

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062322\
 Data File : VN073038.D
 Acq On : 23 Jun 2022 10:41
 Operator : JC\MD
 Sample : VN0623WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBL01

Quant Time: Jun 24 01:16:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

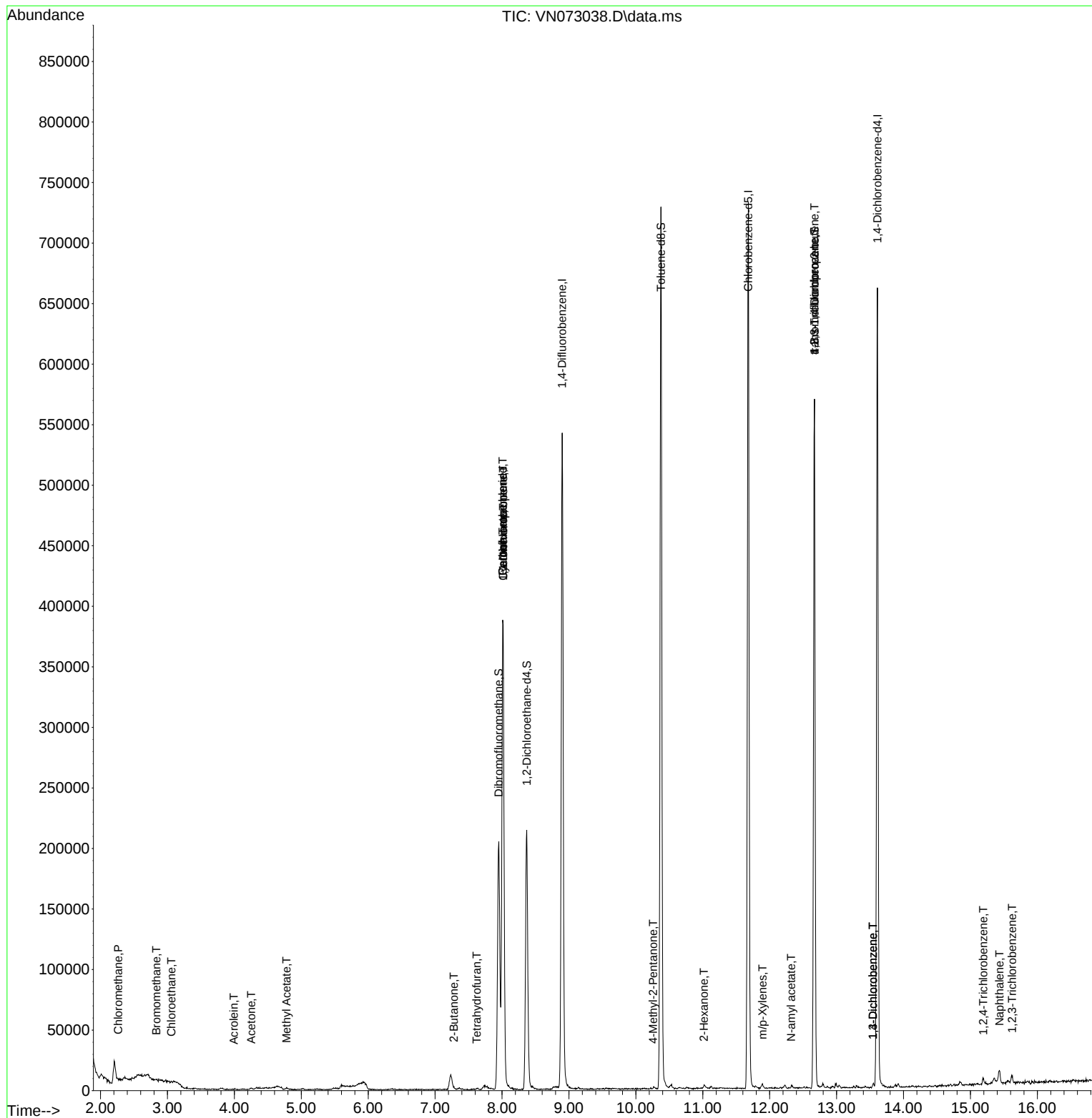
Internal Standards						
1) Pentafluorobenzene	8.010	168	298406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	481523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	420512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	177366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	182042	45.123	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.240%
35) Dibromofluoromethane	7.951	113	154674	51.969	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.940%
50) Toluene-d8	10.375	98	495815	44.770	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.540%
62) 4-Bromofluorobenzene	12.669	95	195404	49.068	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.140%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1390	1.019	ug/l	96
5) Bromomethane	2.834	94	246	0.245	ug/l	98
6) Chloroethane	3.057	64	555	0.348	ug/l #	54
13) Acrolein	3.993	56	91	0.222	ug/l #	1
16) Acetone	4.252	43	1639	0.739	ug/l	92
18) Methyl Acetate	4.781	43	2263	0.383	ug/l #	57
20) Methylene Chloride	5.022	84	406	Below Cal	#	85
25) 2-Butanone	7.281	43	1214	0.345	ug/l	98
26) 2,2-Dichloropropane	7.228	77	654	Below Cal	#	53
29) Tetrahydrofuran	7.622	42	594	0.256	ug/l #	53
31) Cyclohexane	8.016	56	6502	1.191	ug/l #	26
36) 1,1-Dichloropropene	8.016	75	24656	6.122	ug/l #	49
38) Carbon Tetrachloride	8.010	117	29146	6.880	ug/l #	18
51) 4-Methyl-2-Pentanone	10.257	43	1583	0.264	ug/l	89
59) 2-Hexanone	11.016	43	2443	0.526	ug/l	100
68) m/p-Xylenes	11.892	106	1147	0.202	ug/l	81
74) N-amyl acetate	12.322	43	1774	0.249	ug/l #	68
76) 1,2,3-Trichloropropane	12.669	75	101541	23.613	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	101541	63.770	ug/l #	10
87) 1,3-Dichlorobenzene	13.545	146	1369	0.233	ug/l	91
88) 1,4-Dichlorobenzene	13.545	146	1369	0.230	ug/l	90
93) 1,2,4-Trichlorobenzene	15.192	180	1836	0.542	ug/l	93
95) Naphthalene	15.433	128	12023	0.877	ug/l	98
96) 1,2,3-Trichlorobenzene	15.621	180	2265	0.626	ug/l	86

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

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

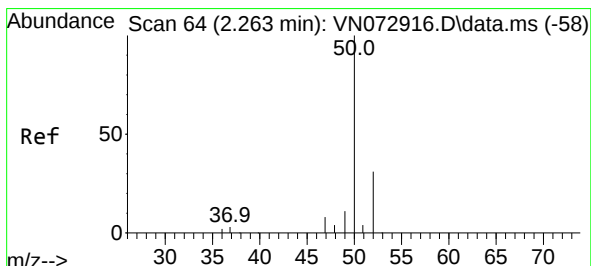
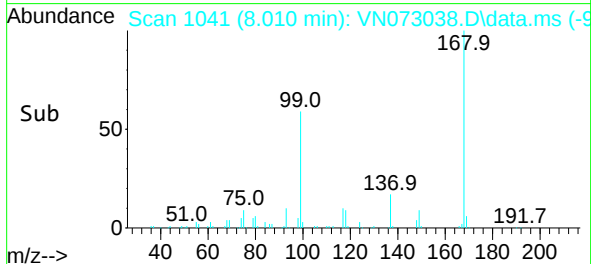
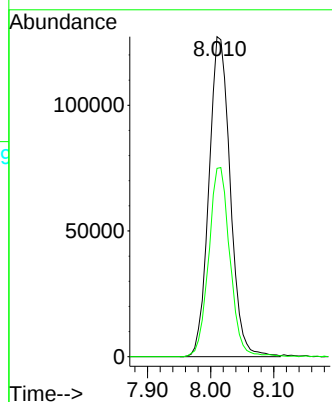
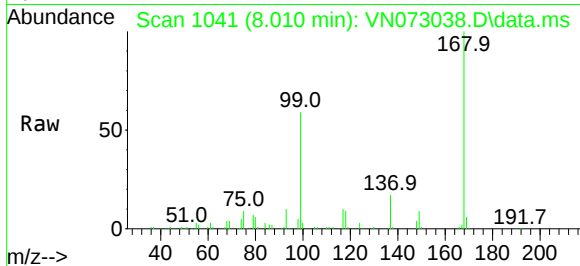




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

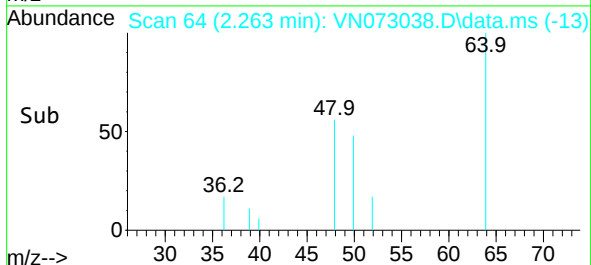
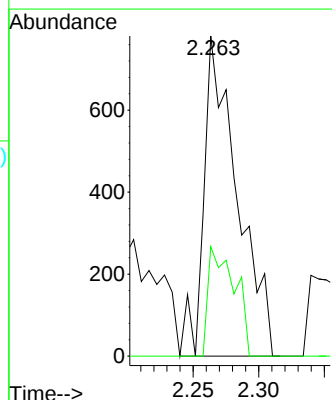
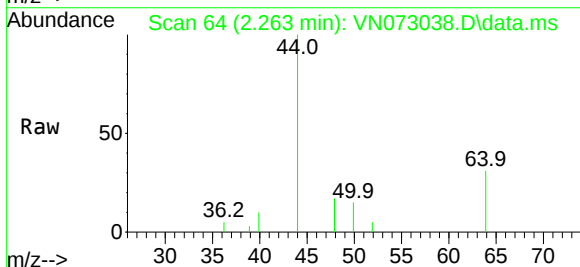
Instrument :
MSVOA_N
ClientSampleId :
VN0623WBL01

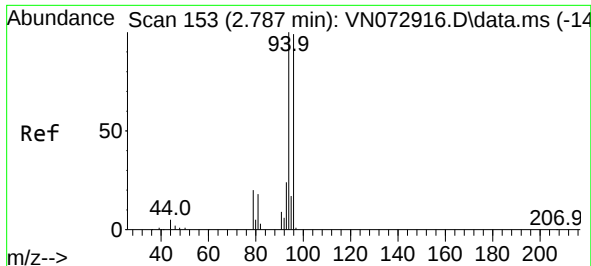
Tgt Ion:168 Resp: 298406
Ion Ratio Lower Upper
168 100
99 58.9 42.3 63.5



#3
Chloromethane
Concen: 1.019 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

Tgt Ion: 50 Resp: 1390
Ion Ratio Lower Upper
50 100
52 34.2 25.7 38.5

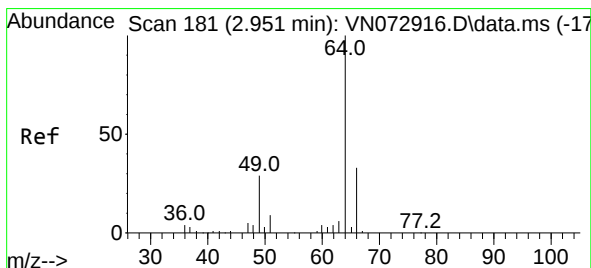
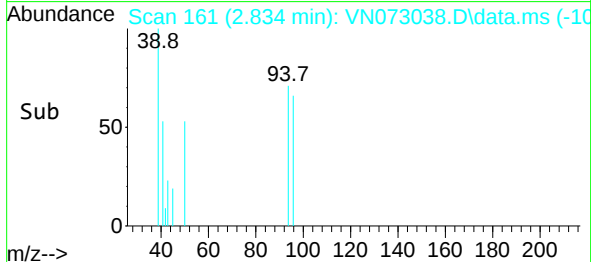
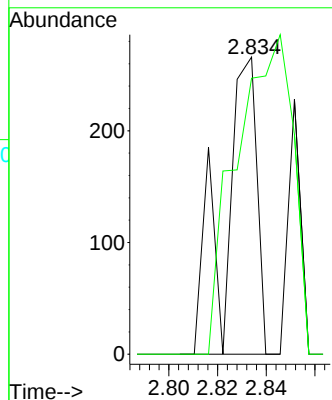
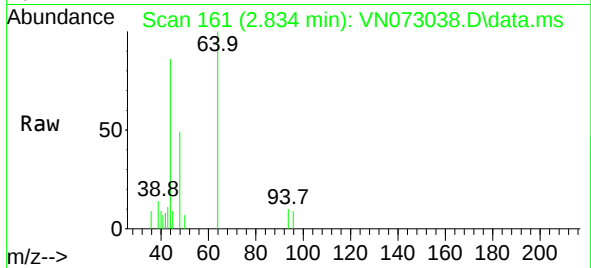




#5
Bromomethane
Concen: 0.245 ug/l
RT: 2.834 min Scan# 1
Delta R.T. 0.047 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

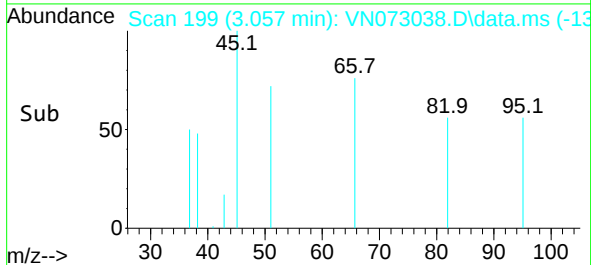
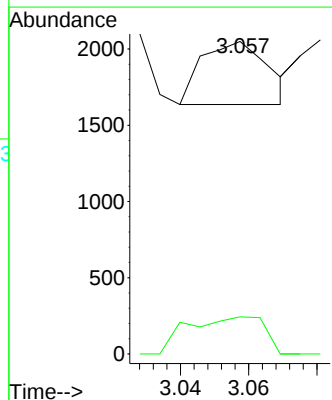
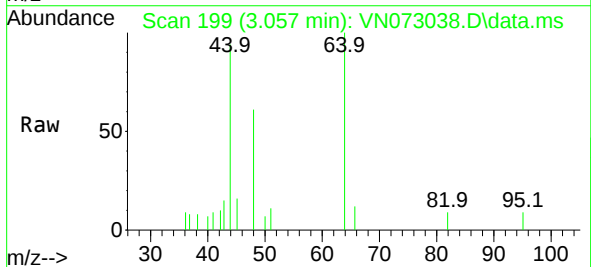
Instrument :
MSVOA_N
ClientSampleId :
VN0623WBL01

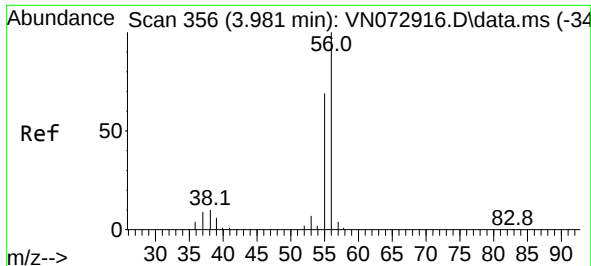
Tgt Ion: 94 Resp: 246
Ion Ratio Lower Upper
94 100
96 92.9 76.0 114.0



#6
Chloroethane
Concen: 0.348 ug/l
RT: 3.057 min Scan# 199
Delta R.T. 0.106 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

Tgt Ion: 64 Resp: 555
Ion Ratio Lower Upper
64 100
66 58.9 26.2 39.4#

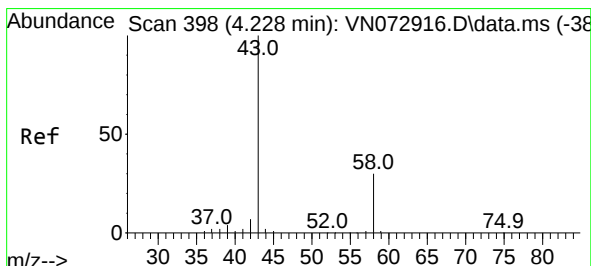
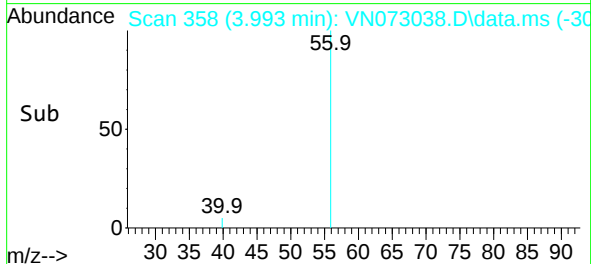
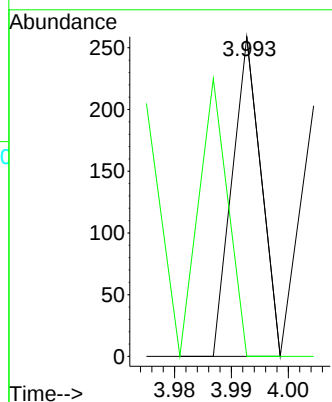
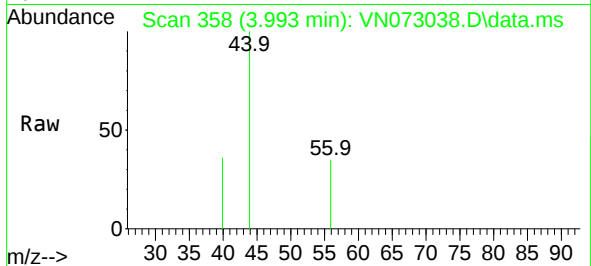




#13
Acrolein
Concen: 0.222 ug/l
RT: 3.993 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

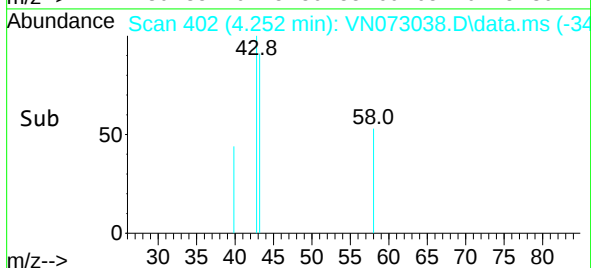
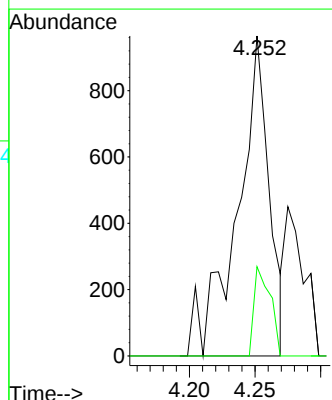
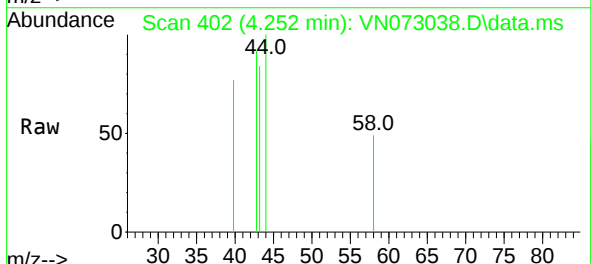
Instrument :
MSVOA_N
ClientSampleId :
VN0623WBL01

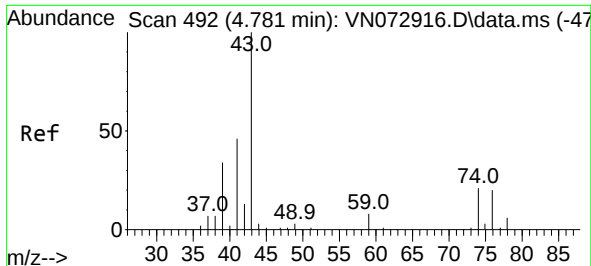
Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 167.0 54.8 82.2#



#16
Acetone
Concen: 0.739 ug/l
RT: 4.252 min Scan# 402
Delta R.T. 0.024 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

Tgt Ion: 43 Resp: 1639
Ion Ratio Lower Upper
43 100
58 27.9 26.0 39.0





#18

Methyl Acetate

Concen: 0.383 ug/l

RT: 4.781 min Scan# 492

Delta R.T. 0.000 min

Lab File: VN073038.D

Acq: 23 Jun 2022 10:41

Instrument :

MSVOA_N

ClientSampleId :

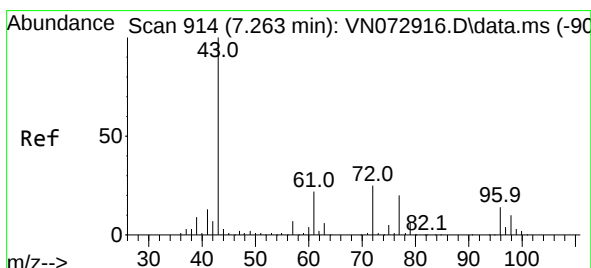
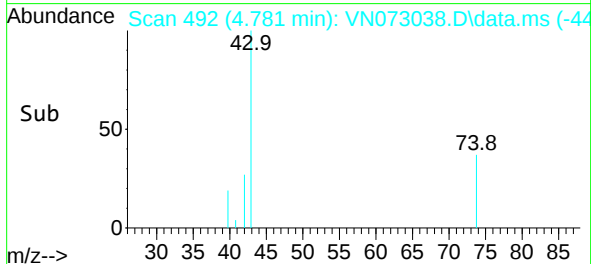
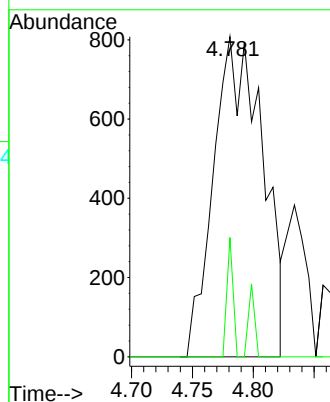
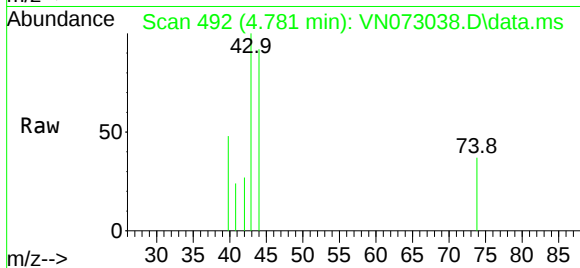
VN0623WBL01

Tgt Ion: 43 Resp: 2263

Ion Ratio Lower Upper

43 100

74 4.7 21.6 32.4#



#25

2-Butanone

Concen: 0.345 ug/l

RT: 7.281 min Scan# 917

Delta R.T. 0.018 min

Lab File: VN073038.D

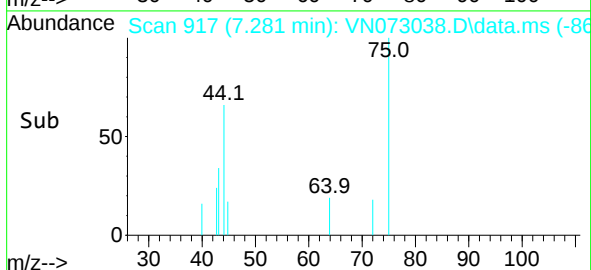
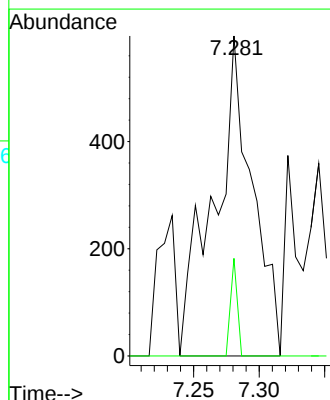
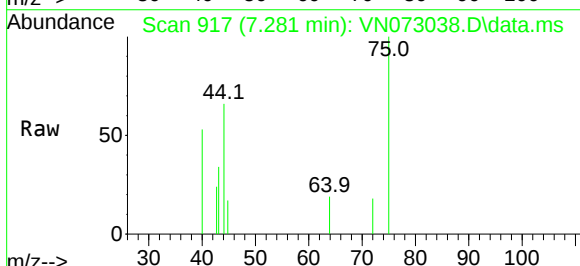
Acq: 23 Jun 2022 10:41

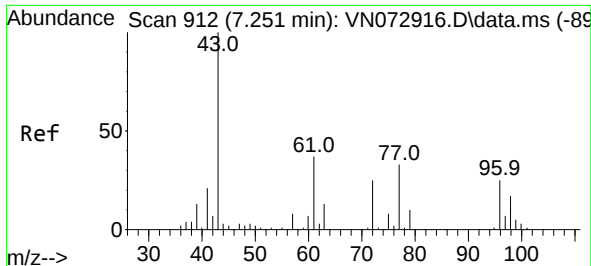
Tgt Ion: 43 Resp: 1214

Ion Ratio Lower Upper

43 100

72 30.5 23.7 35.5

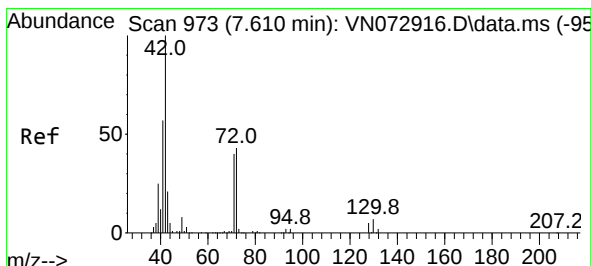
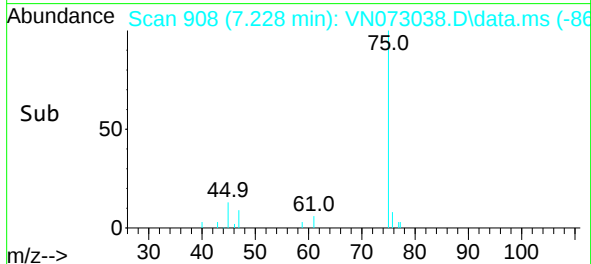
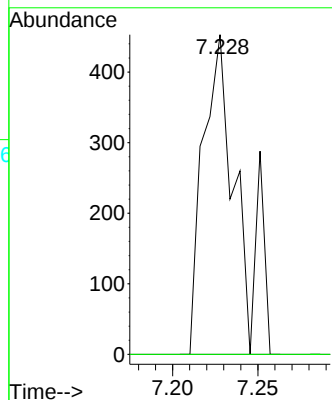
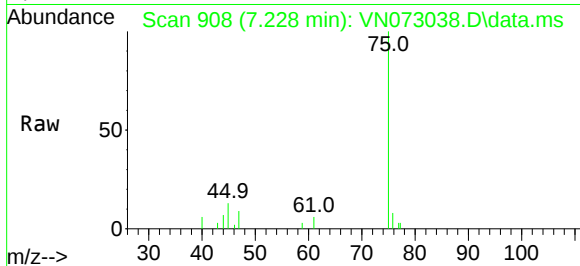




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.228 min Scan# 90
Delta R.T. -0.023 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

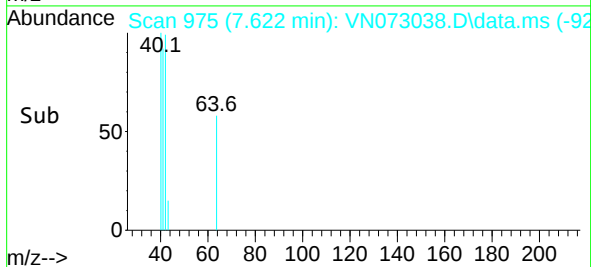
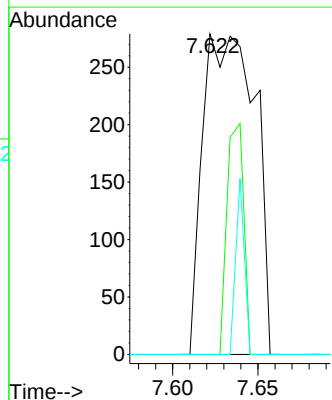
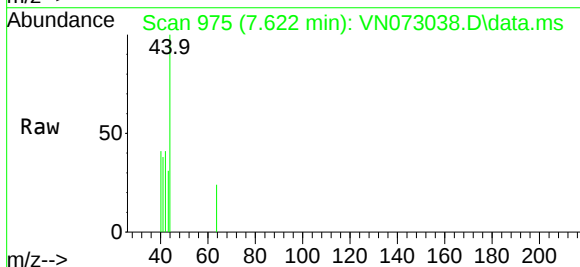
Instrument :
MSVOA_N
ClientSampleId :
VN0623WBL01

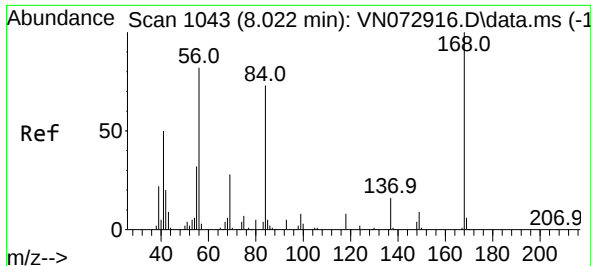
Tgt Ion: 77 Resp: 654
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.256 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.012 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

Tgt Ion: 42 Resp: 594
Ion Ratio Lower Upper
42 100
72 23.2 39.7 59.5#
71 9.1 36.6 55.0#

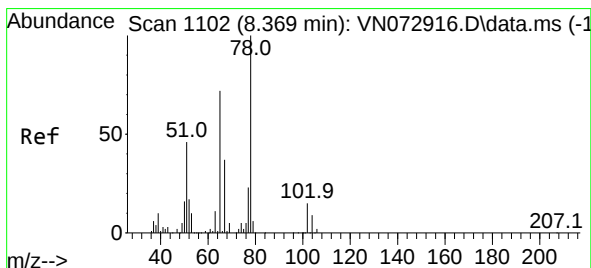
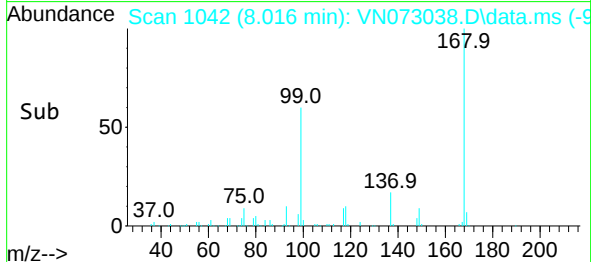
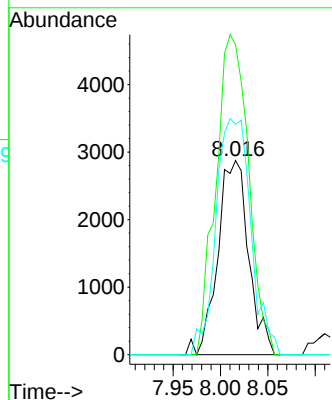
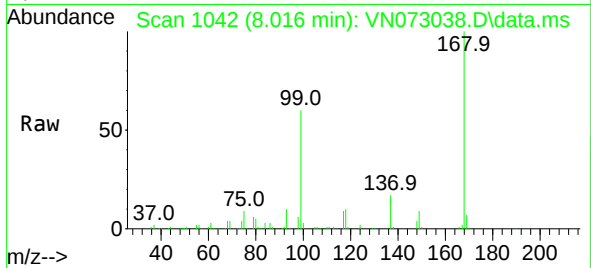




#31
Cyclohexane
Concen: 1.191 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

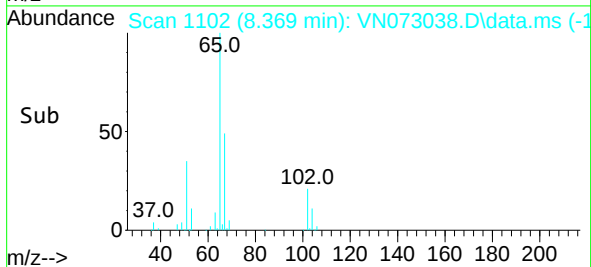
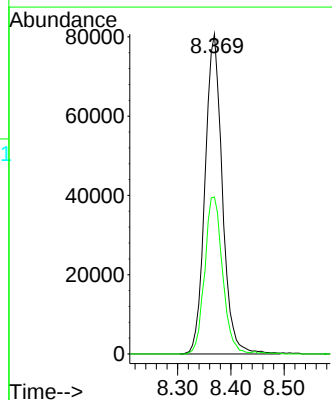
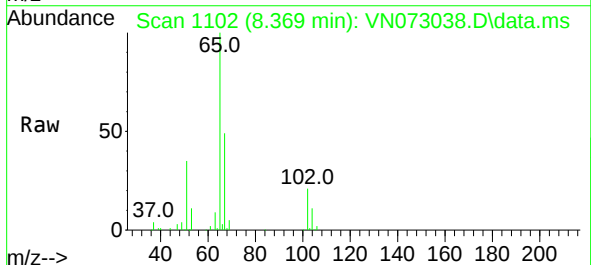
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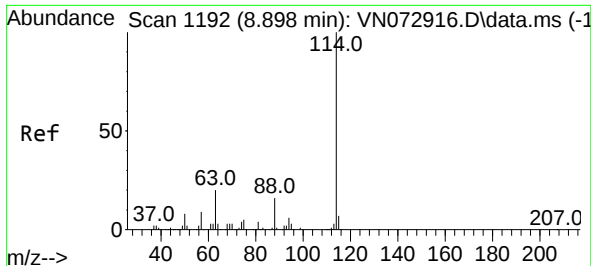
Tgt Ion: 56 Resp: 6502
Ion Ratio Lower Upper
56 100
69 159.7 27.8 41.8#
84 118.6 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 45.123 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

Tgt Ion: 65 Resp: 182042
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN073038.D

Acq: 23 Jun 2022 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0623WBL01

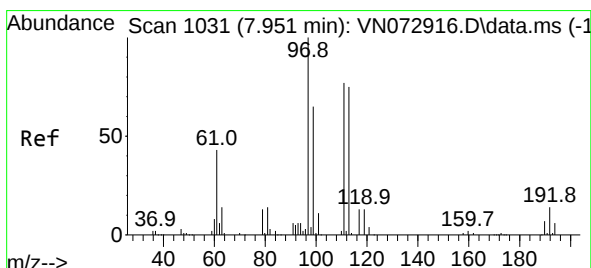
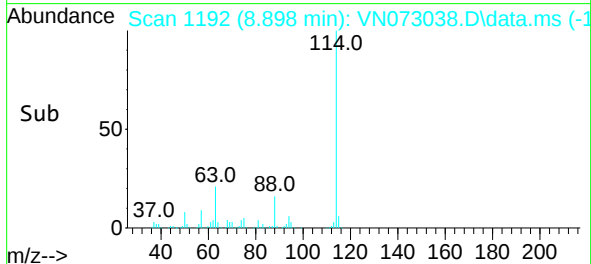
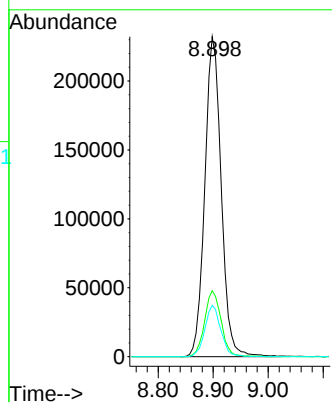
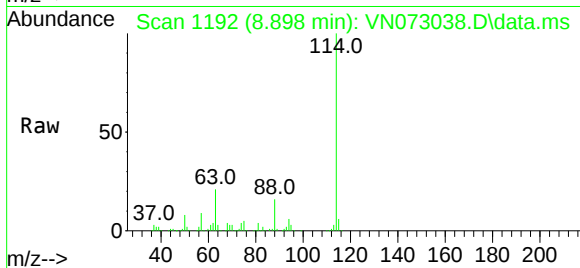
Tgt Ion:114 Resp: 481523

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.969 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073038.D

Acq: 23 Jun 2022 10:41

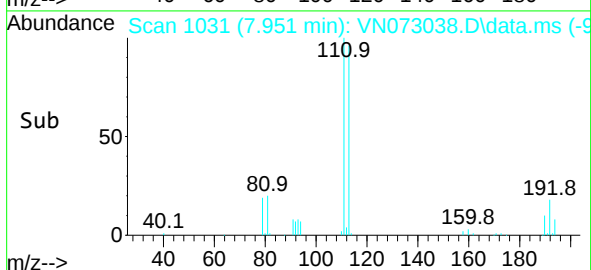
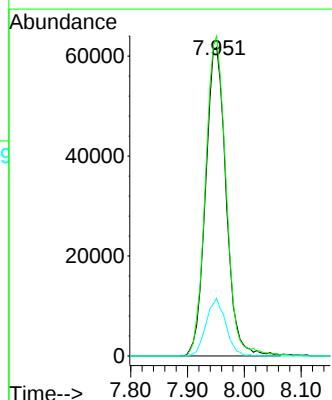
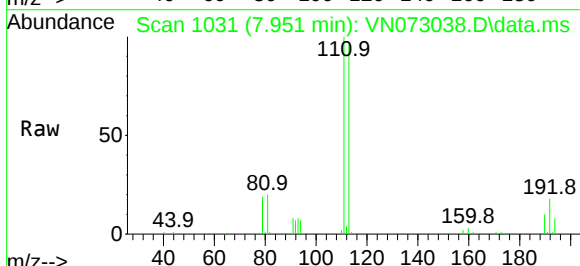
Tgt Ion:113 Resp: 154674

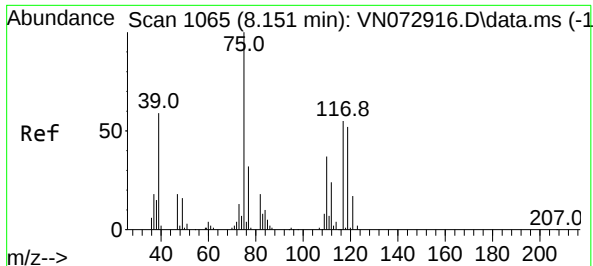
Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

192 17.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 6.122 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073038.D

Acq: 23 Jun 2022 10:41

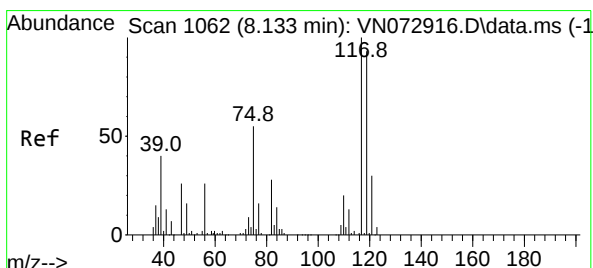
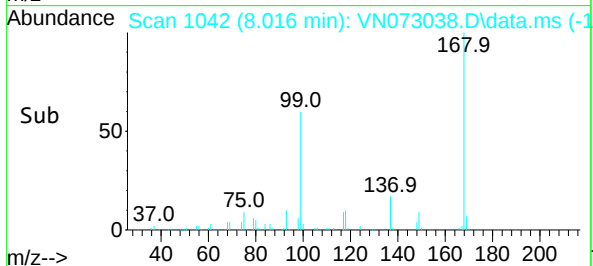
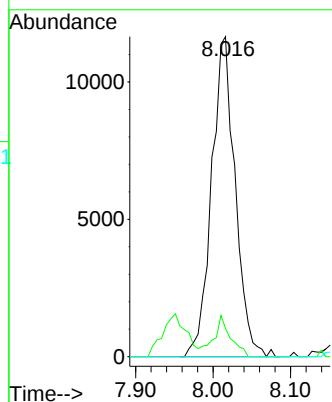
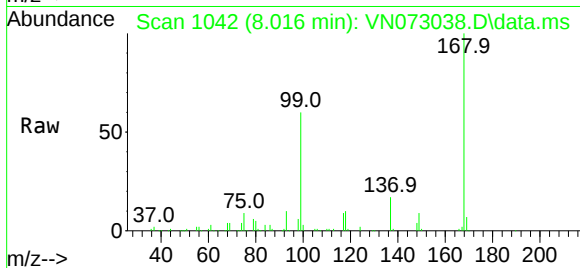
Instrument :

MSVOA_N

ClientSampleId :

VN0623WBL01

Tgt Ion:	75	Resp:	24656
Ion Ratio	Lower	Upper	
75	100		
110	9.3	18.3	54.8#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 6.880 ug/l

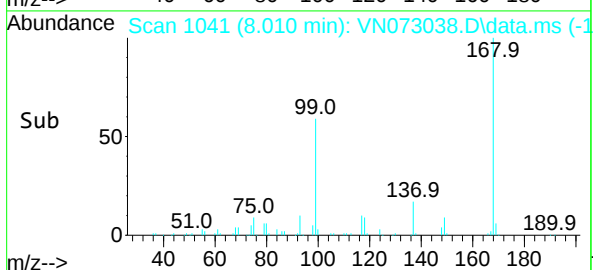
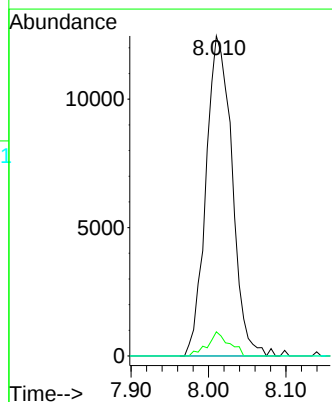
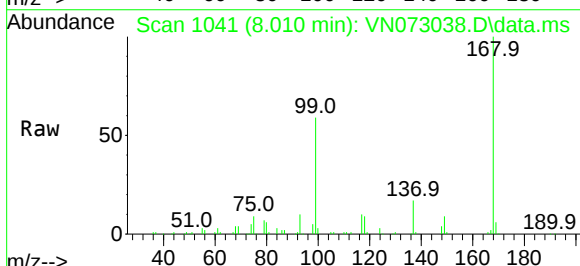
RT: 8.010 min Scan# 1041

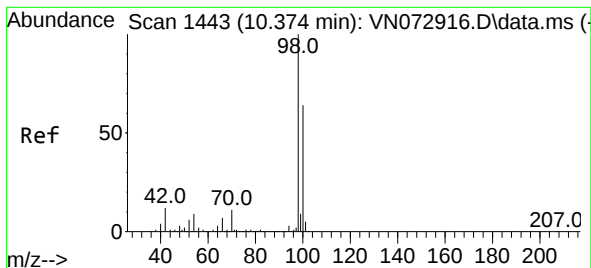
Delta R.T. -0.123 min

Lab File: VN073038.D

Acq: 23 Jun 2022 10:41

Tgt Ion:	117	Resp:	29146
Ion Ratio	Lower	Upper	
117	100		
119	7.5	75.8	113.8#
121	0.0	24.6	37.0#

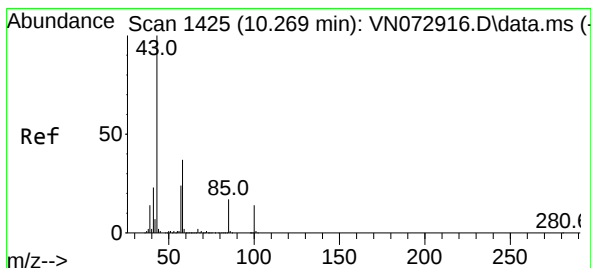
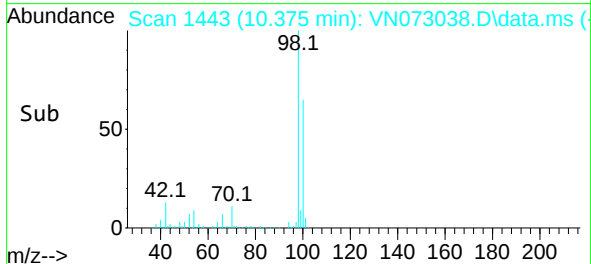
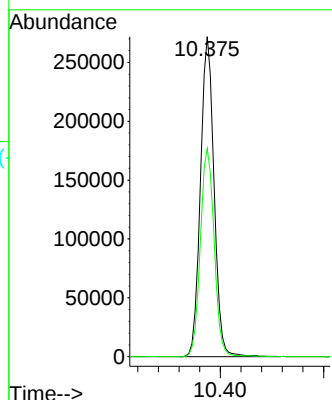
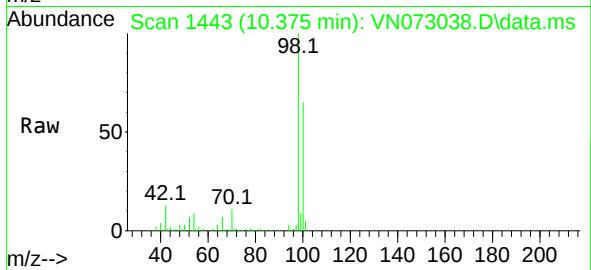




#50
Toluene-d8
Concen: 44.770 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

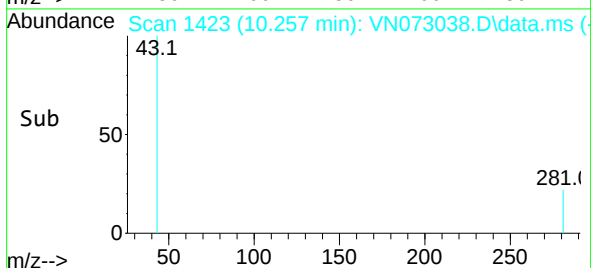
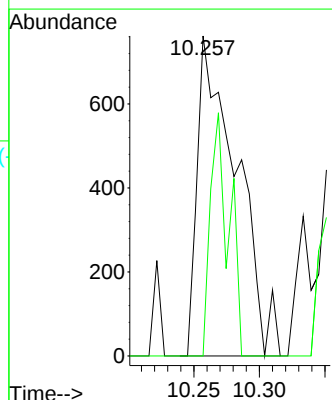
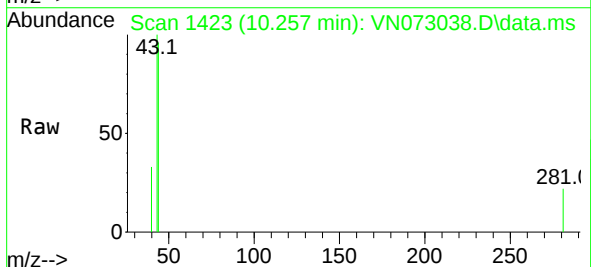
Instrument :
MSVOA_N
ClientSampleId :
VN0623WBL01

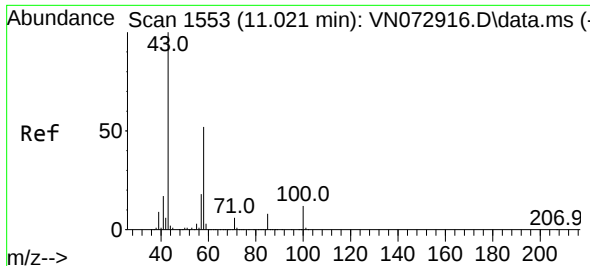
Tgt Ion: 98 Resp: 495815
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.264 ug/l
RT: 10.257 min Scan# 1423
Delta R.T. -0.012 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

Tgt Ion: 43 Resp: 1583
Ion Ratio Lower Upper
43 100
58 35.9 34.1 51.1

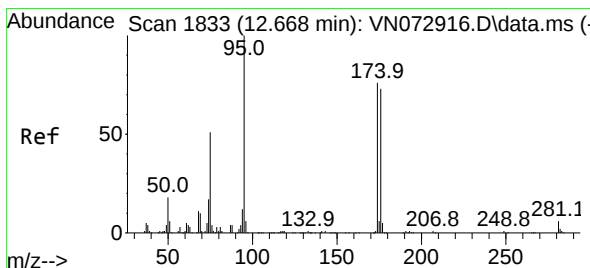
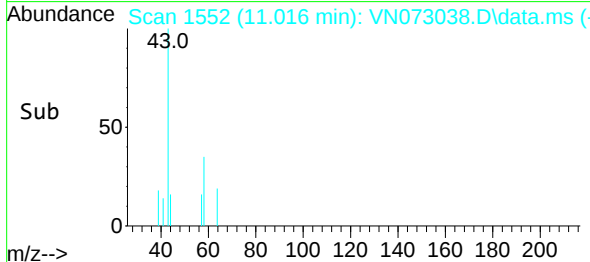
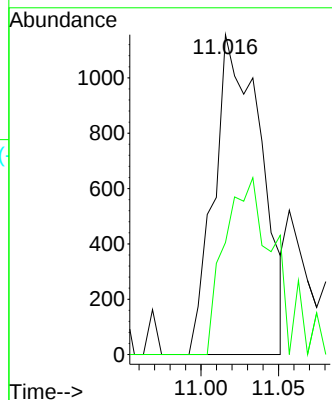
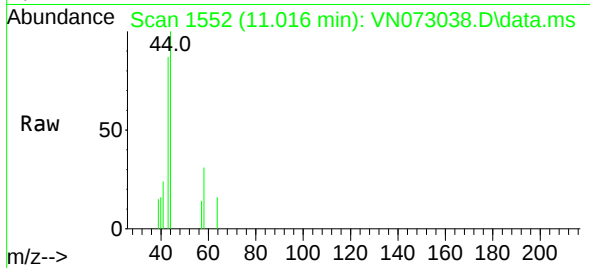




#59
2-Hexanone
Concen: 0.526 ug/l
RT: 11.016 min Scan# 11552
Delta R.T. -0.006 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

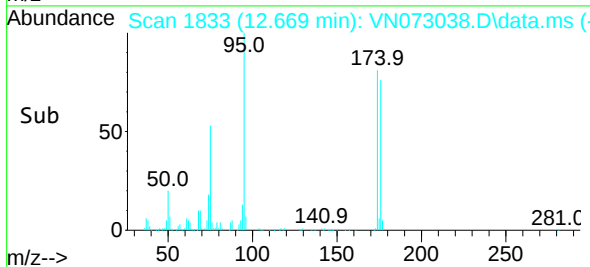
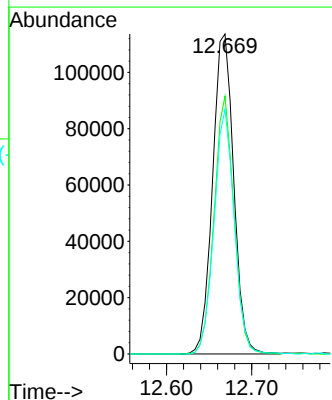
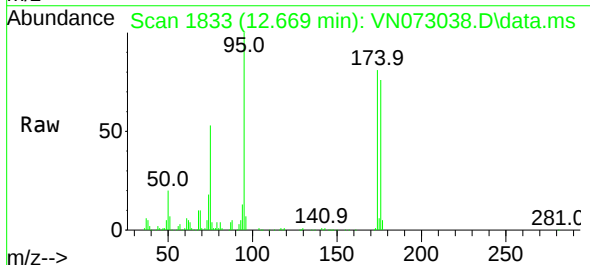
Instrument :
MSVOA_N
ClientSampleId :
VN0623WBL01

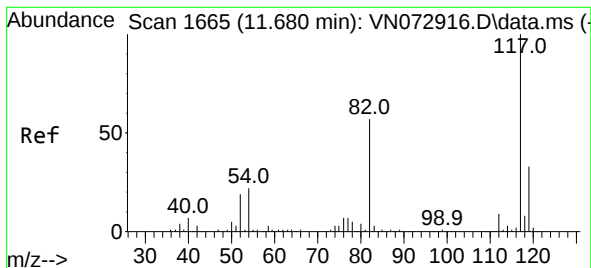
Tgt Ion: 43 Resp: 2443
Ion Ratio Lower Upper
43 100
58 59.4 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 49.068 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

Tgt Ion: 95 Resp: 195404
Ion Ratio Lower Upper
95 100
174 76.1 0.0 167.6
176 73.2 0.0 163.4

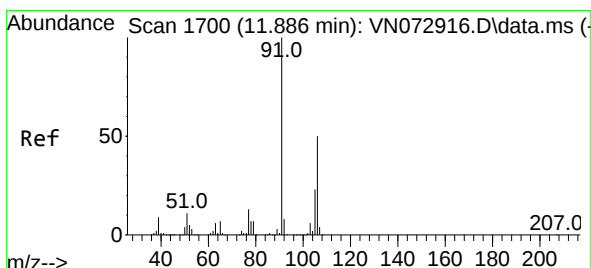
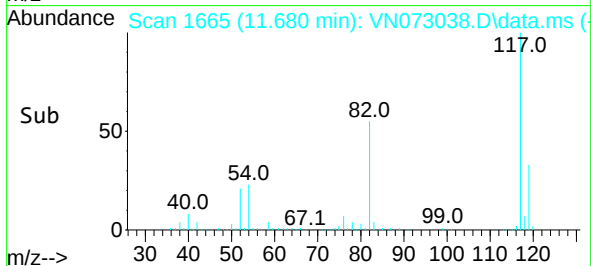
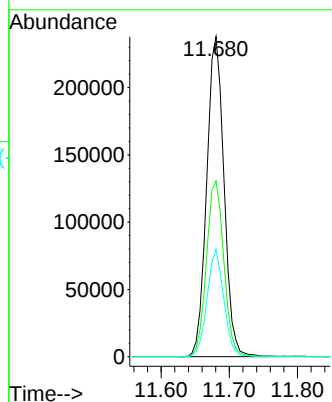
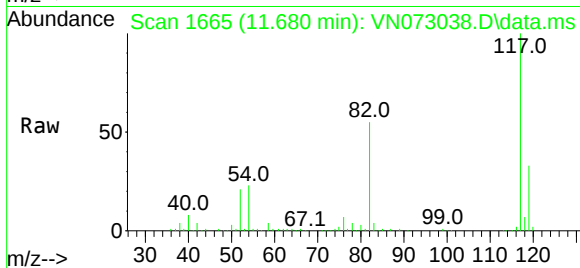




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

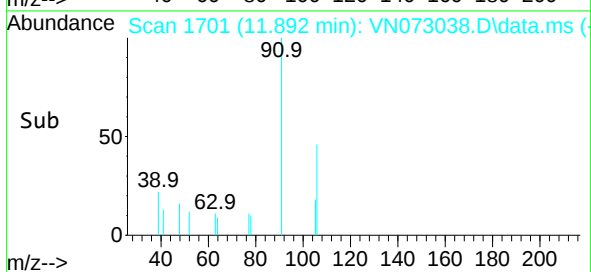
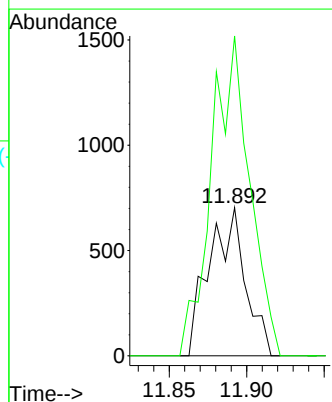
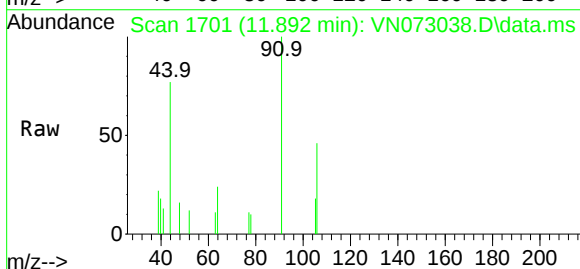
Instrument :
MSVOA_N
ClientSampleId :
VN0623WBL01

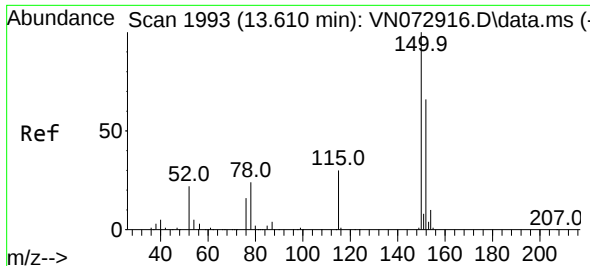
Tgt Ion:117 Resp: 420512
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 33.5 25.4 38.0



#68
m/p-Xylenes
Concen: 0.202 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

Tgt Ion:106 Resp: 1147
Ion Ratio Lower Upper
106 100
91 227.3 158.9 238.3

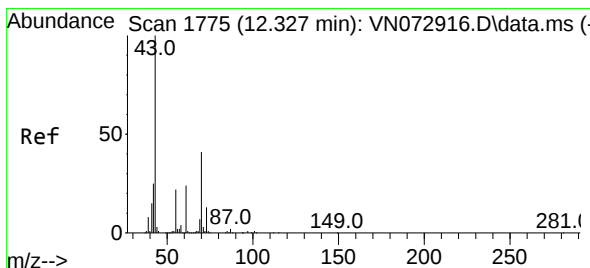
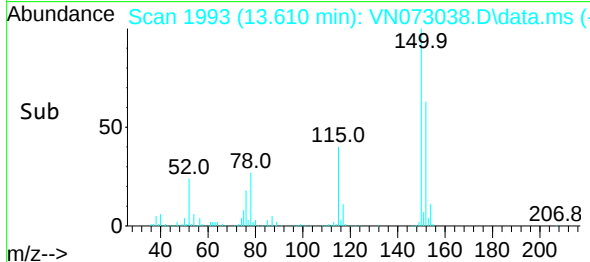
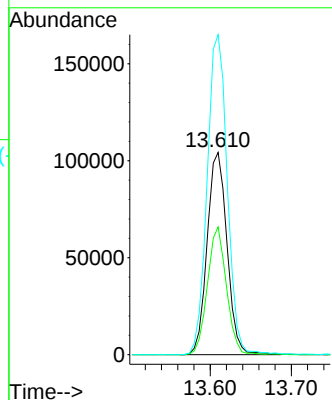
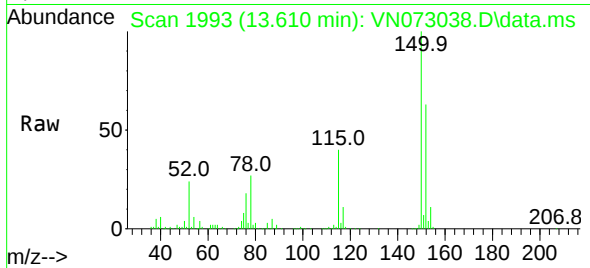




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

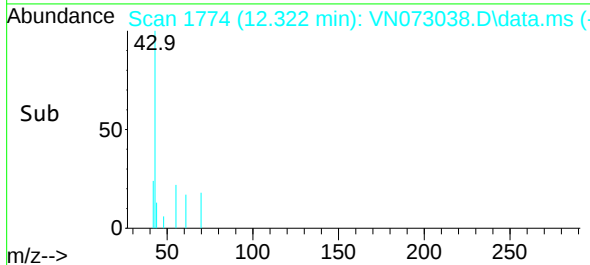
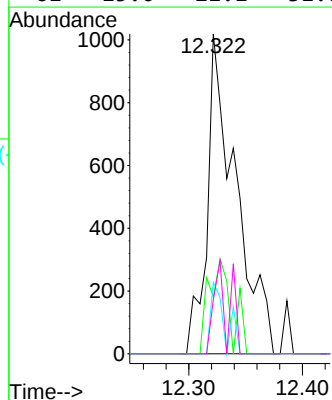
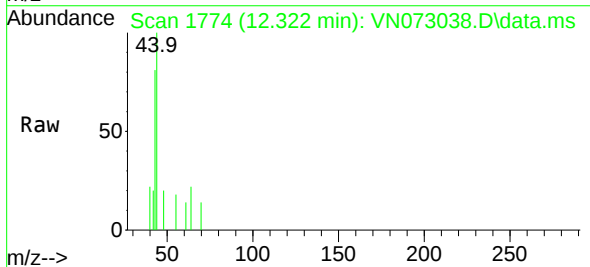
Instrument :
MSVOA_N
ClientSampleId :
VN0623WBL01

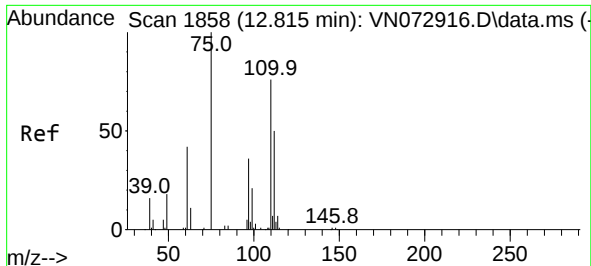
Tgt Ion:152 Resp: 177366
Ion Ratio Lower Upper
152 100
115 60.3 28.9 86.7
150 160.2 0.0 356.2



#74
N-ethyl acetate
Concen: 0.249 ug/l
RT: 12.322 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

Tgt Ion: 43 Resp: 1774
Ion Ratio Lower Upper
43 100
70 23.2 39.0 58.4#
55 11.1 21.1 31.7#
61 15.0 21.1 31.7#

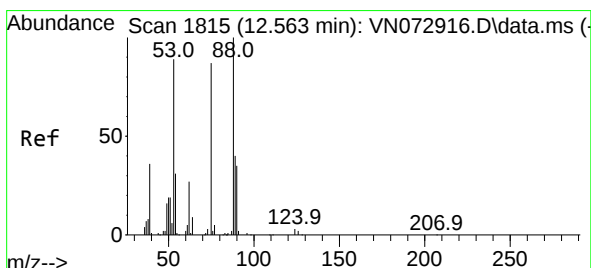
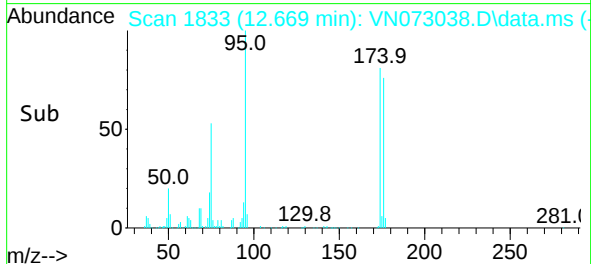
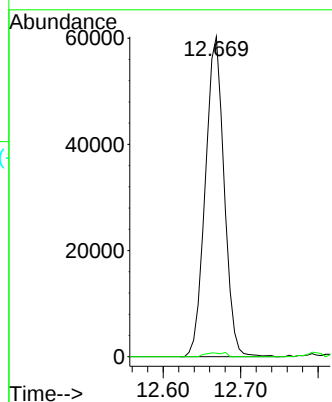
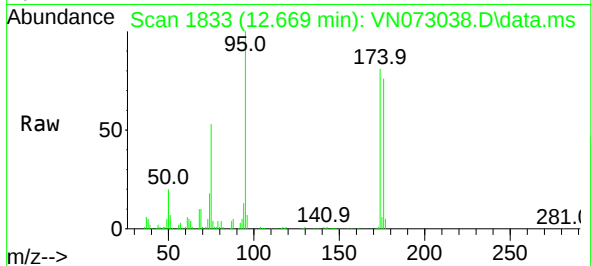




#76
1,2,3-Trichloropropane
Concen: 23.613 ug/l
RT: 12.669 min Scan# 1858
Delta R.T. -0.147 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

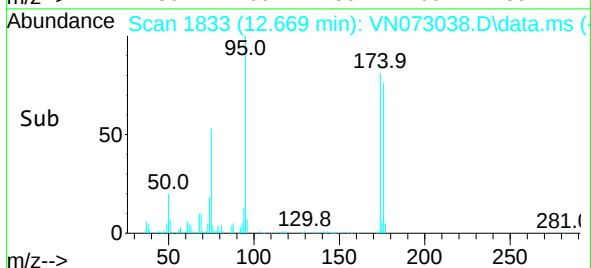
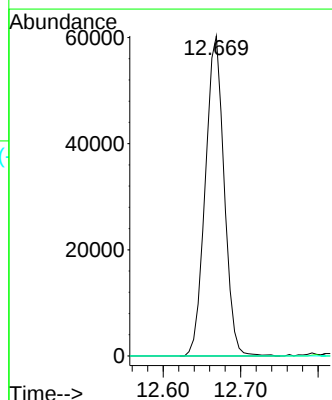
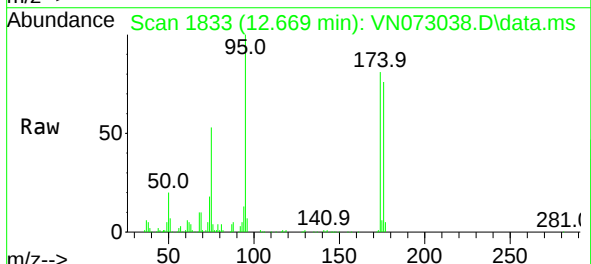
Instrument :
MSVOA_N
ClientSampleId :
VN0623WBL01

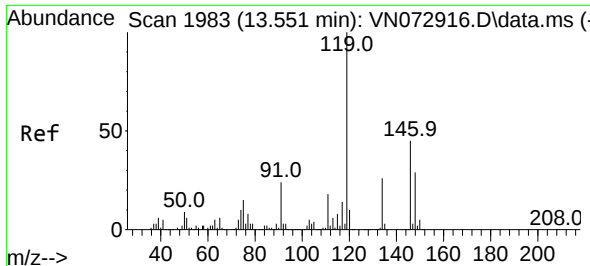
Tgt Ion: 75 Resp: 101541
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.770 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

Tgt Ion: 75 Resp: 101541
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

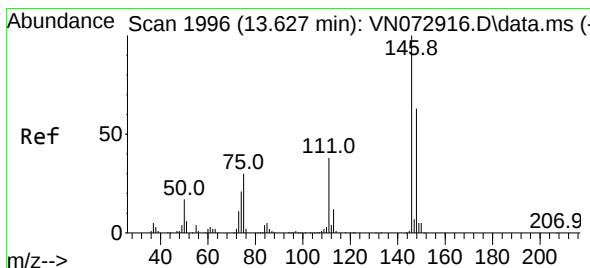
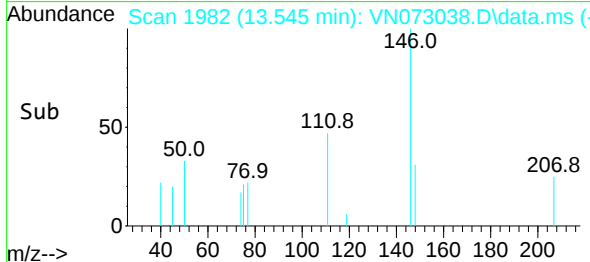
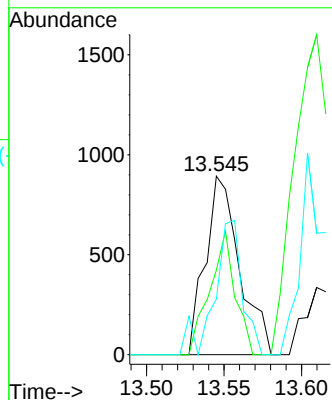
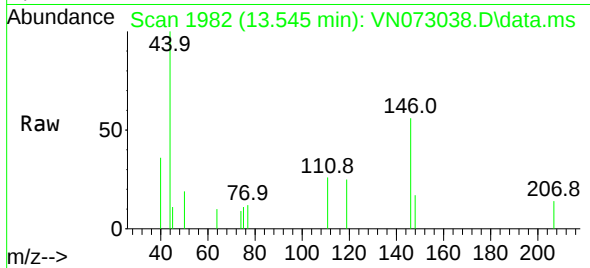




#87
 1,3-Dichlorobenzene
 Concen: 0.233 ug/l
 RT: 13.545 min Scan# 1982
 Delta R.T. -0.006 min
 Lab File: VN073038.D
 Acq: 23 Jun 2022 10:41

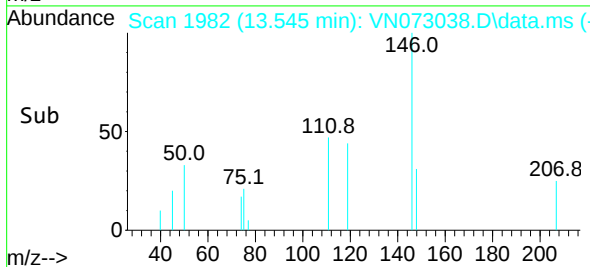
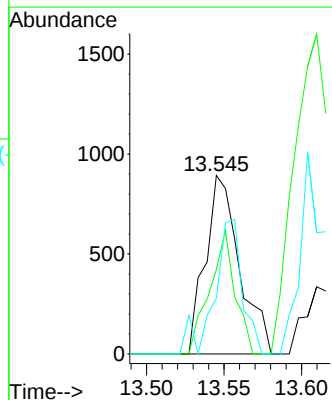
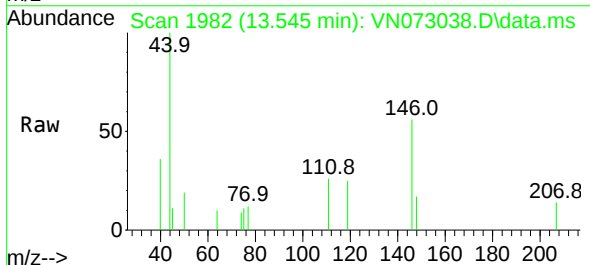
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBL01

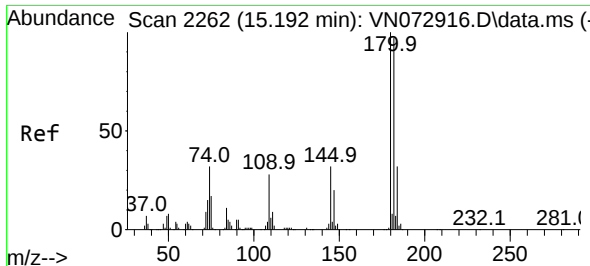
Tgt Ion:146 Resp: 1369
 Ion Ratio Lower Upper
 146 100
 111 51.3 20.0 60.0
 148 61.3 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 0.230 ug/l
 RT: 13.545 min Scan# 1982
 Delta R.T. -0.082 min
 Lab File: VN073038.D
 Acq: 23 Jun 2022 10:41

Tgt Ion:146 Resp: 1369
 Ion Ratio Lower Upper
 146 100
 111 51.3 19.1 57.1
 148 61.3 31.4 94.3

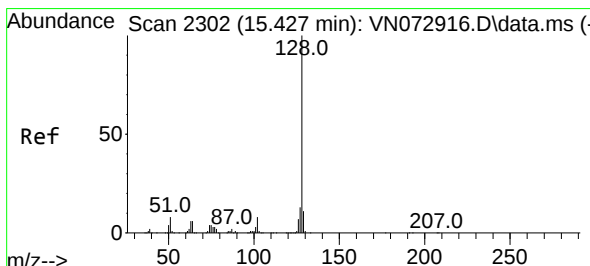
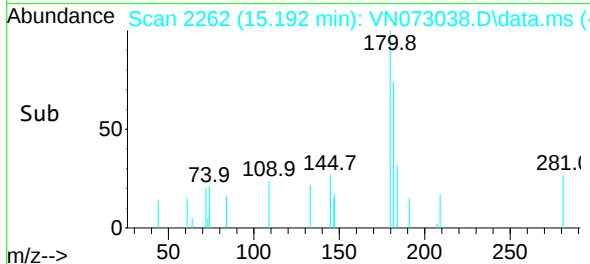
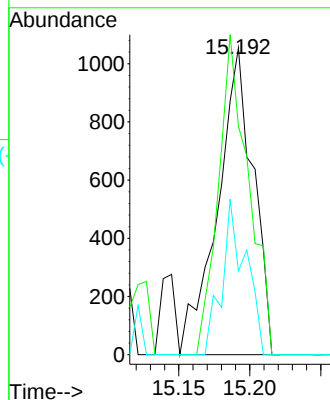
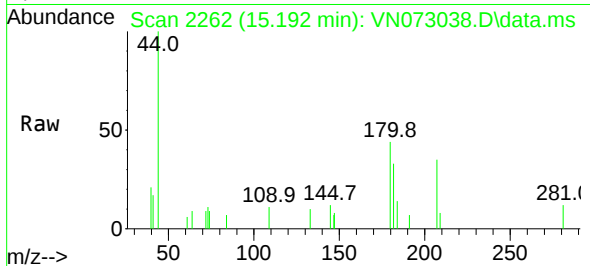




#93
1,2,4-Trichlorobenzene
Concen: 0.542 ug/l
RT: 15.192 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

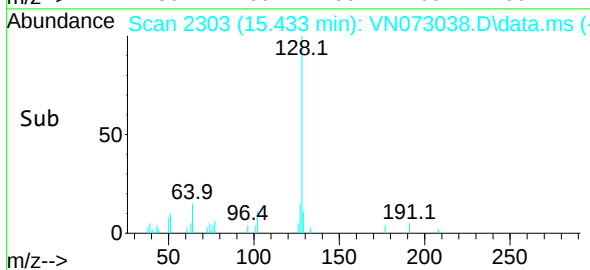
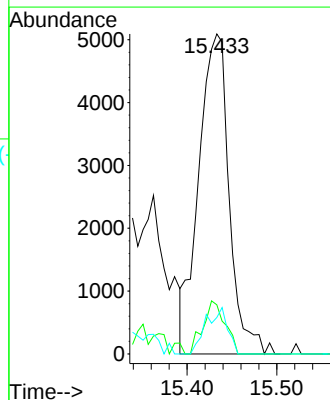
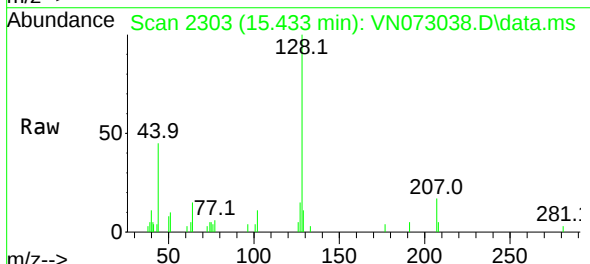
Instrument :
MSVOA_N
ClientSampleId :
VN0623WBL01

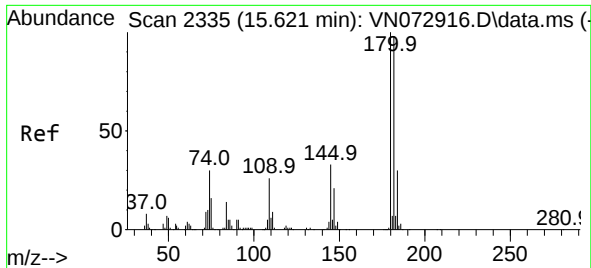
Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.2	47.5	142.5
145	33.9	14.5	43.5



#95
Naphthalene
Concen: 0.877 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073038.D
Acq: 23 Jun 2022 10:41

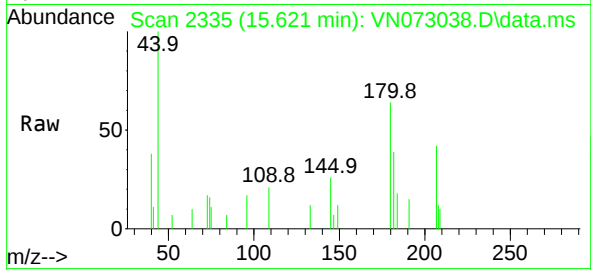
Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.3	15.5
129	10.3	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.626 ug/l
 RT: 15.621 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN073038.D
 Acq: 23 Jun 2022 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBL01



Tgt Ion:	180	Resp:	2265
Ion	Ratio	Lower	Upper
180	100		
182	84.9	47.8	143.3
145	43.4	15.5	46.5

