127 21.1 31.3 46.9#
141 0.0 11.2 16.8#



#16
Acetone
Concen: 5.438 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

Tgt Ion: 43 Resp: 13279
Ion Ratio Lower Upper
43 100
58 27.1 26.0 39.0

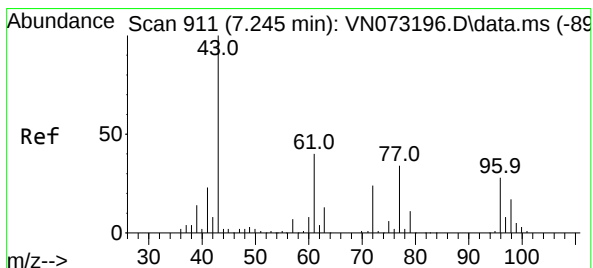
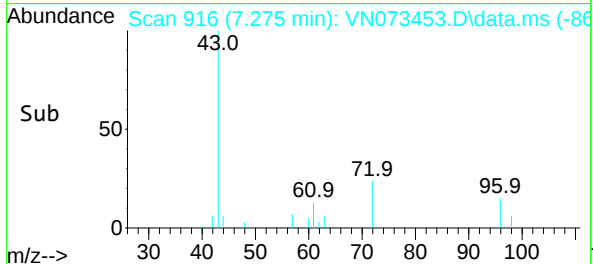
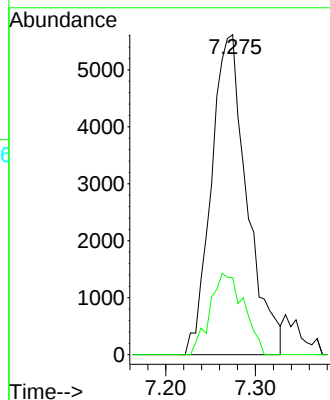
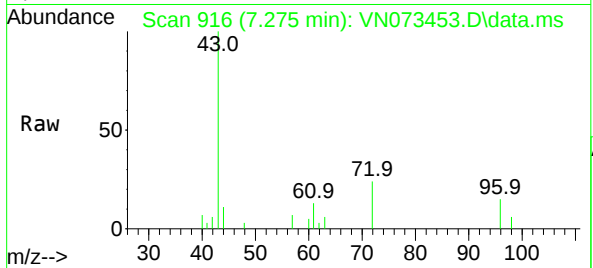




#25
2-Butanone
Concen: 3.991 ug/l
RT: 7.275 min Scan# 910
Delta R.T. 0.018 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

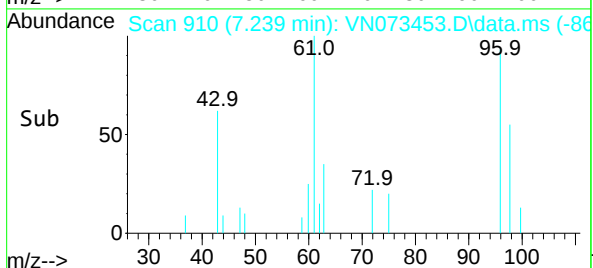
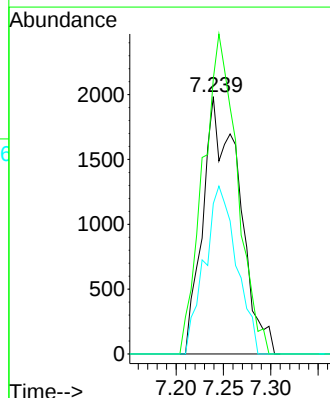
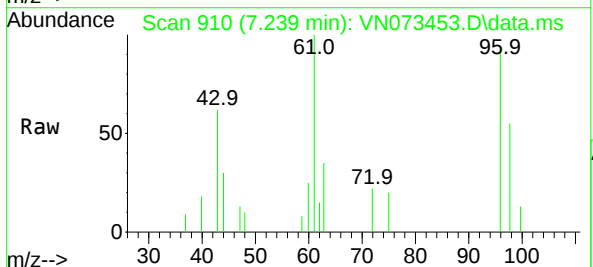
Instrument :
MSVOA_N
ClientSampleId :
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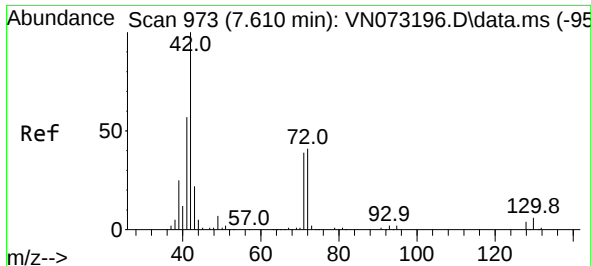
Tgt Ion: 43 Resp: 15516
Ion Ratio Lower Upper
43 100
72 24.0 23.7 35.5



#27
cis-1,2-Dichloroethene
Concen: 1.172 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.006 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

Tgt Ion: 96 Resp: 5261
Ion Ratio Lower Upper
96 100
61 117.8 0.0 280.6
98 57.8 0.0 128.4





#29

Tetrahydrofuran

Concen: 5.475 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073453.D

Acq: 13 Jul 2022 17:04

Instrument :

MSVOA_N

ClientSampleId :

N48967

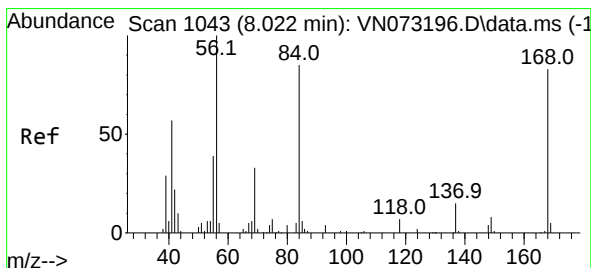
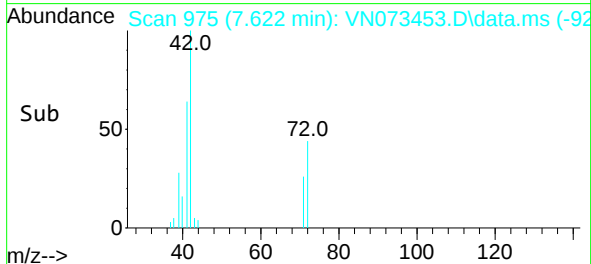
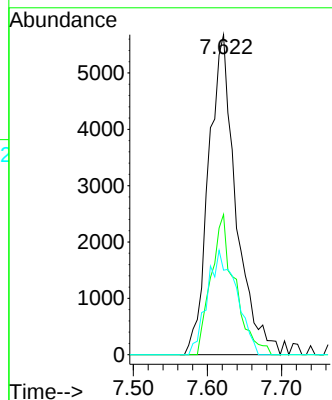
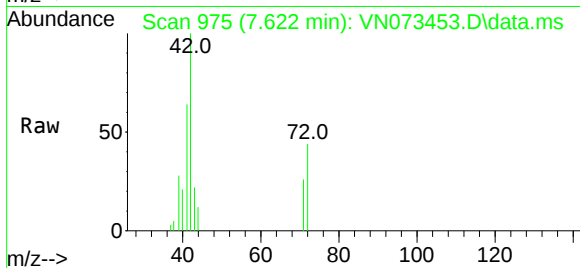
Tgt Ion: 42 Resp: 14576

Ion Ratio Lower Upper

42 100

72 38.1 39.7 59.5#

71 34.8 36.6 55.0#



#31

Cyclohexane

Concen: 0.986 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073453.D

Acq: 13 Jul 2022 17:04

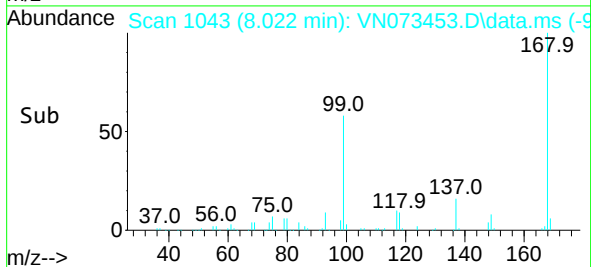
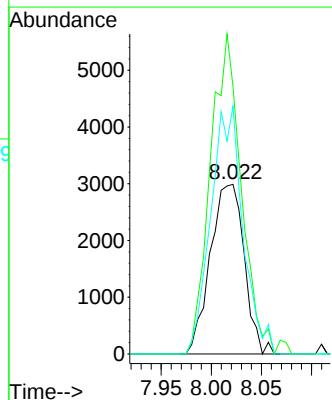
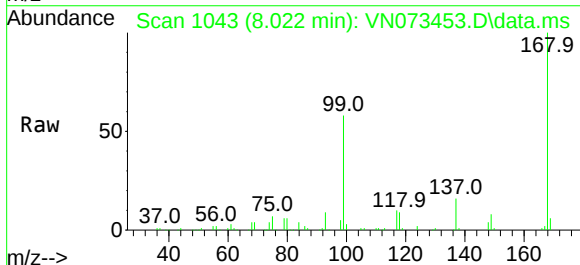
Tgt Ion: 56 Resp: 7027

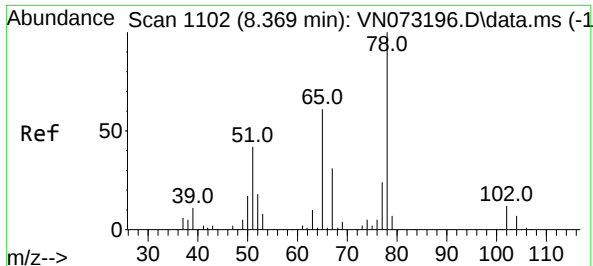
Ion Ratio Lower Upper

56 100

69 157.6 27.8 41.8#

84 146.1 76.9 115.3#

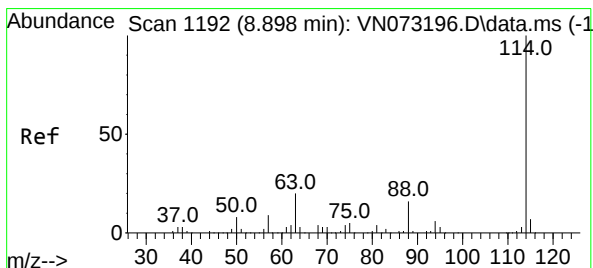
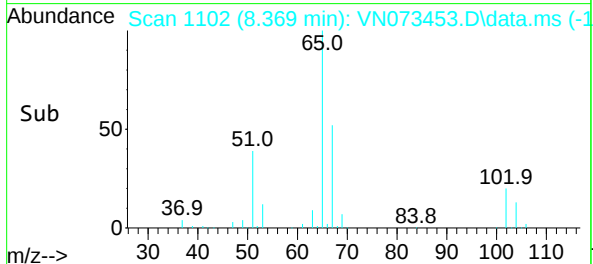
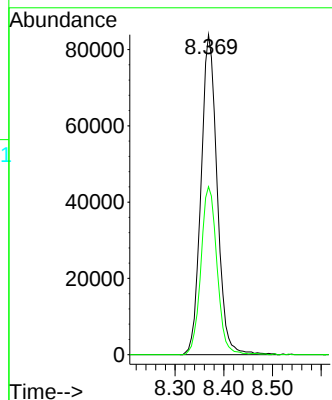
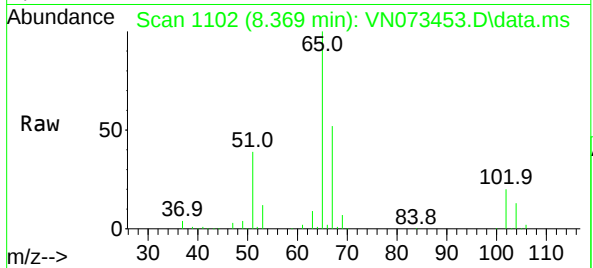




#33
 1,2-Dichloroethane-d4
 Concen: 44.426 ug/l
 RT: 8.369 min Scan# 1102
 Delta R.T. -0.000 min
 Lab File: VN073453.D
 Acq: 13 Jul 2022 17:04

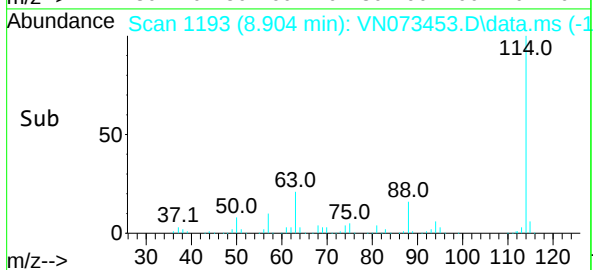
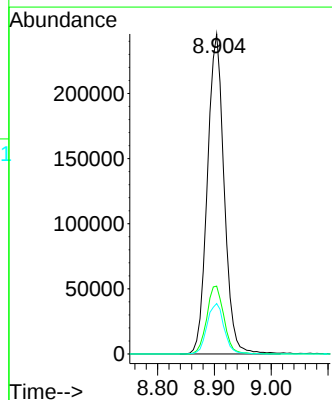
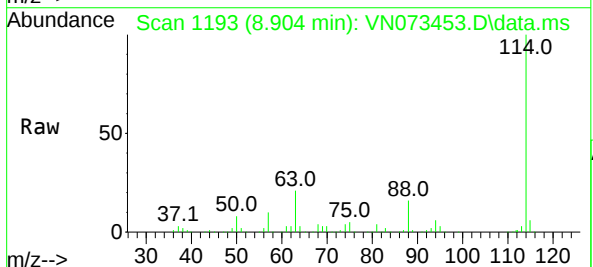
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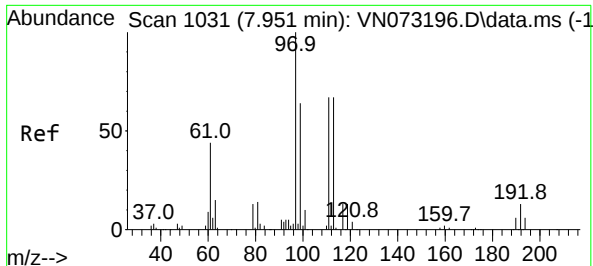
Tgt Ion: 65 Resp: 193272
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. 0.006 min
 Lab File: VN073453.D
 Acq: 13 Jul 2022 17:04

Tgt Ion: 114 Resp: 501125
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.0
 88 15.8 0.0 32.6

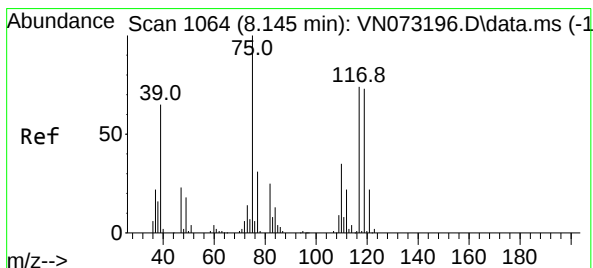
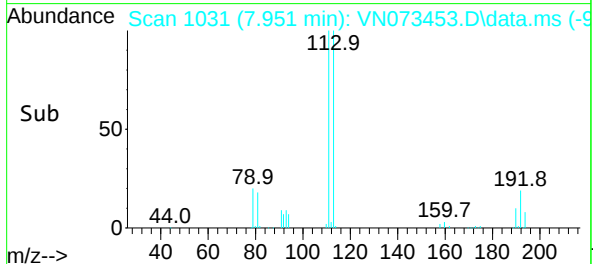
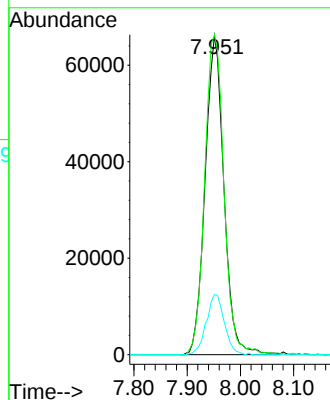
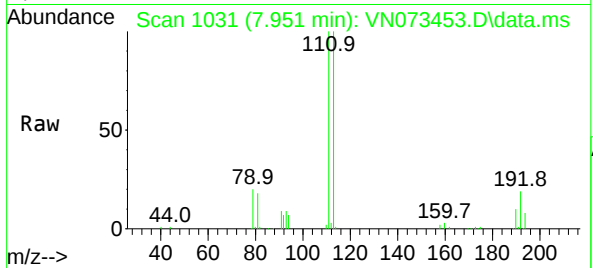




#35
Dibromofluoromethane
Concen: 48.571 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

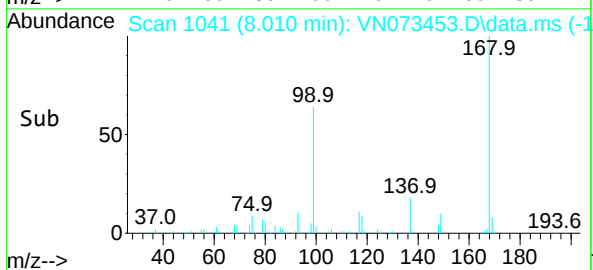
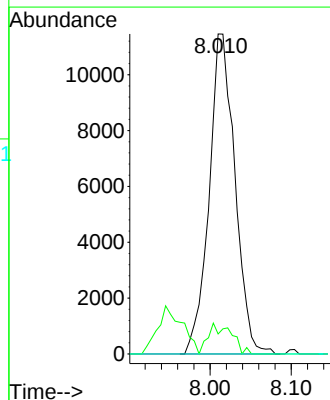
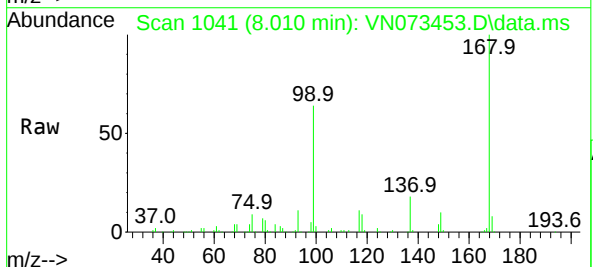
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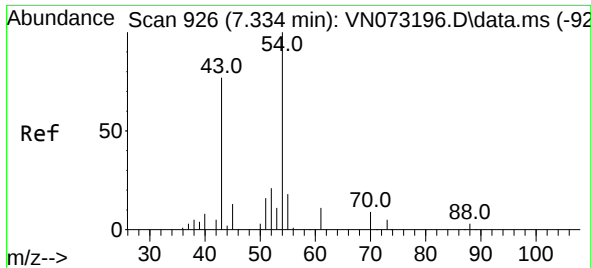
Tgt Ion:113 Resp: 161937
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 18.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.941 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.135 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

Tgt Ion: 75 Resp: 25348
Ion Ratio Lower Upper
75 100
110 8.6 18.3 54.8#
77 0.0 25.1 37.7#

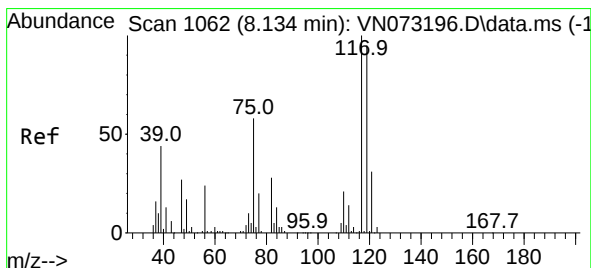
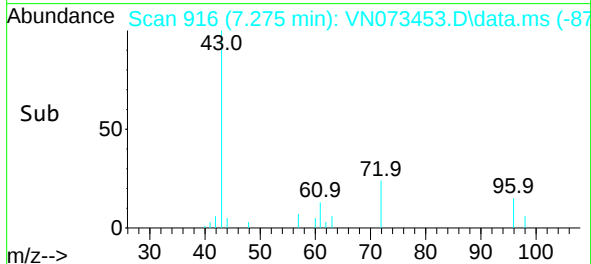
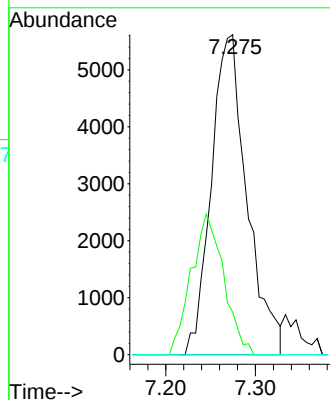
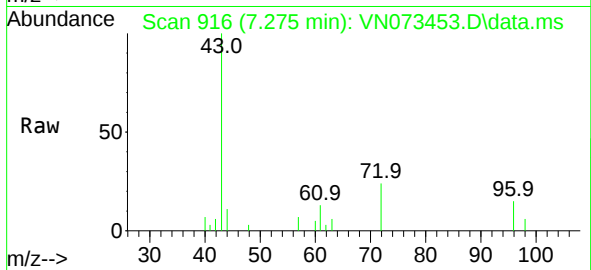




#37
Ethyl Acetate
Concen: 2.002 ug/l
RT: 7.275 min Scan# 916
Delta R.T. -0.059 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

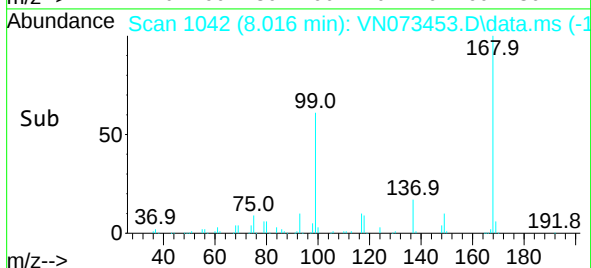
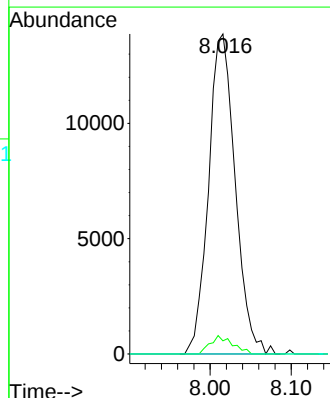
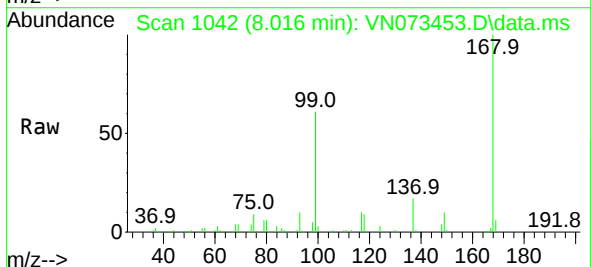
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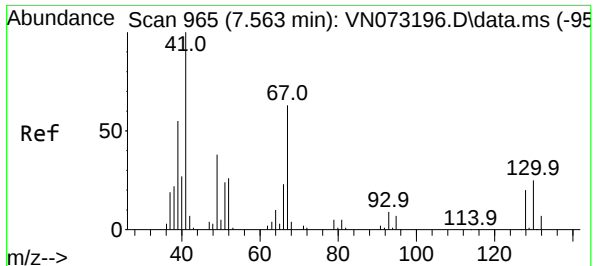
Tgt Ion: 43 Resp: 15516
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.982 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

Tgt Ion: 117 Resp: 31736
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.8#
121 0.0 24.6 37.0#

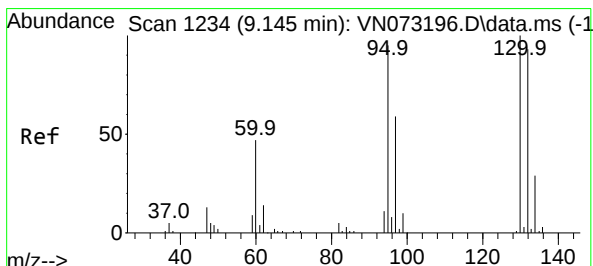
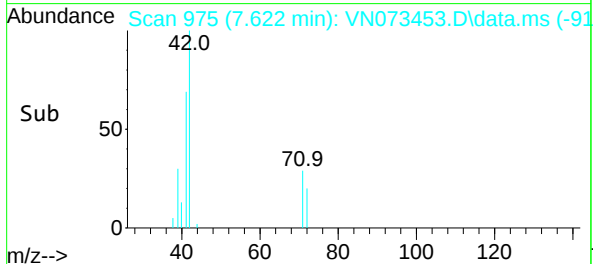
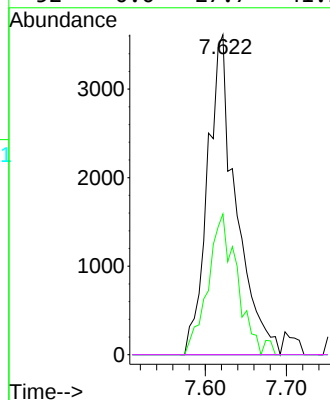
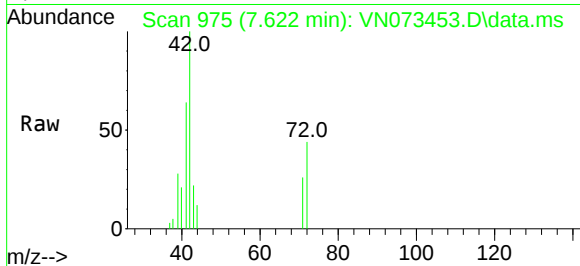




#41
Methacrylonitrile
Concen: 2.339 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

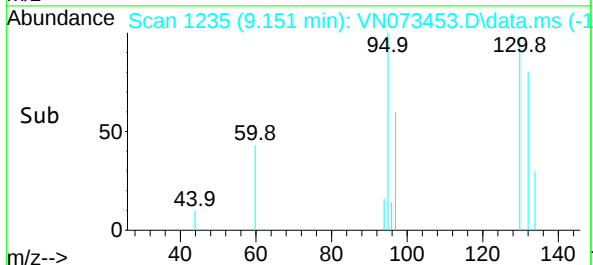
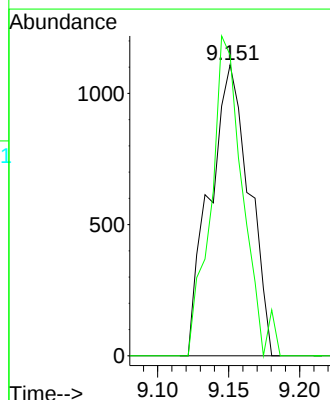
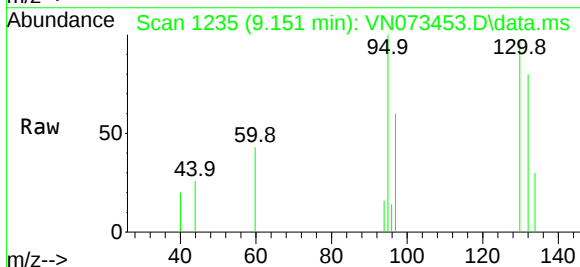
Instrument :
MSVOA_N
ClientSampleId :
N48967

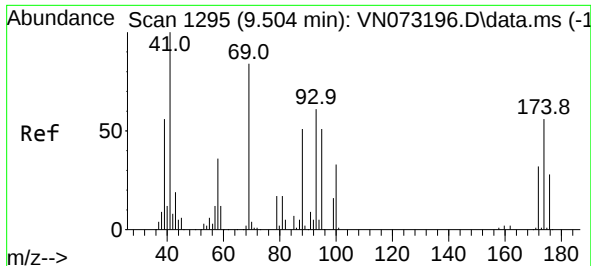
Tgt Ion: 41	Resp: 8794
Ion Ratio	Lower Upper
41	100
39	44.5 48.6 73.0#
67	0.0 73.4 110.2#
52	0.0 27.7 41.5#



#44
Trichloroethene
Concen: 0.532 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

Tgt Ion: 130	Resp: 2142
Ion Ratio	Lower Upper
130	100
95	103.3 0.0 186.8

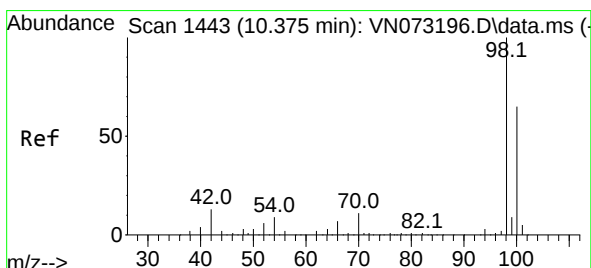
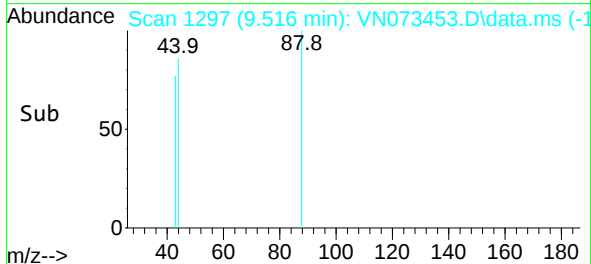
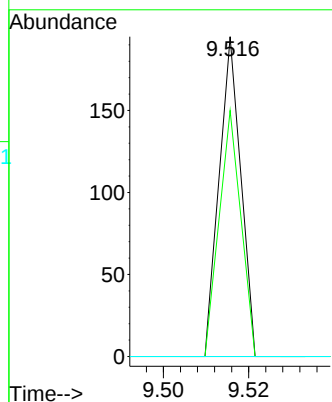
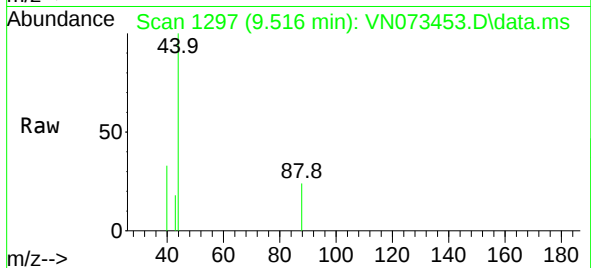




#49
1,4-Dioxane
Concen: 0.705 ug/l
RT: 9.516 min Scan# 1295
Delta R.T. 0.012 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

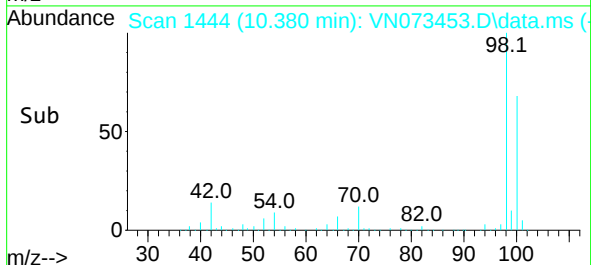
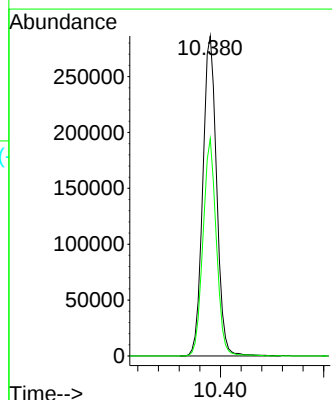
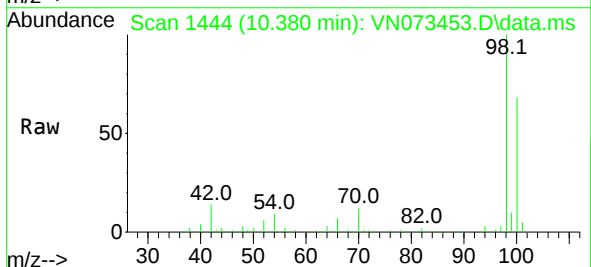
Instrument :
MSVOA_N
ClientSampleId :
N48967

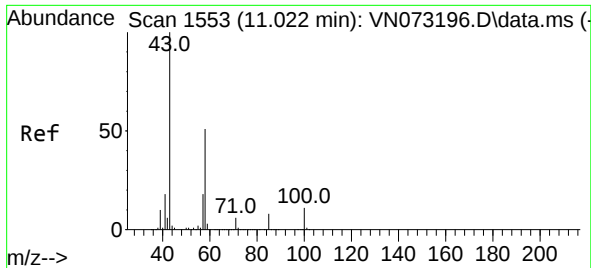
Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 76.8 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 44.871 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

Tgt Ion: 98 Resp: 531337
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8

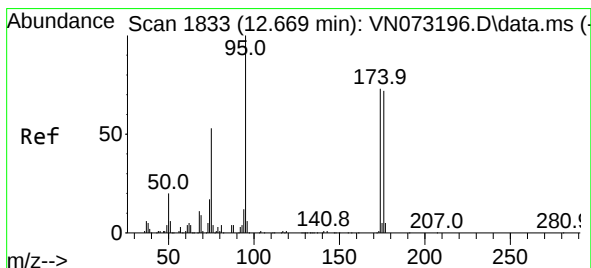
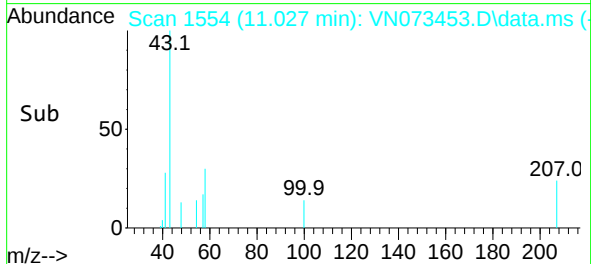
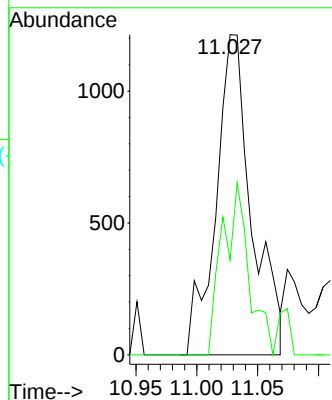
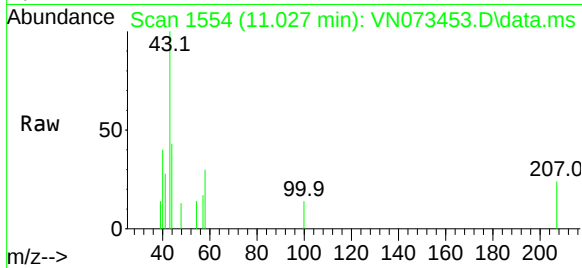




#59
2-Hexanone
Concen: 0.463 ug/l
RT: 11.027 min Scan# 1553
Delta R.T. 0.005 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

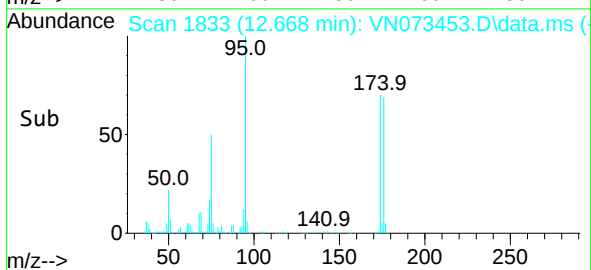
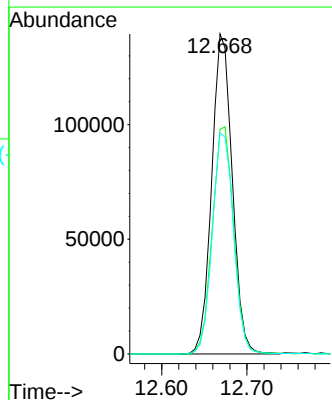
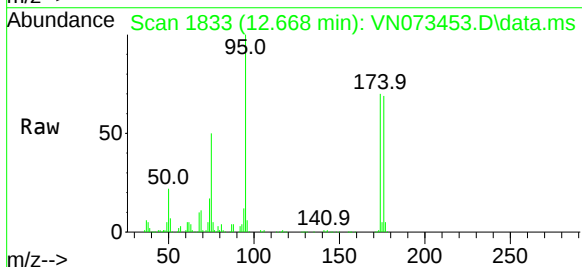
Instrument :
MSVOA_N
ClientSampleId :
N48967

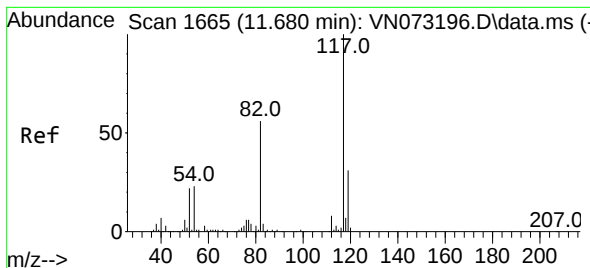
Tgt Ion: 43 Resp: 2491
Ion Ratio Lower Upper
43 100
58 39.8 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 51.430 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073453.D
Acq: 13 Jul 2022 17:04

Tgt Ion: 95 Resp: 234039
Ion Ratio Lower Upper
95 100
174 73.9 0.0 167.6
176 71.3 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073453.D

Acq: 13 Jul 2022 17:04

Instrument :

MSVOA_N

ClientSampleId :

N48967

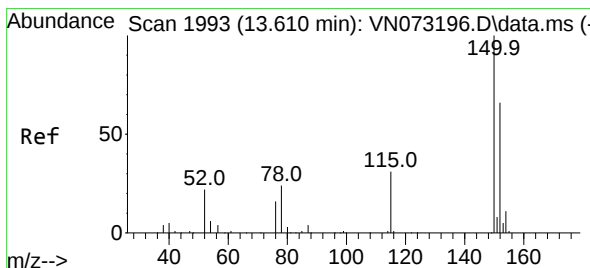
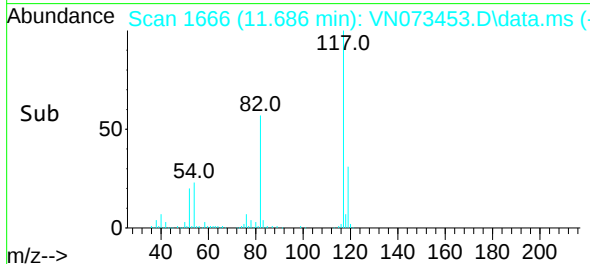
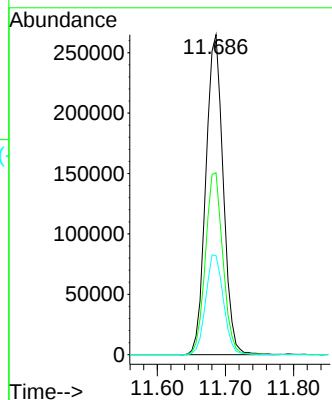
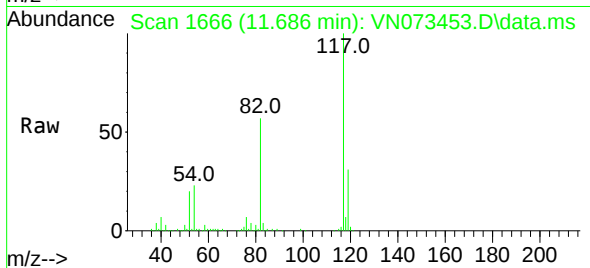
Tgt Ion:117 Resp: 469840

Ion Ratio Lower Upper

117 100

82 56.8 44.2 66.2

119 30.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. 0.005 min

Lab File: VN073453.D

Acq: 13 Jul 2022 17:04

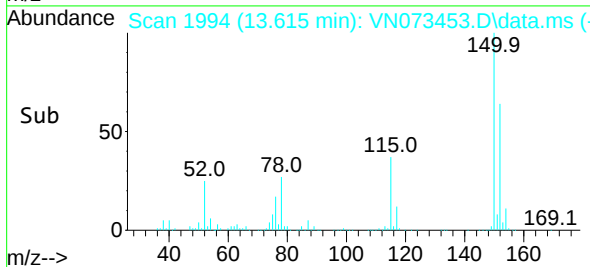
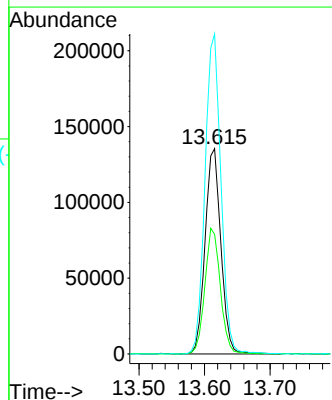
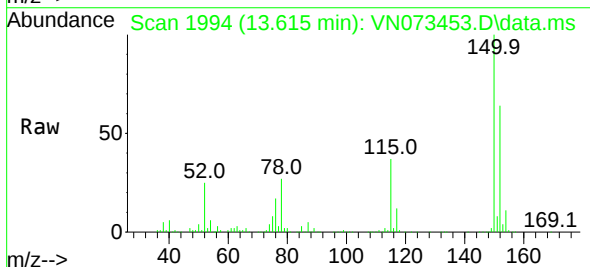
Tgt Ion:152 Resp: 227659

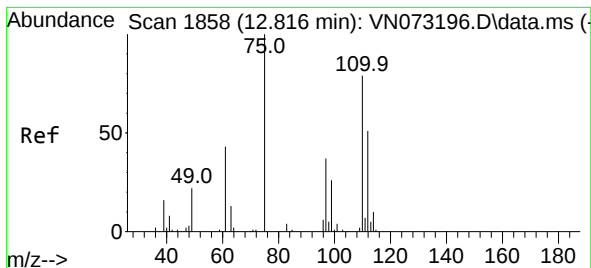
Ion Ratio Lower Upper

152 100

115 60.0 28.9 86.7

150 156.7 0.0 356.2





#76

1,2,3-Trichloropropane

Concen: 20.443 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. -0.148 min

Lab File: VN073453.D

Acq: 13 Jul 2022 17:04

Instrument :

MSVOA_N

ClientSampleId :

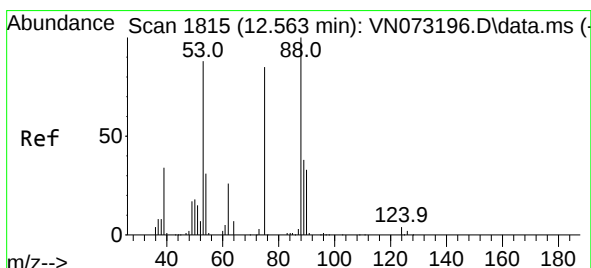
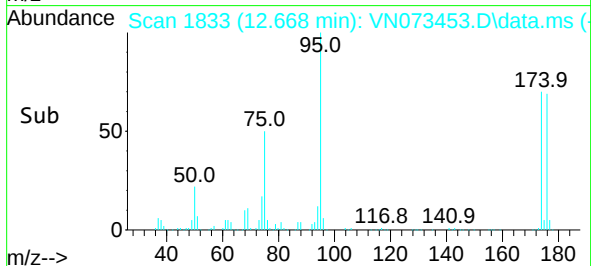
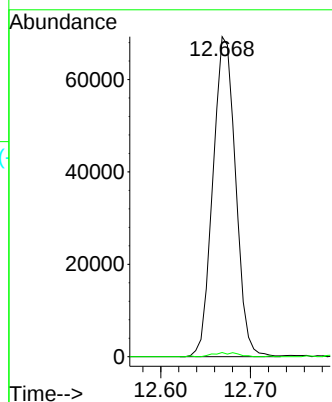
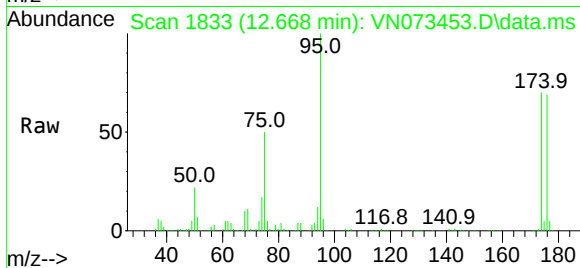
N48967

Tgt Ion: 75 Resp: 121696

Ion Ratio Lower Upper

75 100

77 1.4 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.065 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. 0.105 min

Lab File: VN073453.D

Acq: 13 Jul 2022 17:04

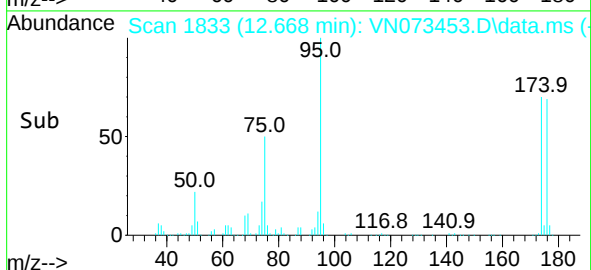
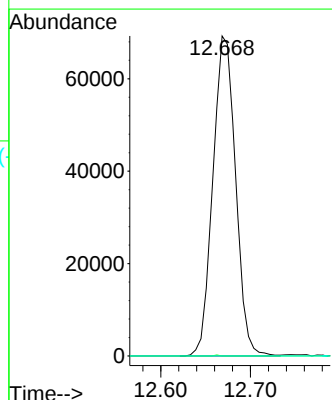
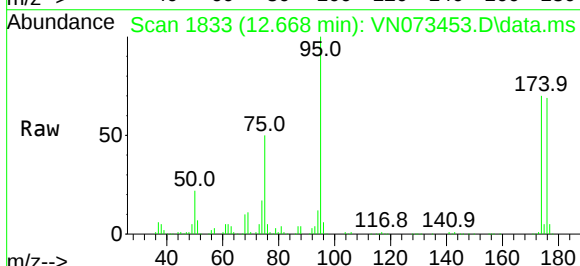
Tgt Ion: 75 Resp: 121696

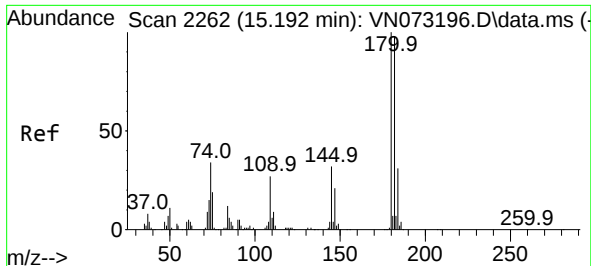
Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 37.2 55.8#





#93

1,2,4-Trichlorobenzene

Concen: 0.307 ug/l

RT: 15.192 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN073453.D

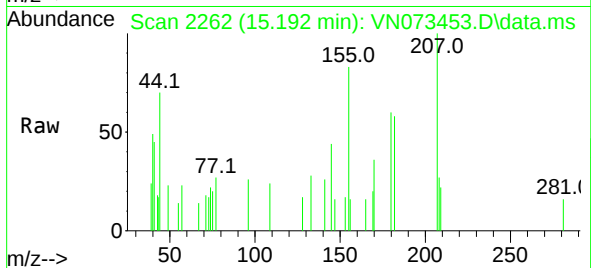
Acq: 13 Jul 2022 17:04

Instrument :

MSVOA_N

ClientSampleId :

N48967



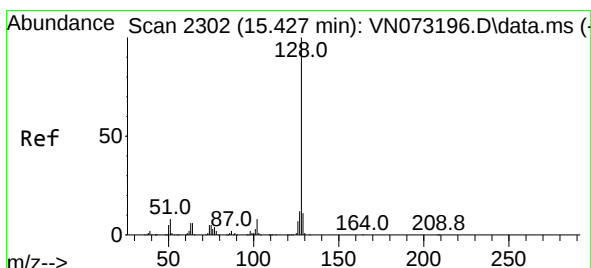
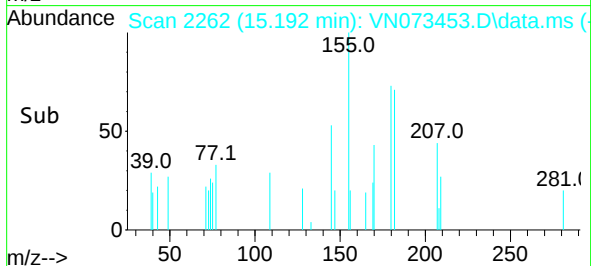
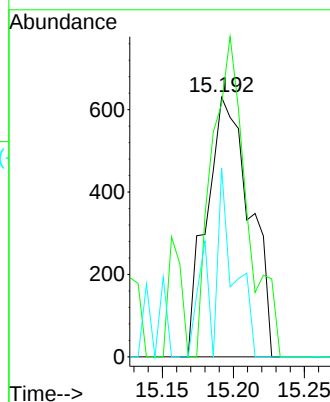
Tgt Ion:180 Resp: 1335

Ion Ratio Lower Upper

180 100

182 99.9 47.5 142.5

145 27.0 14.5 43.5



#95

Naphthalene

Concen: 0.776 ug/l

RT: 15.427 min Scan# 2302

Delta R.T. 0.000 min

Lab File: VN073453.D

Acq: 13 Jul 2022 17:04

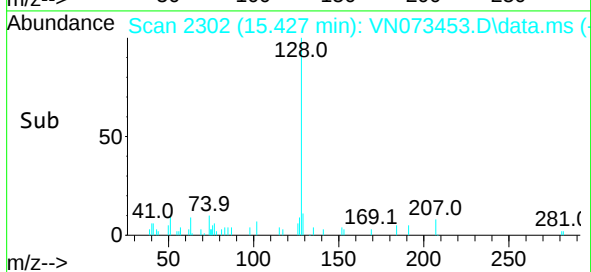
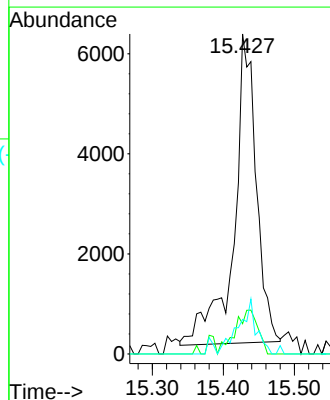
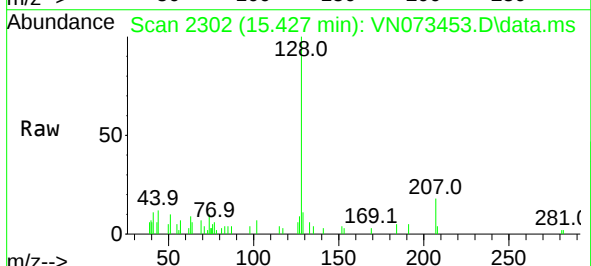
Tgt Ion:128 Resp: 13612

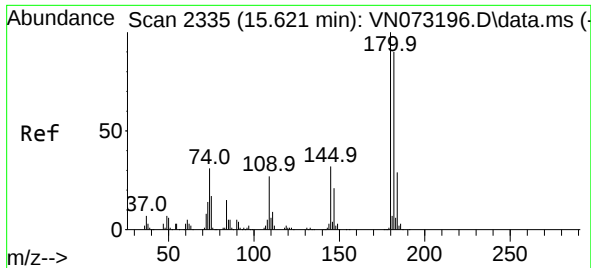
Ion Ratio Lower Upper

128 100

127 14.4 10.3 15.5

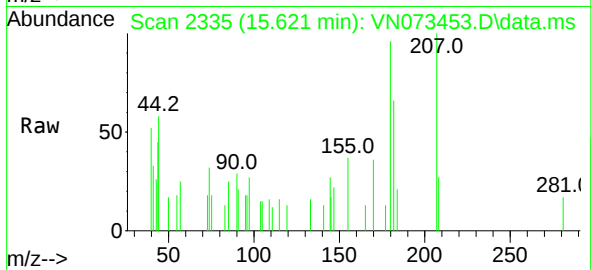
129 14.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.439 ug/l
 RT: 15.621 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN073453.D
 Acq: 13 Jul 2022 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 N48967



Tgt Ion:180 Resp: 1970
 Ion Ratio Lower Upper
 180 100
 182 101.8 47.8 143.3
 145 54.2 15.5 46.5#

