

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082422\
 Data File : VN074102.D
 Acq On : 24 Aug 2022 19:33
 Operator : JC\MD
 Sample : N4280-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT149S-20220817

Quant Time: Aug 25 07:56:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

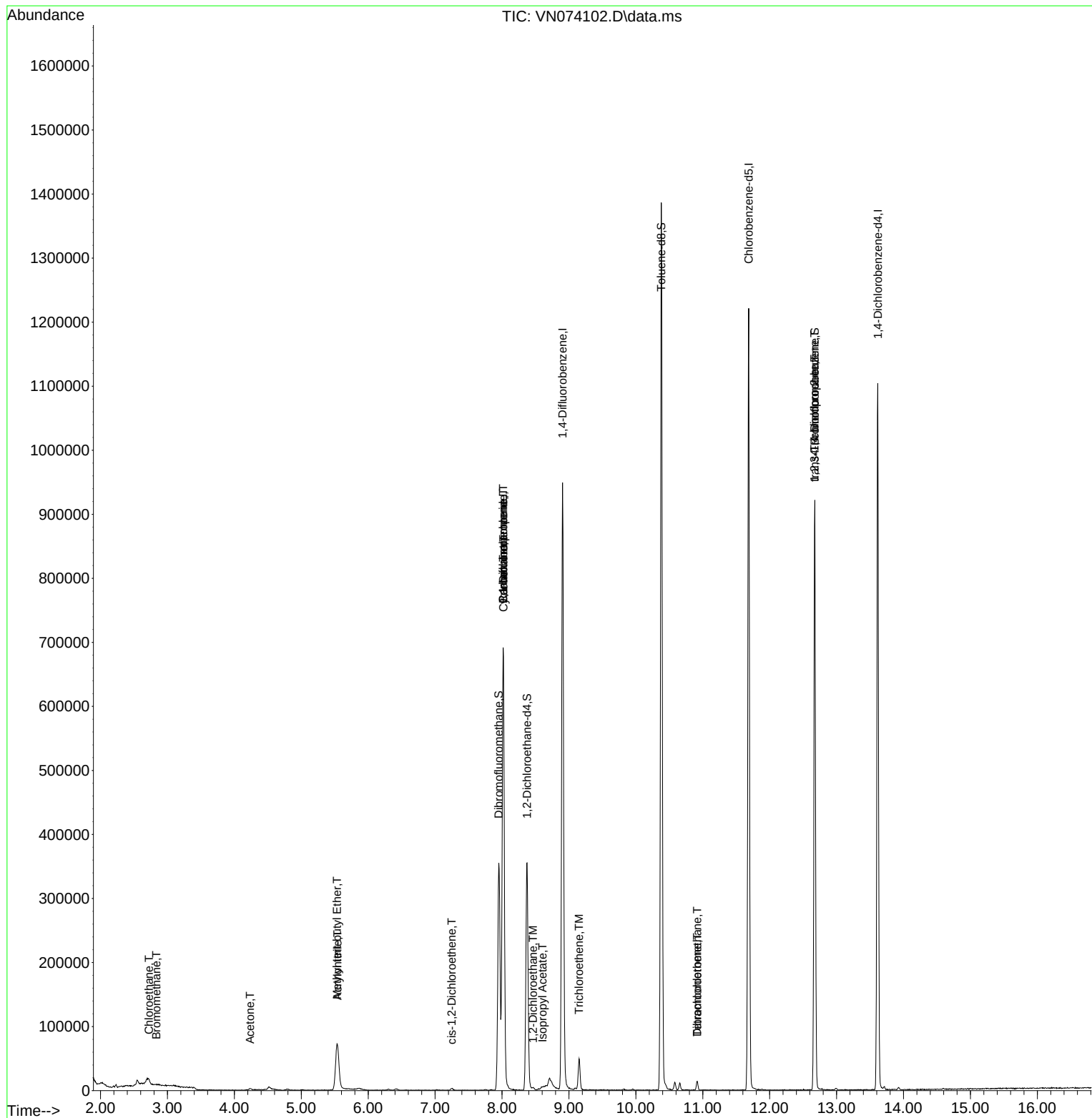
Internal Standards						
1) Pentafluorobenzene	8.016	168	582672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	887666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	741783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	317133	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	298205	52.545	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.100%	
35) Dibromofluoromethane	7.951	113	264752	50.433	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.860%	
50) Toluene-d8	10.381	98	982990	48.349	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.700%	
62) 4-Bromofluorobenzene	12.674	95	306291	45.393	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.780%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.834	94	926	0.225	ug/l	97
6) Chloroethane	2.722	64	1997	0.429	ug/l	95
15) Acrylonitrile	5.540	53	1867	0.602	ug/l #	20
16) Acetone	4.234	43	4577	1.709	ug/l #	82
18) Methyl Acetate	4.781	43	1825	Below Cal	#	75
19) Methyl tert-butyl Ether	5.534	73	118808	7.173	ug/l	97
27) cis-1,2-Dichloroethene	7.245	96	1339	0.214	ug/l	84
31) Cyclohexane	8.022	56	9592	1.212	ug/l #	2
36) 1,1-Dichloropropene	8.016	75	38427	5.270	ug/l #	48
38) Carbon Tetrachloride	8.016	117	52977	6.356	ug/l #	16
42) 1,2-Dichloroethane	8.463	62	2564	0.324	ug/l	80
43) Isopropyl Acetate	8.604	43	3824	0.304	ug/l #	53
44) Trichloroethene	9.151	130	18276	2.750	ug/l	94
60) Dibromochloromethane	10.916	129	2902	0.427	ug/l #	11
64) Tetrachloroethene	10.916	164	3729	0.637	ug/l #	70
76) 1,2,3-Trichloropropane	12.669	75	148050	22.460	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	148050	63.882	ug/l #	10

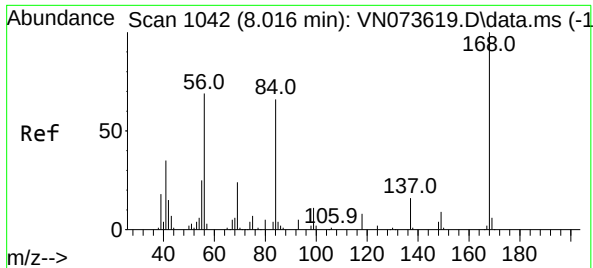
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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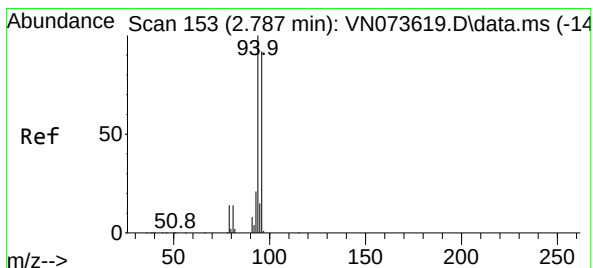
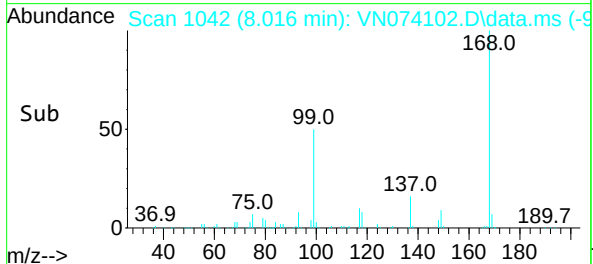
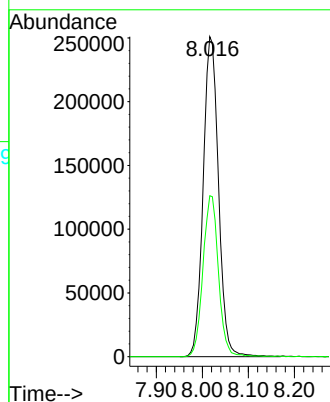
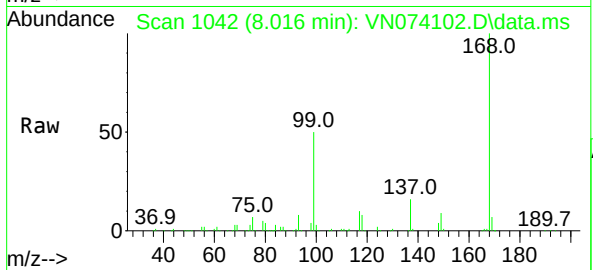




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074102.D
Acq: 24 Aug 2022 19:33

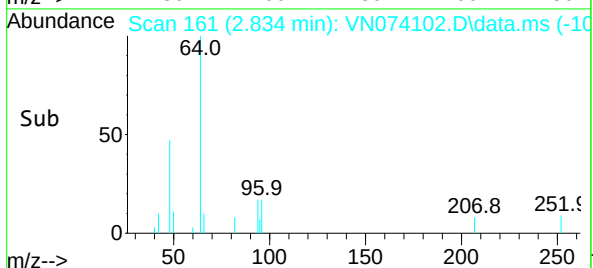
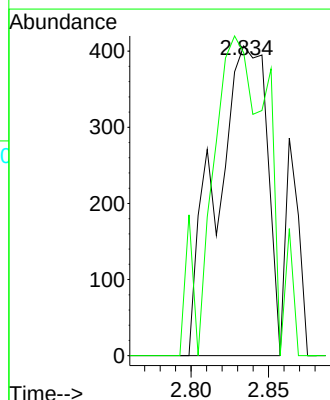
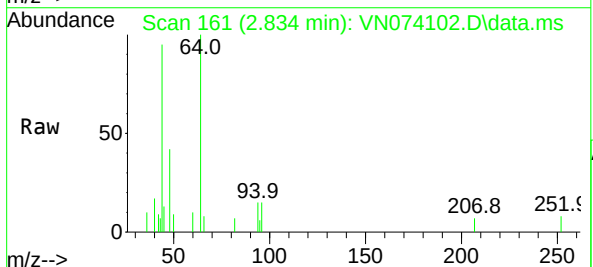
Instrument :
MSVOA_N
ClientSampleId :
TT149S-20220817

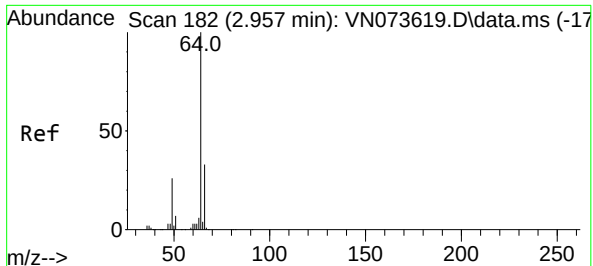
Tgt Ion:168 Resp: 582672
Ion Ratio Lower Upper
168 100
99 50.3 42.3 63.5



#5
Bromomethane
Concen: 0.225 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.047 min
Lab File: VN074102.D
Acq: 24 Aug 2022 19:33

Tgt Ion: 94 Resp: 926
Ion Ratio Lower Upper
94 100
96 97.8 76.0 114.0

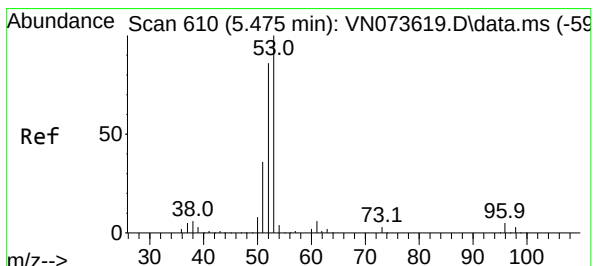
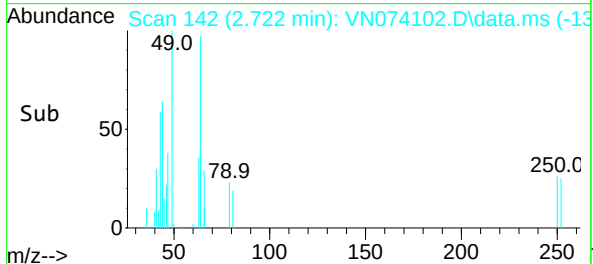
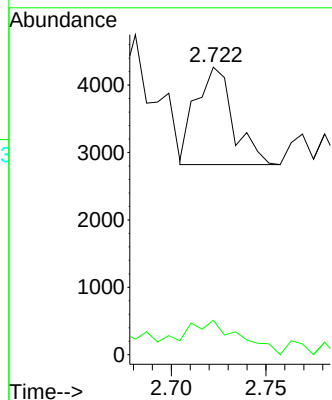
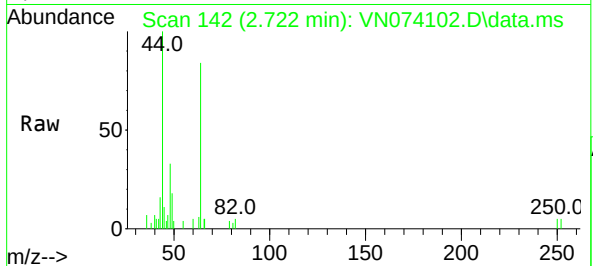




#6
Chloroethane
Concen: 0.429 ug/l
RT: 2.722 min Scan# 14
Delta R.T. -0.235 min
Lab File: VN074102.D
Acq: 24 Aug 2022 19:33

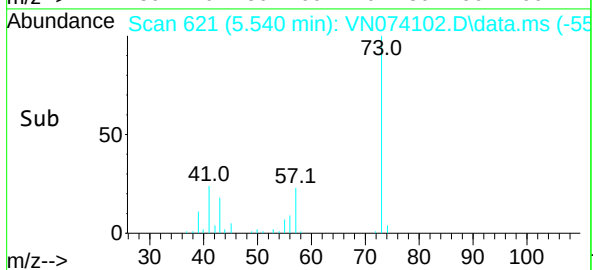
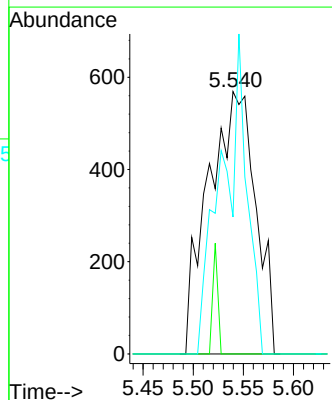
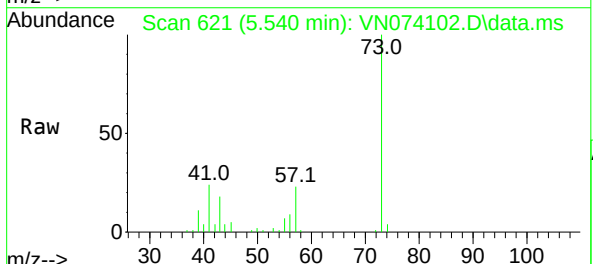
Instrument :
MSVOA_N
ClientSampleId :
TT149S-20220817

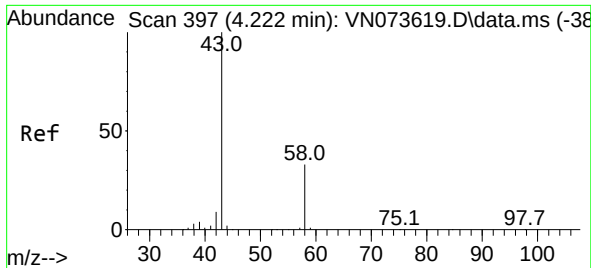
Tgt Ion: 64 Resp: 1997
Ion Ratio Lower Upper
64 100
66 35.4 26.2 39.4



#15
Acrylonitrile
Concen: 0.602 ug/l
RT: 5.540 min Scan# 621
Delta R.T. 0.065 min
Lab File: VN074102.D
Acq: 24 Aug 2022 19:33

Tgt Ion: 53 Resp: 1867
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 65.2 28.5 42.7#





#16

Acetone

Concen: 1.709 ug/l

RT: 4.234 min Scan# 397

Delta R.T. 0.012 min

Lab File: VN074102.D

Acq: 24 Aug 2022 19:33

Instrument :

MSVOA_N

ClientSampleId :

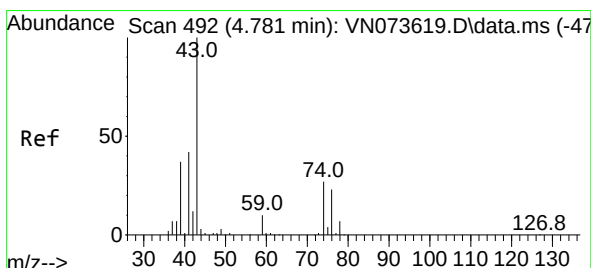
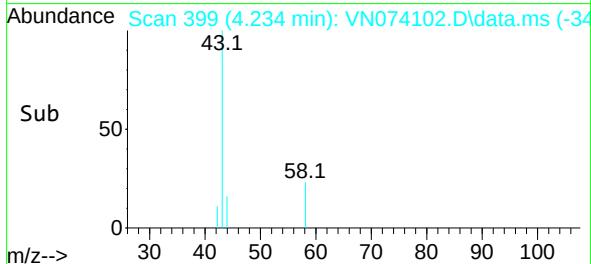
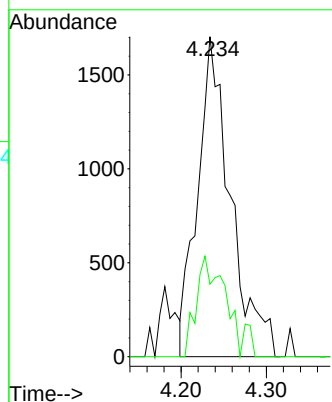
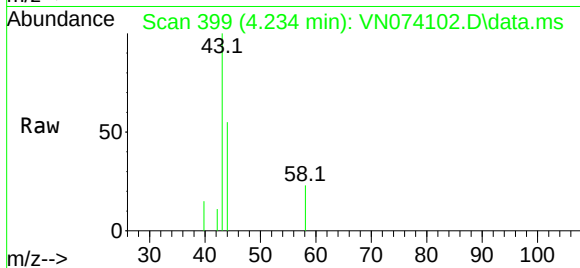
TT149S-20220817

Tgt Ion: 43 Resp: 4577

Ion Ratio Lower Upper

43 100

58 22.7 26.0 39.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.781 min Scan# 492

Delta R.T. -0.000 min

Lab File: VN074102.D

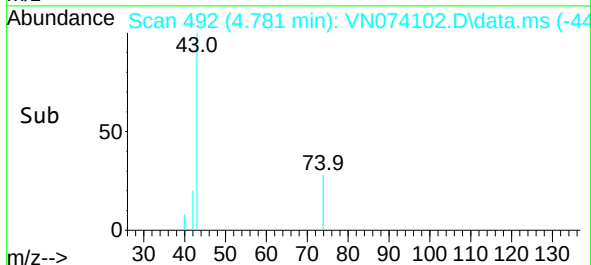
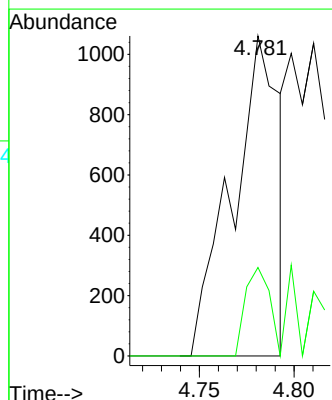
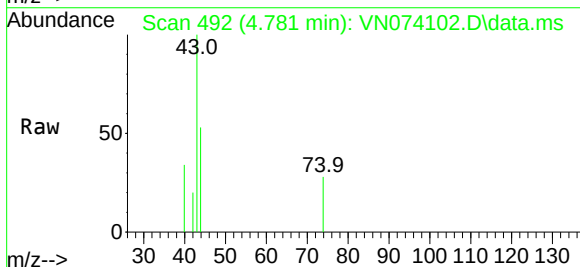
Acq: 24 Aug 2022 19:33

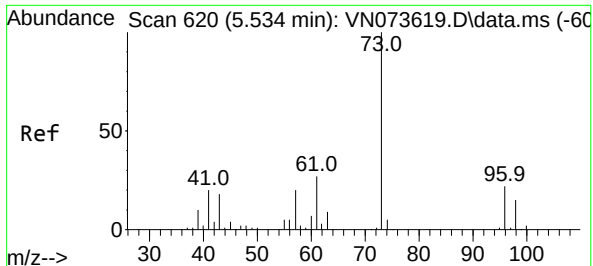
Tgt Ion: 43 Resp: 1825

Ion Ratio Lower Upper

43 100

74 14.3 21.6 32.4#





#19

Methyl tert-butyl Ether

Concen: 7.173 ug/l

RT: 5.534 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN074102.D

Acq: 24 Aug 2022 19:33

Instrument :

MSVOA_N

ClientSampleId :

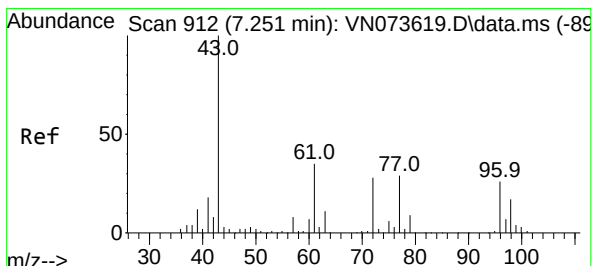
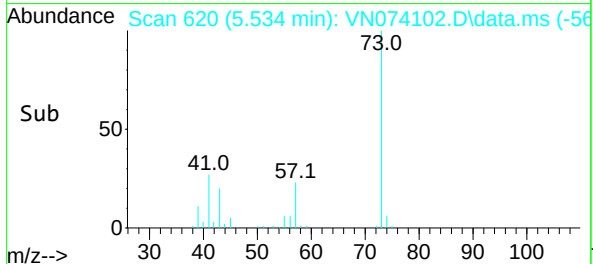
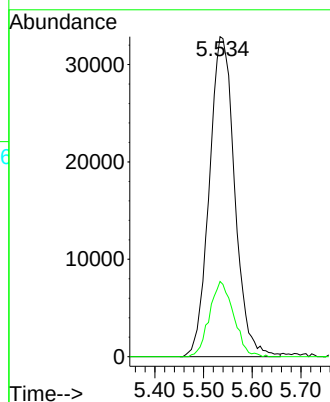
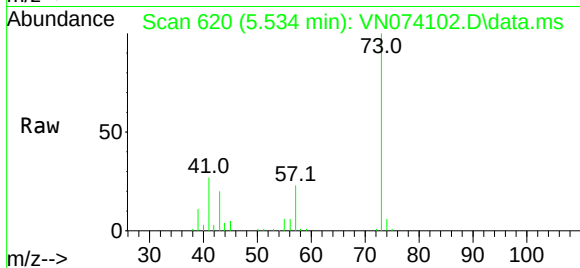
TT149S-20220817

Tgt Ion: 73 Resp: 118808

Ion Ratio Lower Upper

73 100

57 23.5 17.6 26.4



#27

cis-1,2-Dichloroethene

Concen: 0.214 ug/l

RT: 7.245 min Scan# 911

Delta R.T. -0.006 min

Lab File: VN074102.D

Acq: 24 Aug 2022 19:33

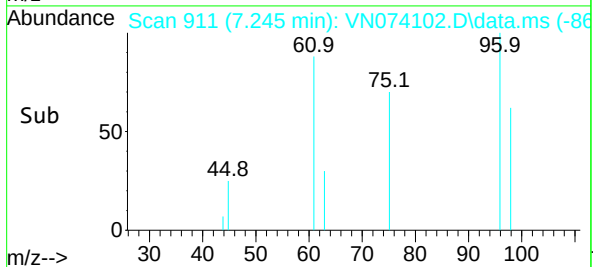
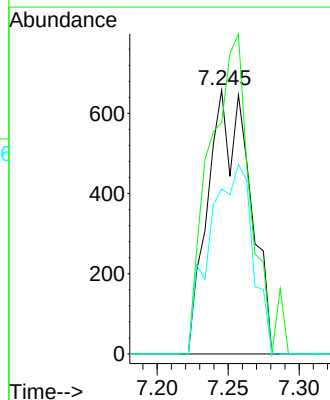
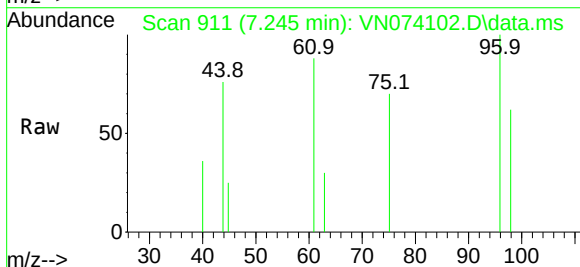
Tgt Ion: 96 Resp: 1339

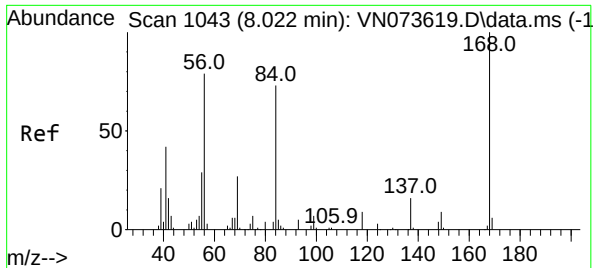
Ion Ratio Lower Upper

96 100

61 119.6 0.0 280.6

98 74.4 0.0 128.4

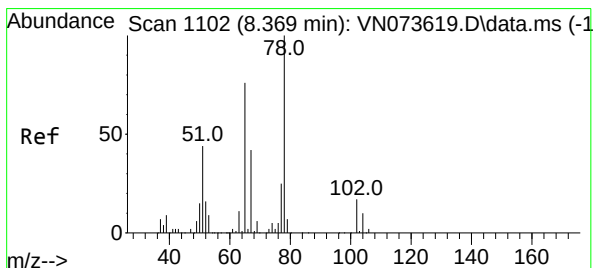
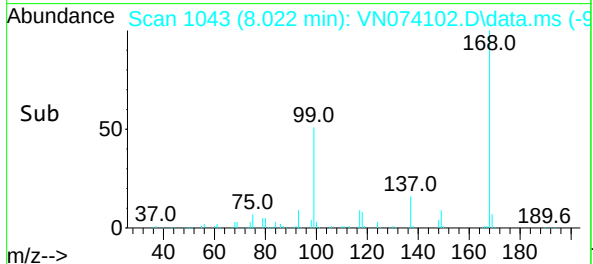
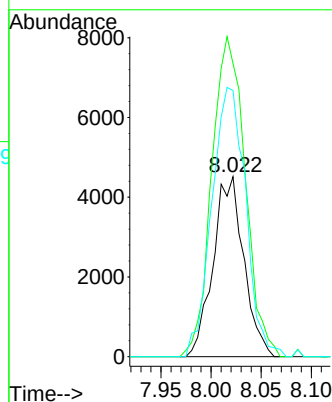
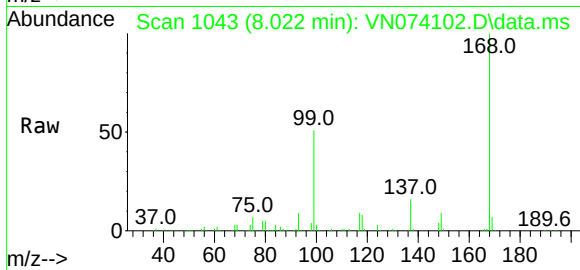




#31
Cyclohexane
Concen: 1.212 ug/l
RT: 8.022 min Scan# 1103
Delta R.T. -0.000 min
Lab File: VN074102.D
Acq: 24 Aug 2022 19:33

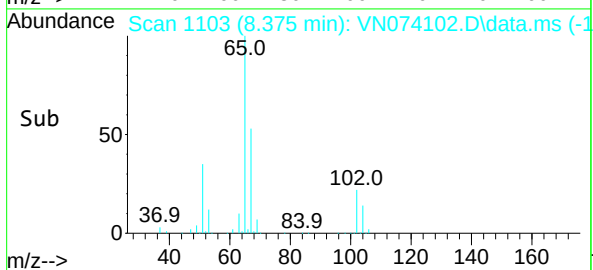
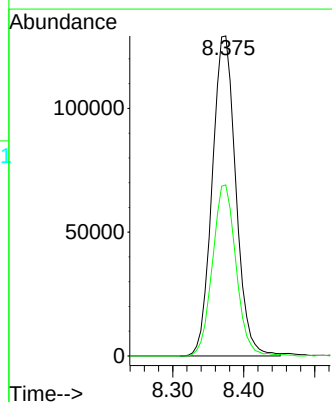
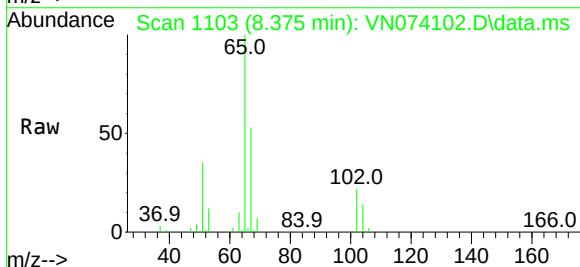
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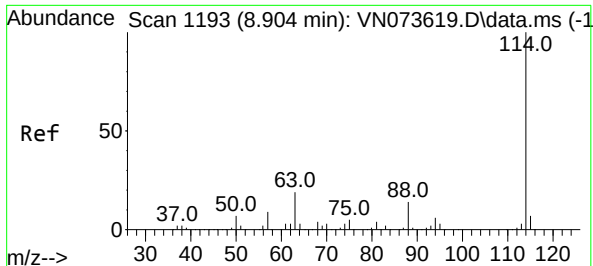
Tgt Ion: 56 Resp: 9592
Ion Ratio Lower Upper
56 100
69 162.9 27.8 41.8#
84 147.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 52.545 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074102.D
Acq: 24 Aug 2022 19:33

Tgt Ion: 65 Resp: 298205
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074102.D

Acq: 24 Aug 2022 19:33

Instrument :

MSVOA_N

ClientSampleId :

TT149S-20220817

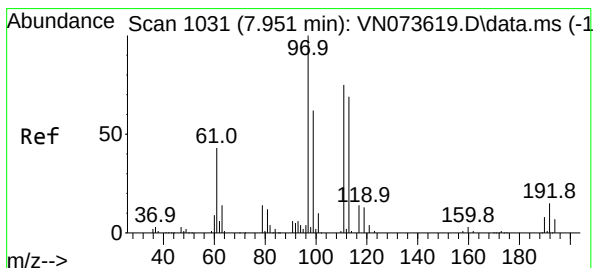
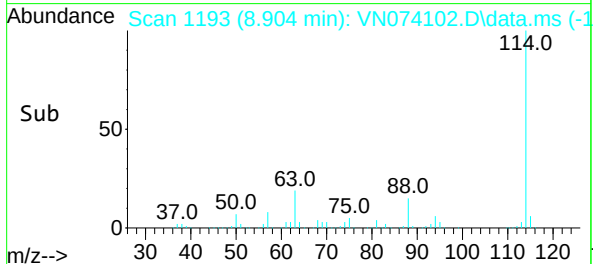
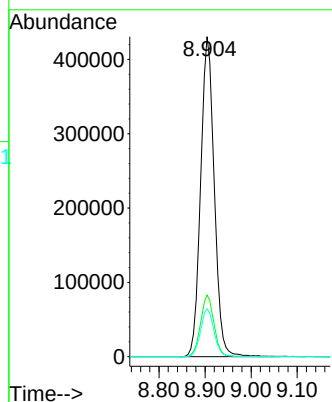
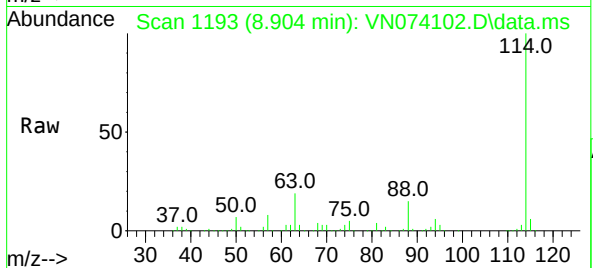
Tgt Ion:114 Resp: 887666

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.433 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074102.D

Acq: 24 Aug 2022 19:33

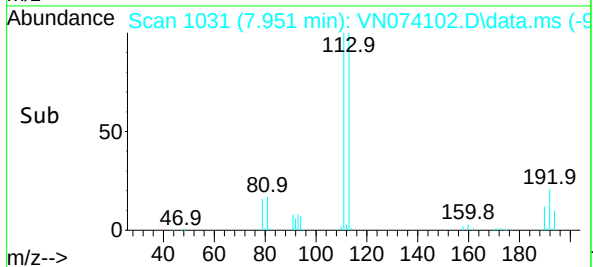
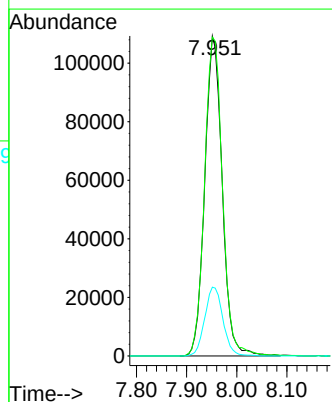
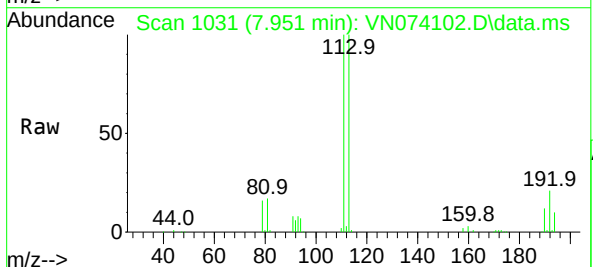
Tgt Ion:113 Resp: 264752

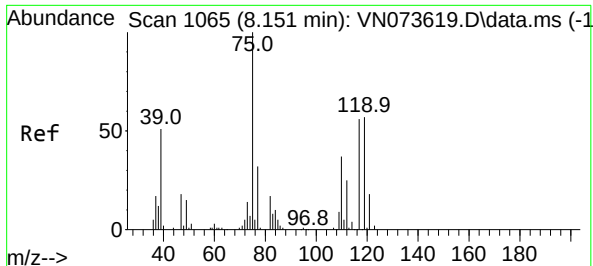
Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

192 22.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.270 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074102.D

Acq: 24 Aug 2022 19:33

Instrument :

MSVOA_N

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TT149S-20220817

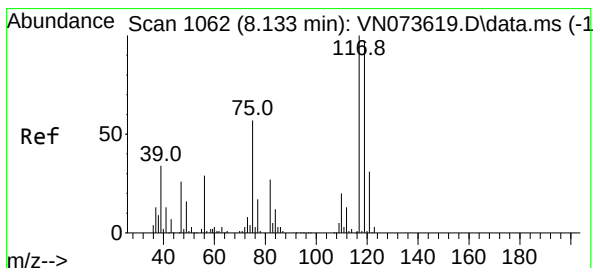
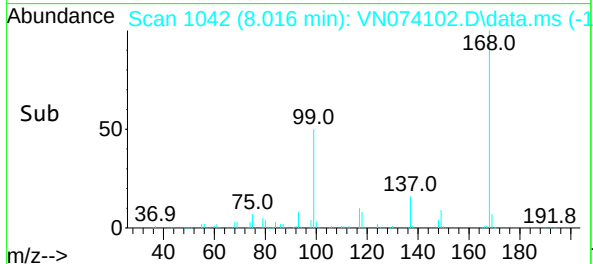
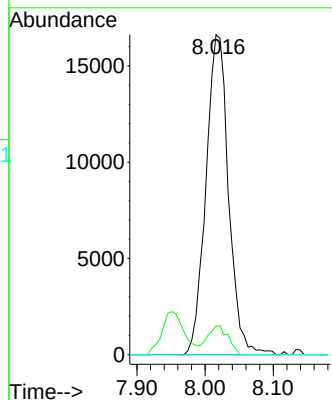
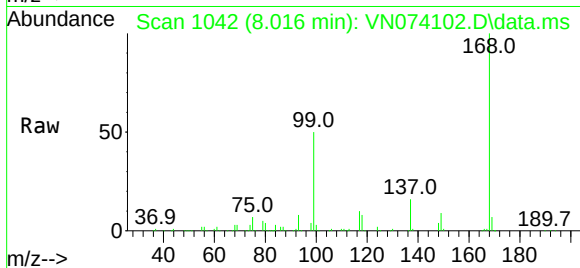
Tgt Ion: 75 Resp: 38427

Ion Ratio Lower Upper

75 100

110 8.1 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.356 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.117 min

Lab File: VN074102.D

Acq: 24 Aug 2022 19:33

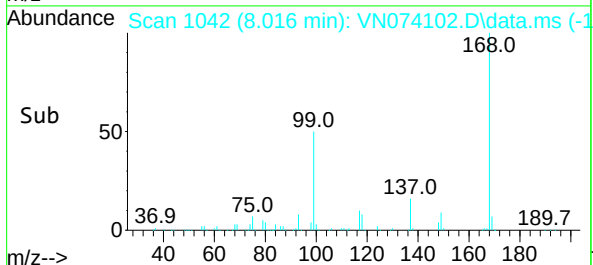
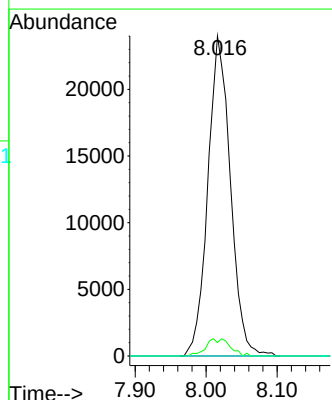
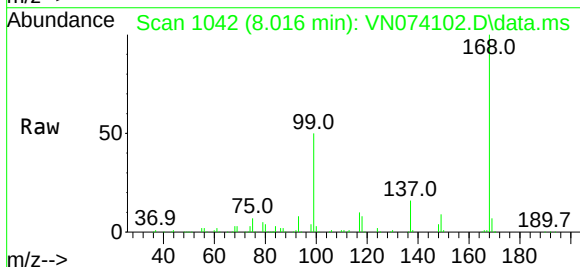
Tgt Ion: 117 Resp: 52977

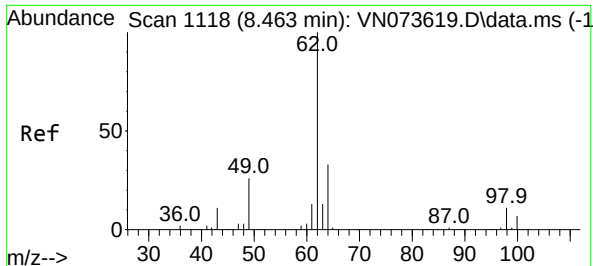
Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.8#

121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.324 ug/l

RT: 8.463 min Scan# 1118

Delta R.T. -0.000 min

Lab File: VN074102.D

Acq: 24 Aug 2022 19:33

Instrument :

MSVOA_N

ClientSampleId :

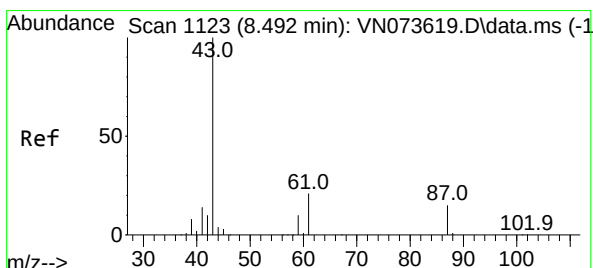
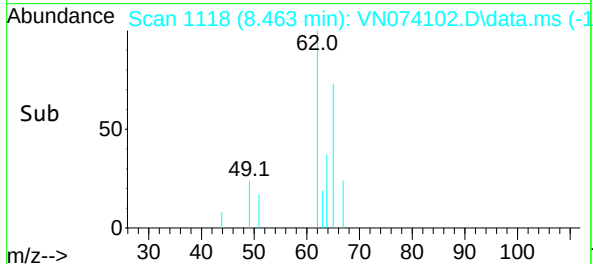
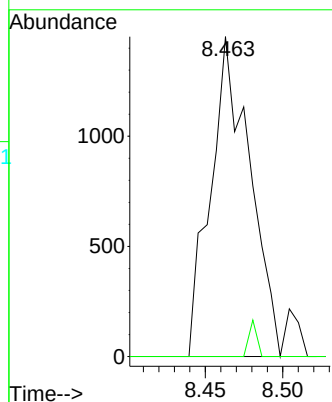
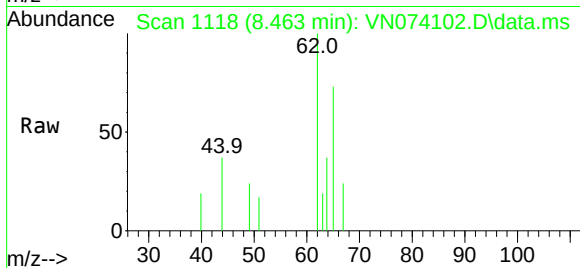
TT149S-20220817

Tgt Ion: 62 Resp: 2564

Ion Ratio Lower Upper

62 100

98 2.3 0.0 19.4



#43

Isopropyl Acetate

Concen: 0.304 ug/l

RT: 8.604 min Scan# 1142

Delta R.T. 0.112 min

Lab File: VN074102.D

Acq: 24 Aug 2022 19:33

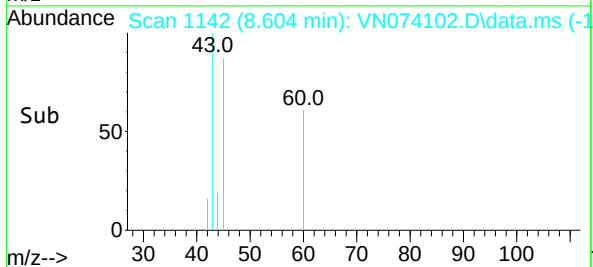
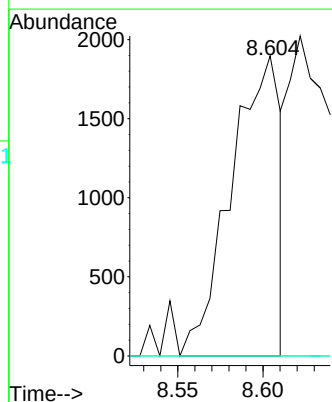
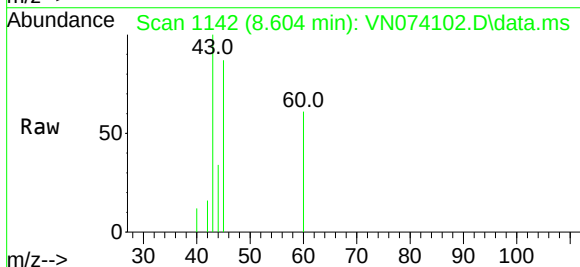
Tgt Ion: 43 Resp: 3824

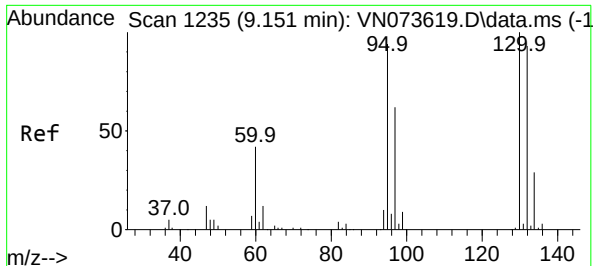
Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#

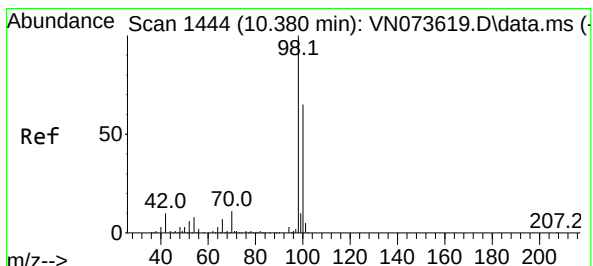
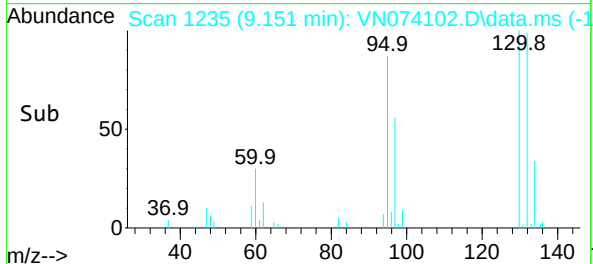
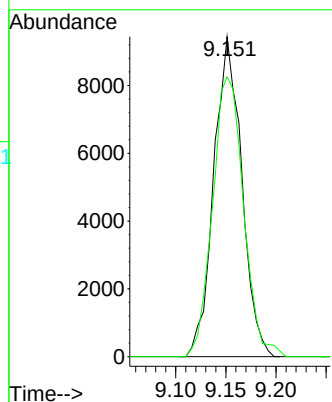
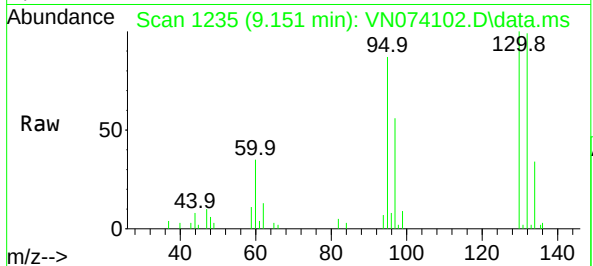




#44
Trichloroethene
Concen: 2.750 ug/l
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074102.D
Acq: 24 Aug 2022 19:33

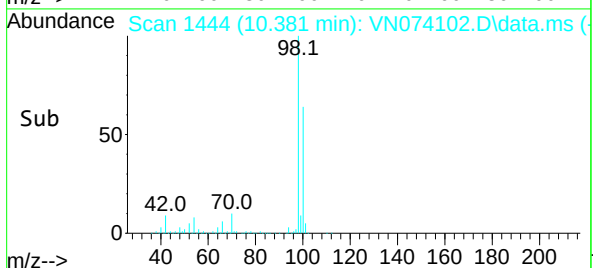
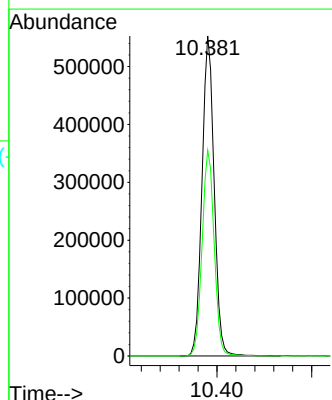
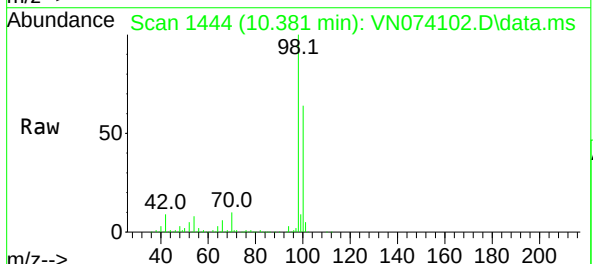
Instrument :
MSVOA_N
ClientSampleId :
TT149S-20220817

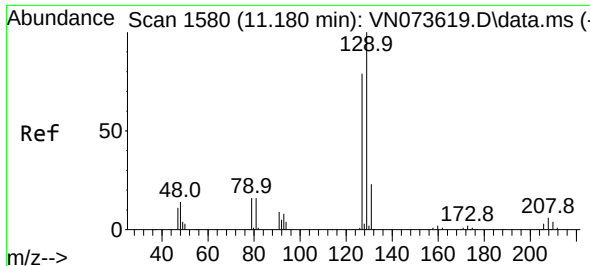
Tgt Ion:130 Resp: 18276
Ion Ratio Lower Upper
130 100
95 87.4 0.0 186.8



#50
Toluene-d8
Concen: 48.349 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074102.D
Acq: 24 Aug 2022 19:33

Tgt Ion: 98 Resp: 982990
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8

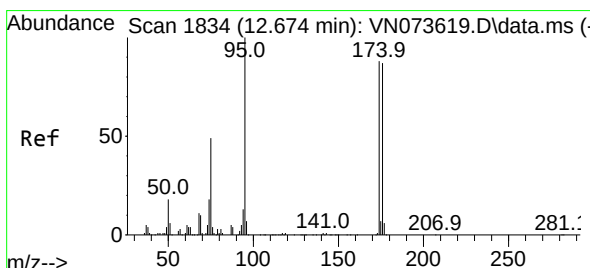
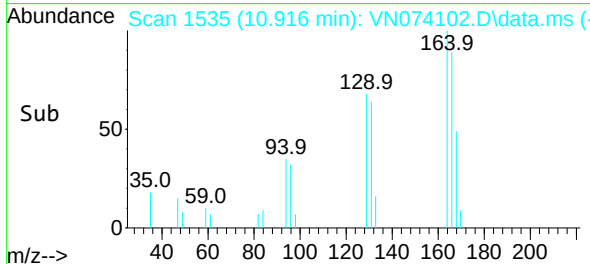
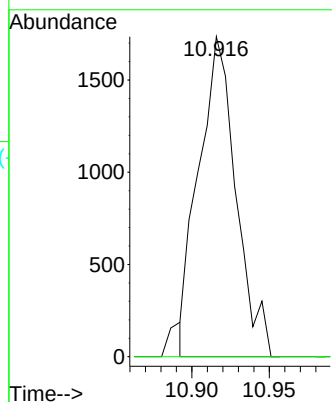
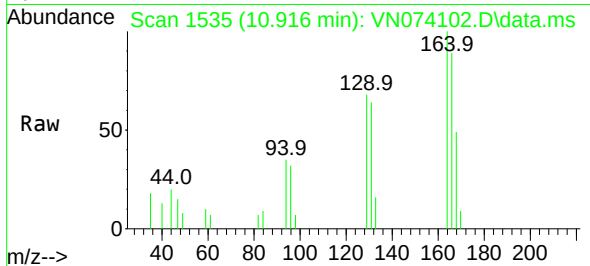




#60
Dibromochloromethane
Concen: 0.427 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.264 min
Lab File: VN074102.D
Acq: 24 Aug 2022 19:33

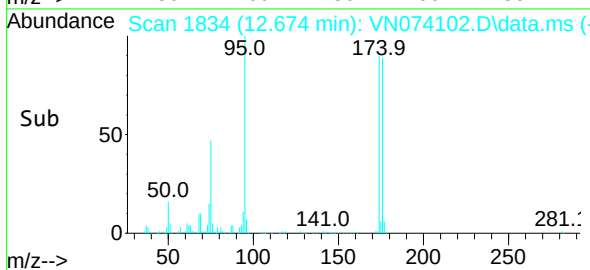
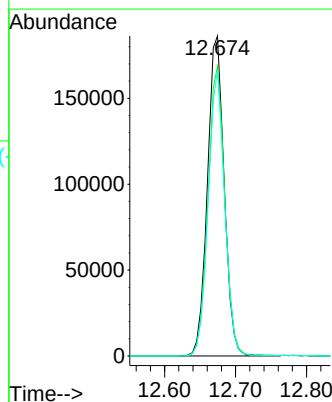
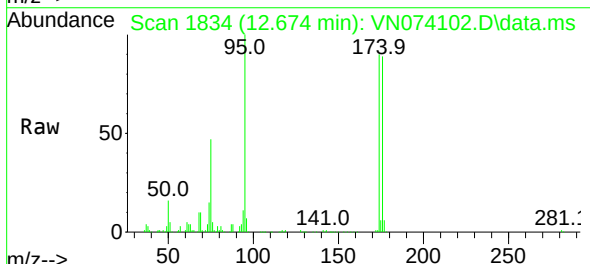
Instrument :
MSVOA_N
ClientSampleId :
TT149S-20220817

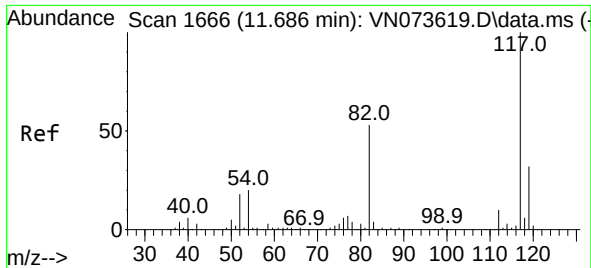
Tgt Ion:129 Resp: 2902
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.393 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074102.D
Acq: 24 Aug 2022 19:33

Tgt Ion: 95 Resp: 306291
Ion Ratio Lower Upper
95 100
174 91.0 0.0 167.6
176 87.0 0.0 163.4

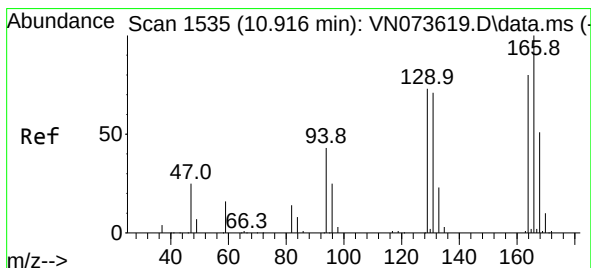
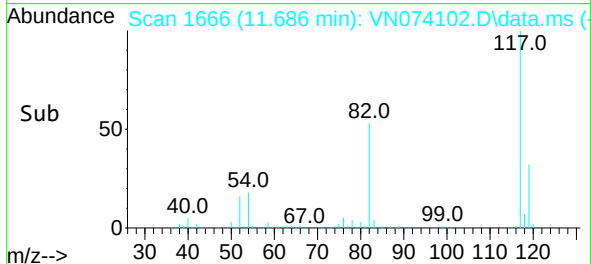
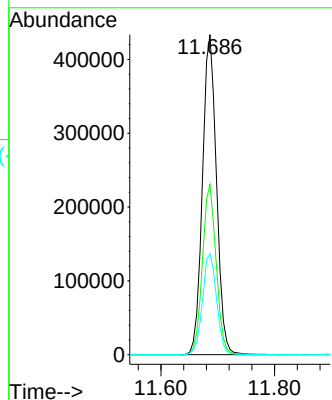
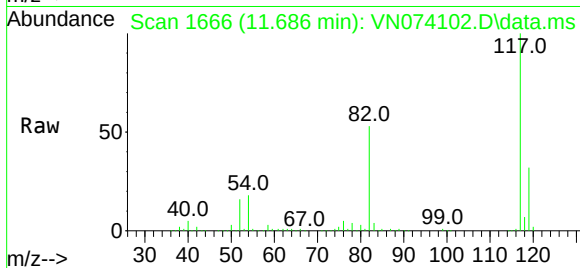




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074102.D
Acq: 24 Aug 2022 19:33

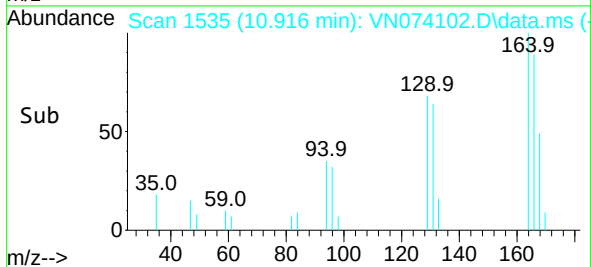
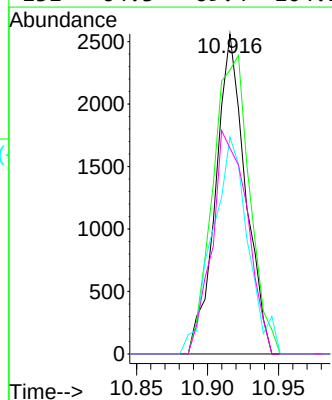
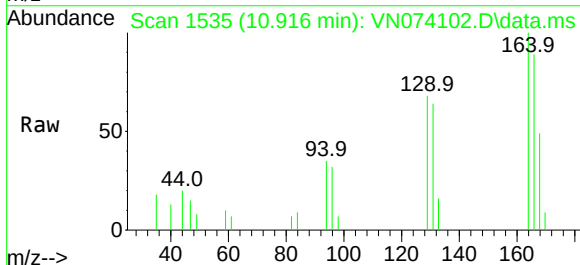
Instrument :
MSVOA_N
ClientSampleId :
TT149S-20220817

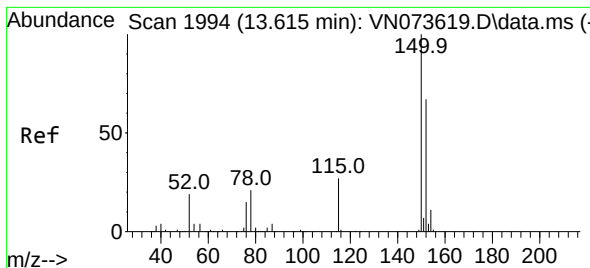
Tgt Ion:117 Resp: 741783
Ion Ratio Lower Upper
117 100
82 53.2 44.2 66.2
119 31.6 25.4 38.0



#64
Tetrachloroethene
Concen: 0.637 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN074102.D
Acq: 24 Aug 2022 19:33

Tgt Ion:164 Resp: 3729
Ion Ratio Lower Upper
164 100
166 88.7 104.2 156.2#
129 67.7 73.9 110.9#
131 64.3 69.4 104.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.001 min

Lab File: VN074102.D

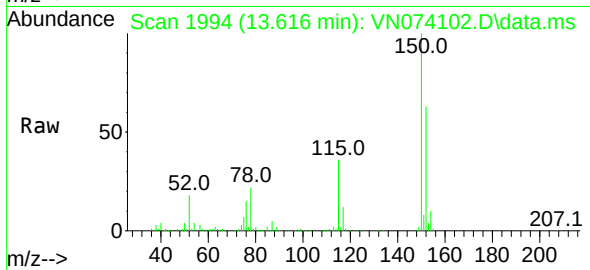
Acq: 24 Aug 2022 19:33

Instrument :

MSVOA_N

ClientSampleId :

TT149S-20220817



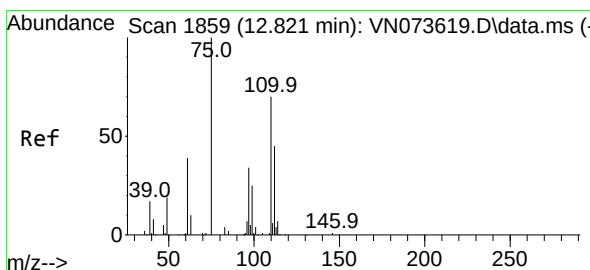
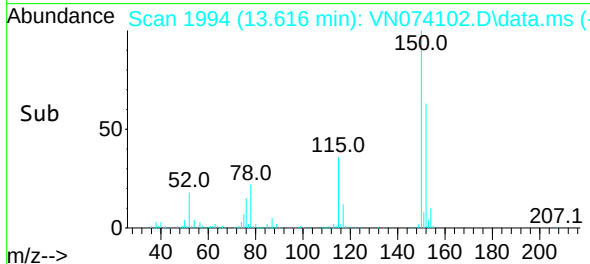
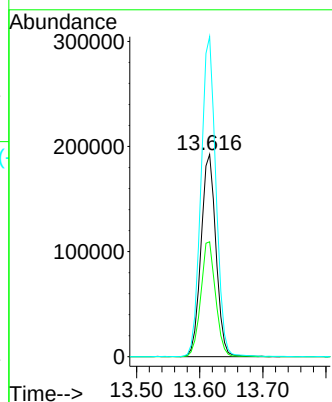
Tgt Ion:152 Resp: 317133

Ion Ratio Lower Upper

152 100

115 56.1 28.9 86.7

150 158.1 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 22.460 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. -0.152 min

Lab File: VN074102.D

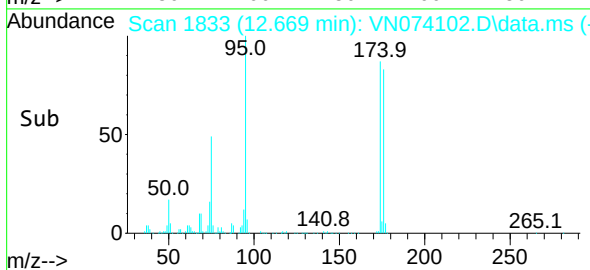
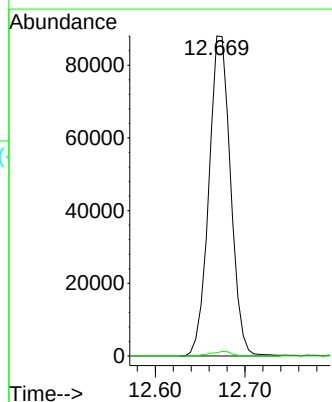
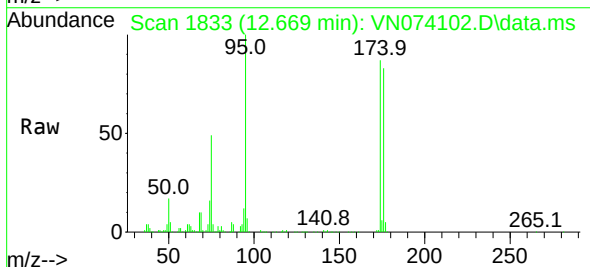
Acq: 24 Aug 2022 19:33

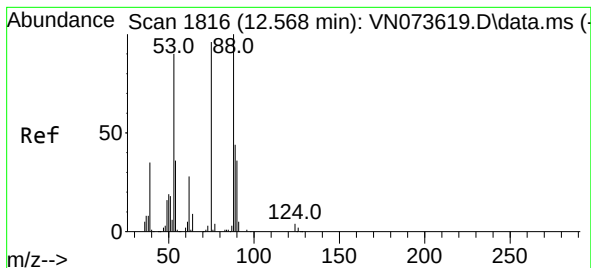
Tgt Ion: 75 Resp: 148050

Ion Ratio Lower Upper

75 100

77 1.3 98.5 295.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 63.882 ug/l

RT: 12.669 min Scan# 11

Delta R.T. 0.101 min

Lab File: VN074102.D

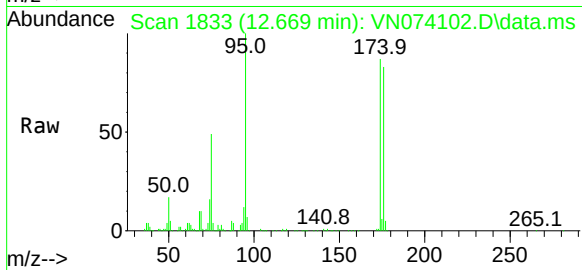
Acq: 24 Aug 2022 19:33

Instrument :

MSVOA_N

ClientSampleId :

TT149S-20220817



Tgt Ion: 75 Resp: 148050

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 37.2 55.8#

