

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072122\
 Data File : VN073549.D
 Acq On : 21 Jul 2022 12:09
 Operator : JC\MD
 Sample : VN0721WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBL01

Quant Time: Jul 21 15:48:51 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	295135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	474830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	430870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	203788	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	190907	44.808	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.620%
35) Dibromofluoromethane	7.951	113	166520	52.711	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.420%
50) Toluene-d8	10.380	98	521519	46.481	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.960%
62) 4-Bromofluorobenzene	12.674	95	208794	48.423	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.840%

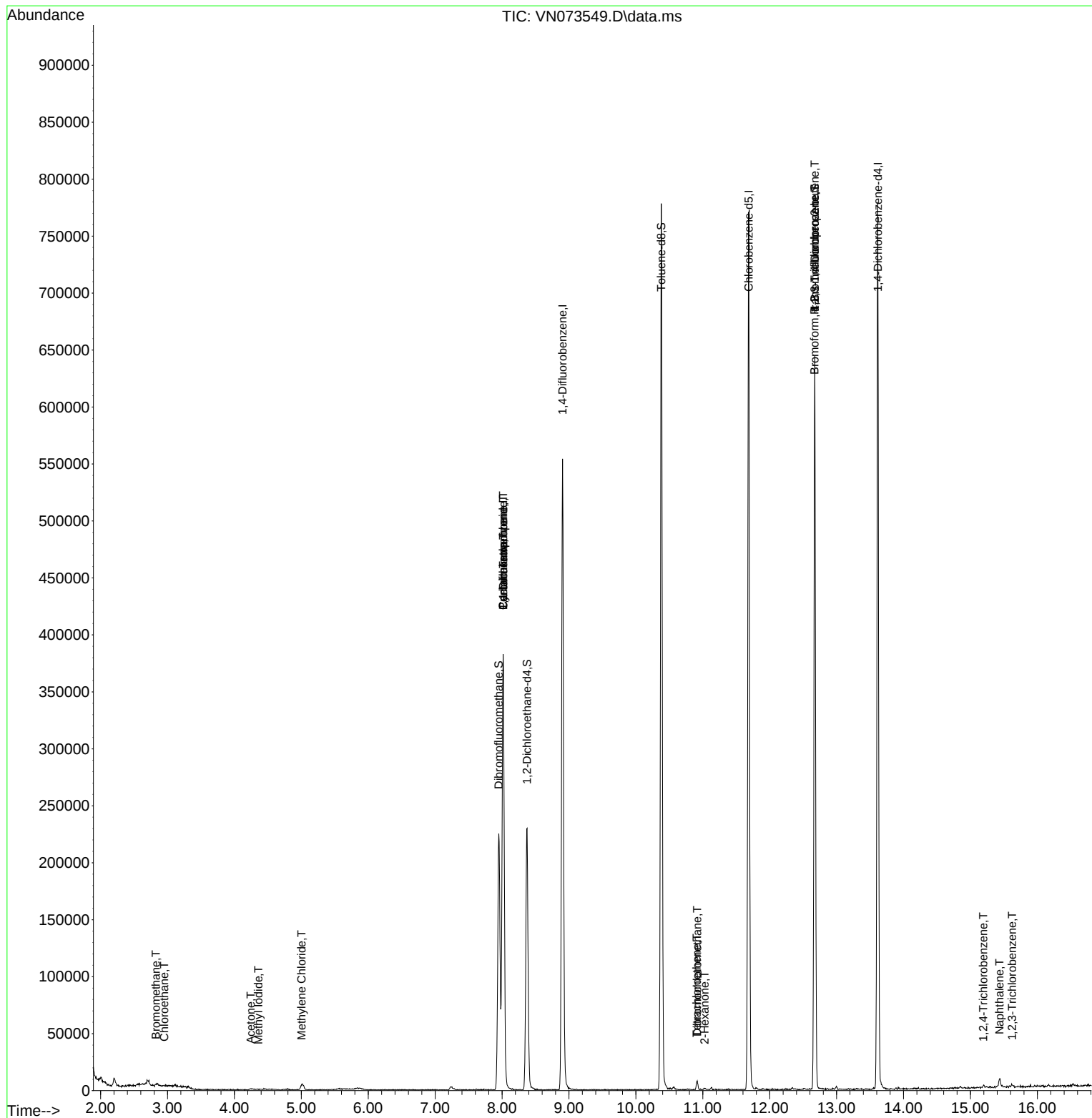
Target Compounds					Qvalue	
5) Bromomethane	2.828	94	1134	0.675	ug/l #	47
6) Chloroethane	2.951	64	436	0.208	ug/l #	42
10) Methyl Iodide	4.357	142	291	3.790	ug/l #	44
16) Acetone	4.245	43	1597	0.668	ug/l #	48
20) Methylene Chloride	5.004	84	4141	0.985	ug/l #	79
31) Cyclohexane	8.016	56	6808	0.976	ug/l #	12
36) 1,1-Dichloropropene	8.016	75	23715	4.879	ug/l #	50
38) Carbon Tetrachloride	8.016	117	29465	5.862	ug/l #	16
59) 2-Hexanone	11.027	43	1273	0.249	ug/l	93
60) Dibromochloromethane	10.916	129	1620	0.445	ug/l #	11
64) Tetrachloroethene	10.910	164	1656	0.471	ug/l #	70
71) Bromoform	12.668	173	1439	0.549	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	113246	21.252	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	113246	58.284	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.192	180	949	0.244	ug/l #	86
95) Naphthalene	15.433	128	8054	0.513	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.621	180	1158	0.288	ug/l	89

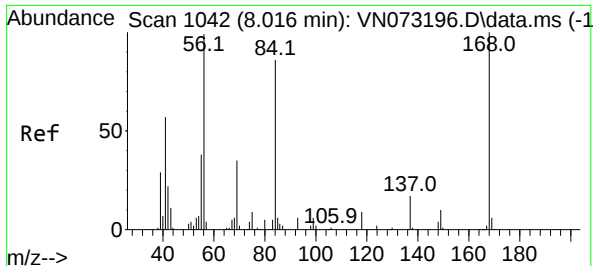
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration

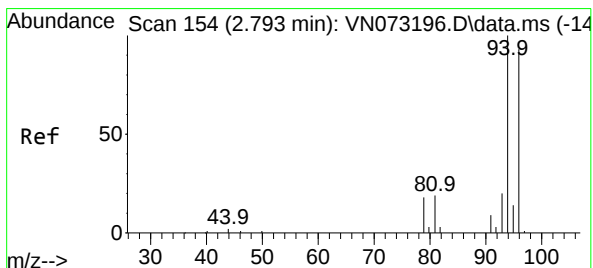
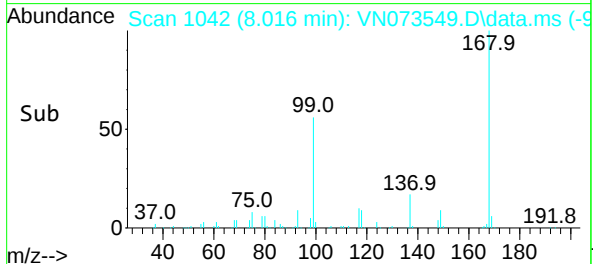
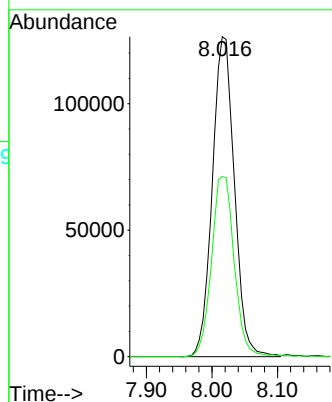
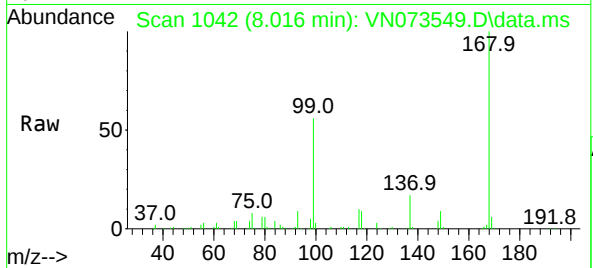




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

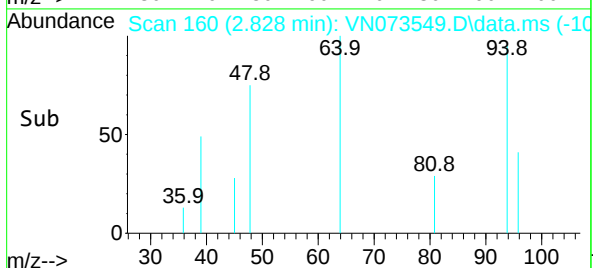
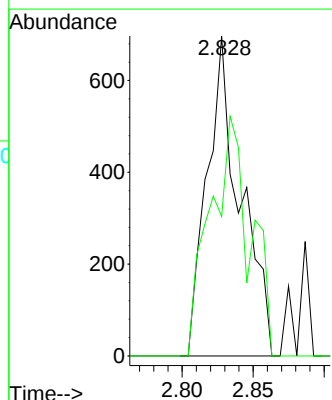
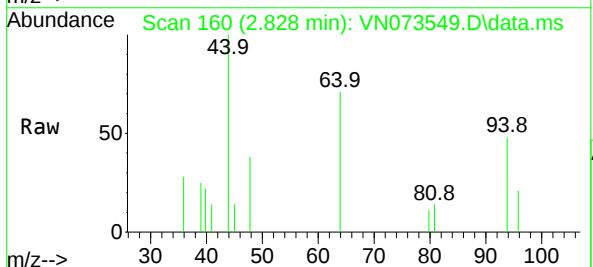
Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

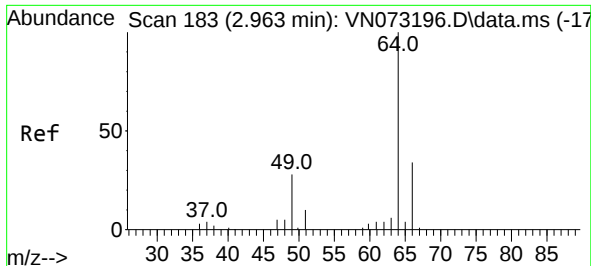
Tgt Ion:168 Resp: 295135
Ion Ratio Lower Upper
168 100
99 56.3 42.3 63.5



#5
Bromomethane
Concen: 0.675 ug/l
RT: 2.828 min Scan# 160
Delta R.T. 0.035 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

Tgt Ion: 94 Resp: 1134
Ion Ratio Lower Upper
94 100
96 43.6 76.0 114.0#

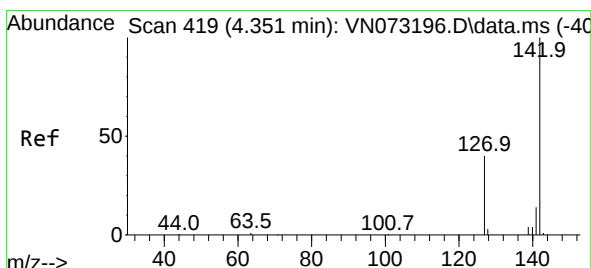
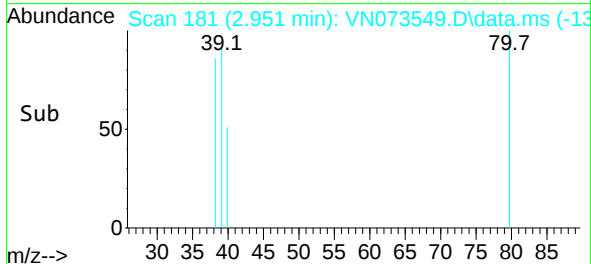
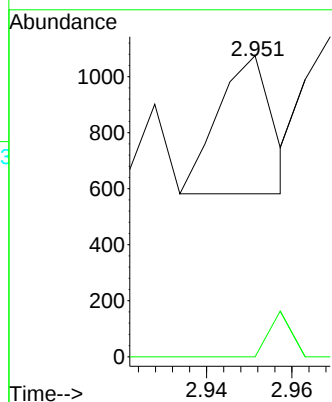
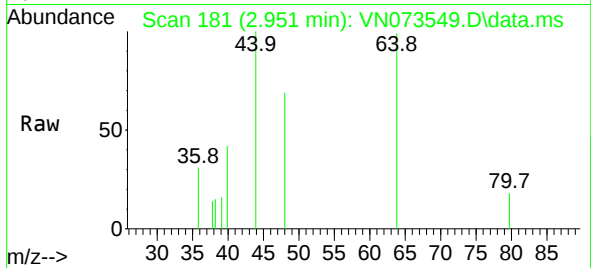




#6
Chloroethane
Concen: 0.208 ug/l
RT: 2.951 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

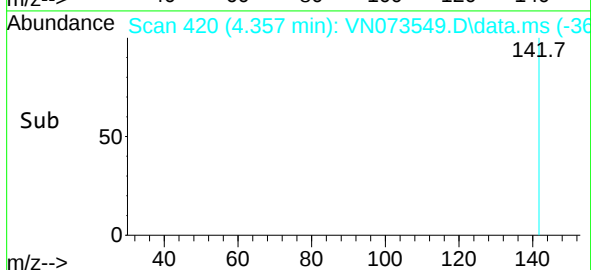
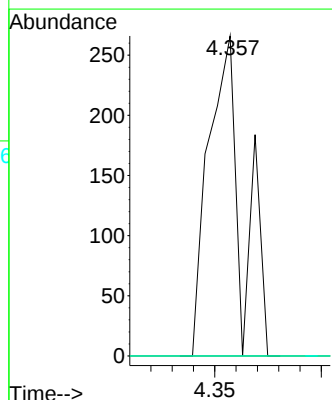
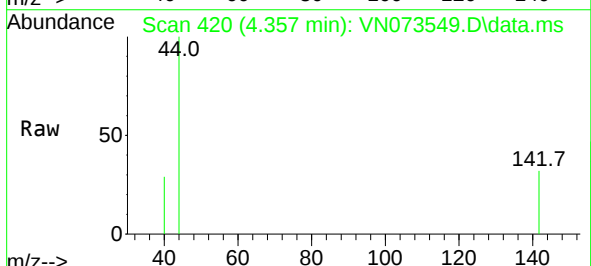
Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion: 64 Resp: 436
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#10
Methyl Iodide
Concen: 3.790 ug/l
RT: 4.357 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

Tgt Ion: 142 Resp: 291
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#

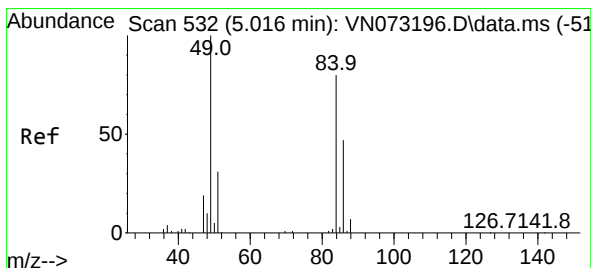
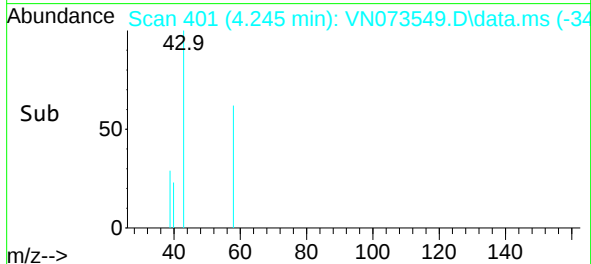
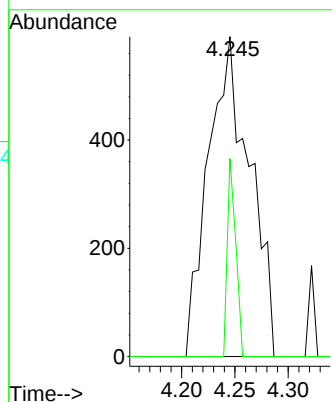
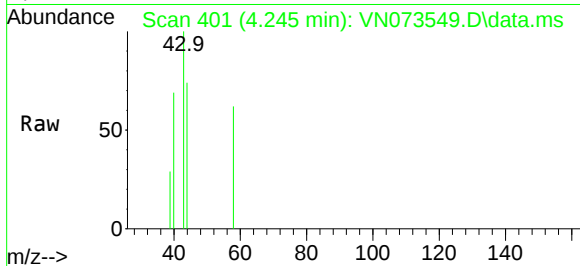




#16
Acetone
Concen: 0.668 ug/l
RT: 4.245 min Scan# 401
Delta R.T. 0.023 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

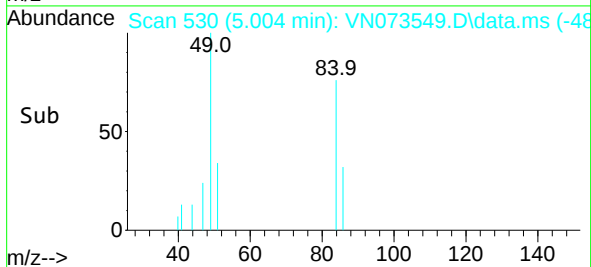
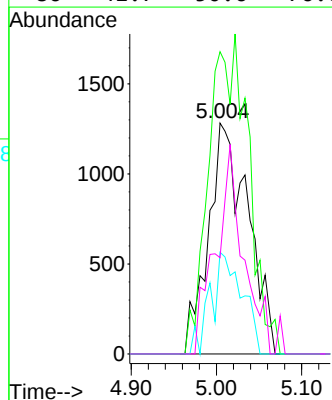
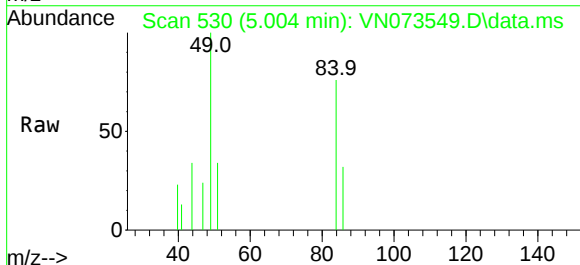
Instrument :
MSVOA_N
ClientSampleId :
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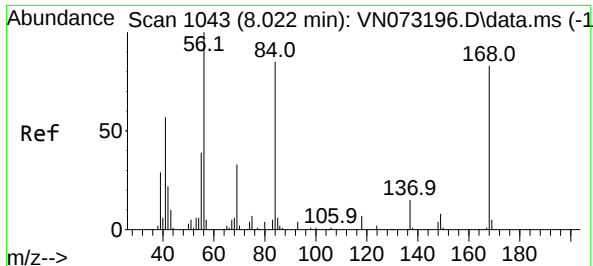
Tgt Ion: 43 Resp: 1597
Ion Ratio Lower Upper
43 100
58 61.9 26.0 39.0#



#20
Methylene Chloride
Concen: 0.985 ug/l
RT: 5.004 min Scan# 530
Delta R.T. -0.012 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

Tgt Ion: 84 Resp: 4141
Ion Ratio Lower Upper
84 100
49 130.9 88.3 132.5
51 44.1 28.2 42.2#
86 41.7 50.6 76.0#

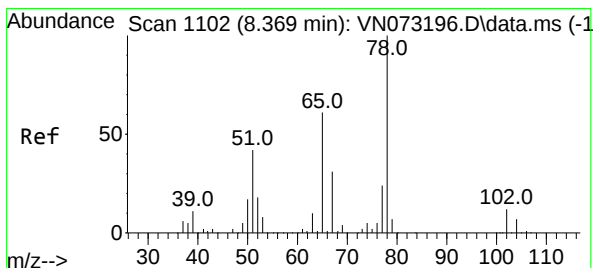
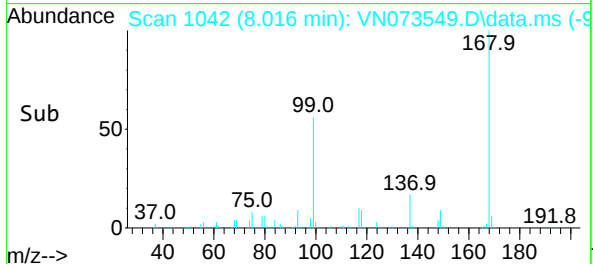
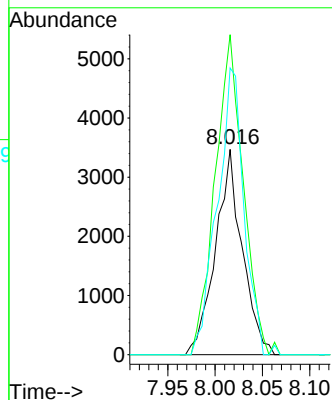
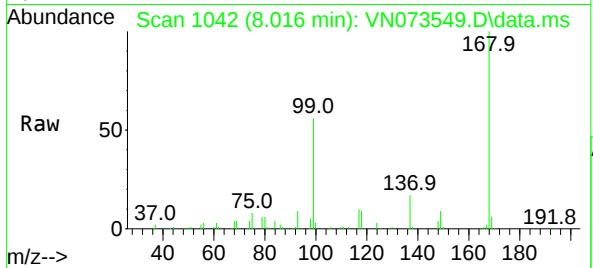




#31
Cyclohexane
Concen: 0.976 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

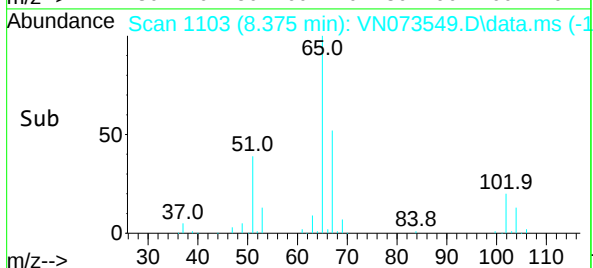
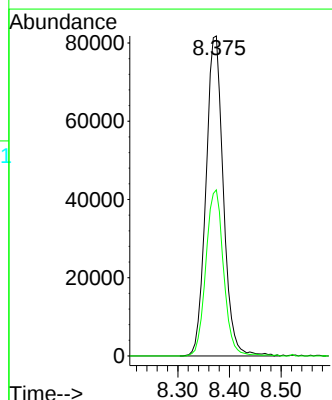
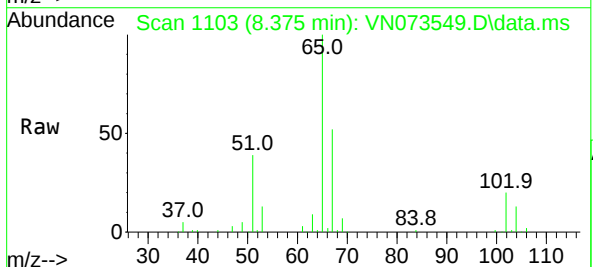
Instrument :
MSVOA_N
ClientSampleId :
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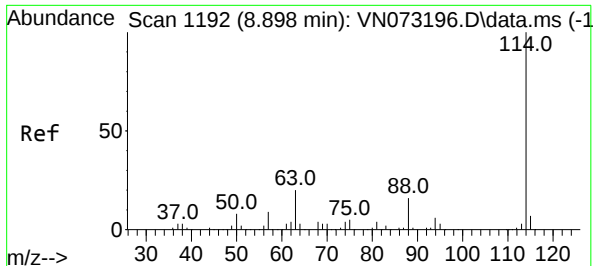
Tgt Ion: 56 Resp: 6808
Ion Ratio Lower Upper
56 100
69 155.9 27.8 41.8#
84 139.7 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 44.808 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

Tgt Ion: 65 Resp: 190907
Ion Ratio Lower Upper
65 100
67 52.8 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: VN073549.D

Acq: 21 Jul 2022 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0721WBL01

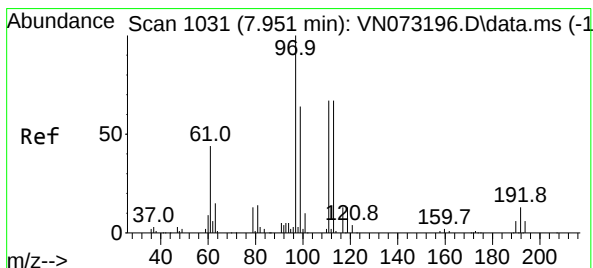
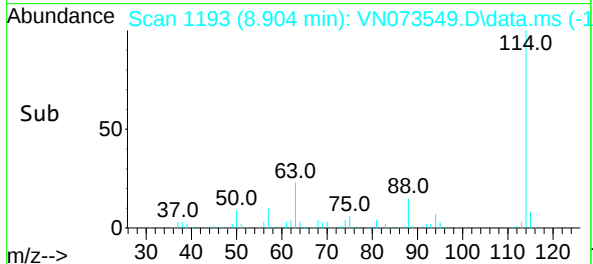
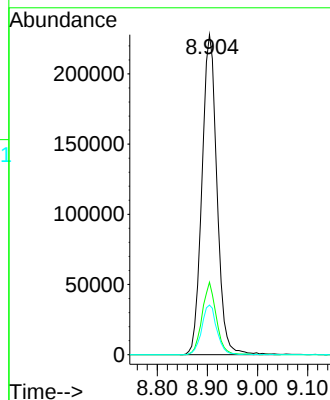
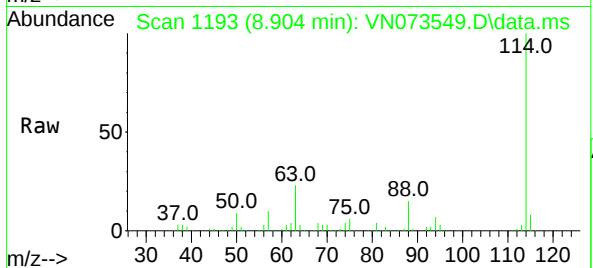
Tgt Ion:114 Resp: 474830

Ion Ratio Lower Upper

114 100

63 22.7 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.711 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073549.D

Acq: 21 Jul 2022 12:09

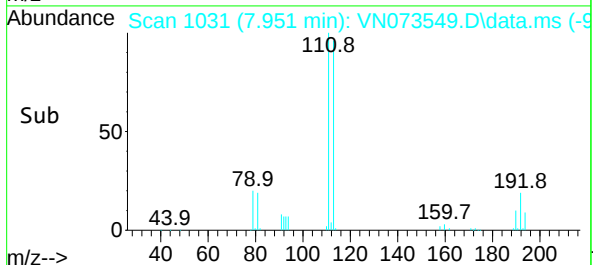
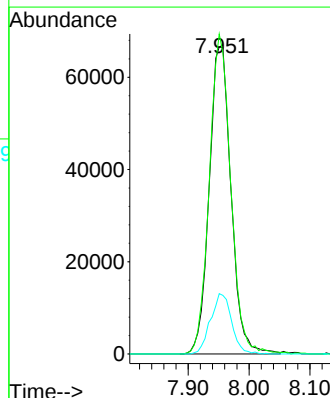
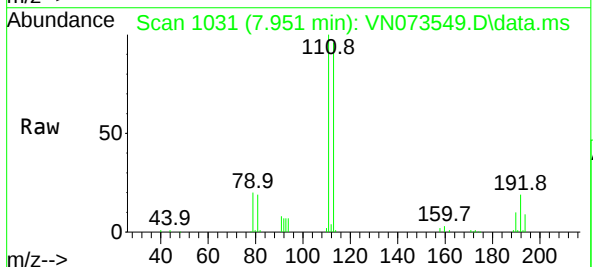
Tgt Ion:113 Resp: 166520

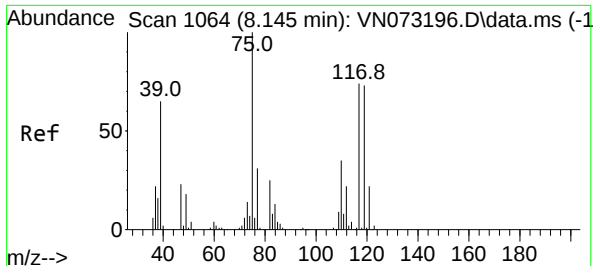
Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 18.9 17.0 25.6

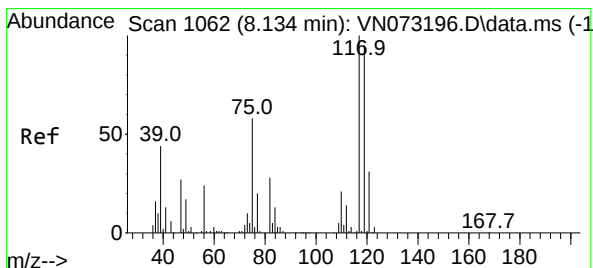
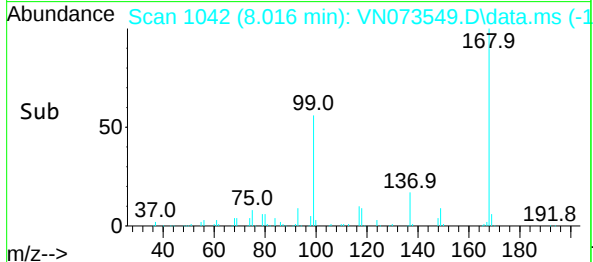
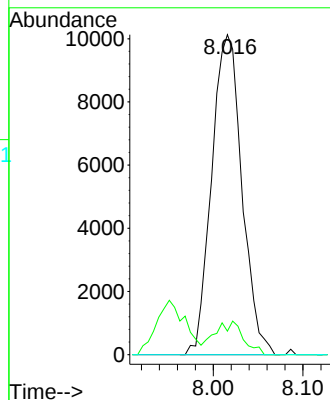
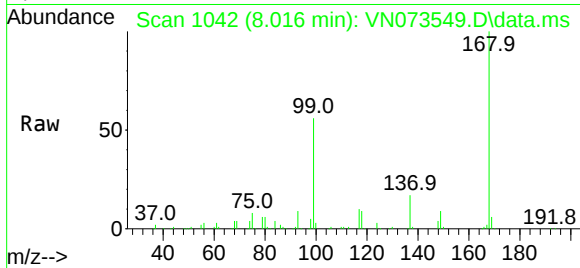




#36
1,1-Dichloropropene
Concen: 4.879 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.129 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

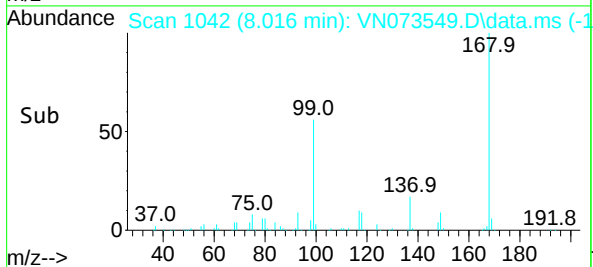
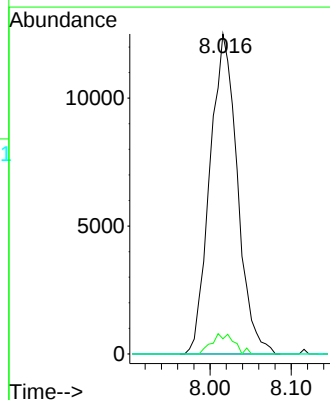
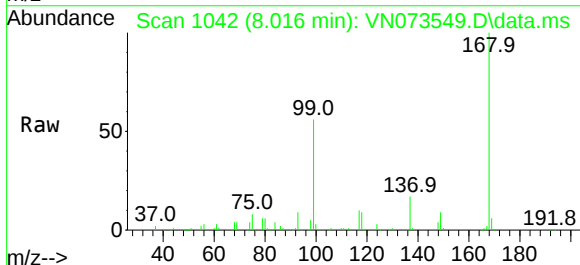
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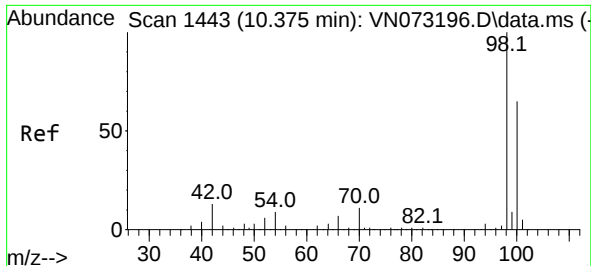
Tgt Ion: 75 Resp: 23715
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.862 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

Tgt Ion: 117 Resp: 29465
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 46.481 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.005 min

Lab File: VN073549.D

Acq: 21 Jul 2022 12:09

Instrument :

MSVOA_N

ClientSampleId :

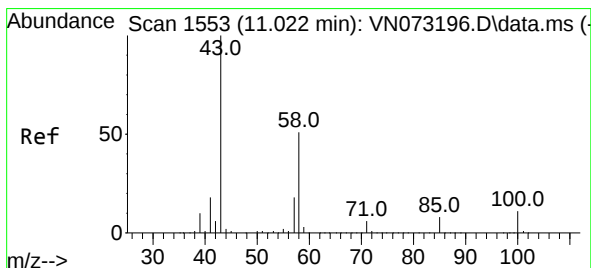
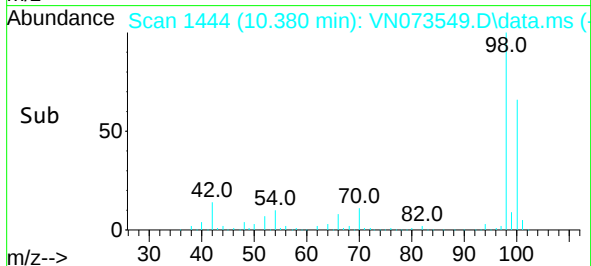
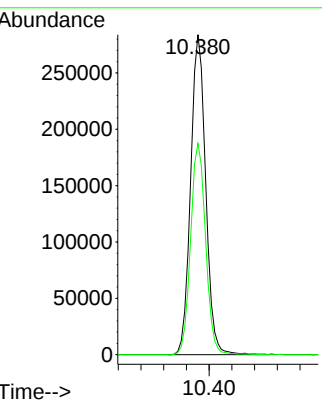
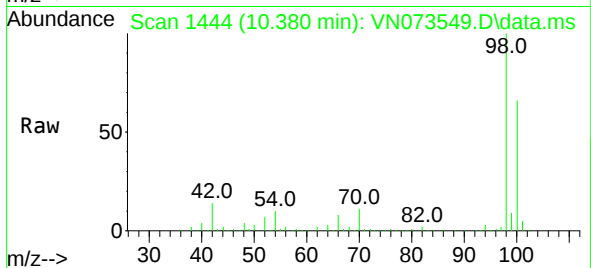
VN0721WBL01

Tgt Ion: 98 Resp: 521519

Ion Ratio Lower Upper

98 100

100 65.9 52.6 78.8



#59

2-Hexanone

Concen: 0.249 ug/l

RT: 11.027 min Scan# 1554

Delta R.T. 0.005 min

Lab File: VN073549.D

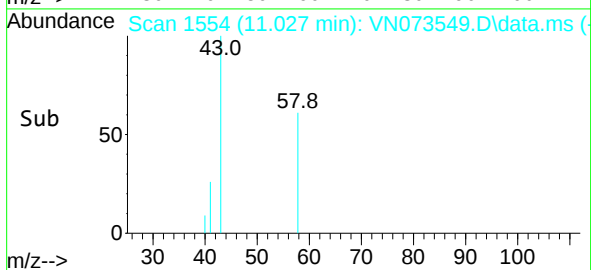
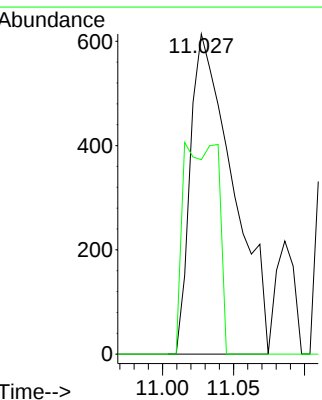
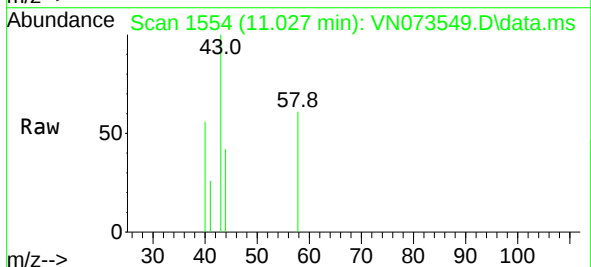
Acq: 21 Jul 2022 12:09

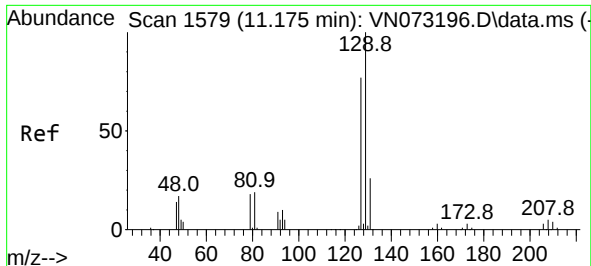
Tgt Ion: 43 Resp: 1273

Ion Ratio Lower Upper

43 100

58 54.4 29.7 89.1

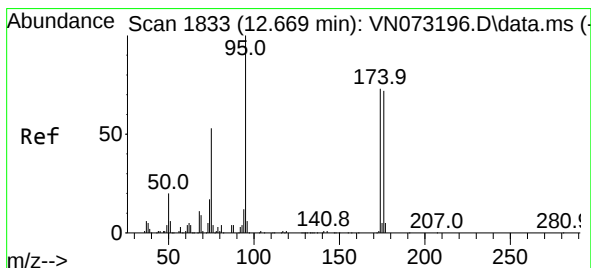
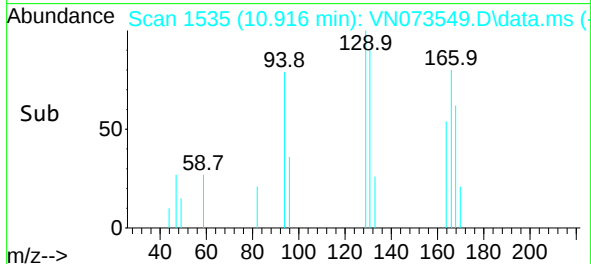
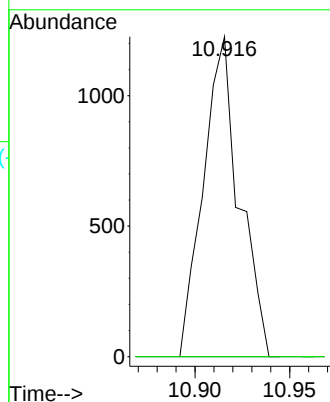
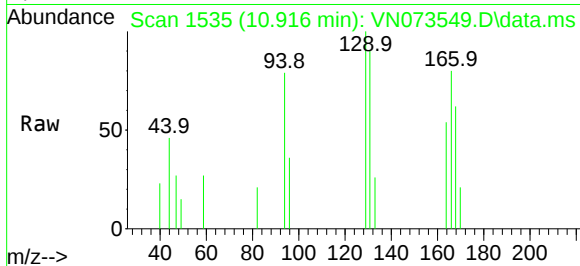




#60
Dibromochloromethane
Concen: 0.445 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

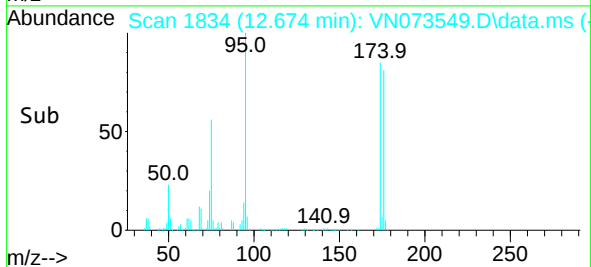
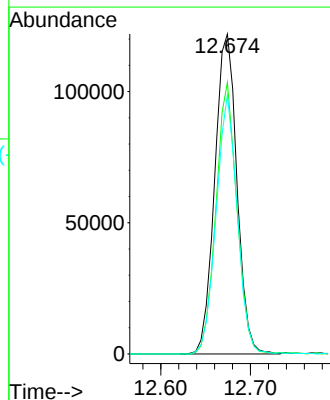
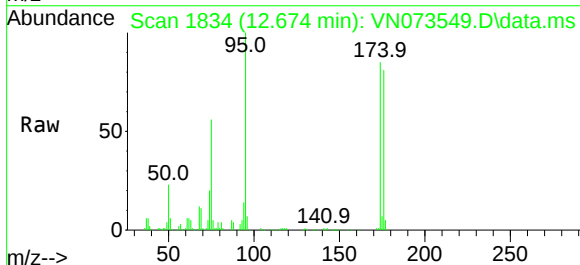
Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

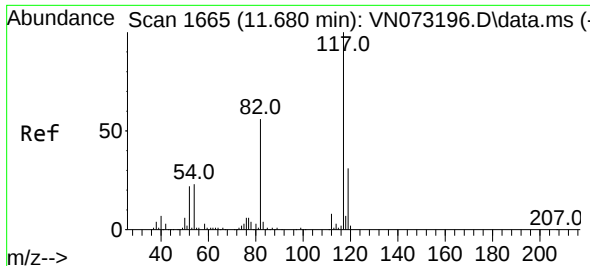
Tgt Ion:129 Resp: 1620
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.423 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

Tgt Ion: 95 Resp: 208794
Ion Ratio Lower Upper
95 100
174 80.2 0.0 167.6
176 77.3 0.0 163.4

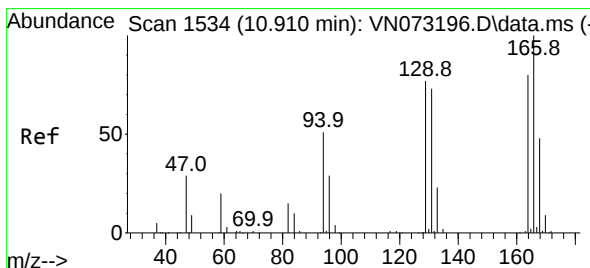
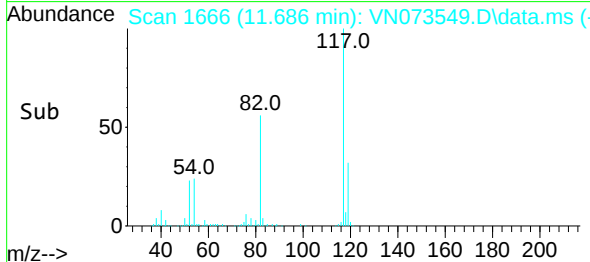
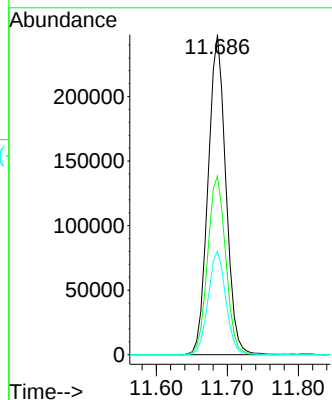
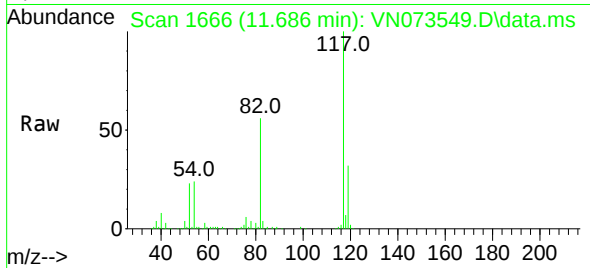




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

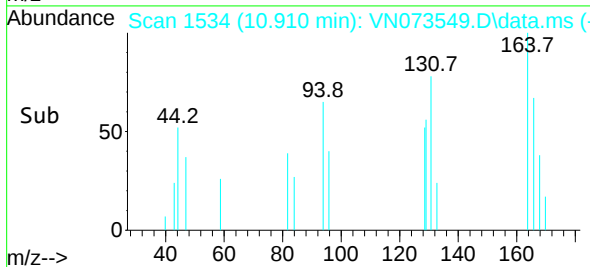
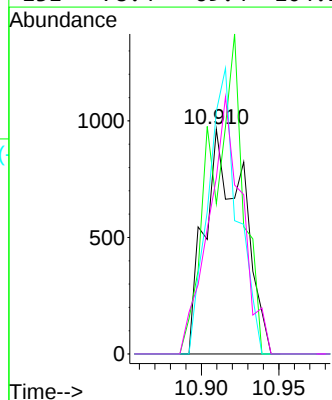
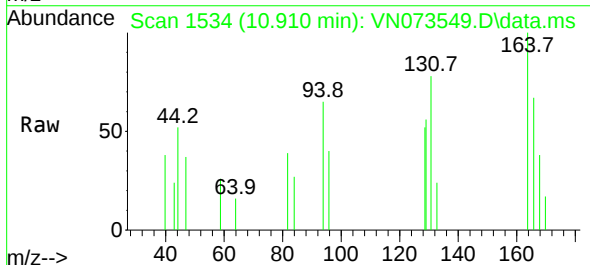
Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

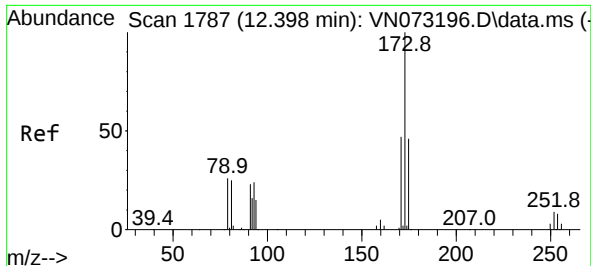
Tgt Ion:117 Resp: 430870
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 32.4 25.4 38.0



#64
Tetrachloroethene
Concen: 0.471 ug/l
RT: 10.910 min Scan# 1534
Delta R.T. -0.000 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

Tgt Ion:164 Resp: 1656
Ion Ratio Lower Upper
164 100
166 66.9 104.2 156.2#
129 108.0 73.9 110.9
131 78.4 69.4 104.2

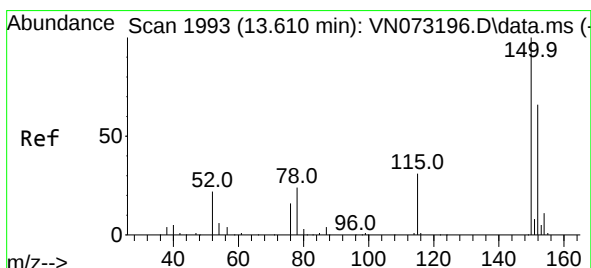
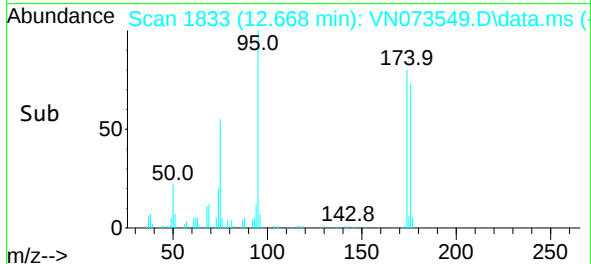
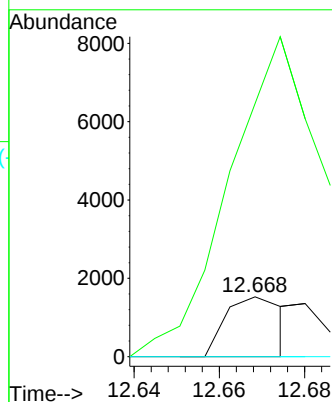
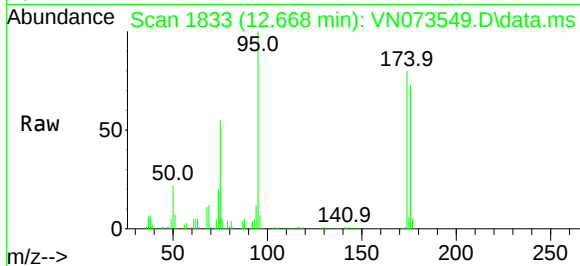




#71
Bromoform
Concen: 0.549 ug/l
RT: 12.668 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

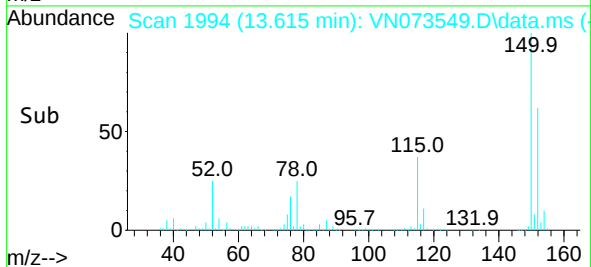
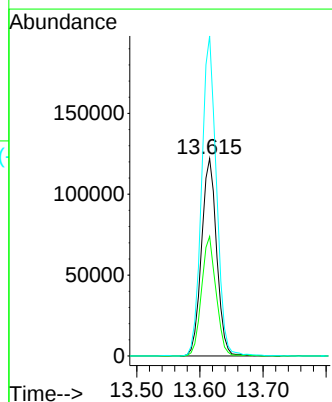
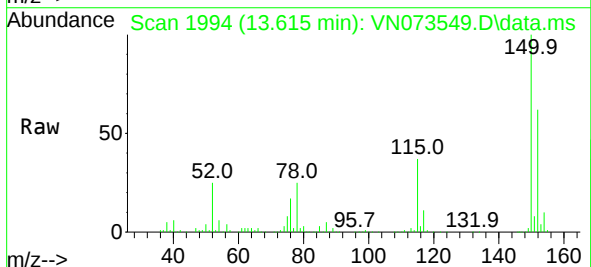
Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

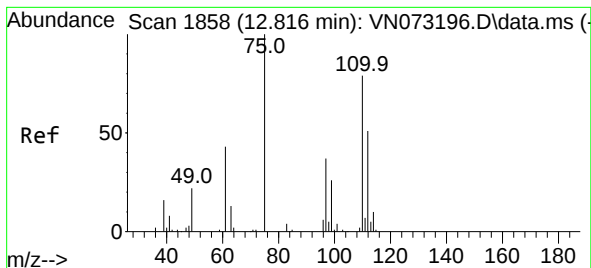
Tgt Ion:173 Resp: 1439
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN073549.D
Acq: 21 Jul 2022 12:09

Tgt Ion:152 Resp: 203788
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.7
150 157.6 0.0 356.2





#76

1,2,3-Trichloropropane

Concen: 21.252 ug/l

RT: 12.674 min Scan# 1834

Delta R.T. -0.142 min

Lab File: VN073549.D

Acq: 21 Jul 2022 12:09

Instrument :

MSVOA_N

ClientSampleId :

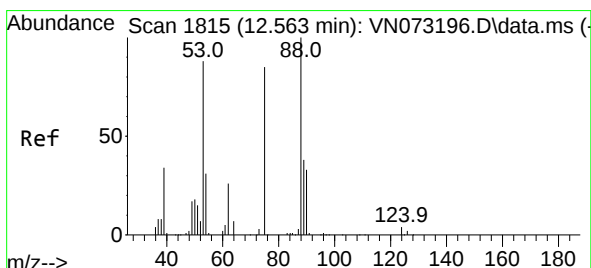
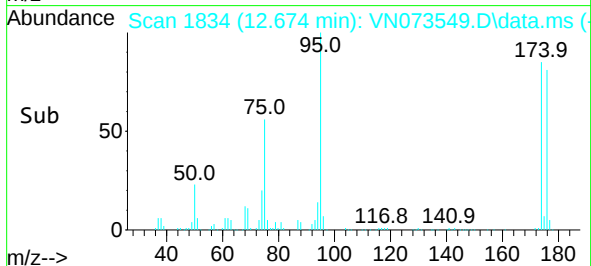
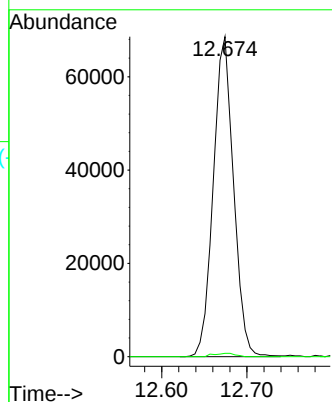
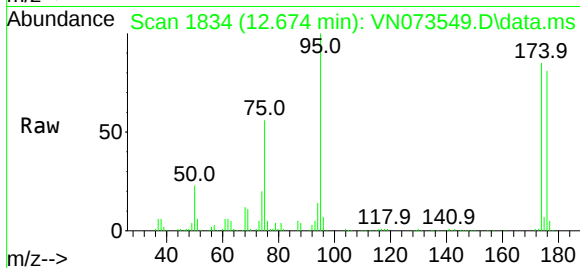
VN0721WBL01

Tgt Ion: 75 Resp: 113246

Ion Ratio Lower Upper

75 100

77 1.1 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.284 ug/l

RT: 12.674 min Scan# 1834

Delta R.T. 0.111 min

Lab File: VN073549.D

Acq: 21 Jul 2022 12:09

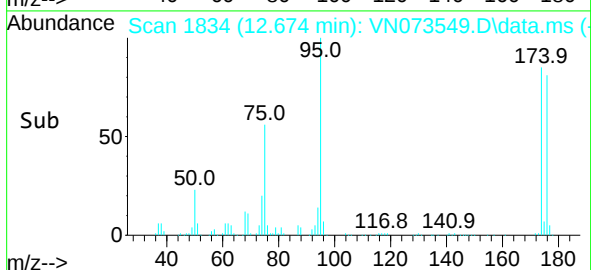
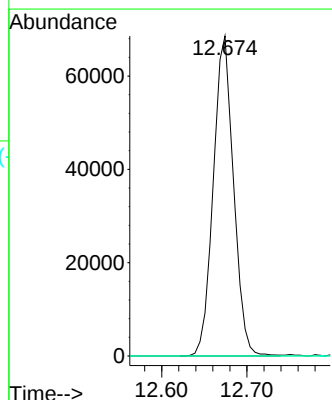
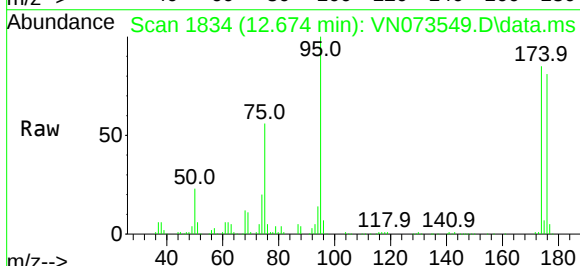
Tgt Ion: 75 Resp: 113246

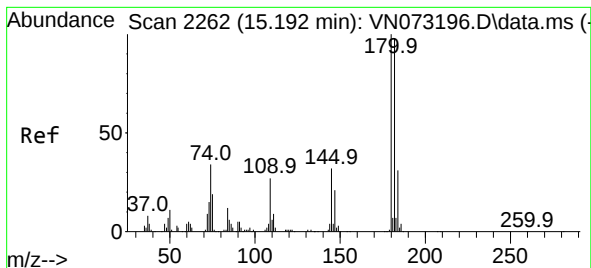
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 37.2 55.8#





#93

1,2,4-Trichlorobenzene

Concen: 0.244 ug/l

RT: 15.192 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN073549.D

Acq: 21 Jul 2022 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0721WBL01

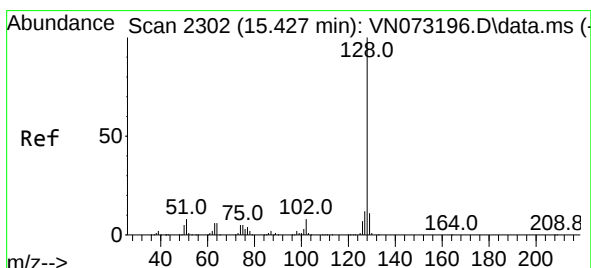
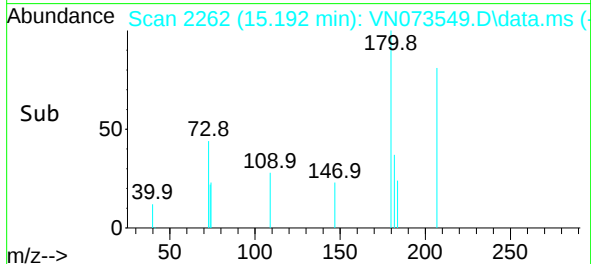
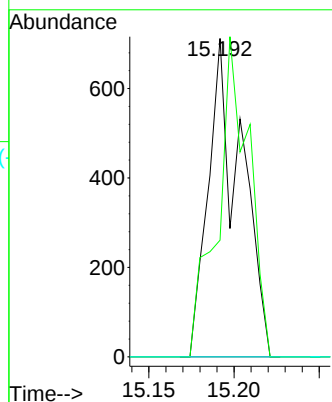
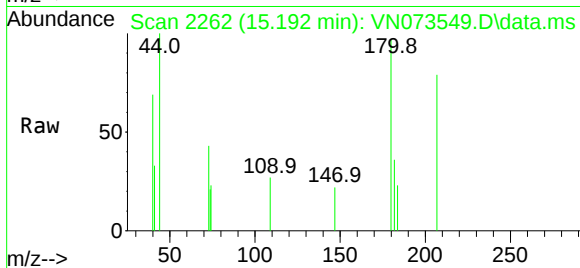
Tgt Ion:180 Resp: 949

Ion Ratio Lower Upper

180 100

182 96.5 47.5 142.5

145 0.0 14.5 43.5#



#95

Naphthalene

Concen: 0.513 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073549.D

Acq: 21 Jul 2022 12:09

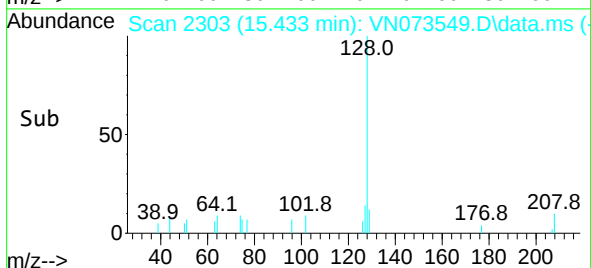
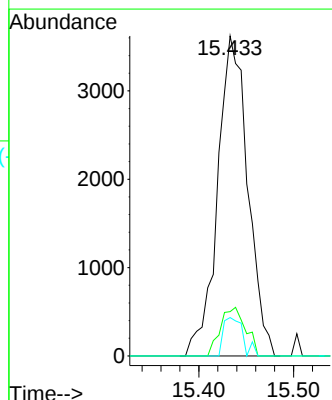
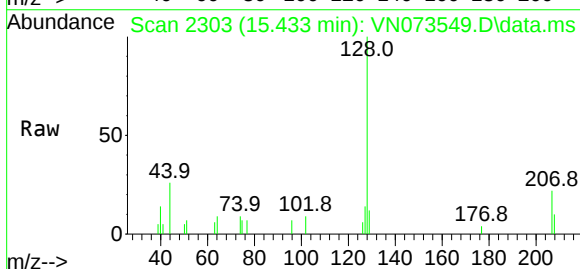
Tgt Ion:128 Resp: 8054

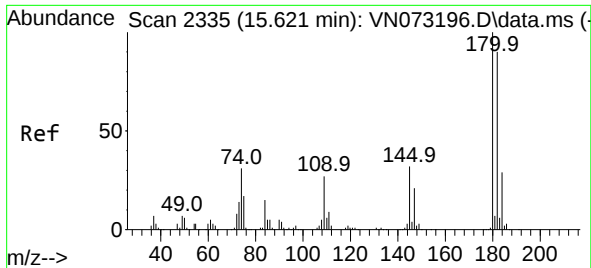
Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 7.7 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.288 ug/l

RT: 15.621 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN073549.D

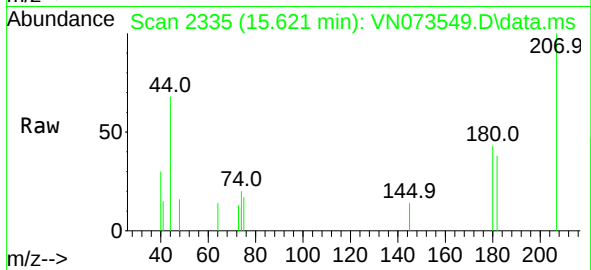
Acq: 21 Jul 2022 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0721WBL01



Tgt Ion:180 Resp: 1158

Ion Ratio Lower Upper

180 100

182 102.3 47.8 143.3

145 17.6 15.5 46.5

