

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070722\
 Data File : VN073364.D
 Acq On : 07 Jul 2022 12:16
 Operator : JC\MD
 Sample : N3591-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OW-01B-64-69-070522

Quant Time: Jul 07 15:03:15 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

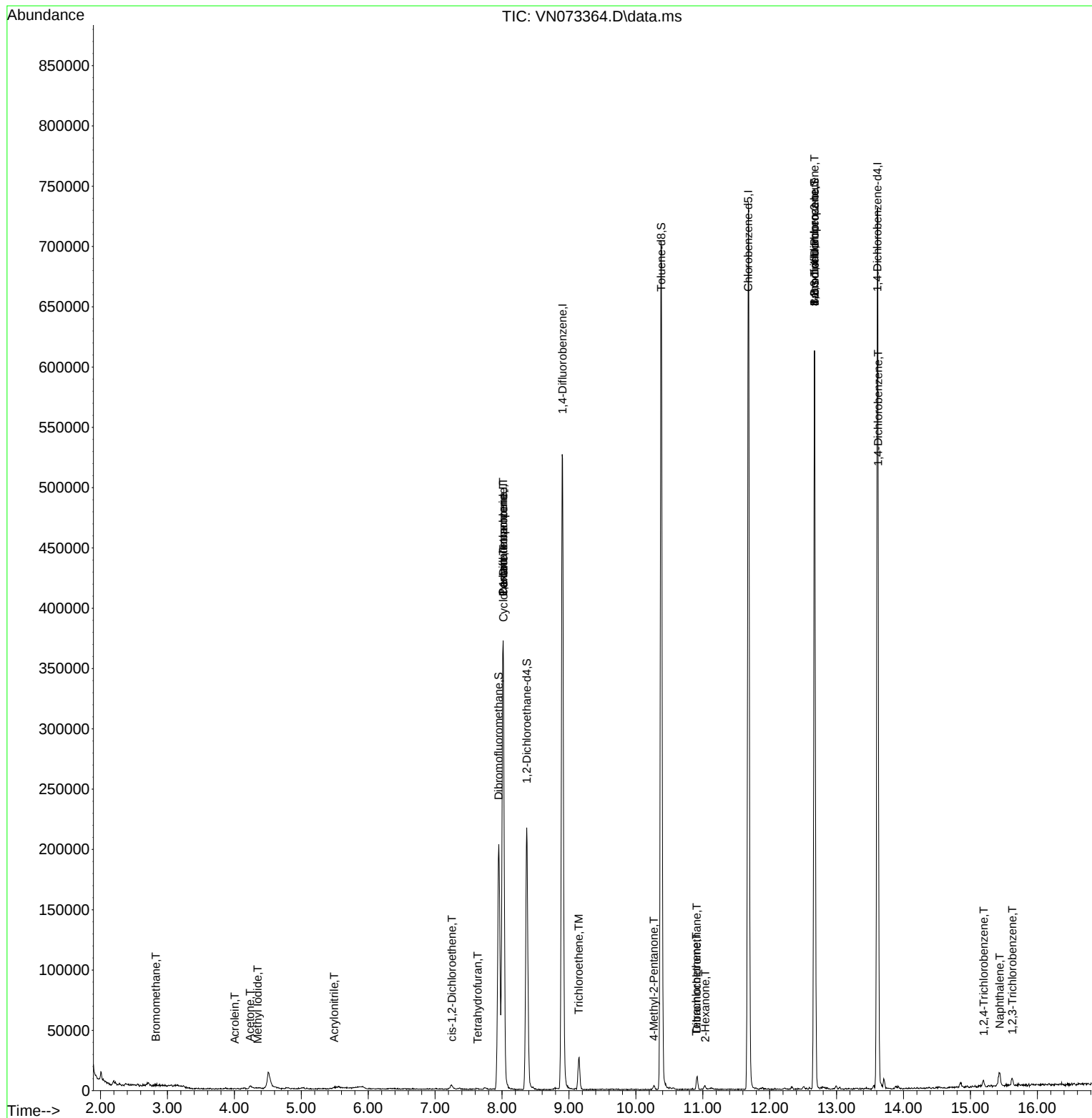
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	284575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	468802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	423481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	194844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	179204	43.622	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.240%
35) Dibromofluoromethane	7.951	113	147876	47.411	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.820%
50) Toluene-d8	10.381	98	492504	44.459	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.920%
62) 4-Bromofluorobenzene	12.669	95	206398	48.483	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.960%
Target Compounds						
					Qvalue	
5) Bromomethane	2.828	94	650	0.401	ug/l #	73
10) Methyl Iodide	4.346	142	680	3.865	ug/l #	54
13) Acrolein	4.004	56	252	0.401	ug/l #	42
15) Acrylonitrile	5.493	53	1058	0.413	ug/l #	72
16) Acetone	4.234	43	4758	2.063	ug/l #	87
27) cis-1,2-Dichloroethene	7.251	96	983	0.232	ug/l #	20
29) Tetrahydrofuran	7.634	42	543	0.216	ug/l #	44
31) Cyclohexane	8.022	56	7049	1.048	ug/l #	31
36) 1,1-Dichloropropene	8.016	75	23247	4.844	ug/l #	49
38) Carbon Tetrachloride	8.016	117	29558	5.956	ug/l #	18
44) Trichloroethene	9.145	130	9306	2.469	ug/l	99
51) 4-Methyl-2-Pentanone	10.269	43	2858	0.432	ug/l #	85
59) 2-Hexanone	11.039	43	3136	0.622	ug/l	72
60) Dibromochloromethane	10.910	129	2547	0.709	ug/l #	11
64) Tetrachloroethene	10.904	164	2499	0.723	ug/l #	70
71) Bromoform	12.669	173	1254	0.486	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	109286	21.451	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	109286	58.827	ug/l #	10
88) 1,4-Dichlorobenzene	13.621	146	1418	0.202	ug/l #	73
93) 1,2,4-Trichlorobenzene	15.198	180	1936	0.520	ug/l	90
95) Naphthalene	15.439	128	13726	0.914	ug/l	96
96) 1,2,3-Trichlorobenzene	15.627	180	2712	0.706	ug/l	86

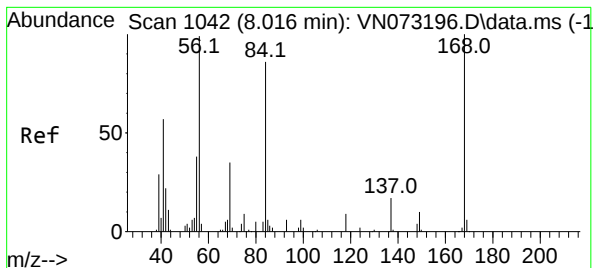
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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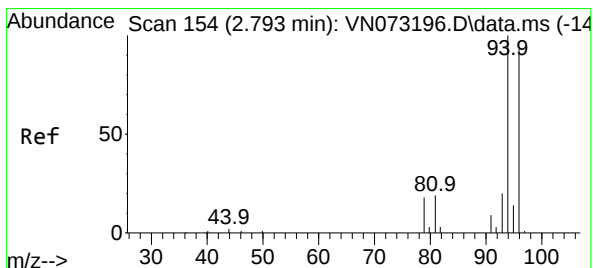
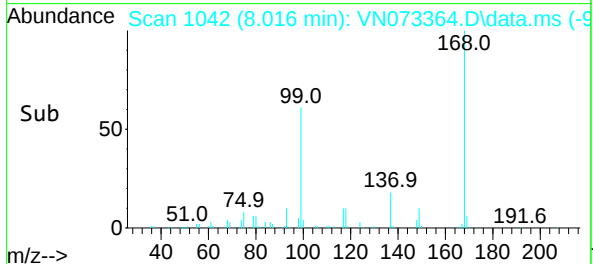
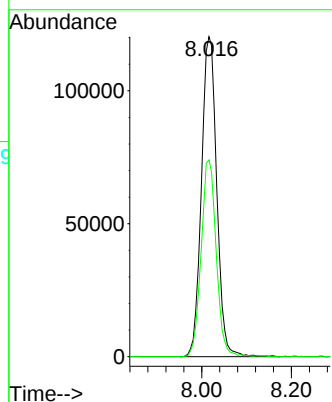
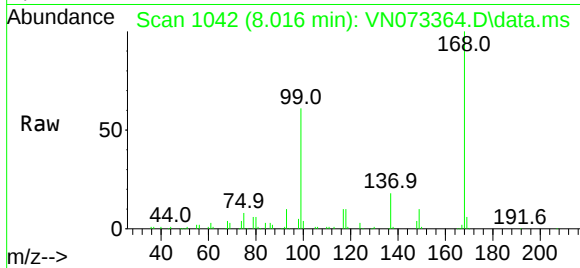




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

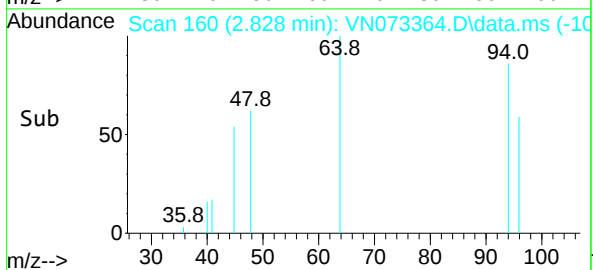
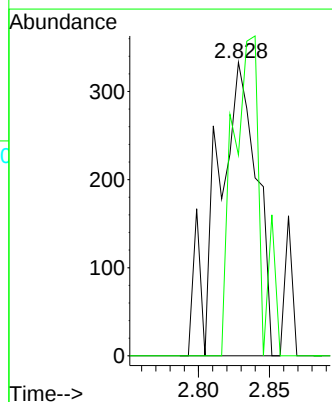
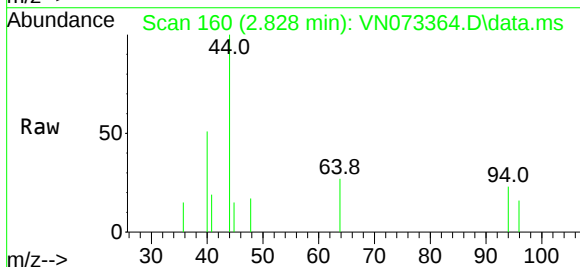
Instrument :
MSVOA_N
ClientSampleId :
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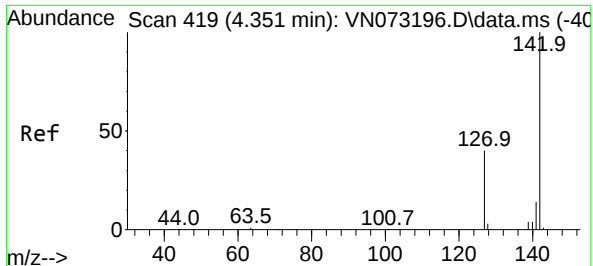
Tgt Ion:168 Resp: 284575
Ion Ratio Lower Upper
168 100
99 61.5 42.3 63.5



#5
Bromomethane
Concen: 0.401 ug/l
RT: 2.828 min Scan# 160
Delta R.T. 0.035 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

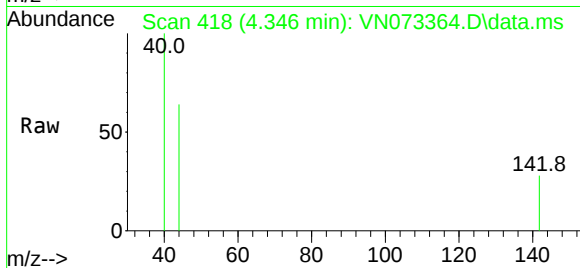
Tgt Ion: 94 Resp: 650
Ion Ratio Lower Upper
94 100
96 68.5 76.0 114.0#



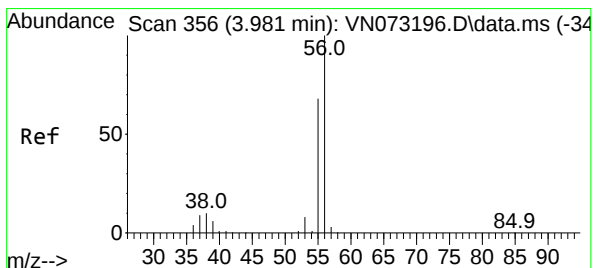
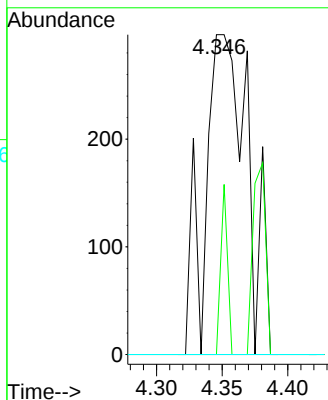
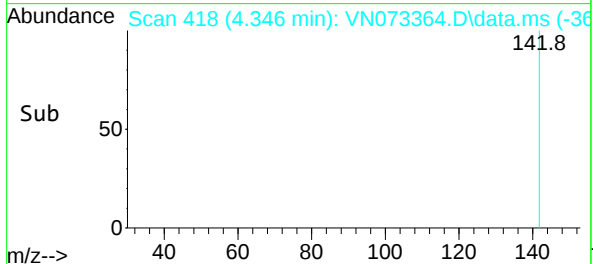


#10
Methyl Iodide
Concen: 3.865 ug/l
RT: 4.346 min Scan# 41
Delta R.T. -0.005 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-070522

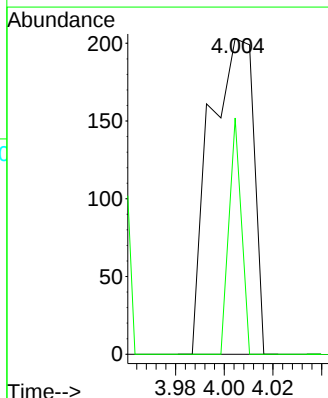
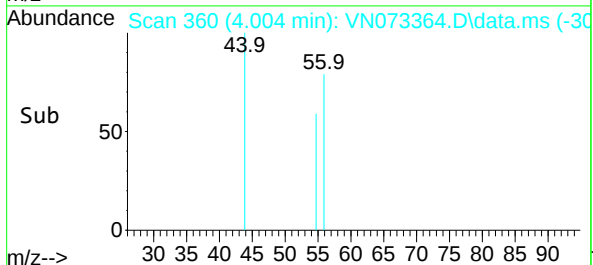
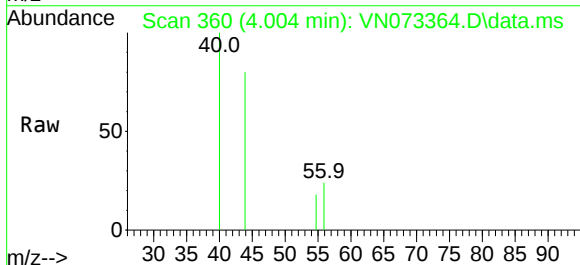


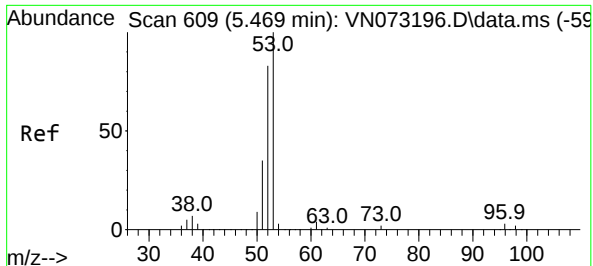
Tgt Ion:142 Resp: 680
Ion Ratio Lower Upper
142 100
127 8.2 31.3 46.9#
141 0.0 11.2 16.8#



#13
Acrolein
Concen: 0.401 ug/l
RT: 4.004 min Scan# 360
Delta R.T. 0.023 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

Tgt Ion: 56 Resp: 252
Ion Ratio Lower Upper
56 100
55 21.4 54.8 82.2#

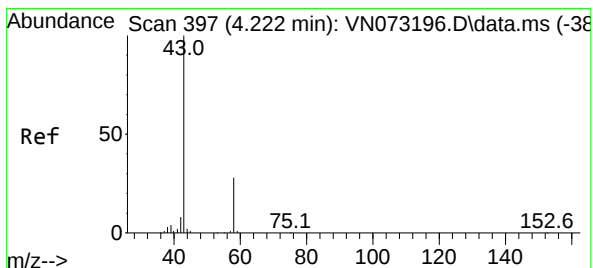
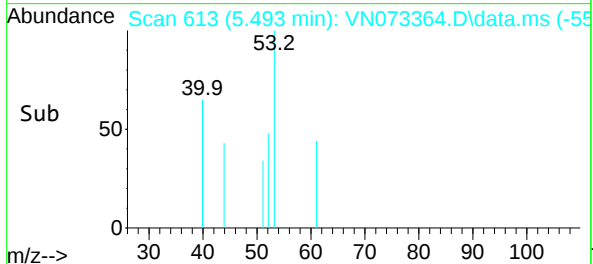
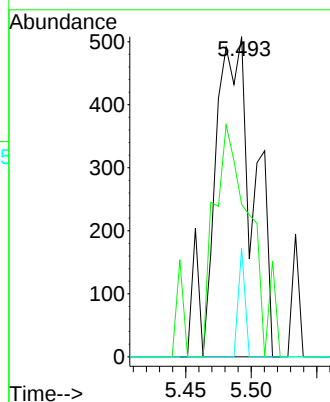
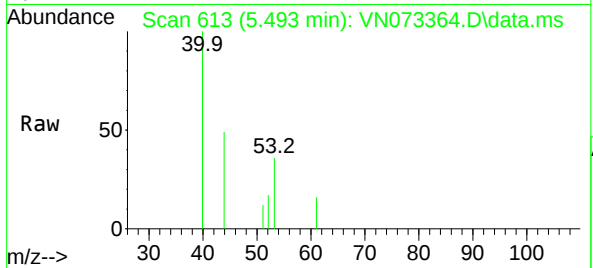




#15
Acrylonitrile
Concen: 0.413 ug/l
RT: 5.493 min Scan# 613
Delta R.T. 0.024 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

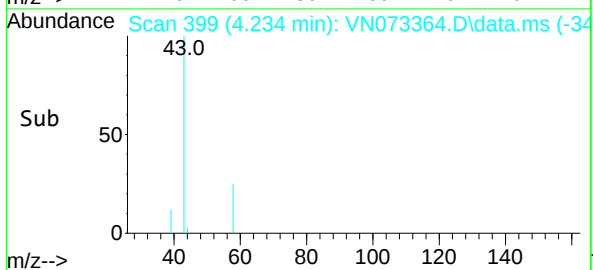
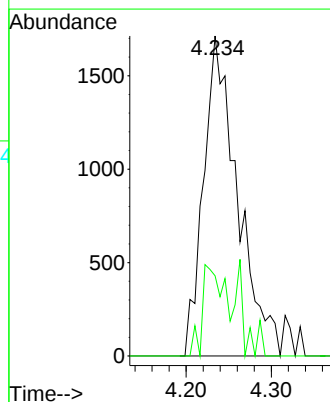
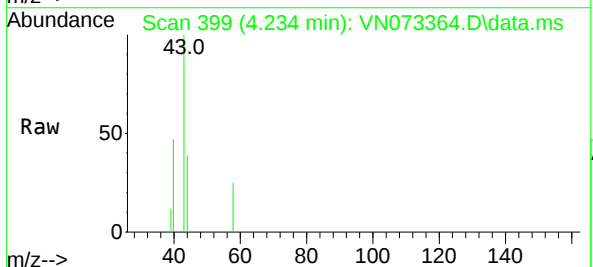
Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-070522

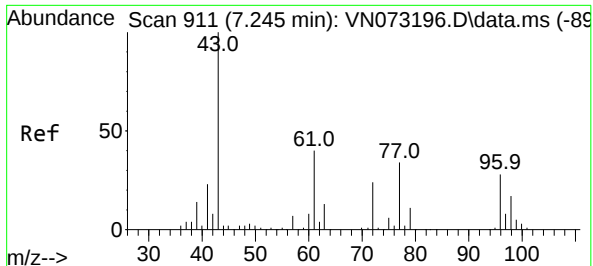
Tgt Ion: 53 Resp: 1058
Ion Ratio Lower Upper
53 100
52 66.5 66.4 99.6
51 5.8 28.5 42.7#



#16
Acetone
Concen: 2.063 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

Tgt Ion: 43 Resp: 4758
Ion Ratio Lower Upper
43 100
58 25.0 26.0 39.0#





#27

cis-1,2-Dichloroethene

Concen: 0.232 ug/l

RT: 7.251 min Scan# 911

Delta R.T. 0.006 min

Lab File: VN073364.D

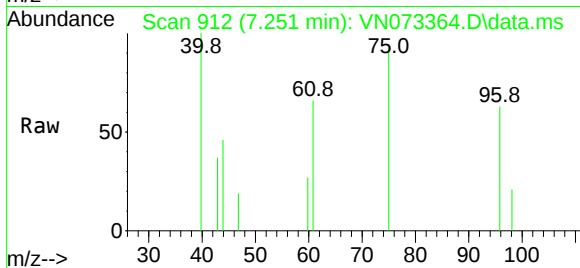
Acq: 07 Jul 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

OW-01B-64-69-070522



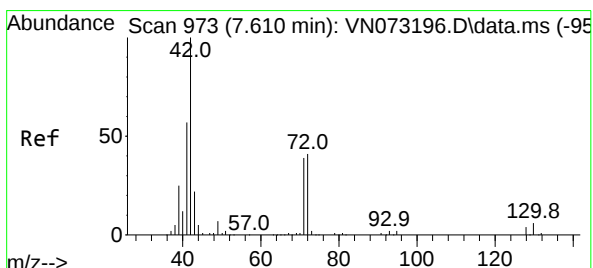
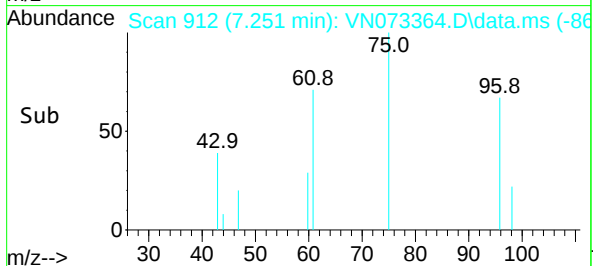
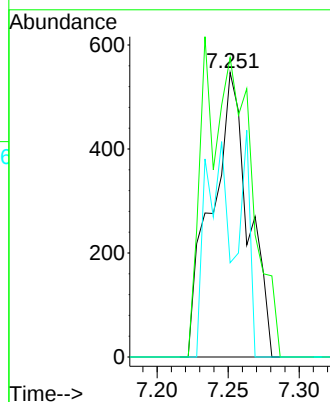
Tgt Ion: 96 Resp: 983

Ion Ratio Lower Upper

96 100

61 0.0 0.0 280.6

98 67.5 0.0 128.4



#29

Tetrahydrofuran

Concen: 0.216 ug/l

RT: 7.634 min Scan# 977

Delta R.T. 0.024 min

Lab File: VN073364.D

Acq: 07 Jul 2022 12:16

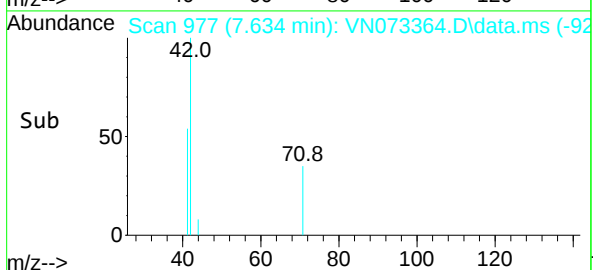
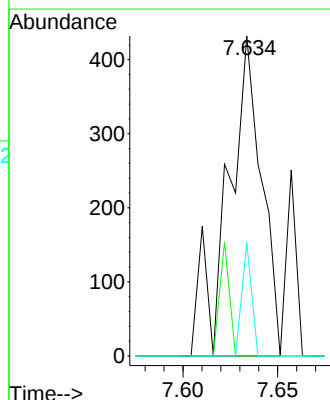
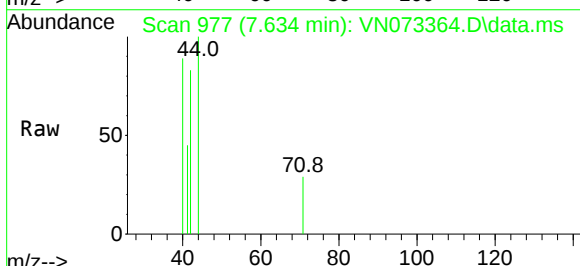
Tgt Ion: 42 Resp: 543

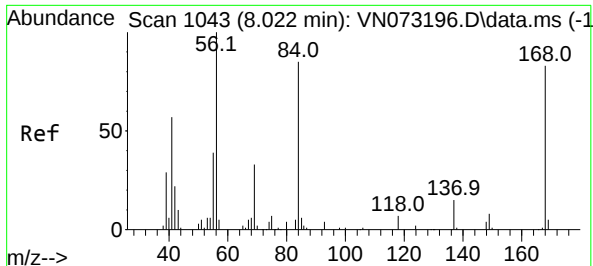
Ion Ratio Lower Upper

42 100

72 9.9 39.7 59.5#

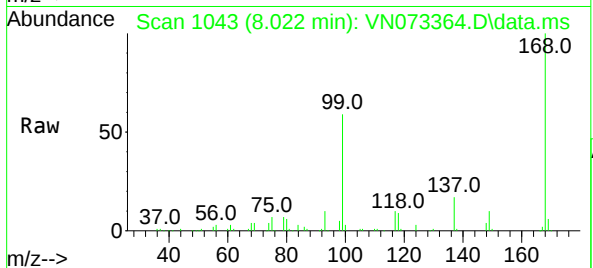
71 9.9 36.6 55.0#



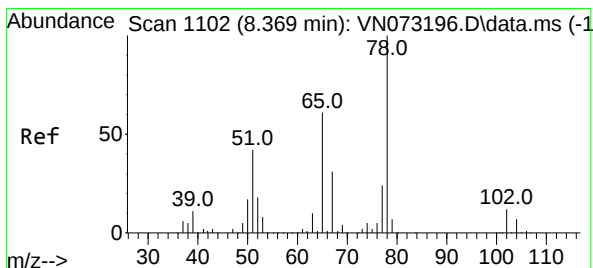
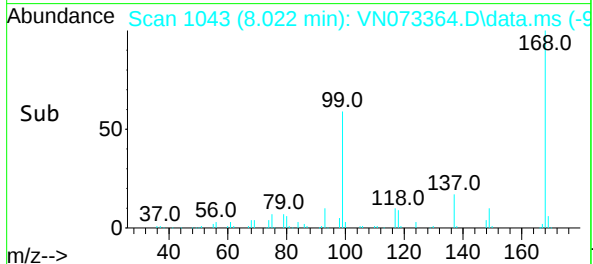
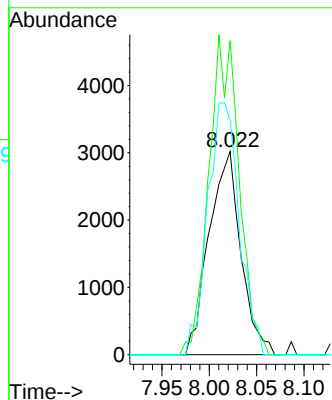


#31
Cyclohexane
Concen: 1.048 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

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ClientSampleId :
OW-01B-64-69-070522

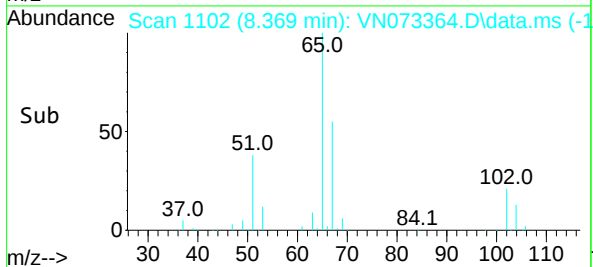
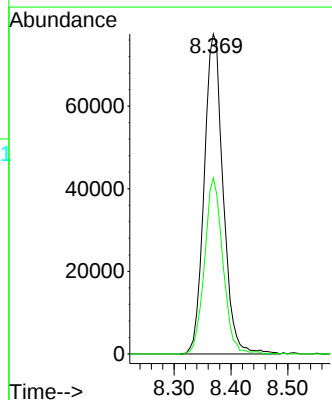
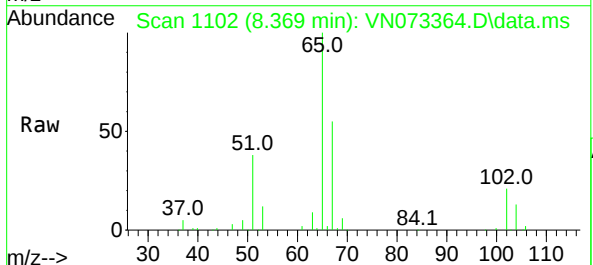


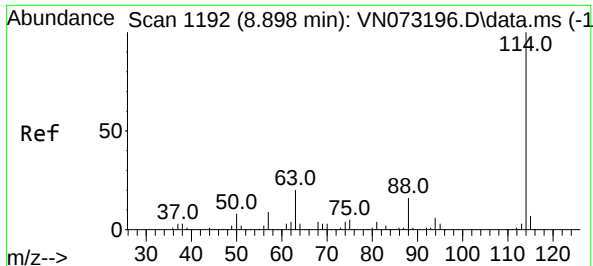
Tgt Ion: 56 Resp: 7049
Ion Ratio Lower Upper
56 100
69 154.6 27.8 41.8#
84 115.0 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 43.622 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

Tgt Ion: 65 Resp: 179204
Ion Ratio Lower Upper
65 100
67 53.1 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: VN073364.D

Acq: 07 Jul 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

OW-01B-64-69-070522

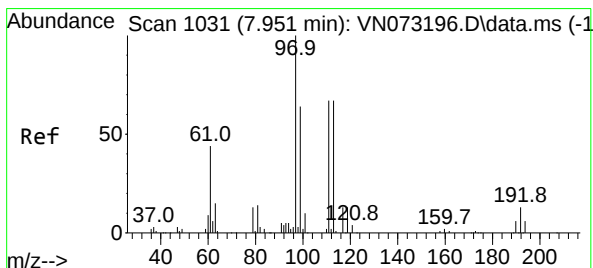
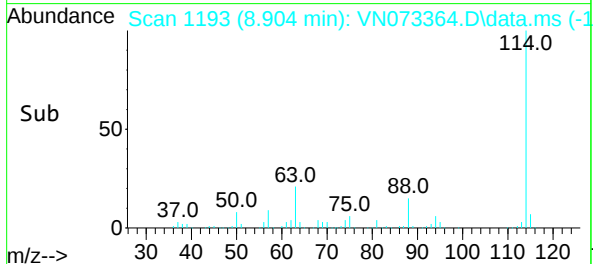
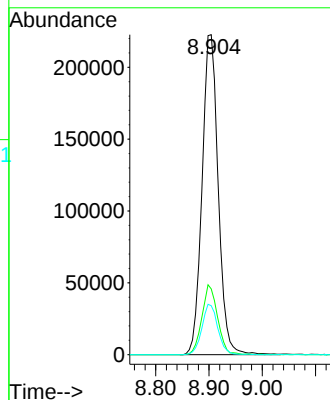
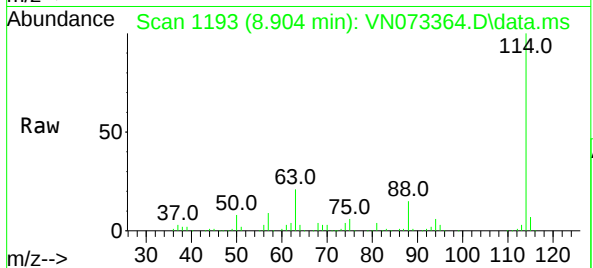
Tgt Ion:114 Resp: 468802

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.411 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073364.D

Acq: 07 Jul 2022 12:16

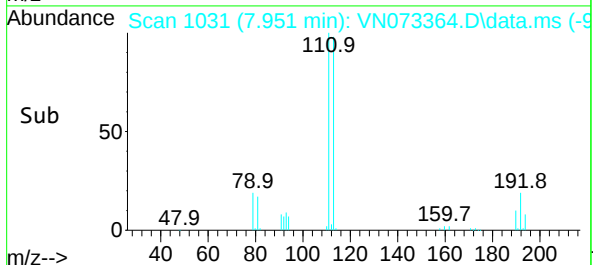
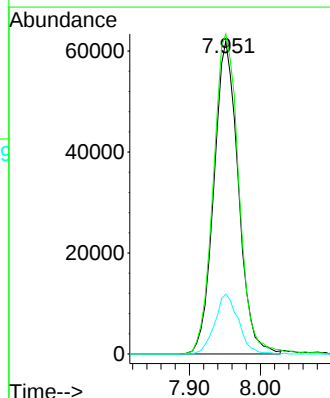
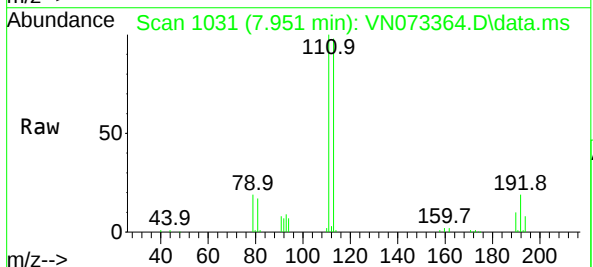
Tgt Ion:113 Resp: 147876

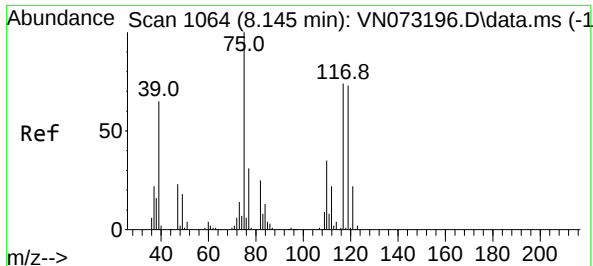
Ion Ratio Lower Upper

113 100

111 106.9 81.4 122.0

192 18.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.844 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073364.D

Acq: 07 Jul 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

OW-01B-64-69-070522

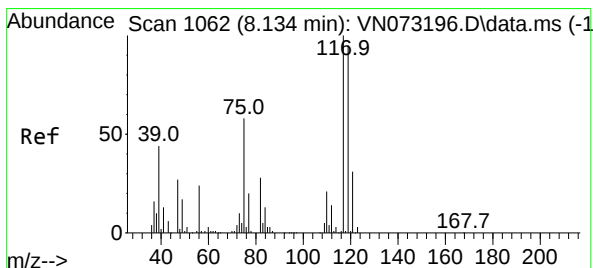
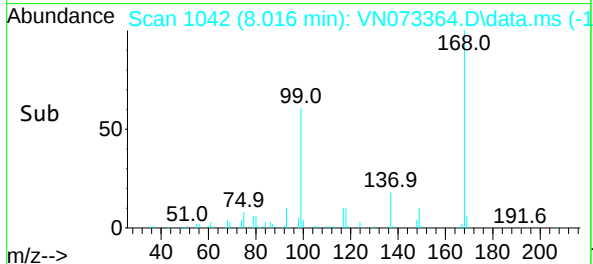
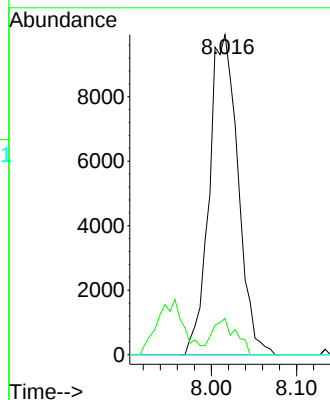
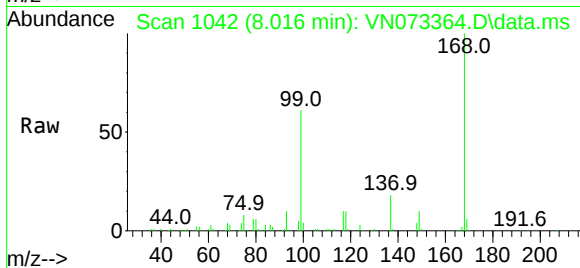
Tgt Ion: 75 Resp: 23247

Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.956 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073364.D

Acq: 07 Jul 2022 12:16

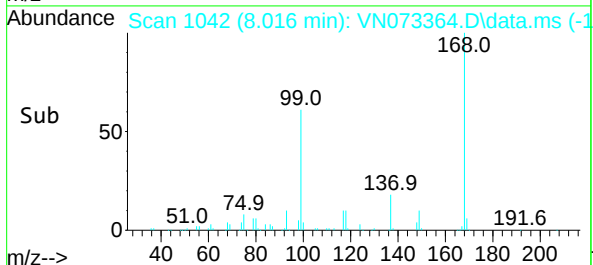
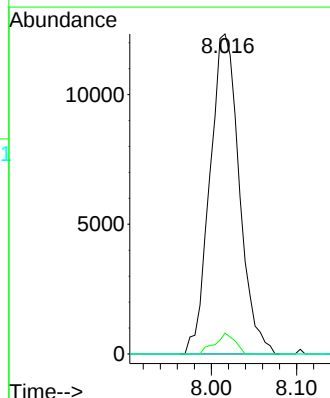
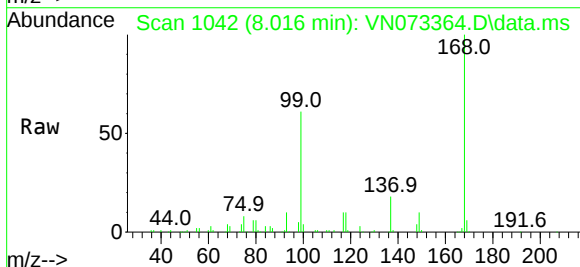
Tgt Ion: 117 Resp: 29558

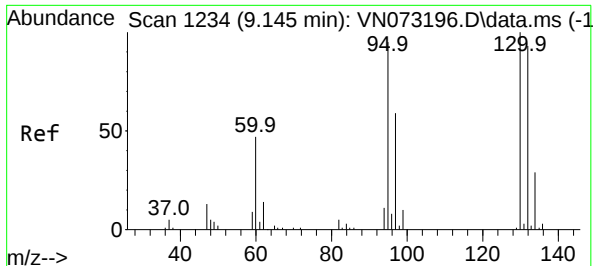
Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.8#

121 0.0 24.6 37.0#

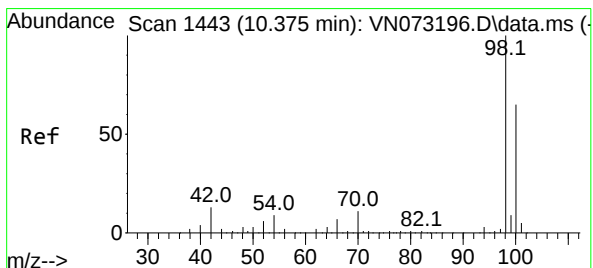
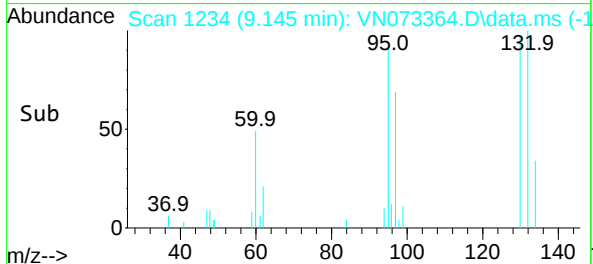
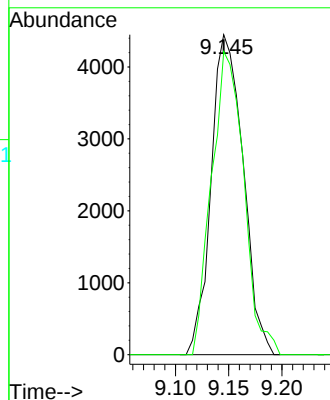
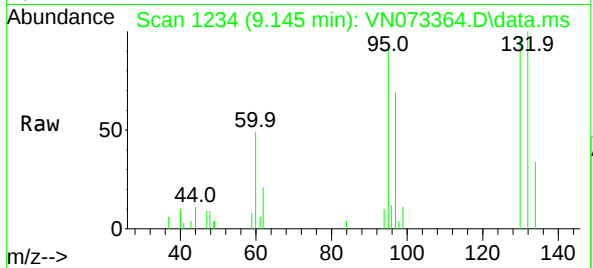




#44
Trichloroethene
Concen: 2.469 ug/l
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

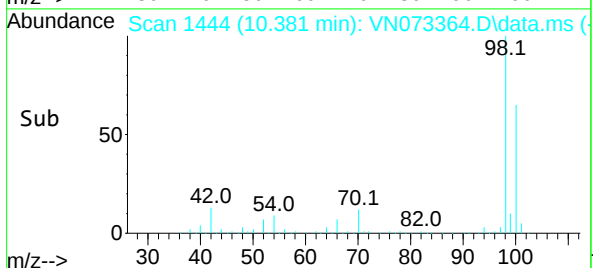
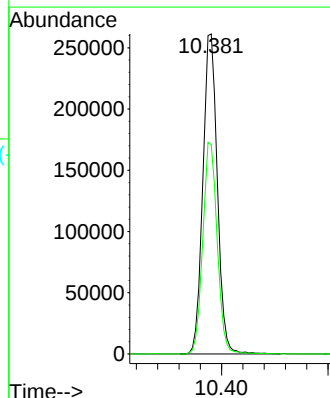
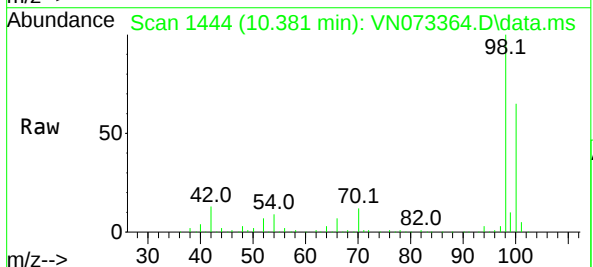
Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-070522

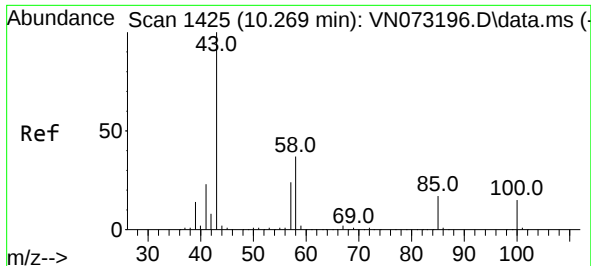
Tgt Ion:130 Resp: 9306
Ion Ratio Lower Upper
130 100
95 94.8 0.0 186.8



#50
Toluene-d8
Concen: 44.459 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

Tgt Ion: 98 Resp: 492504
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.432 ug/l

RT: 10.269 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VN073364.D

Acq: 07 Jul 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

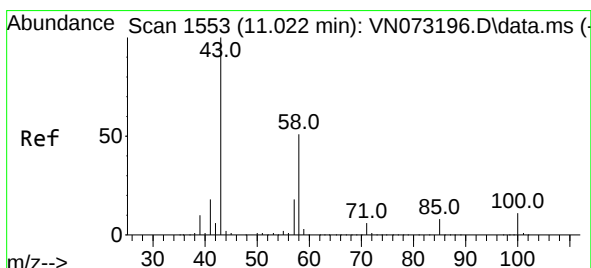
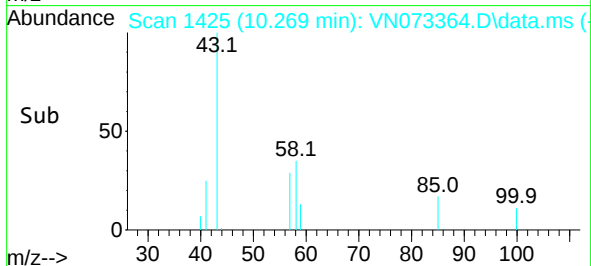
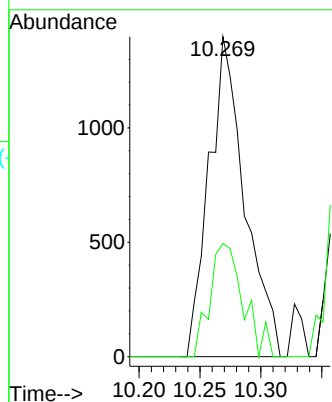
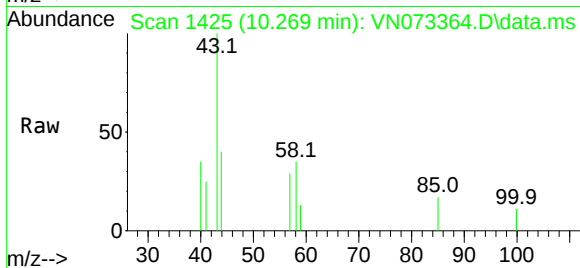
OW-01B-64-69-070522

Tgt Ion: 43 Resp: 2858

Ion Ratio Lower Upper

43 100

58 33.1 34.1 51.1#



#59

2-Hexanone

Concen: 0.622 ug/l

RT: 11.039 min Scan# 1556

Delta R.T. 0.017 min

Lab File: VN073364.D

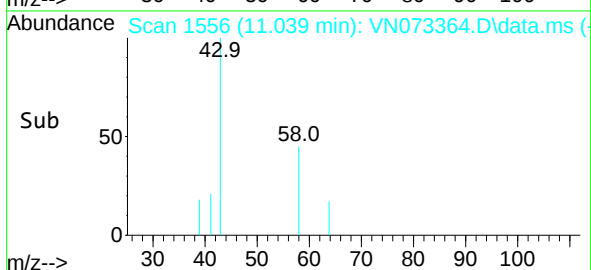
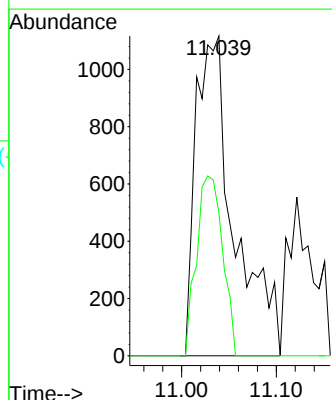
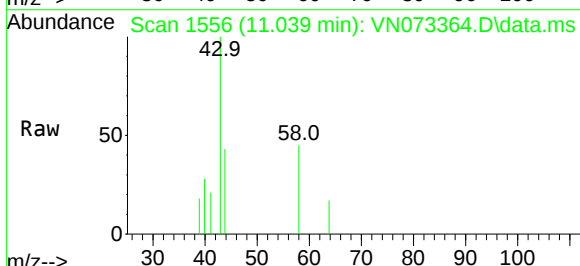
Acq: 07 Jul 2022 12:16

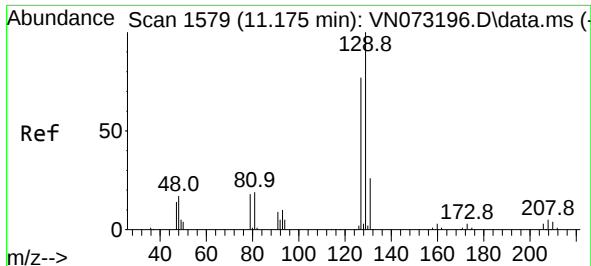
Tgt Ion: 43 Resp: 3136

Ion Ratio Lower Upper

43 100

58 38.3 29.7 89.1

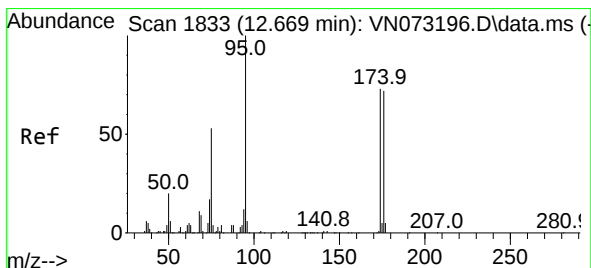
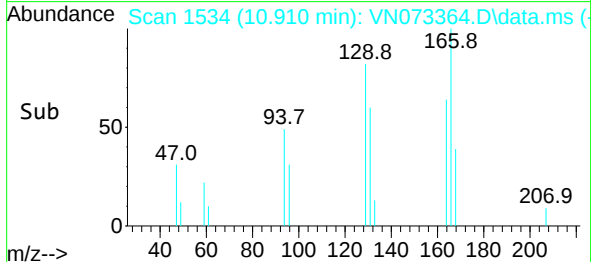
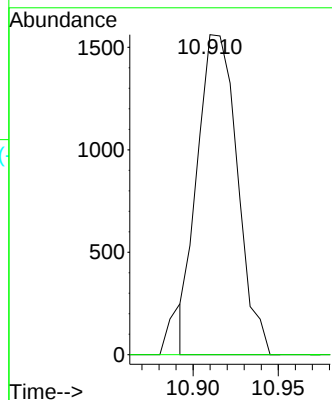
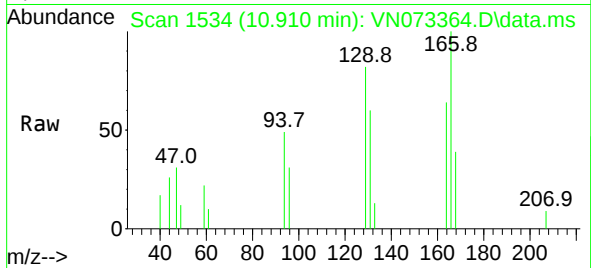




#60
Dibromochloromethane
Concen: 0.709 ug/l
RT: 10.910 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

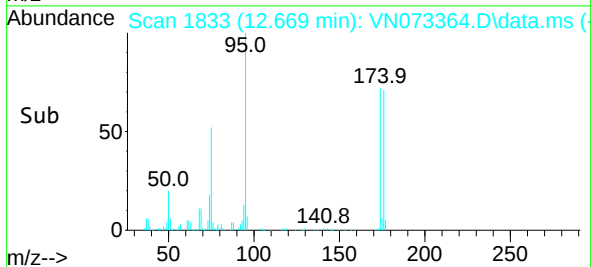
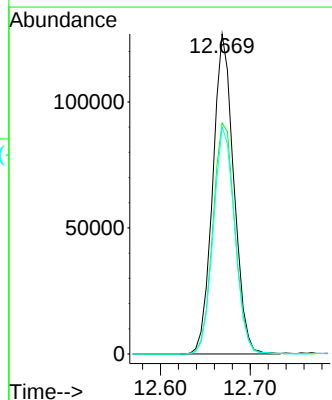
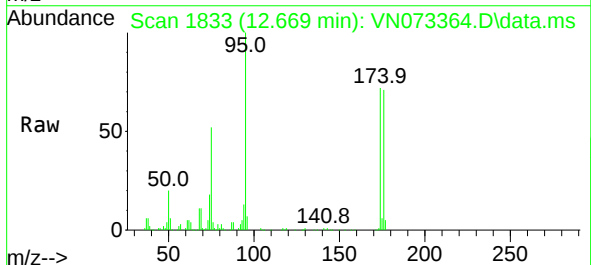
Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-070522

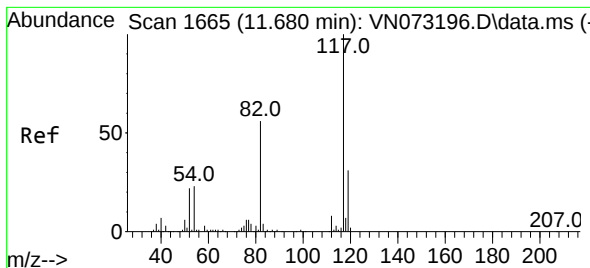
Tgt Ion:129 Resp: 2547
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.483 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

Tgt Ion: 95 Resp: 206398
Ion Ratio Lower Upper
95 100
174 75.6 0.0 167.6
176 72.3 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073364.D

Acq: 07 Jul 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

OW-01B-64-69-070522

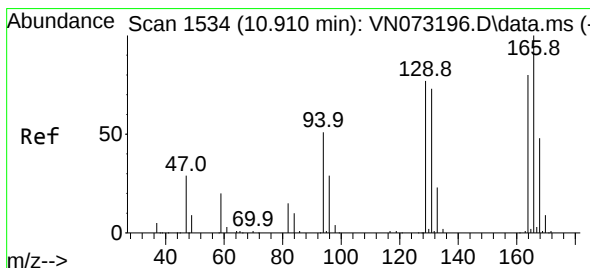
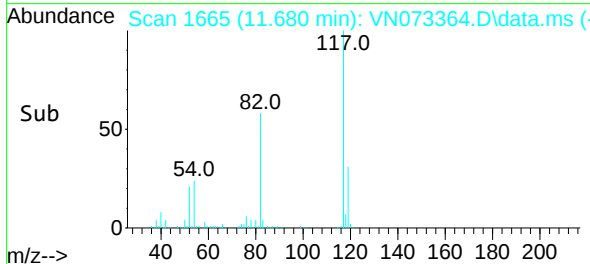
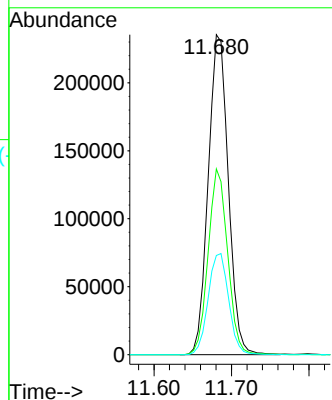
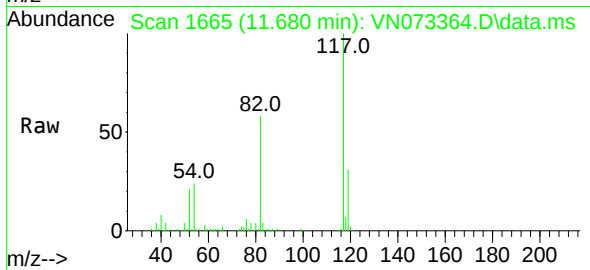
Tgt Ion:117 Resp: 423481

Ion Ratio Lower Upper

117 100

82 58.1 44.2 66.2

119 31.0 25.4 38.0



#64

Tetrachloroethene

Concen: 0.723 ug/l

RT: 10.904 min Scan# 1533

Delta R.T. -0.006 min

Lab File: VN073364.D

Acq: 07 Jul 2022 12:16

Tgt Ion:164 Resp: 2499

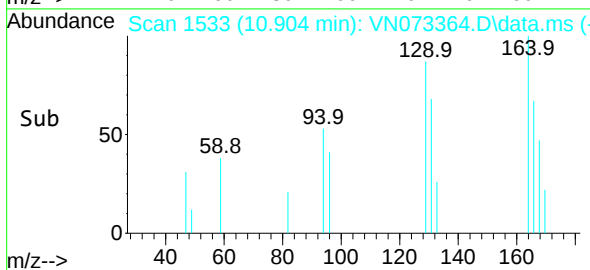
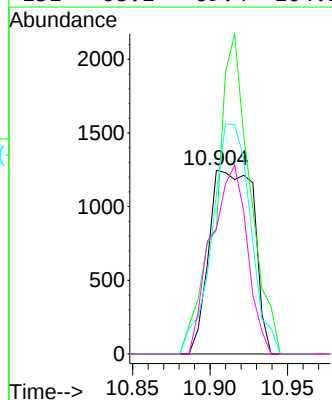
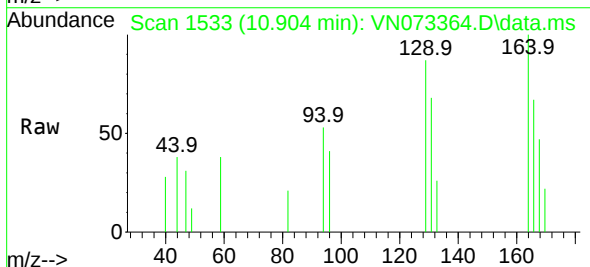
Ion Ratio Lower Upper

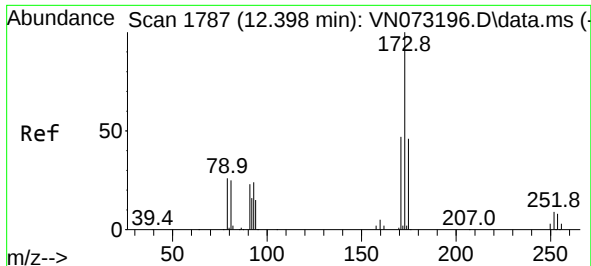
164 100

166 67.4 104.2 156.2#

129 86.5 73.9 110.9

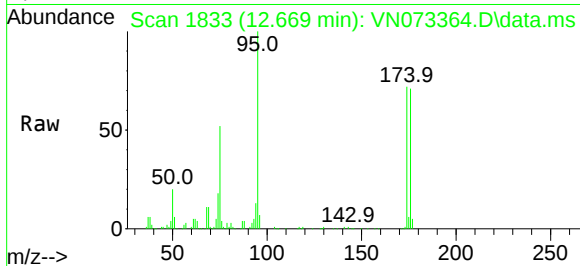
131 68.1 69.4 104.2#



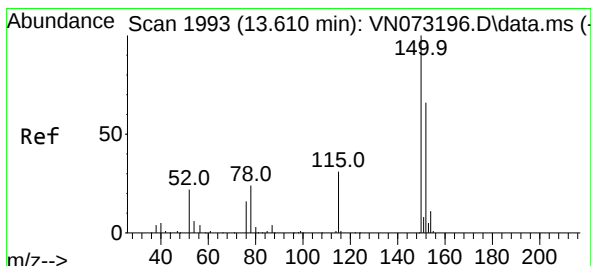
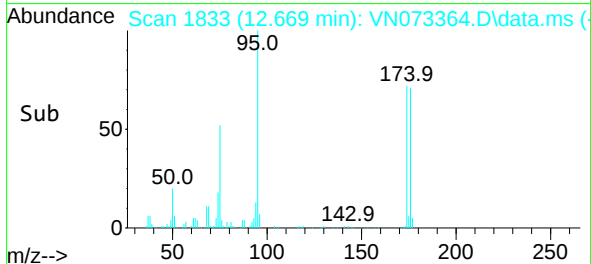
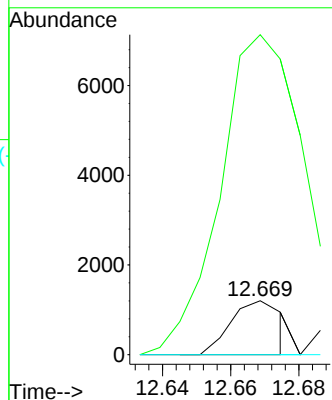


#71
Bromoform
Concen: 0.486 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-070522

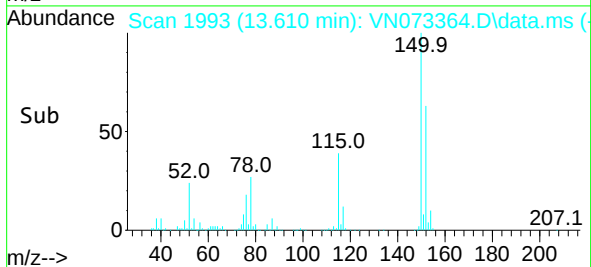
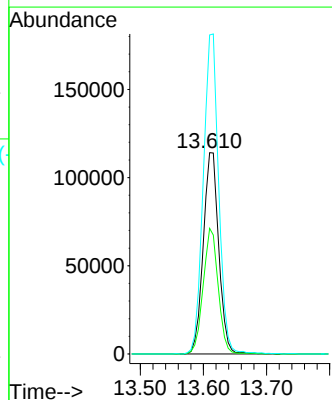
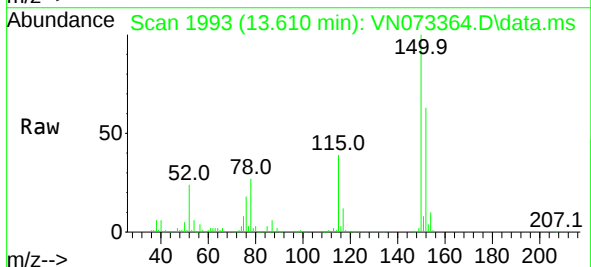


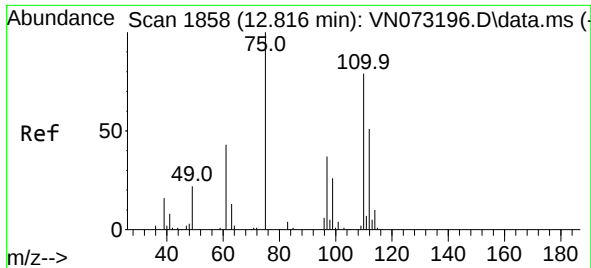
Tgt Ion:173 Resp: 1254
Ion Ratio Lower Upper
173 100
175 744.9 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

Tgt Ion:152 Resp: 194844
Ion Ratio Lower Upper
152 100
115 60.5 28.9 86.7
150 157.8 0.0 356.2

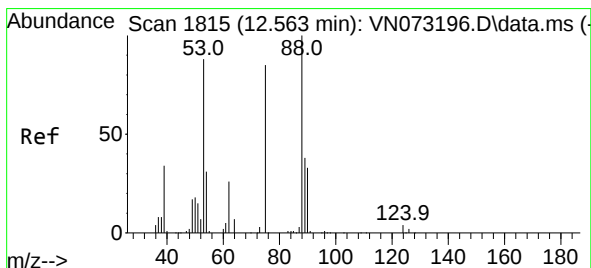
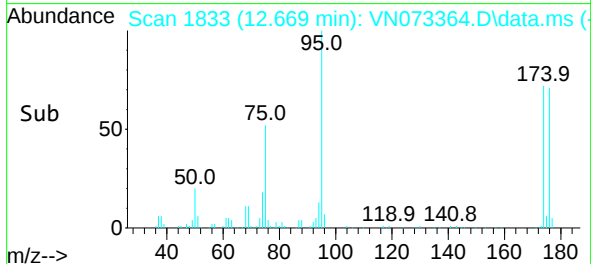
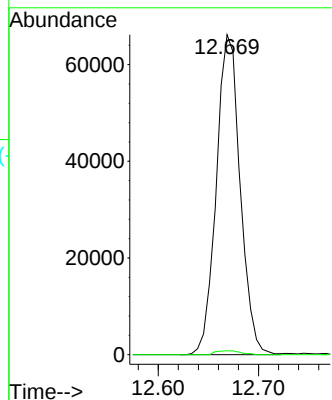
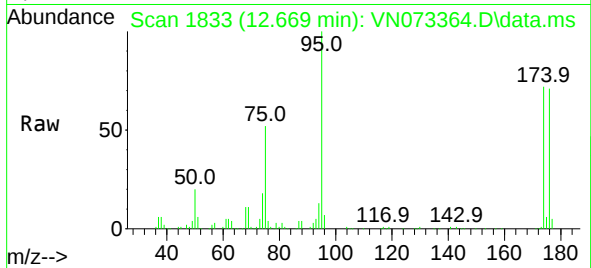




#76
1,2,3-Trichloropropane
Concen: 21.451 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

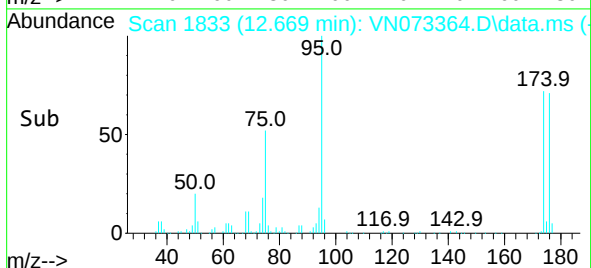
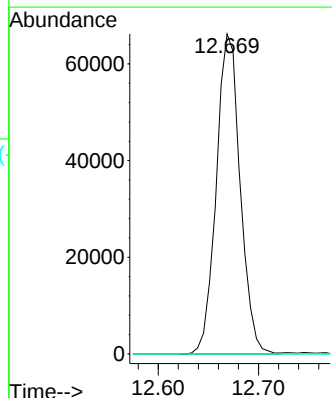
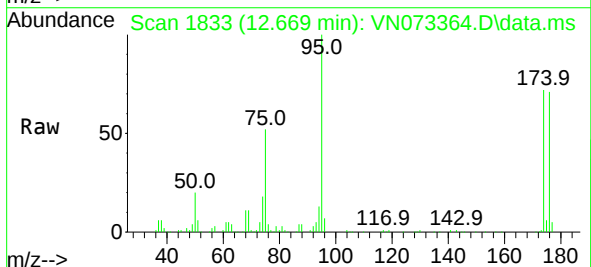
Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-070522

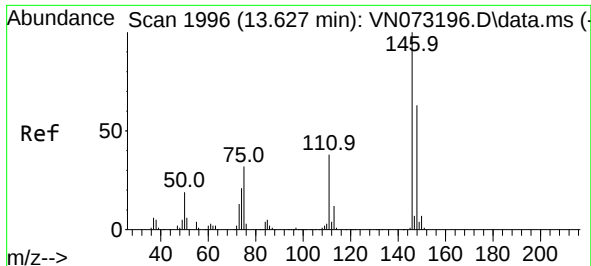
Tgt Ion: 75 Resp: 109286
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.827 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

Tgt Ion: 75 Resp: 109286
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

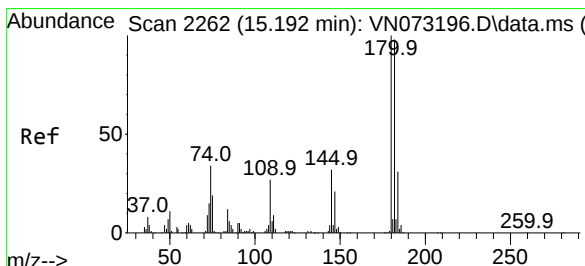
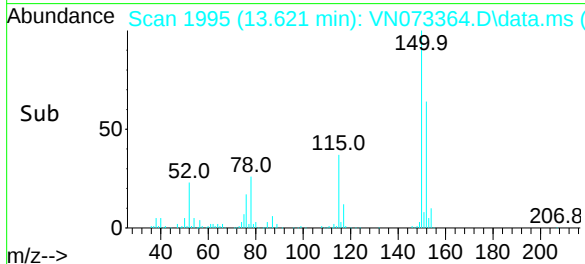
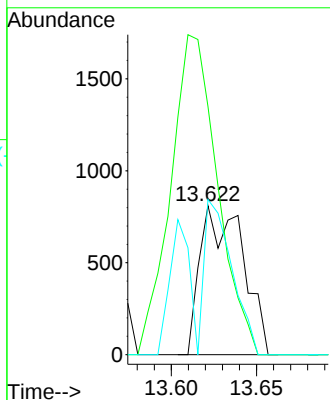
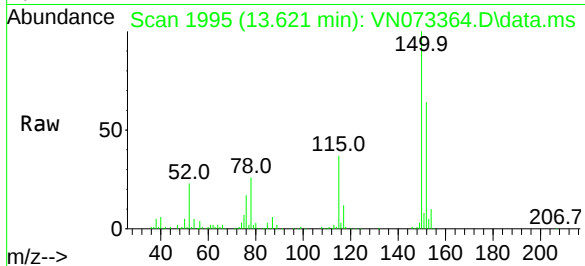




#88
1,4-Dichlorobenzene
Concen: 0.202 ug/l
RT: 13.621 min Scan# 1996
Delta R.T. -0.006 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

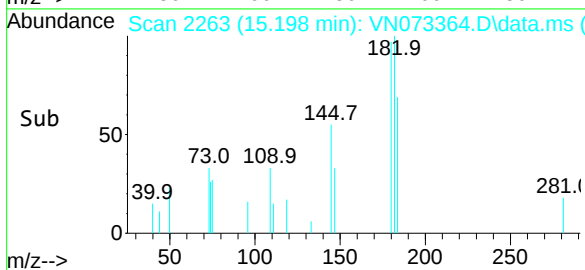
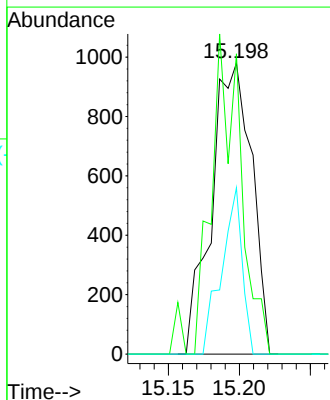
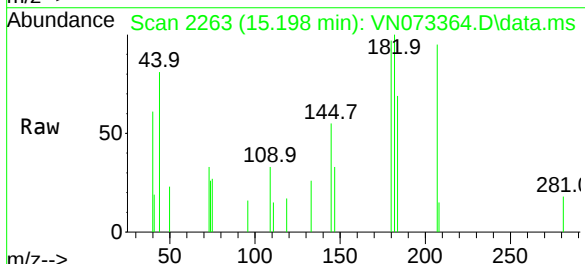
Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-070522

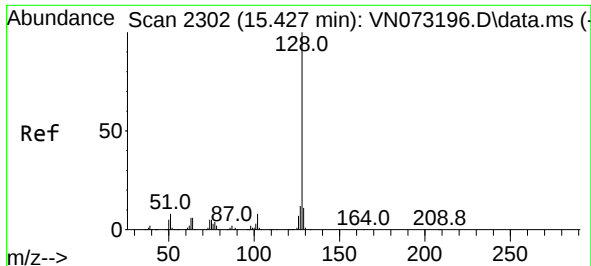
Tgt Ion:146 Resp: 1418
Ion Ratio Lower Upper
146 100
111 0.0 19.1 57.1#
148 67.1 31.4 94.3



#93
1,2,4-Trichlorobenzene
Concen: 0.520 ug/l
RT: 15.198 min Scan# 2263
Delta R.T. 0.006 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

Tgt Ion:180 Resp: 1936
Ion Ratio Lower Upper
180 100
182 82.4 47.5 142.5
145 29.3 14.5 43.5

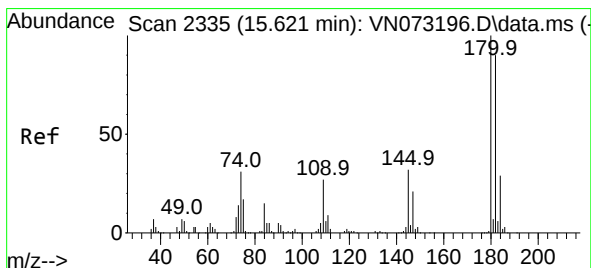
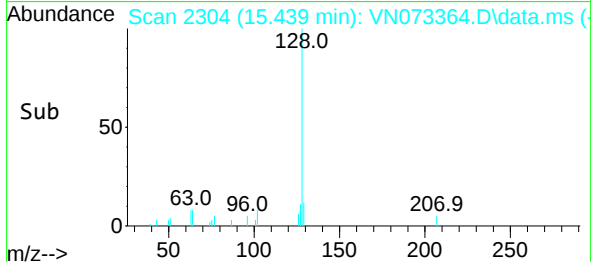
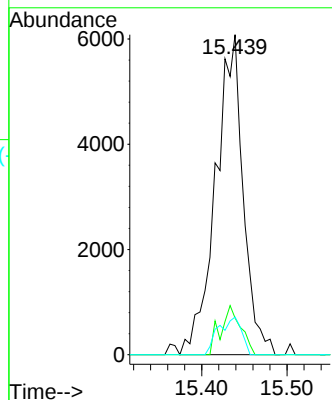
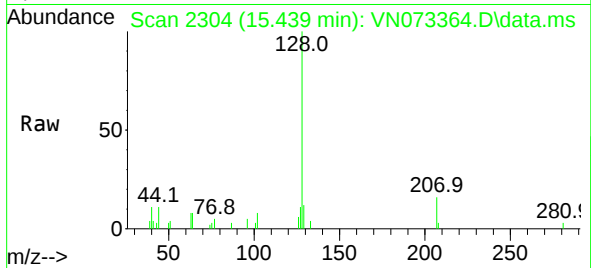




#95
Naphthalene
Concen: 0.914 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
OW-01B-64-69-070522

Tgt Ion:128	Resp:	13726
Ion	Ratio	Lower Upper
128	100	
127	11.1	10.3 15.5
129	9.8	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.706 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.006 min
Lab File: VN073364.D
Acq: 07 Jul 2022 12:16

Tgt Ion:180	Resp:	2712
Ion	Ratio	Lower Upper
180	100	
182	77.2	47.8 143.3
145	31.2	15.5 46.5

