

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062122\
 Data File : VN073002.D
 Acq On : 22 Jun 2022 04:28
 Operator : JC\MD
 Sample : N3381-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Quant Time: Jun 22 07:04:31 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)

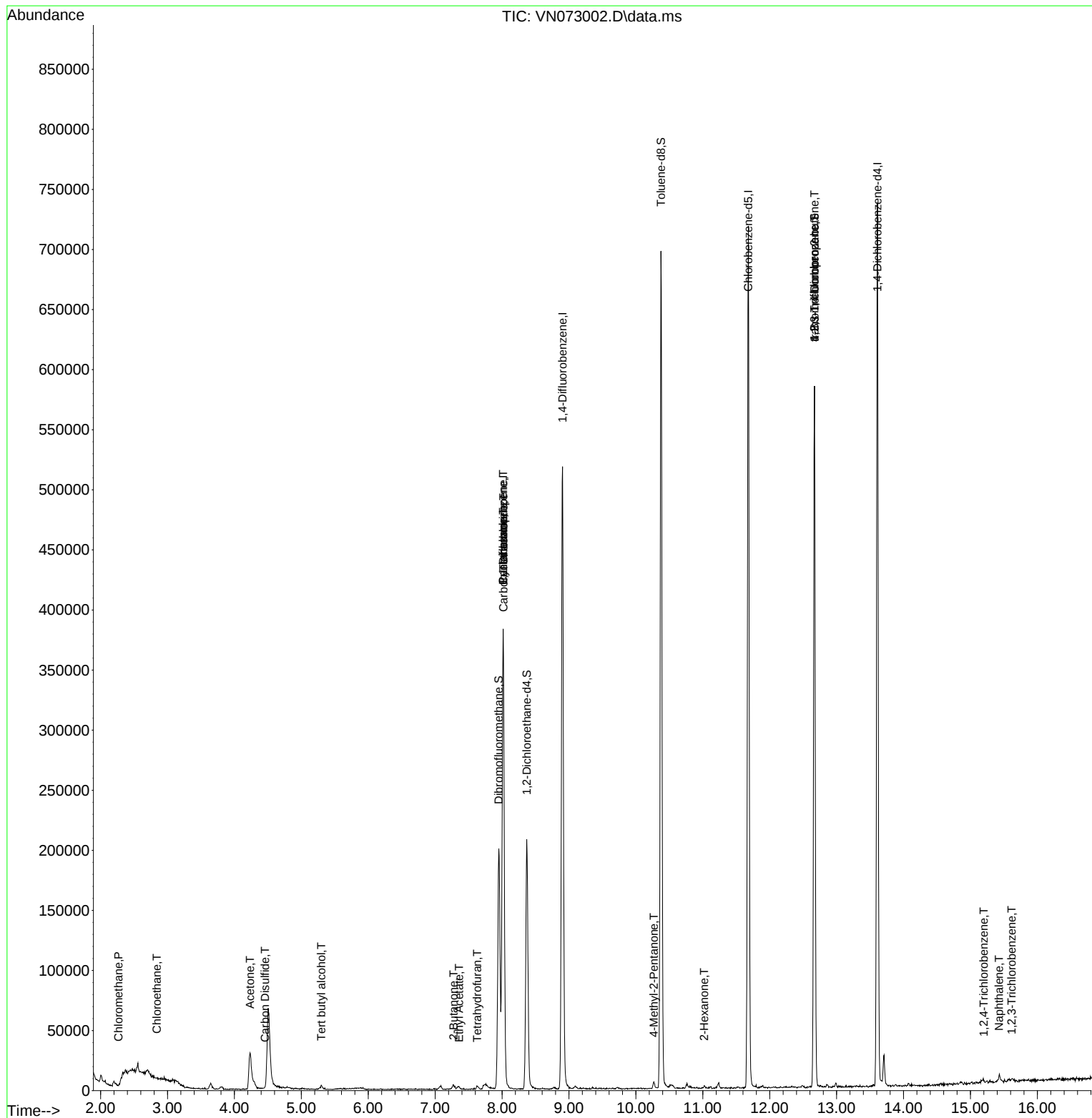
Internal Standards						
1) Pentafluorobenzene	8.016	168	288484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	461286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	419339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	198030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	174223	44.670	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.340%
35) Dibromofluoromethane	7.951	113	149026	52.268	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.540%
50) Toluene-d8	10.375	98	482227	45.453	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.900%
62) 4-Bromofluorobenzene	12.669	95	204675	53.651	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	505	0.738	ug/l #	43
6) Chloroethane	2.840	64	1075	0.698	ug/l #	72
11) Tert butyl alcohol	5.298	59	4055	4.025	ug/l	99
16) Acetone	4.234	43	57578	26.856	ug/l	96
17) Carbon Disulfide	4.457	76	1604	0.227	ug/l #	75
20) Methylene Chloride	5.010	84	93	Below Cal	#	10
25) 2-Butanone	7.275	43	5780	1.699	ug/l #	83
29) Tetrahydrofuran	7.628	42	1888	0.840	ug/l #	72
31) Cyclohexane	8.016	56	8222	1.558	ug/l #	55
36) 1,1-Dichloropropene	8.016	75	23246	6.025	ug/l #	48
37) Ethyl Acetate	7.357	43	4742	0.768	ug/l #	76
38) Carbon Tetrachloride	8.022	117	28021	6.905	ug/l #	16
51) 4-Methyl-2-Pentanone	10.269	43	5130	0.892	ug/l #	76
59) 2-Hexanone	11.022	43	1676	0.377	ug/l	68
76) 1,2,3-Trichloropropane	12.669	75	104840	21.836	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	104840	58.971	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.198	180	879	0.232	ug/l #	83
95) Naphthalene	15.427	128	6106	0.399	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.615	180	1036	0.257	ug/l #	26

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

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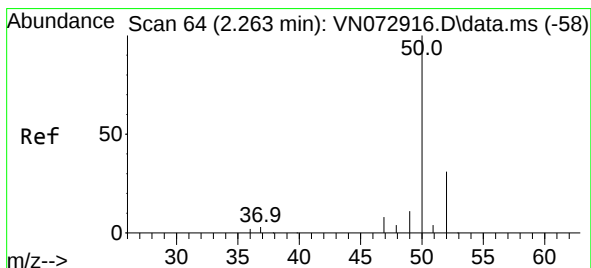
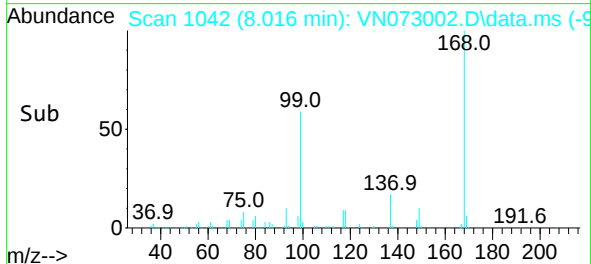
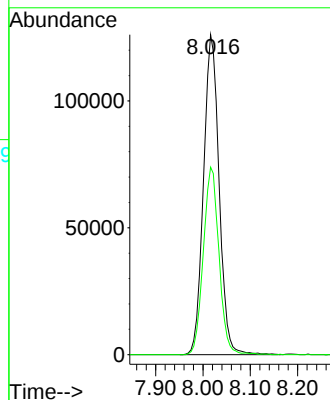
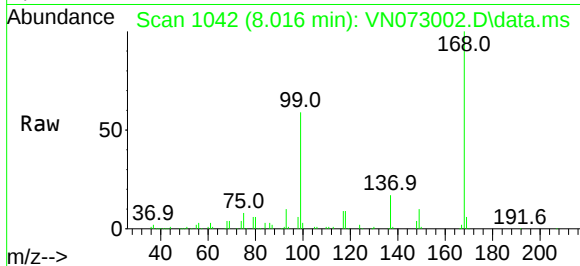




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

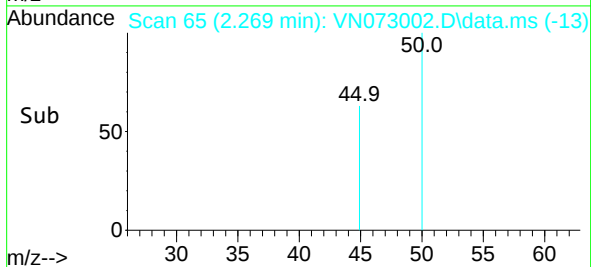
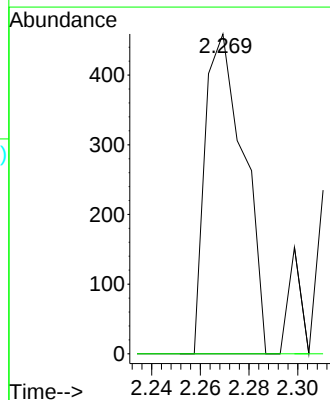
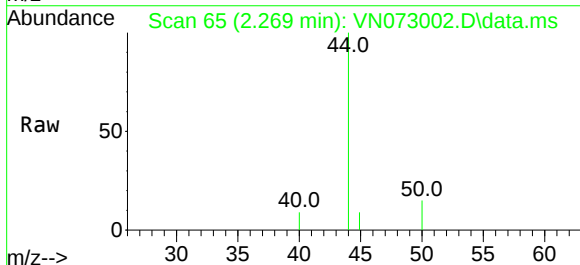
Instrument :
MSVOA_N
ClientSampleId :
MW-12

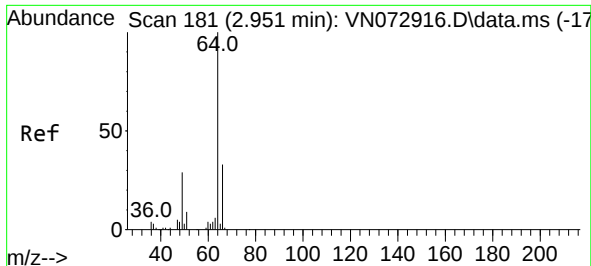
Tgt Ion:168 Resp: 288484
Ion Ratio Lower Upper
168 100
99 58.6 42.3 63.5



#3
Chloromethane
Concen: 0.738 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

Tgt Ion: 50 Resp: 505
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

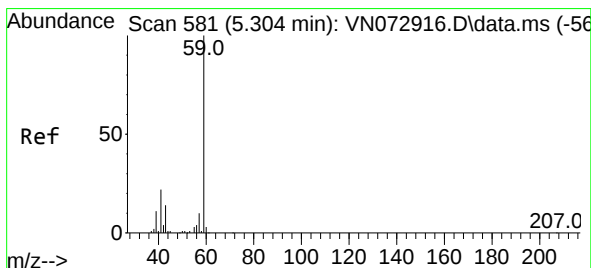
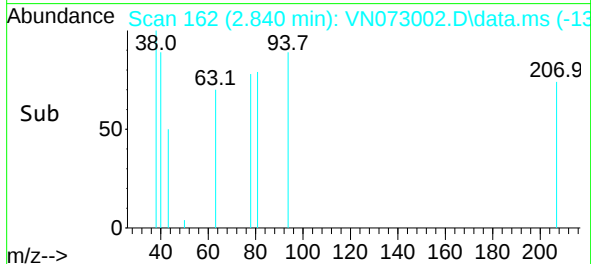
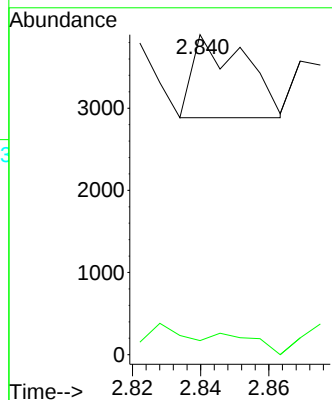
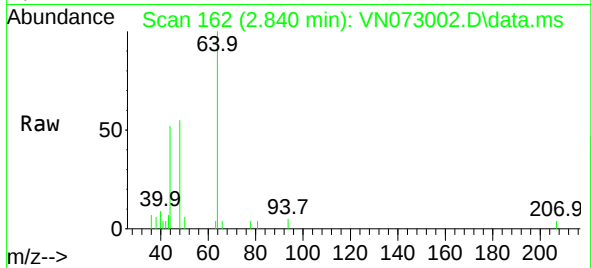




#6
Chloroethane
Concen: 0.698 ug/l
RT: 2.840 min Scan# 11
Delta R.T. -0.112 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

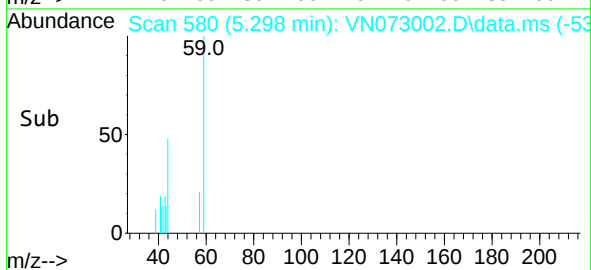
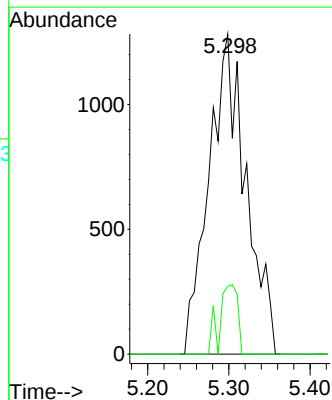
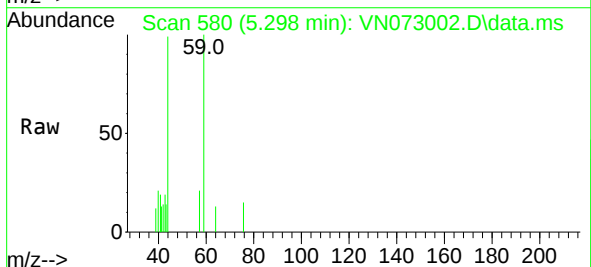
Instrument :
MSVOA_N
ClientSampleId :
MW-12

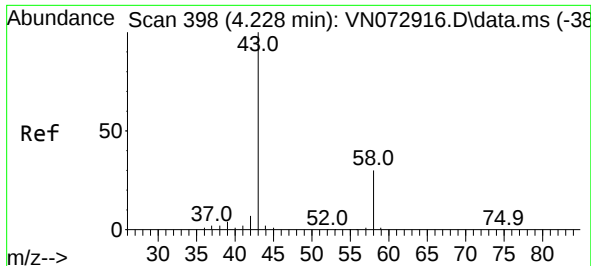
Tgt Ion: 64 Resp: 1075
Ion Ratio Lower Upper
64 100
66 17.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 4.025 ug/l
RT: 5.298 min Scan# 580
Delta R.T. -0.006 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

Tgt Ion: 59 Resp: 4055
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5





#16

Acetone

Concen: 26.856 ug/l

RT: 4.234 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN073002.D

Acq: 22 Jun 2022 04:28

Instrument :

MSVOA_N

ClientSampleId :

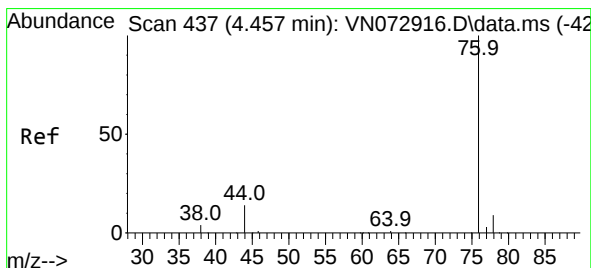
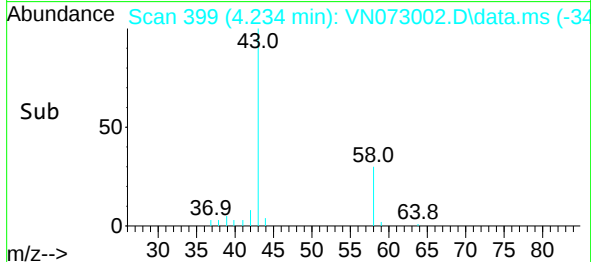
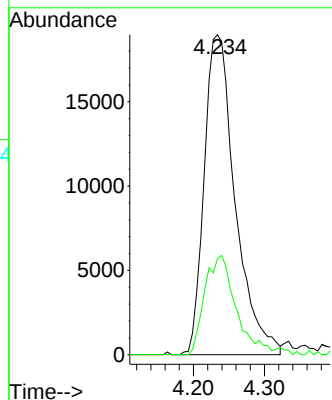
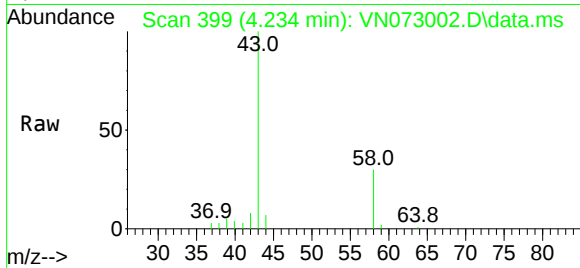
MW-12

Tgt Ion: 43 Resp: 57578

Ion Ratio Lower Upper

43 100

58 30.1 26.0 39.0



#17

Carbon Disulfide

Concen: 0.227 ug/l

RT: 4.457 min Scan# 437

Delta R.T. 0.000 min

Lab File: VN073002.D

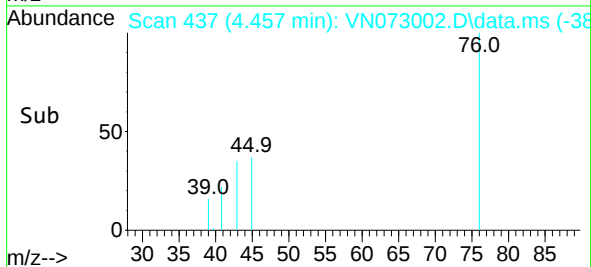
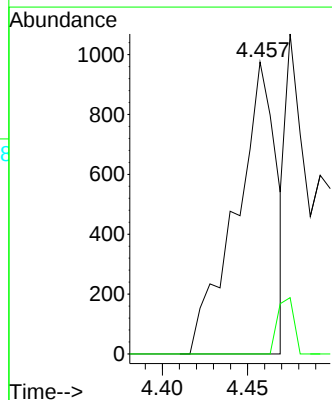
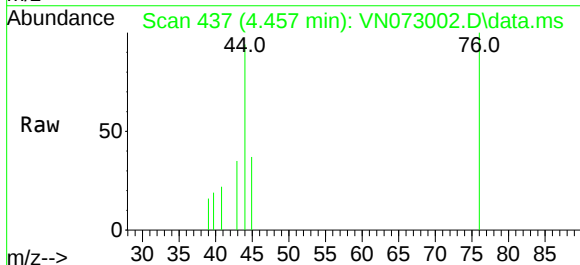
Acq: 22 Jun 2022 04:28

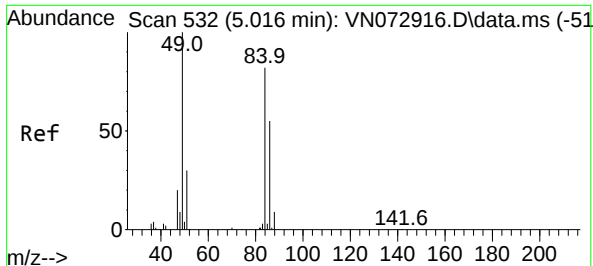
Tgt Ion: 76 Resp: 1604

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

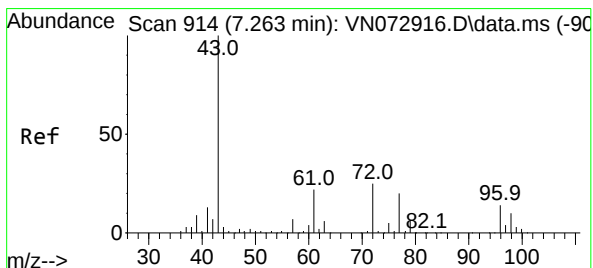
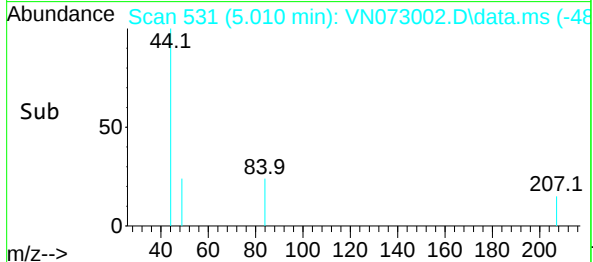
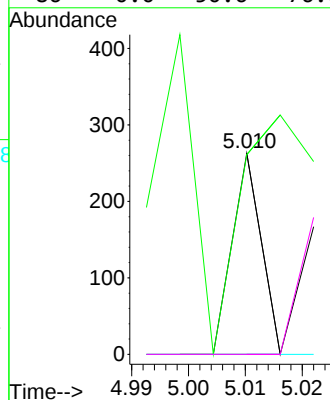
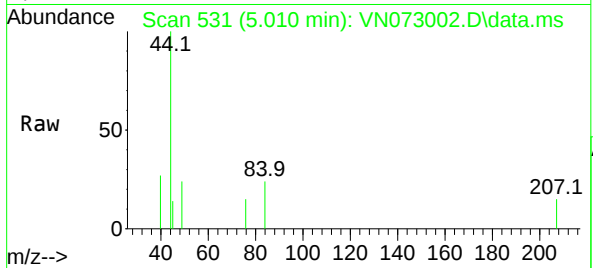




#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

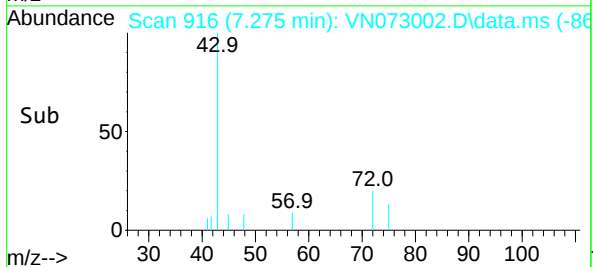
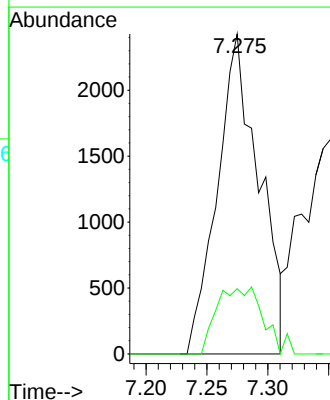
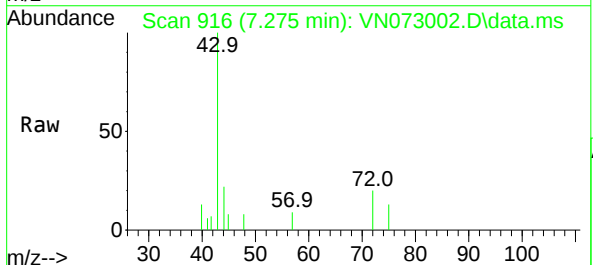
Instrument :
MSVOA_N
ClientSampleId :
MW-12

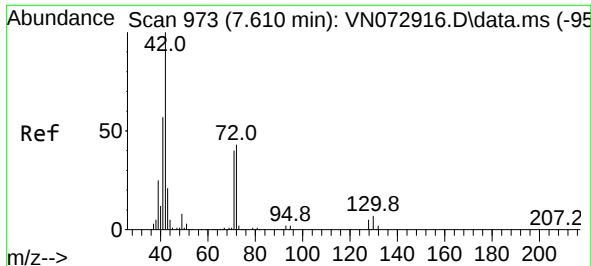
Tgt Ion:	84	Resp:	93
Ion	Ratio	Lower	Upper
84	100		
49	0.0	88.3	132.5#
51	0.0	28.2	42.2#
86	0.0	50.6	76.0#



#25
2-Butanone
Concen: 1.699 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.012 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

Tgt Ion:	43	Resp:	5780
Ion	Ratio	Lower	Upper
43	100		
72	20.4	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.840 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN073002.D

Acq: 22 Jun 2022 04:28

Instrument :

MSVOA_N

ClientSampleId :

MW-12

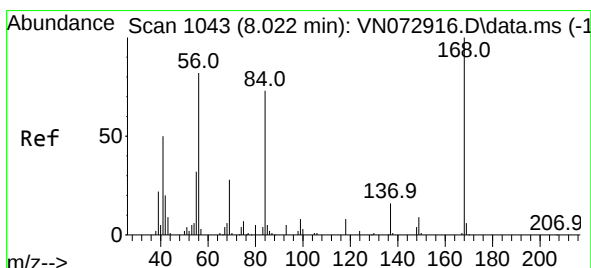
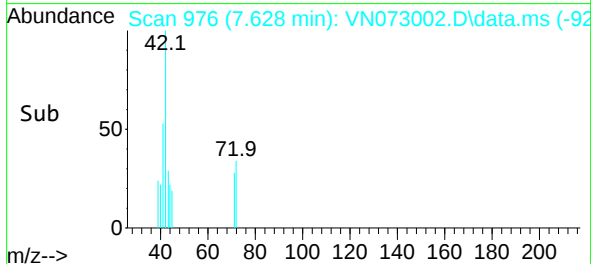
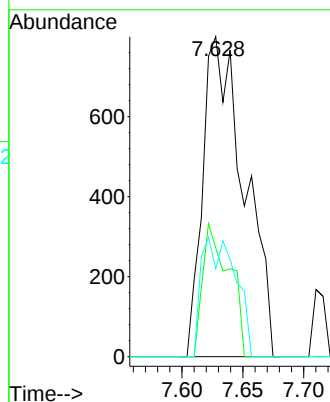
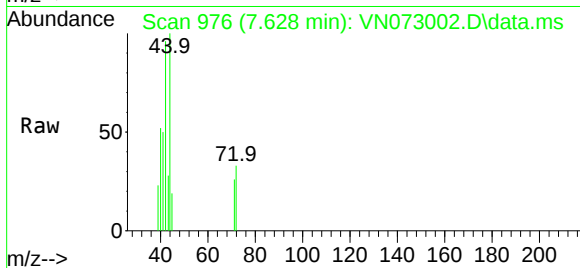
Tgt Ion: 42 Resp: 1888

Ion Ratio Lower Upper

42 100

72 26.6 39.7 59.5#

71 30.8 36.6 55.0#



#31

Cyclohexane

Concen: 1.558 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073002.D

Acq: 22 Jun 2022 04:28

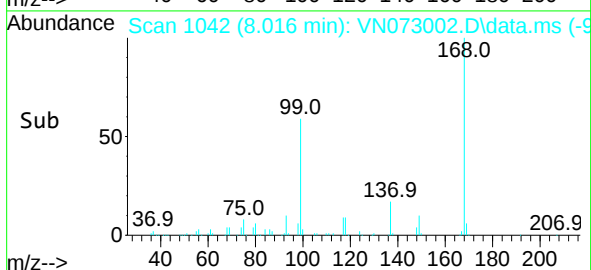
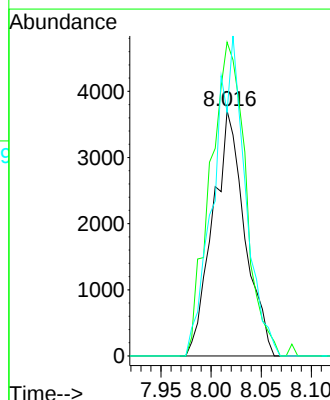
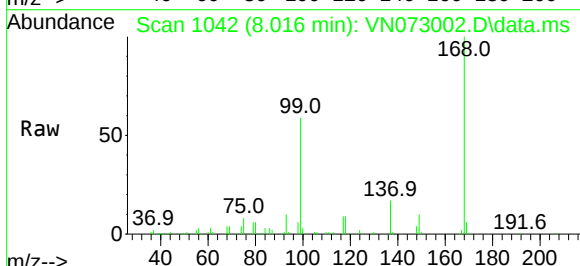
Tgt Ion: 56 Resp: 8222

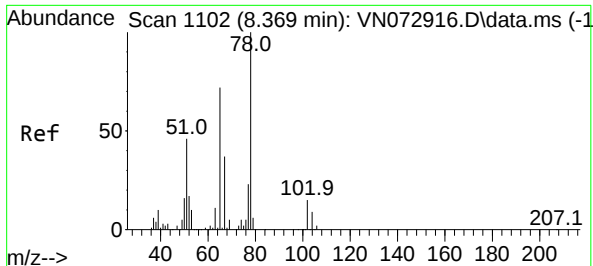
Ion Ratio Lower Upper

56 100

69 127.9 27.8 41.8#

84 99.3 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 44.670 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073002.D

Acq: 22 Jun 2022 04:28

Instrument :

MSVOA_N

ClientSampleId :

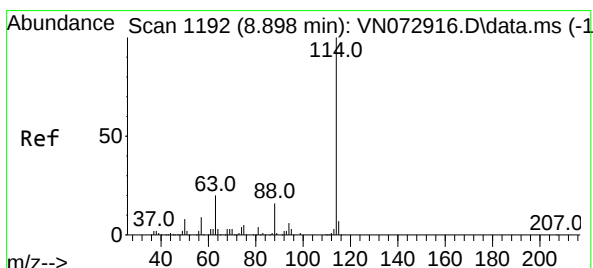
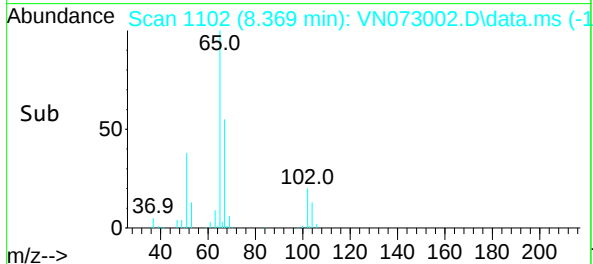
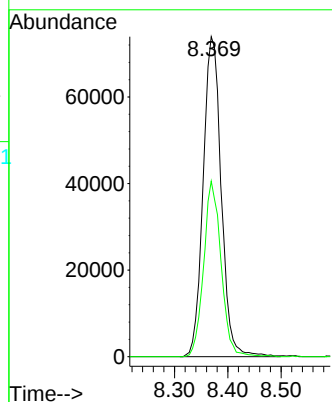
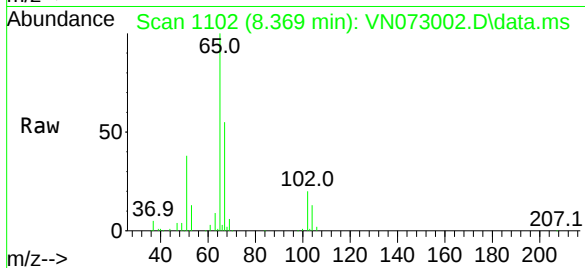
MW-12

Tgt Ion: 65 Resp: 174223

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# 1193

Delta R.T. 0.006 min

Lab File: VN073002.D

Acq: 22 Jun 2022 04:28

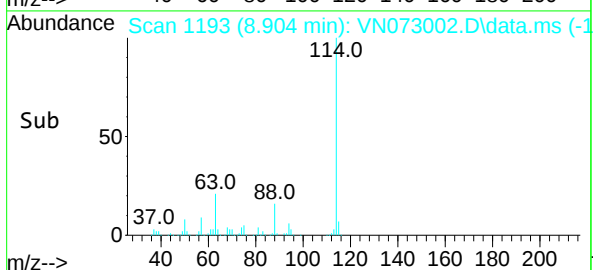
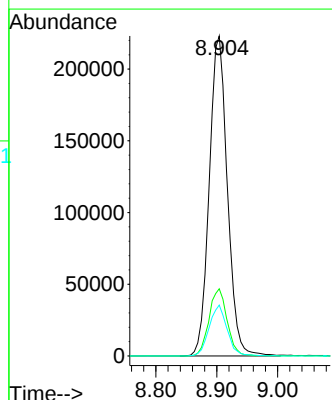
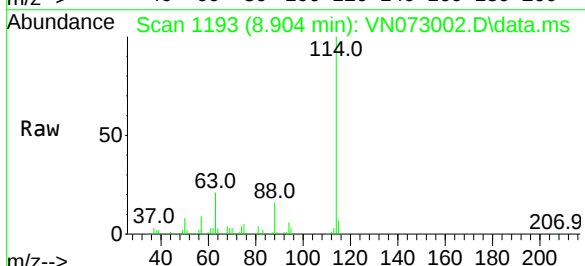
Tgt Ion: 114 Resp: 461286

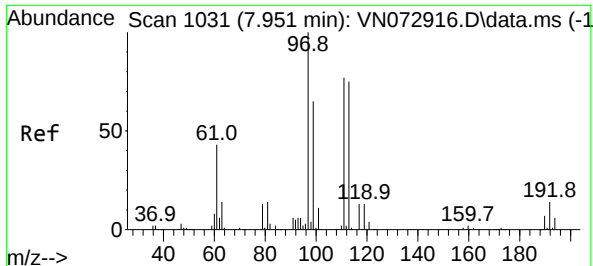
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.0

88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.268 ug/l

RT: 7.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073002.D

Acq: 22 Jun 2022 04:28

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MW-12

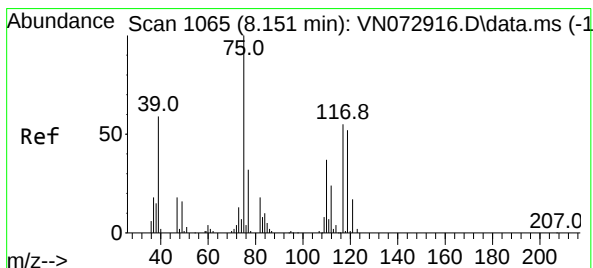
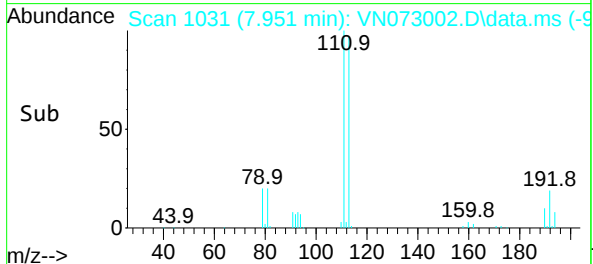
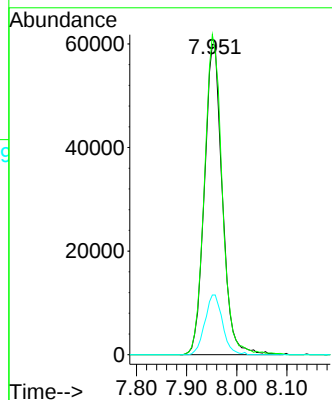
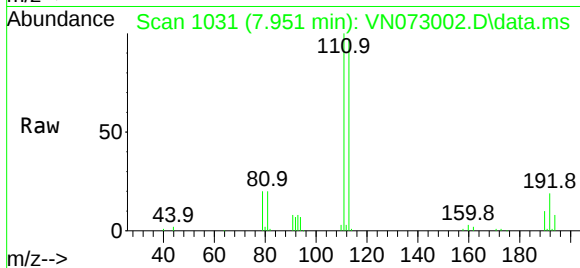
Tgt Ion:113 Resp: 149026

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 18.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 6.025 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073002.D

Acq: 22 Jun 2022 04:28

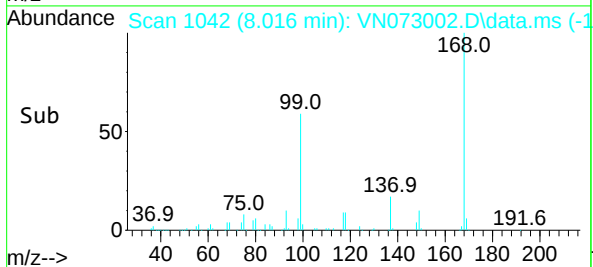
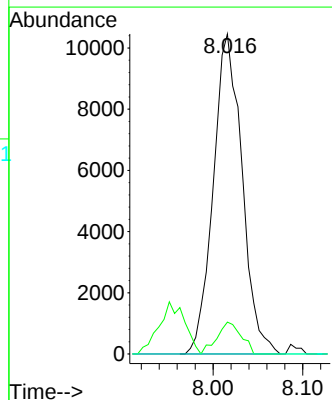
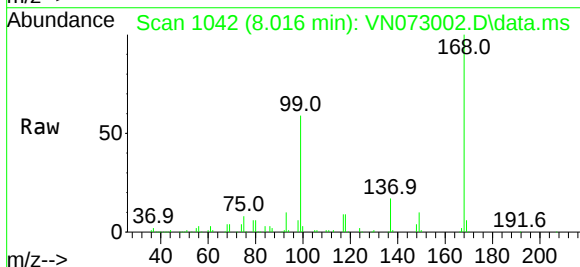
Tgt Ion: 75 Resp: 23246

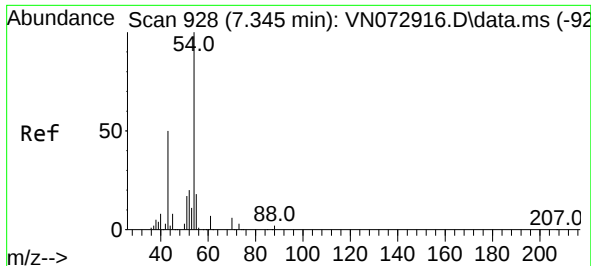
Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.8#

77 0.0 25.1 37.7#

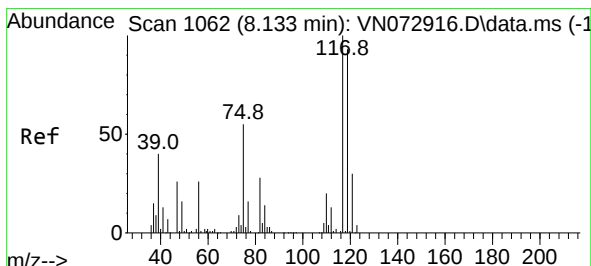
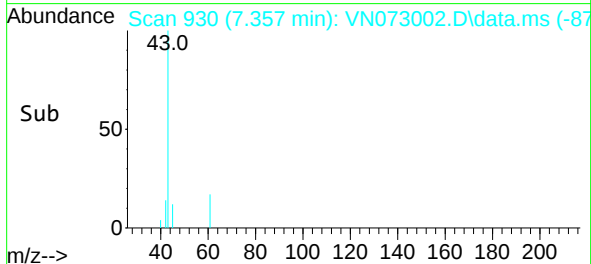
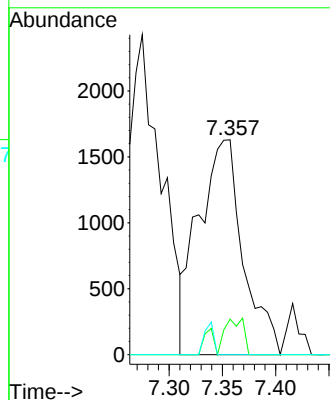
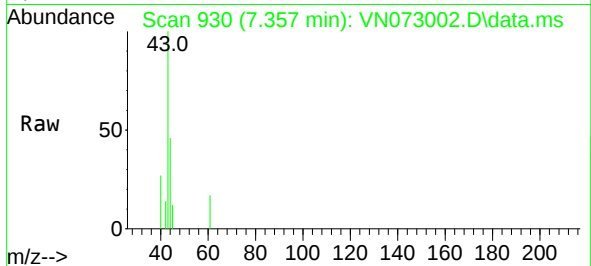




#37
Ethyl Acetate
Concen: 0.768 ug/l
RT: 7.357 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

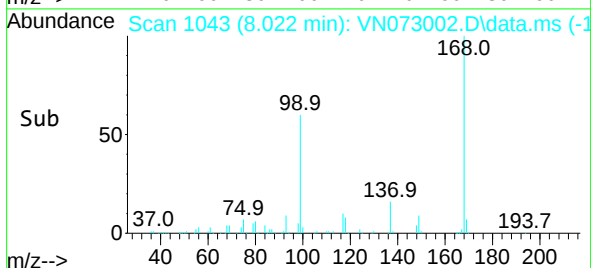
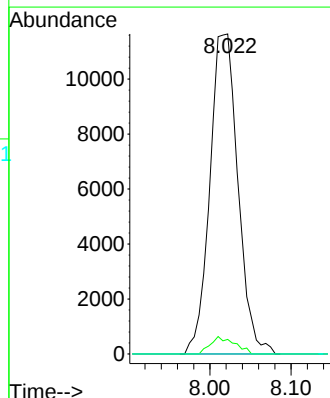
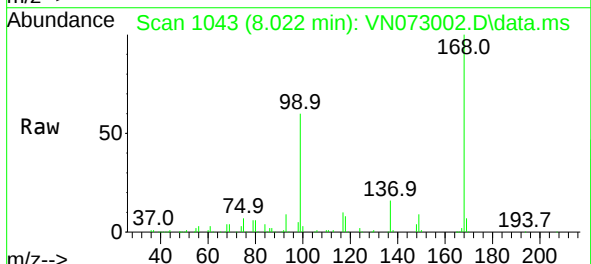
Instrument :
MSVOA_N
ClientSampleId :
MW-12

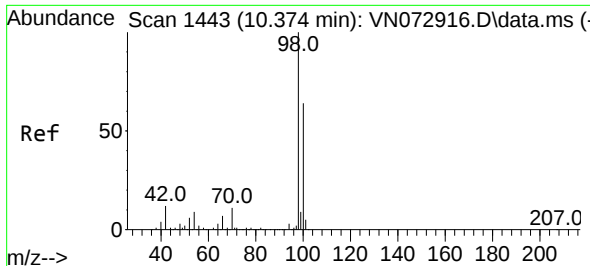
Tgt Ion: 43 Resp: 4742
Ion Ratio Lower Upper
43 100
61 7.1 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.905 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

Tgt Ion: 117 Resp: 28021
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 24.6 37.0#

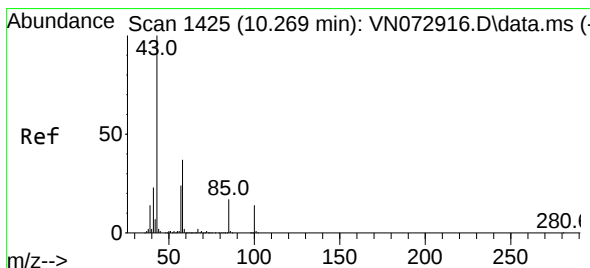
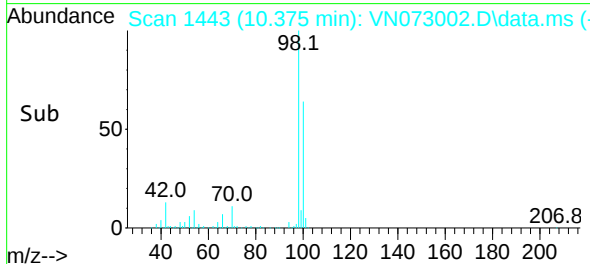
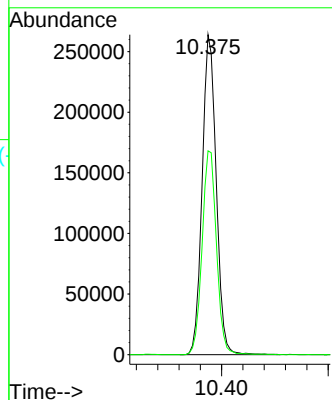
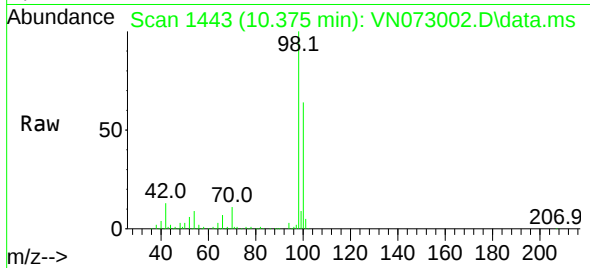




#50
Toluene-d8
Concen: 45.453 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

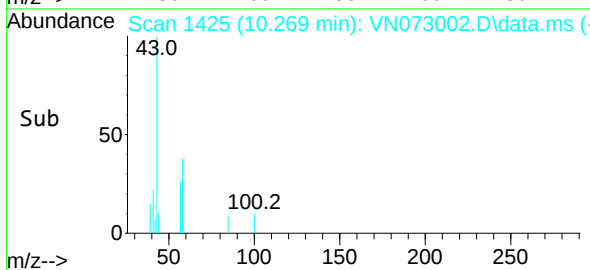
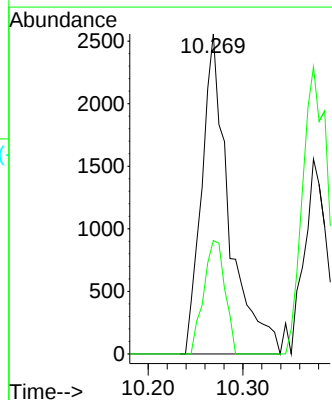
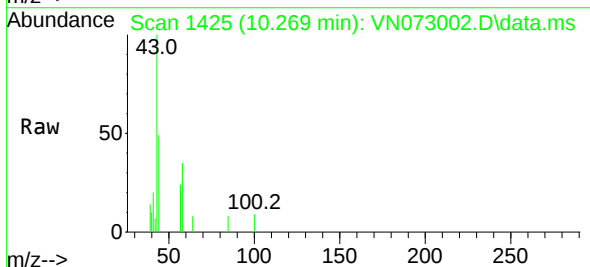
Instrument :
MSVOA_N
ClientSampleId :
MW-12

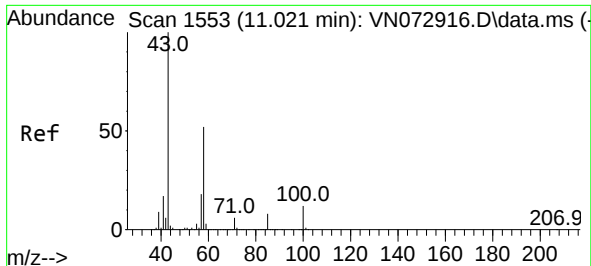
Tgt Ion: 98 Resp: 482227
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.892 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

Tgt Ion: 43 Resp: 5130
Ion Ratio Lower Upper
43 100
58 27.5 34.1 51.1#

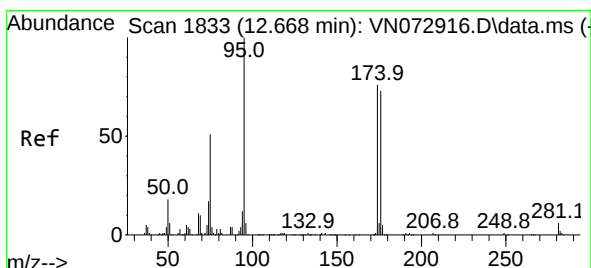
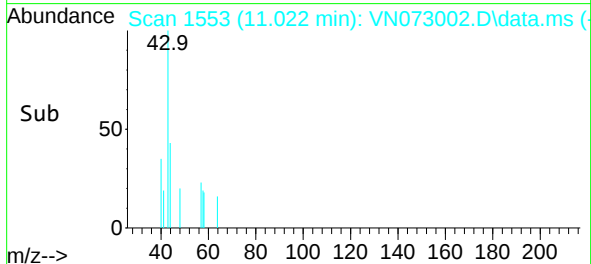
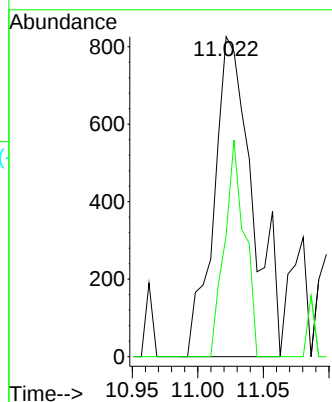
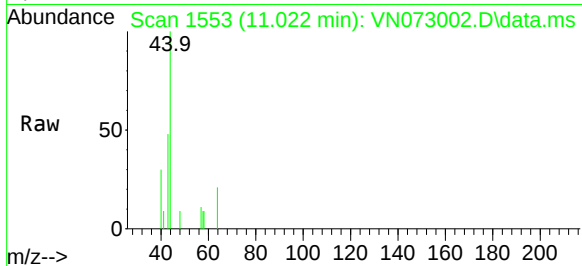




#59
2-Hexanone
Concen: 0.377 ug/l
RT: 11.022 min Scan# 1153
Delta R.T. 0.000 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

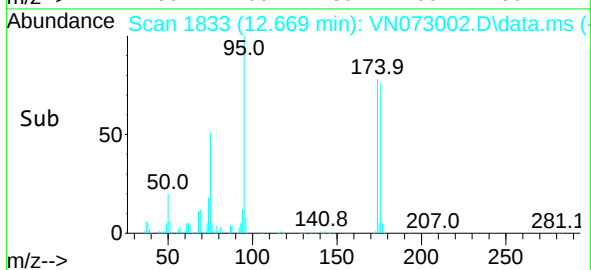
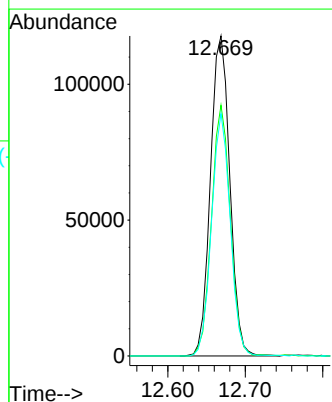
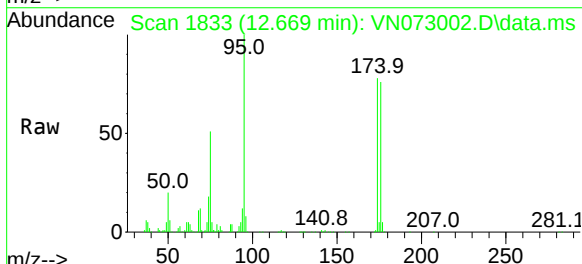
Instrument :
MSVOA_N
ClientSampleId :
MW-12

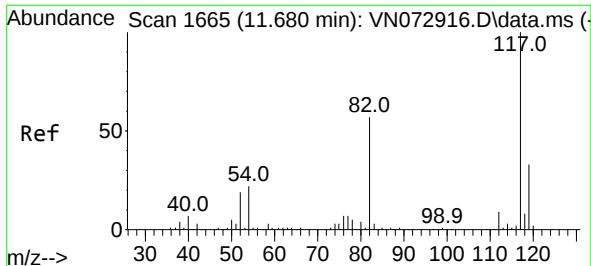
Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
58 35.4 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 53.651 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

Tgt Ion: 95 Resp: 204675
Ion Ratio Lower Upper
95 100
174 76.2 0.0 167.6
176 72.8 0.0 163.4

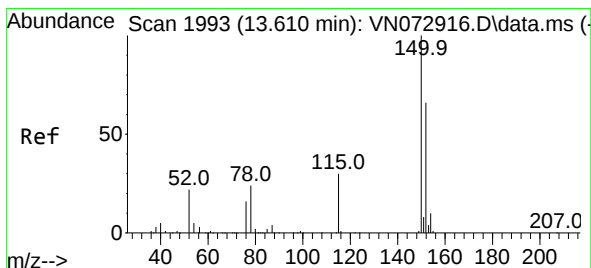
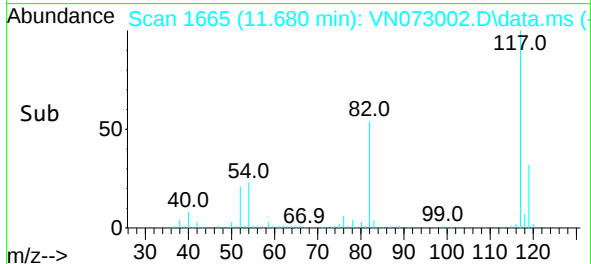
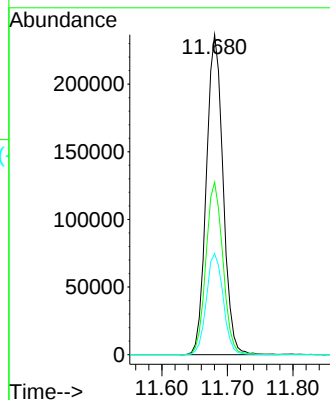
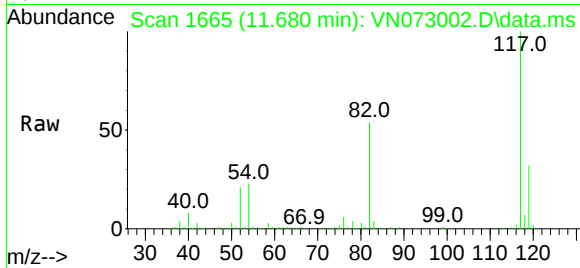




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

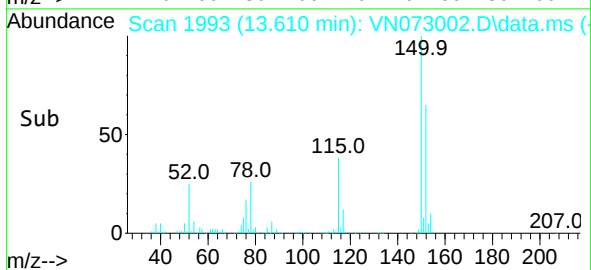
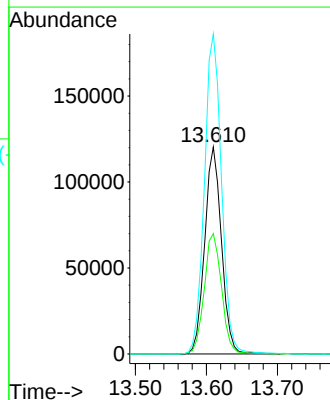
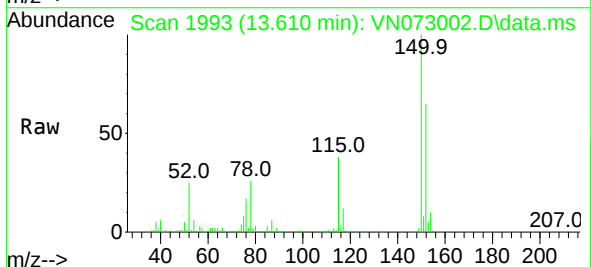
Instrument :
MSVOA_N
ClientSampleId :
MW-12

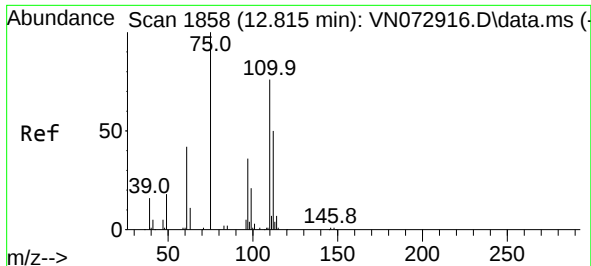
Tgt Ion:117 Resp: 419339
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

Tgt Ion:152 Resp: 198030
Ion Ratio Lower Upper
152 100
115 60.2 28.9 86.7
150 157.7 0.0 356.2

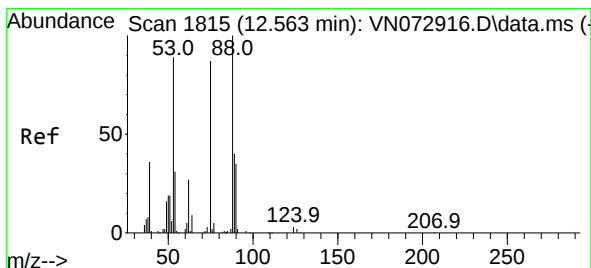
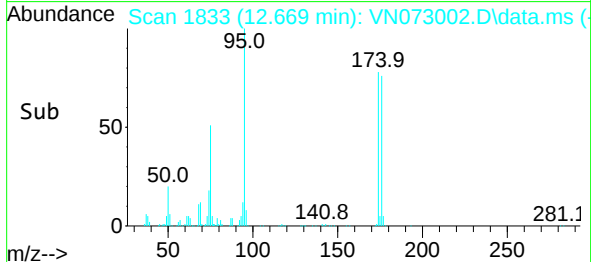
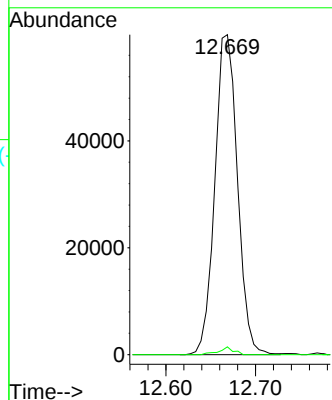
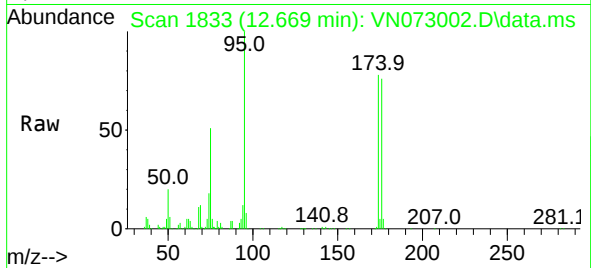




#76
1,2,3-Trichloropropane
Concen: 21.836 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

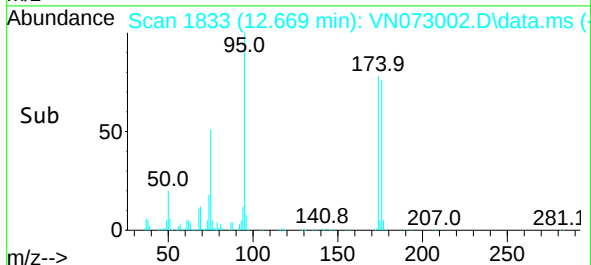
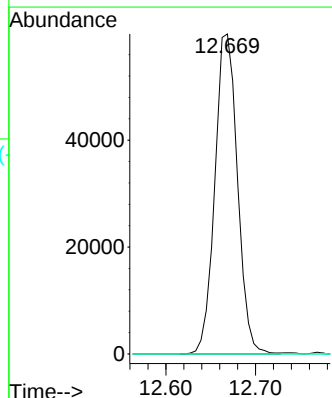
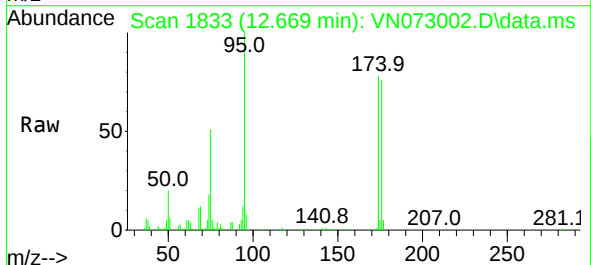
Instrument :
MSVOA_N
ClientSampleId :
MW-12

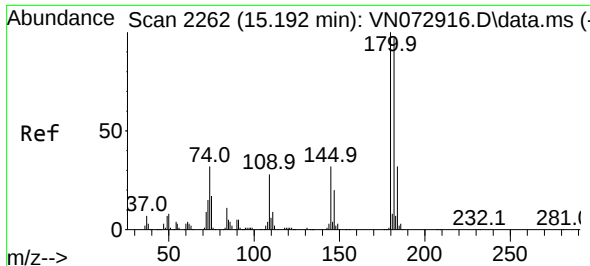
Tgt Ion: 75 Resp: 104840
Ion Ratio Lower Upper
75 100
77 1.6 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.971 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

Tgt Ion: 75 Resp: 104840
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

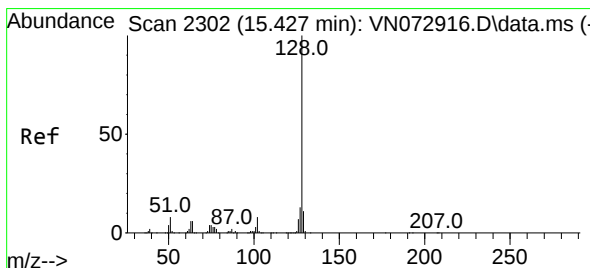
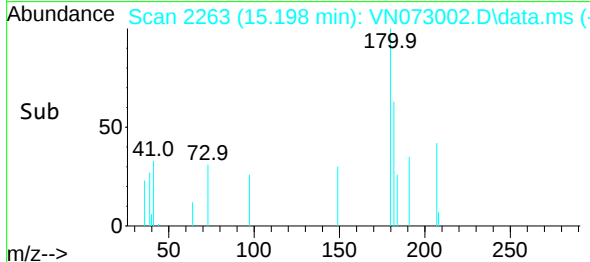
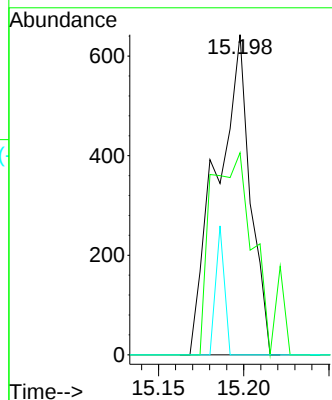
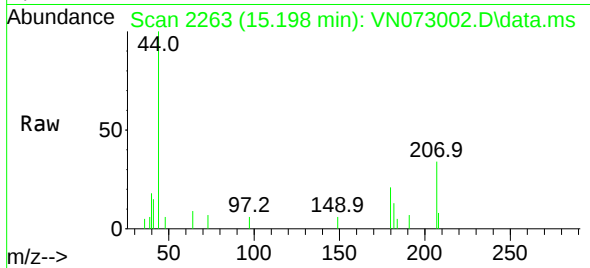




#93
1,2,4-Trichlorobenzene
Concen: 0.232 ug/l
RT: 15.198 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

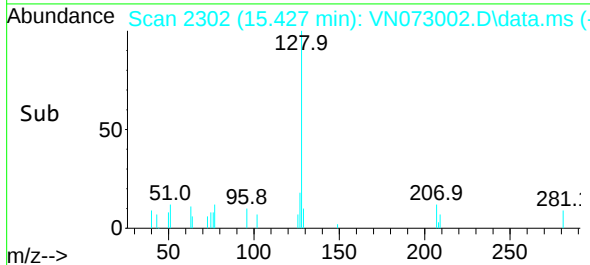
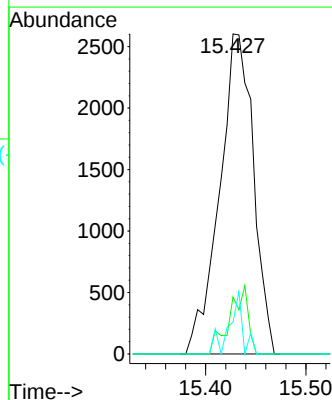
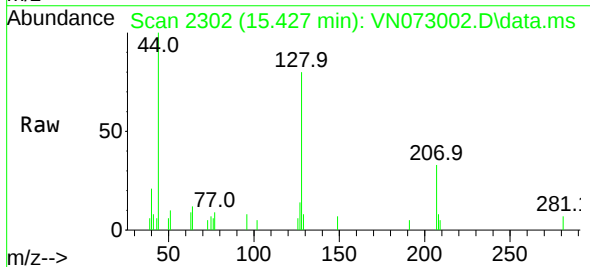
Instrument :
MSVOA_N
ClientSampleId :
MW-12

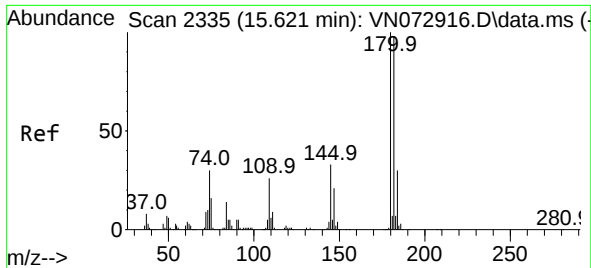
Tgt Ion:180 Resp: 879
Ion Ratio Lower Upper
180 100
182 84.1 47.5 142.5
145 10.4 14.5 43.5#



#95
Naphthalene
Concen: 0.399 ug/l
RT: 15.427 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN073002.D
Acq: 22 Jun 2022 04:28

Tgt Ion:128 Resp: 6106
Ion Ratio Lower Upper
128 100
127 11.7 10.3 15.5
129 7.9 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.257 ug/l
 RT: 15.615 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN073002.D
 Acq: 22 Jun 2022 04:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	31.8	15.5	46.5

