

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080322\
 Data File : VN073711.D
 Acq On : 03 Aug 2022 15:00
 Operator : JC\MD
 Sample : N3971-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

Quant Time: Aug 04 05:34:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

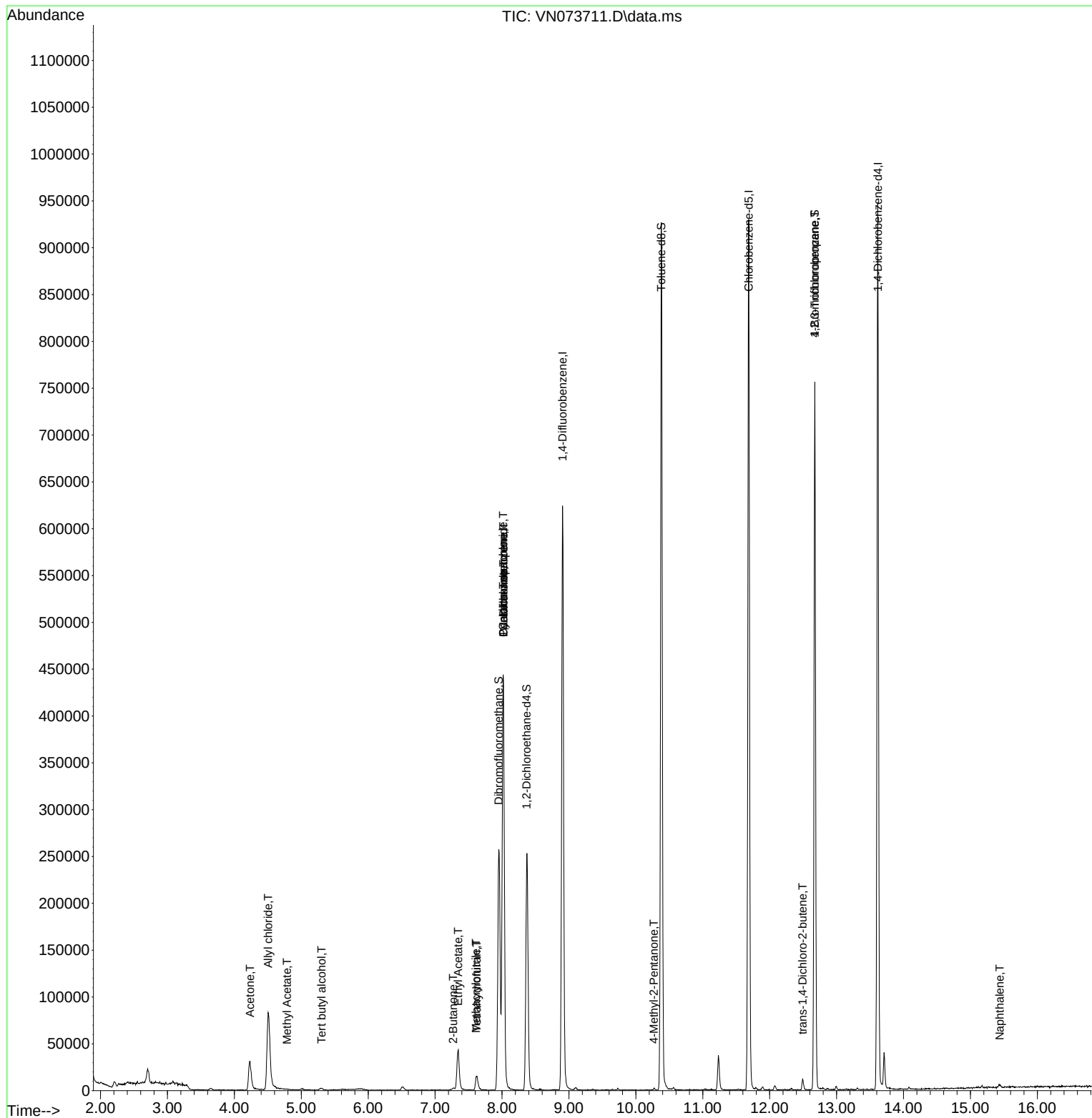
Internal Standards						
1) Pentafluorobenzene	8.022	168	360730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	569981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	556331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	260557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	212162	48.262	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.520%
35) Dibromofluoromethane	7.951	113	194936	54.465	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.920%
50) Toluene-d8	10.381	98	647370	45.964	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.920%
62) 4-Bromofluorobenzene	12.675	95	241832	51.163	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1000	Below Cal	#	84
6) Chloroethane	2.969	64	196	Below Cal	#	64
11) Tert butyl alcohol	5.304	59	1870	1.972	ug/l #	82
14) Allyl chloride	4.504	41	15214	2.780	ug/l #	73
16) Acetone	4.234	43	58077	24.597	ug/l	99
18) Methyl Acetate	4.787	43	1793	0.305	ug/l #	56
20) Methylene Chloride	5.010	84	505	Below Cal	#	84
25) 2-Butanone	7.269	43	3371	0.919	ug/l	99
29) Tetrahydrofuran	7.622	42	10969	4.731	ug/l	96
31) Cyclohexane	8.022	56	7494	1.145	ug/l #	32
36) 1,1-Dichloropropene	8.022	75	26725	5.239	ug/l #	48
37) Ethyl Acetate	7.345	43	66149	9.847	ug/l	99
38) Carbon Tetrachloride	8.016	117	34812	6.719	ug/l #	17
41) Methacrylonitrile	7.610	41	7303	2.402	ug/l #	38
51) 4-Methyl-2-Pentanone	10.269	43	1534	0.236	ug/l	89
76) 1,2,3-Trichloropropane	12.675	75	124910	24.527	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.492	75	6402	3.184	ug/l #	10
95) Naphthalene	15.439	128	4361	0.295	ug/l #	73

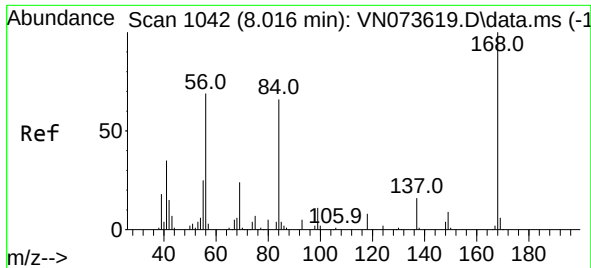
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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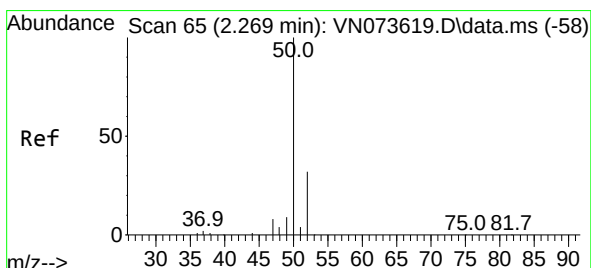
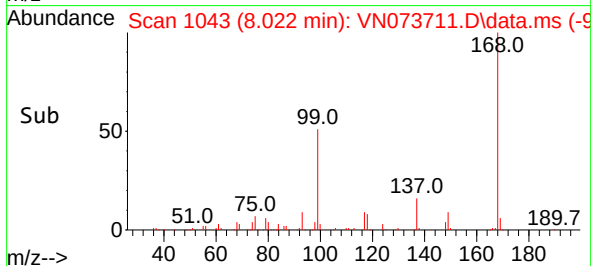
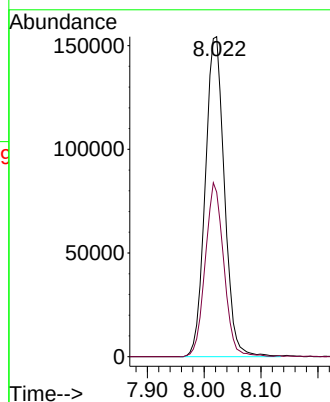
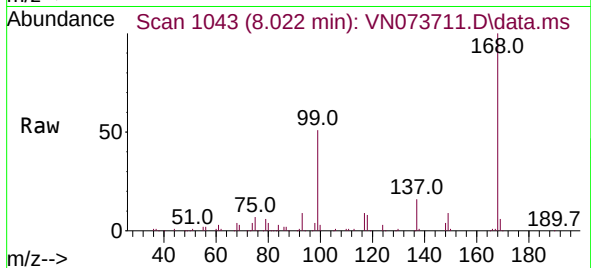




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

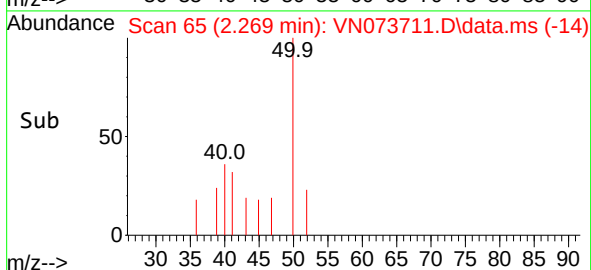
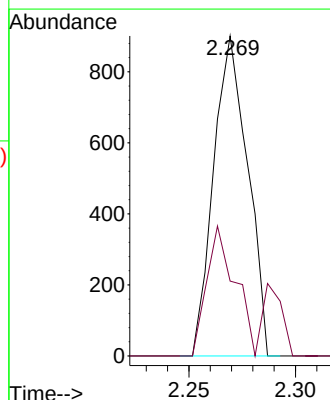
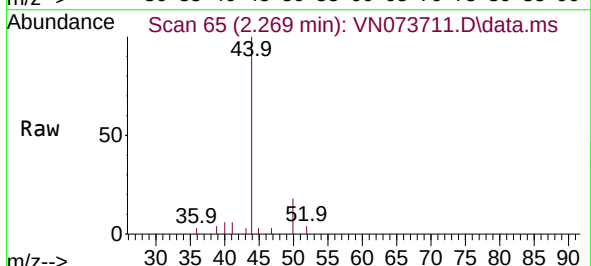
Instrument :
MSVOA_N
ClientSampleId :
MW-15

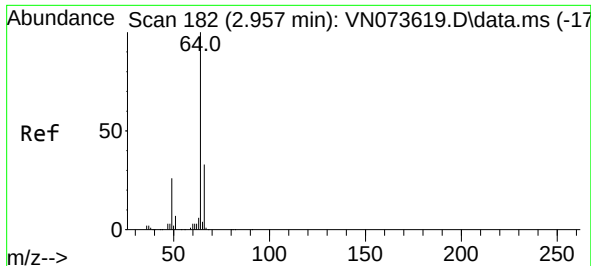
Tgt Ion:168 Resp: 360730
Ion Ratio Lower Upper
168 100
99 51.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

Tgt Ion: 50 Resp: 1000
Ion Ratio Lower Upper
50 100
52 23.4 25.7 38.5#

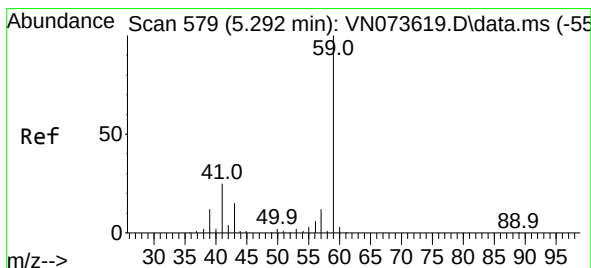
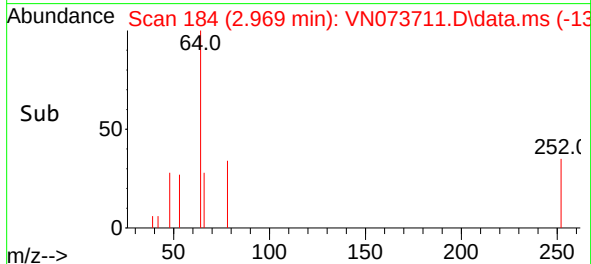
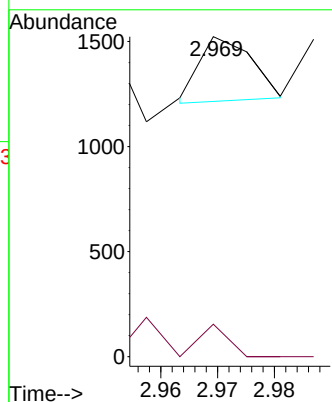
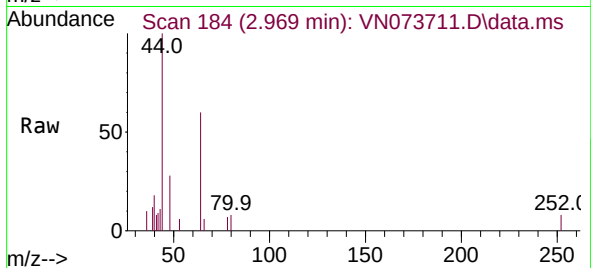




#6
Chloroethane
Concen: Below Cal
RT: 2.969 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

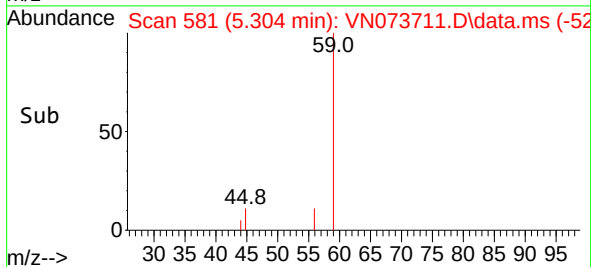
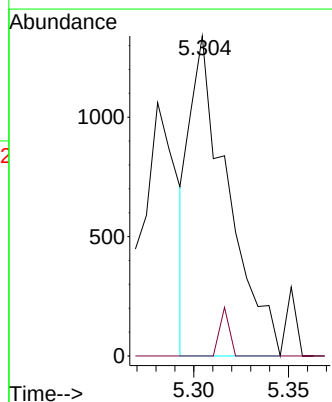
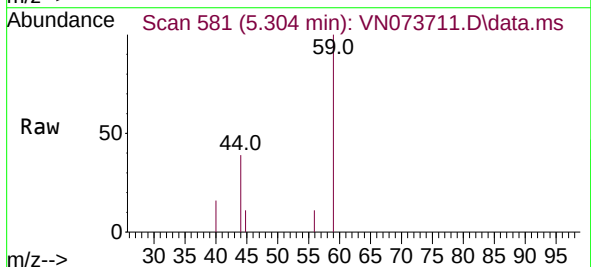
Instrument :
MSVOA_N
ClientSampleId :
MW-15

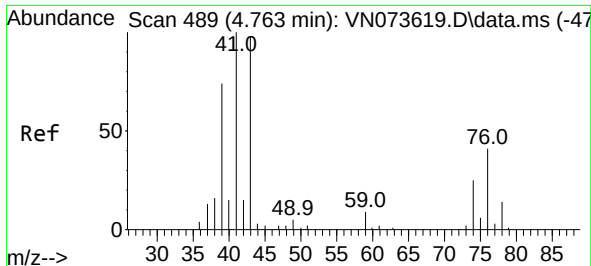
Tgt Ion: 64 Resp: 196
Ion Ratio Lower Upper
64 100
66 52.9 26.2 39.4#



#11
Tert butyl alcohol
Concen: 1.972 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.012 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

Tgt Ion: 59 Resp: 1870
Ion Ratio Lower Upper
59 100
57 3.9 8.3 12.5#

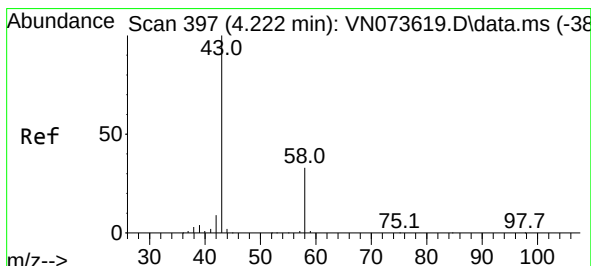
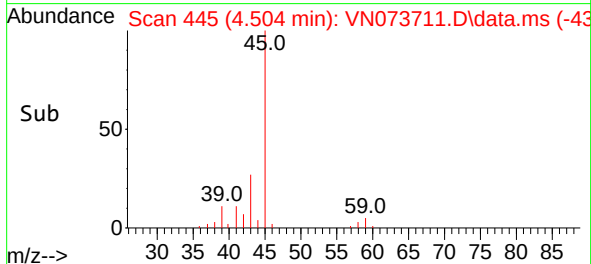
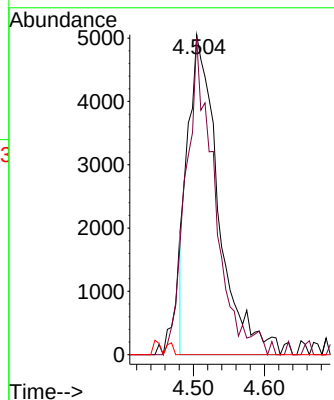
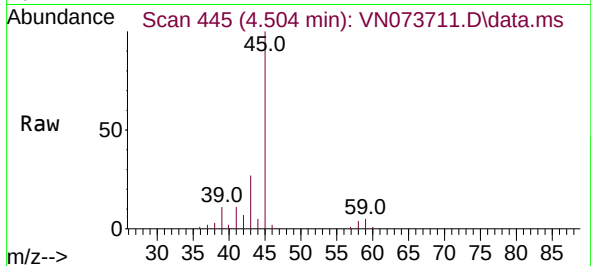




#14
 Allyl chloride
 Concen: 2.780 ug/l
 RT: 4.504 min Scan# 445
 Delta R.T. -0.259 min
 Lab File: VN073711.D
 Acq: 03 Aug 2022 15:00

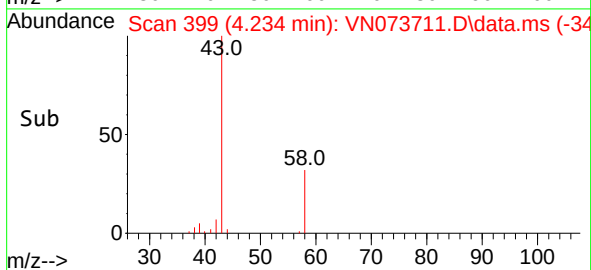
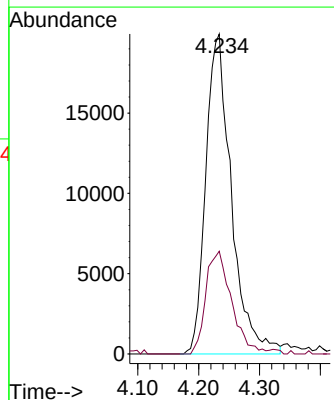
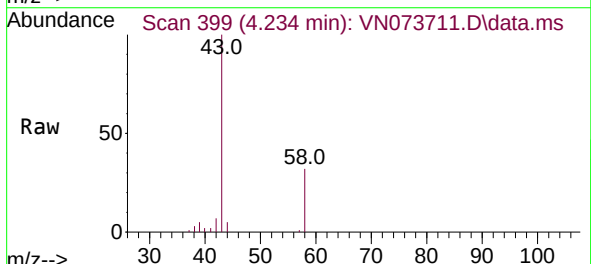
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

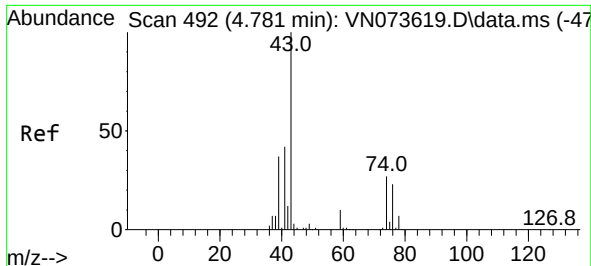
Tgt Ion: 41 Resp: 15214
 Ion Ratio Lower Upper
 41 100
 39 72.0 53.2 79.8
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 24.597 ug/l
 RT: 4.234 min Scan# 399
 Delta R.T. 0.012 min
 Lab File: VN073711.D
 Acq: 03 Aug 2022 15:00

Tgt Ion: 43 Resp: 58077
 Ion Ratio Lower Upper
 43 100
 58 32.1 26.0 39.0





#18

Methyl Acetate

Concen: 0.305 ug/l

RT: 4.787 min Scan# 492

Delta R.T. 0.006 min

Lab File: VN073711.D

Acq: 03 Aug 2022 15:00

Instrument :

MSVOA_N

ClientSampleId :

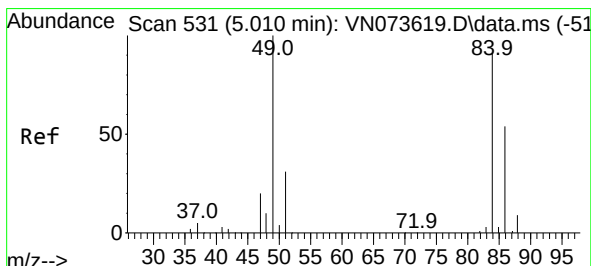
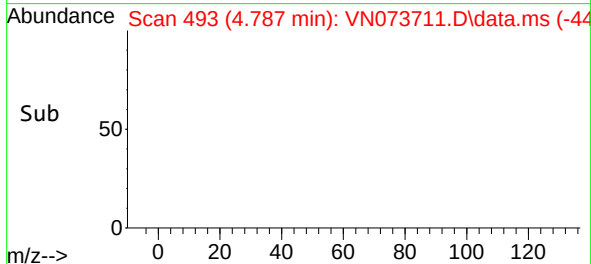
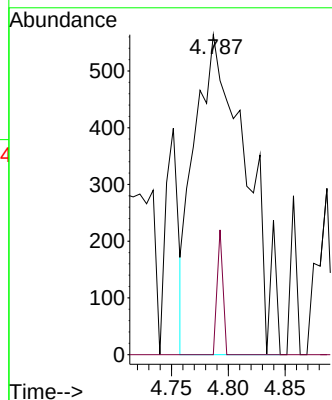
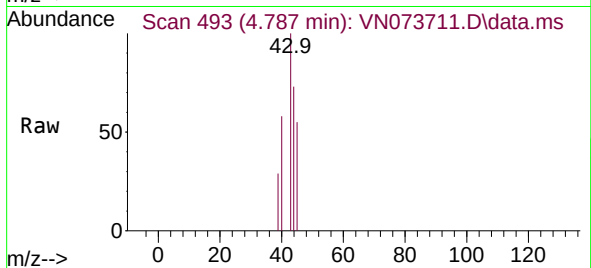
MW-15

Tgt Ion: 43 Resp: 1793

Ion Ratio Lower Upper

43 100

74 4.4 21.6 32.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.010 min Scan# 531

Delta R.T. 0.000 min

Lab File: VN073711.D

Acq: 03 Aug 2022 15:00

Tgt Ion: 84 Resp: 505

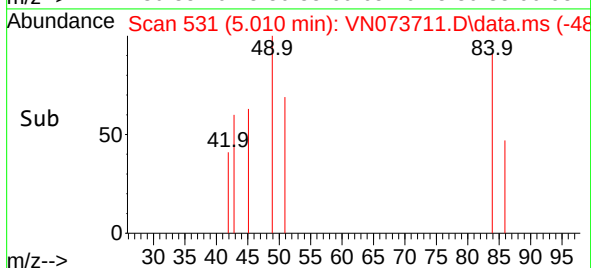
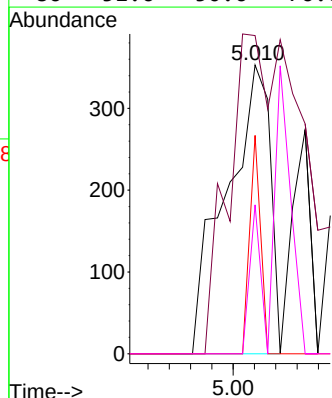
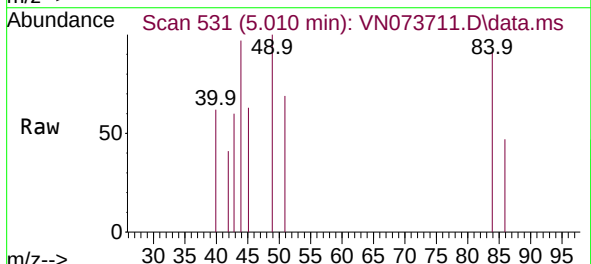
Ion Ratio Lower Upper

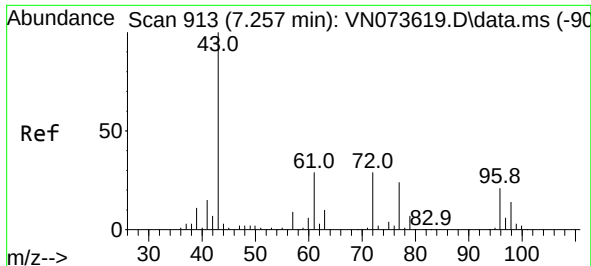
84 100

49 110.2 88.3 132.5

51 75.6 28.2 42.2#

86 51.6 50.6 76.0

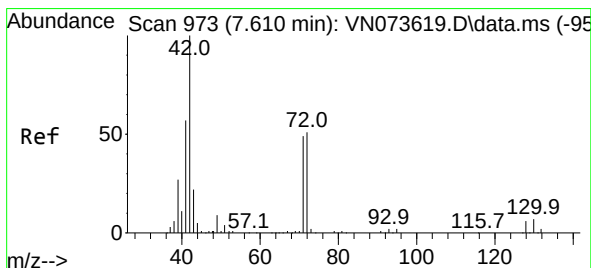
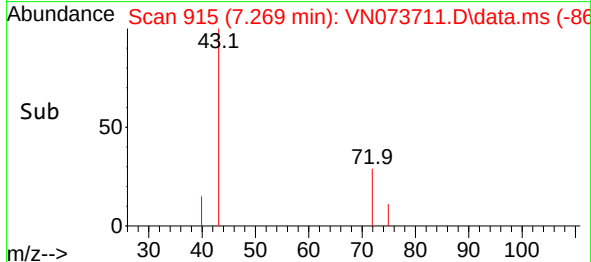
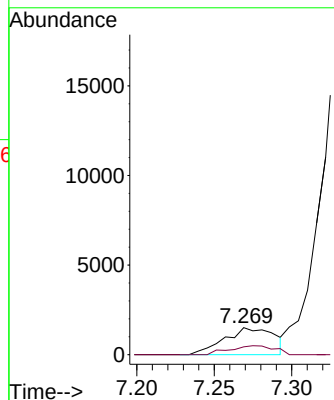
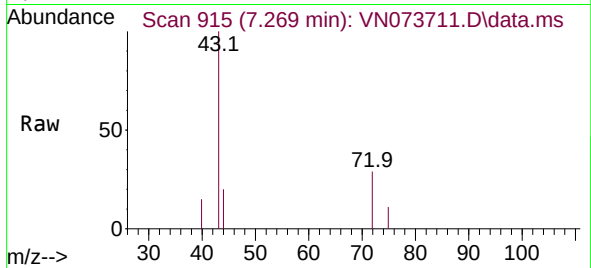




#25
2-Butanone
Concen: 0.919 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

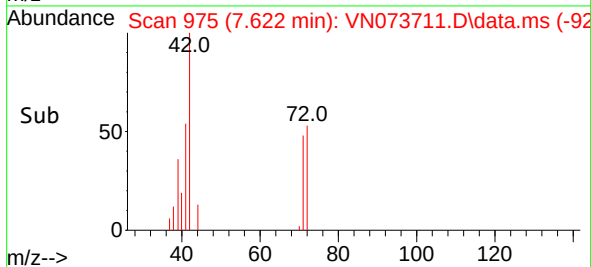
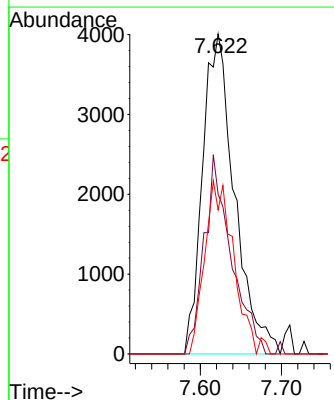
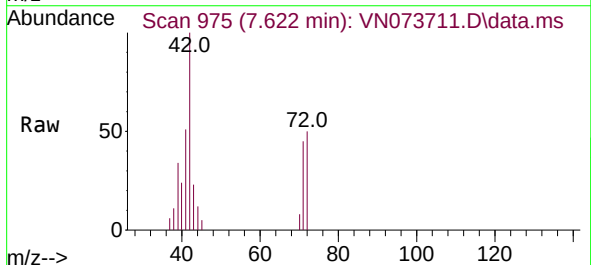
Instrument :
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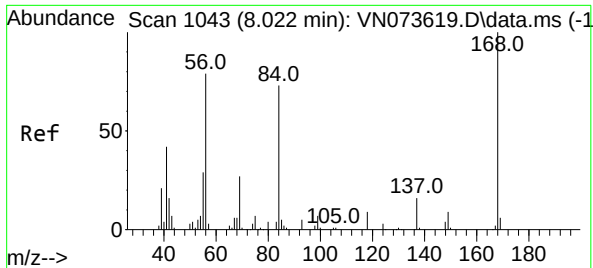
Tgt Ion: 43 Resp: 3371
Ion Ratio Lower Upper
43 100
72 29.2 23.7 35.5



#29
Tetrahydrofuran
Concen: 4.731 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.012 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

Tgt Ion: 42 Resp: 10969
Ion Ratio Lower Upper
42 100
72 52.7 39.7 59.5
71 48.1 36.6 55.0

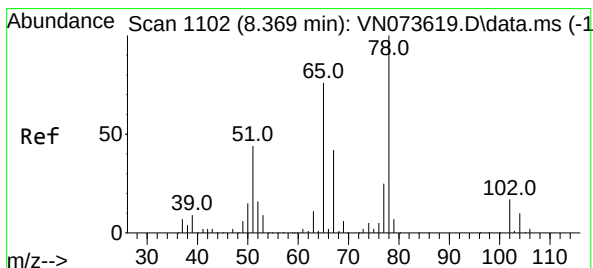
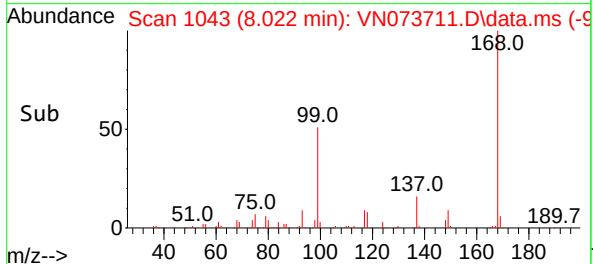
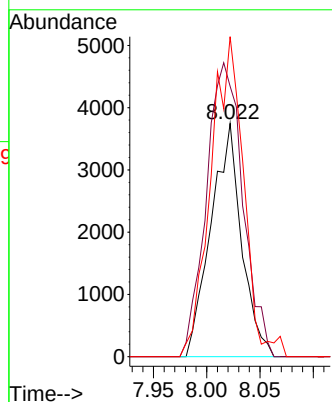
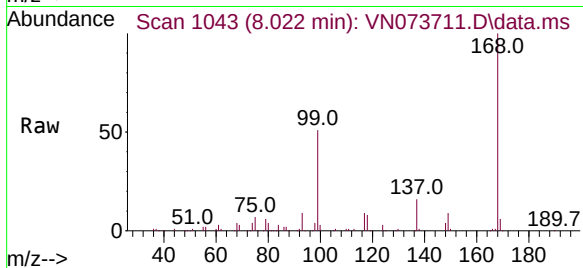




#31
Cyclohexane
Concen: 1.145 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

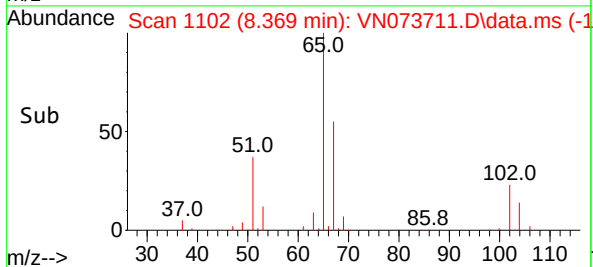
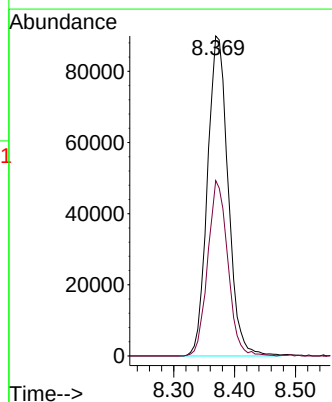
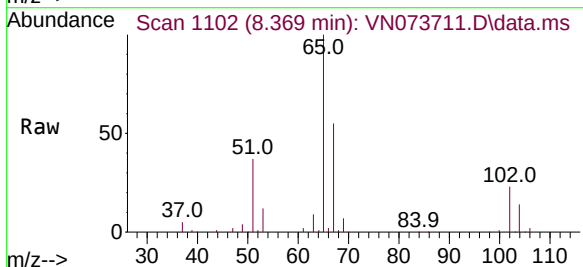
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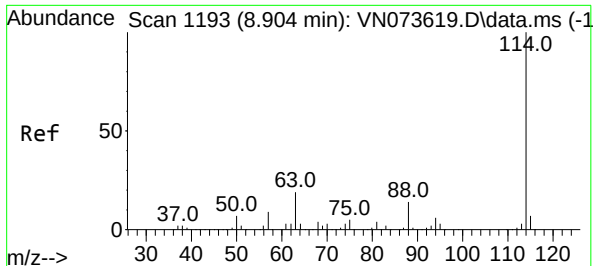
Tgt Ion: 56 Resp: 7494
Ion Ratio Lower Upper
56 100
69 115.9 27.8 41.8#
84 137.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.262 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

Tgt Ion: 65 Resp: 212162
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. 0.000 min

Lab File: VN073711.D

Acq: 03 Aug 2022 15:00

Instrument :

MSVOA_N

ClientSampleId :

MW-15

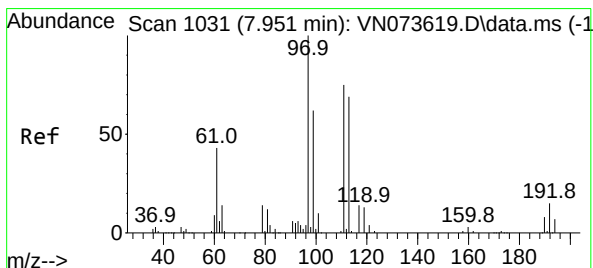
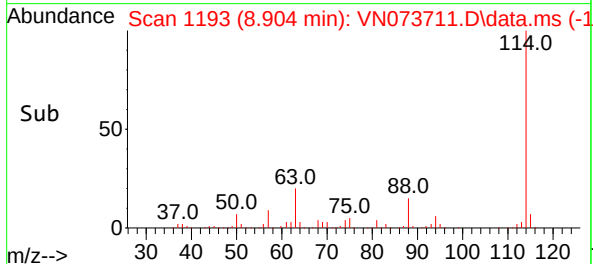
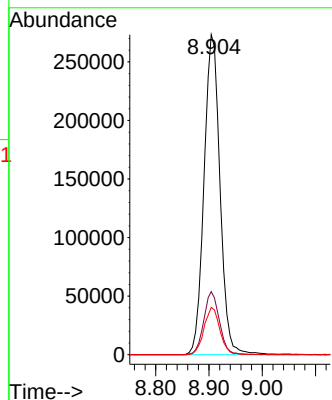
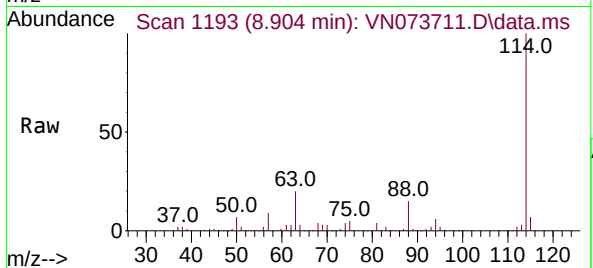
Tgt Ion:114 Resp: 569981

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 14.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.465 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073711.D

Acq: 03 Aug 2022 15:00

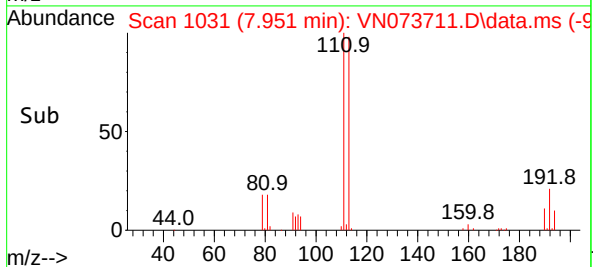
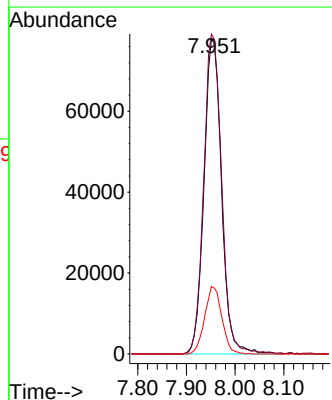
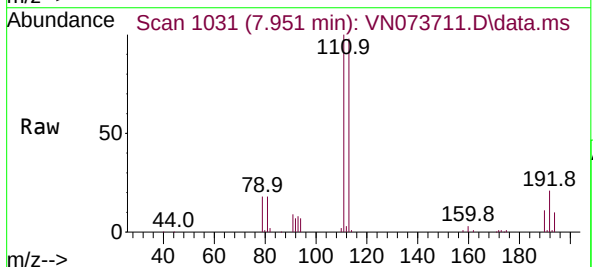
Tgt Ion:113 Resp: 194936

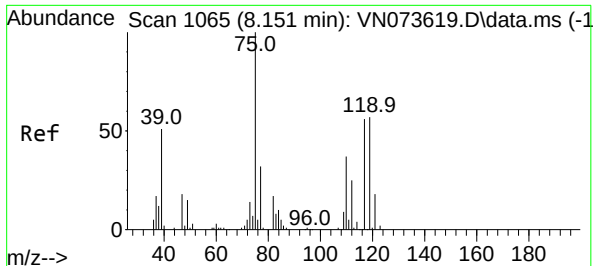
Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

192 20.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.239 ug/l

RT: 8.022 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN073711.D

Acq: 03 Aug 2022 15:00

Instrument :

MSVOA_N

ClientSampleId :

MW-15

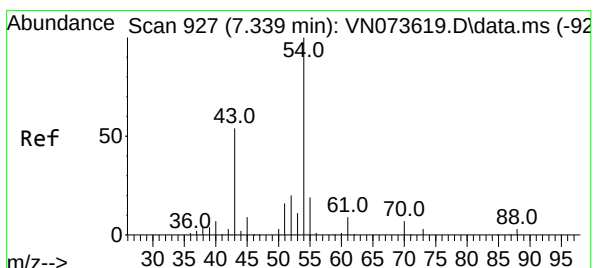
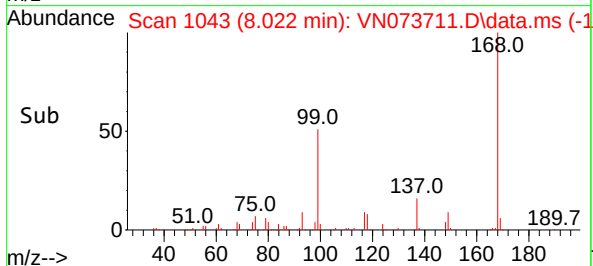
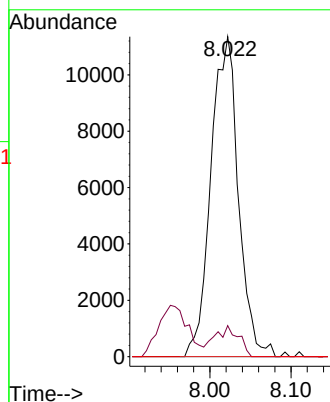
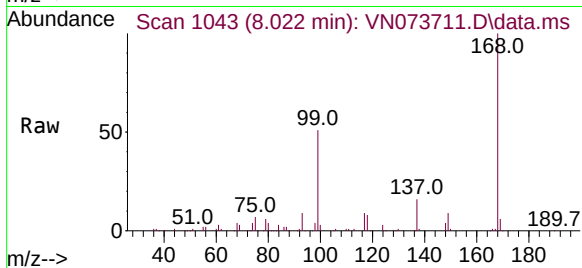
Tgt Ion: 75 Resp: 26725

Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 9.847 ug/l

RT: 7.345 min Scan# 928

Delta R.T. 0.006 min

Lab File: VN073711.D

Acq: 03 Aug 2022 15:00

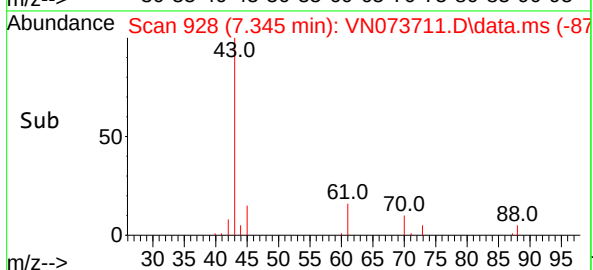
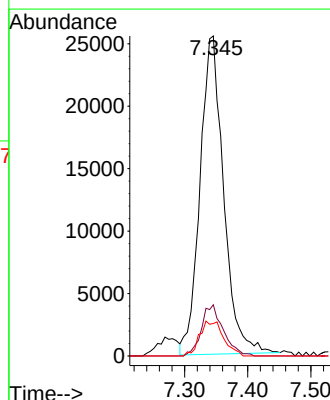
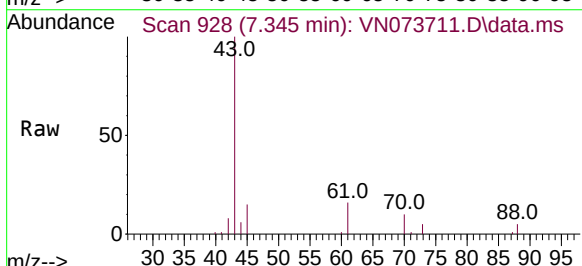
Tgt Ion: 43 Resp: 66149

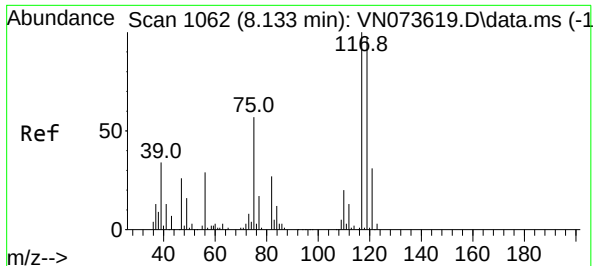
Ion Ratio Lower Upper

43 100

61 14.8 11.8 17.6

70 11.0 9.3 13.9

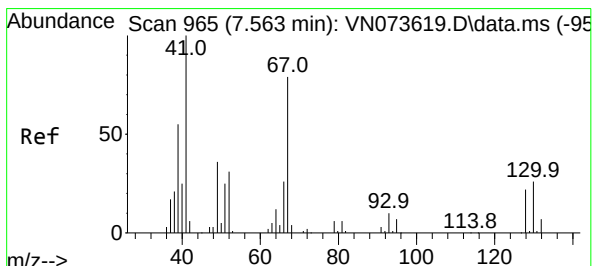
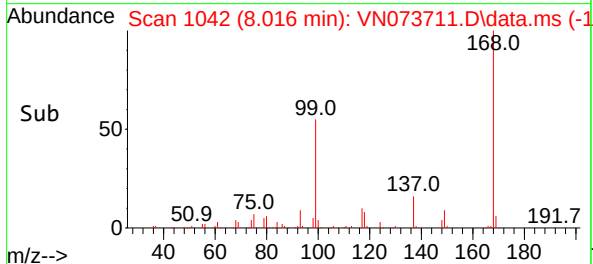
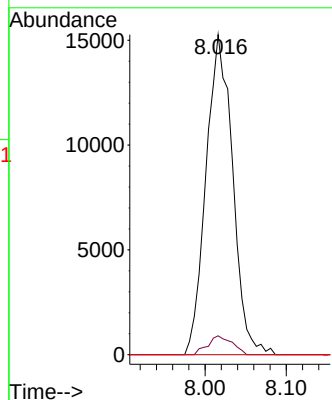
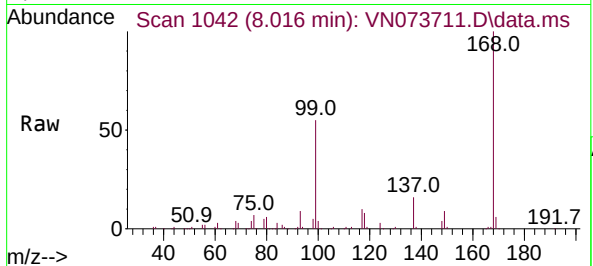




#38
Carbon Tetrachloride
Concen: 6.719 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

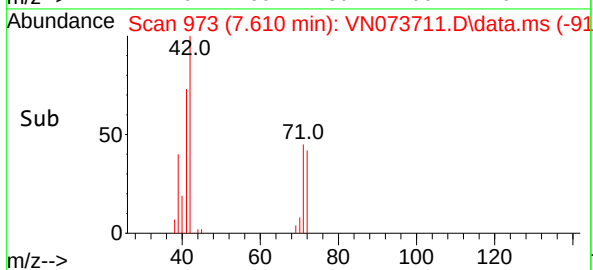
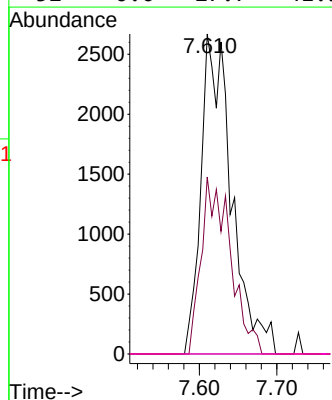
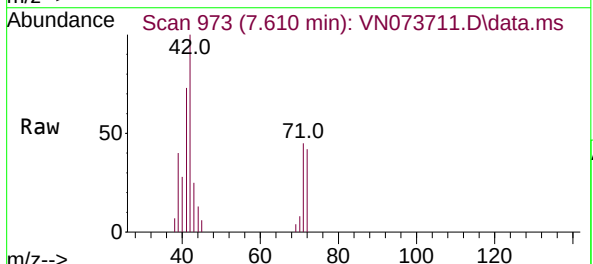
Instrument :
MSVOA_N
ClientSampleId :
MW-15

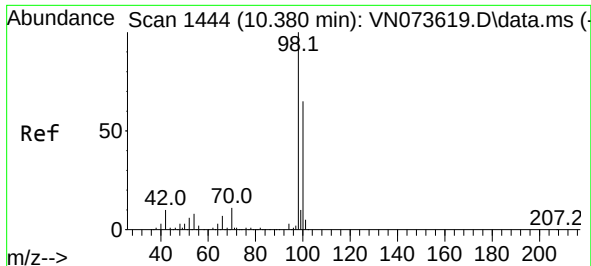
Tgt Ion:117 Resp: 34812
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 2.402 ug/l
RT: 7.610 min Scan# 973
Delta R.T. 0.047 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

Tgt Ion: 41 Resp: 7303
Ion Ratio Lower Upper
41 100
39 52.7 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

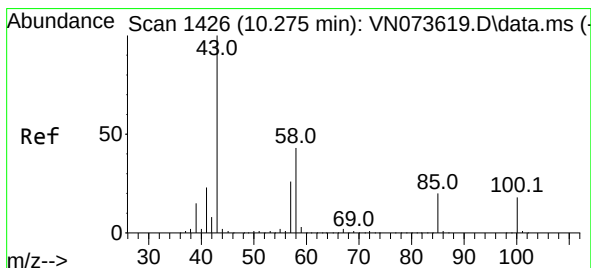
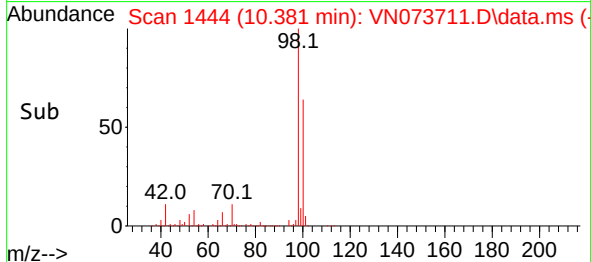
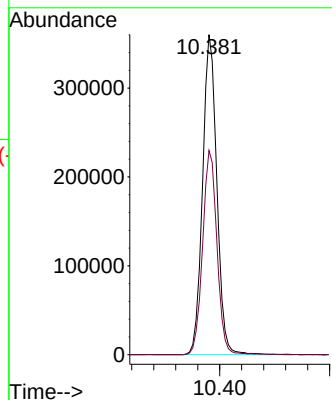
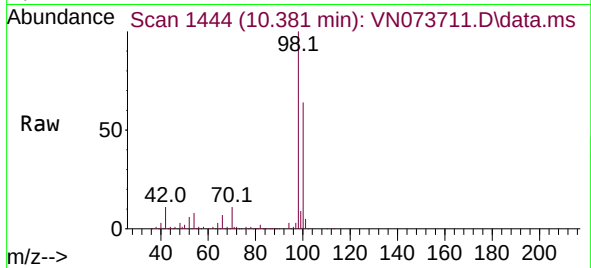




#50
Toluene-d8
Concen: 45.964 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

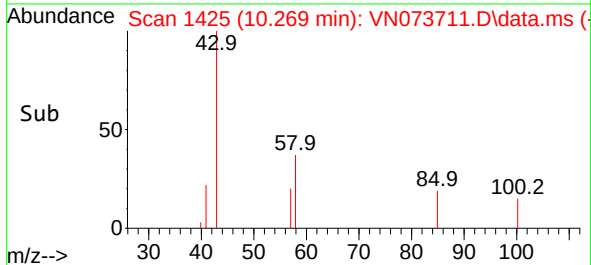
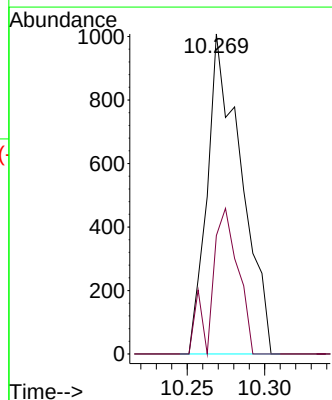
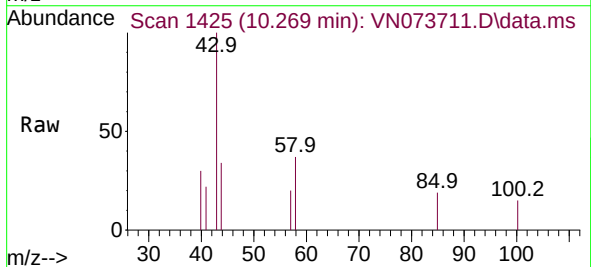
Instrument :
MSVOA_N
ClientSampleId :
MW-15

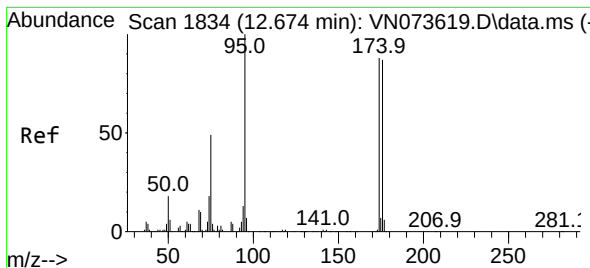
Tgt Ion: 98 Resp: 647370
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.236 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
58 35.7 34.1 51.1

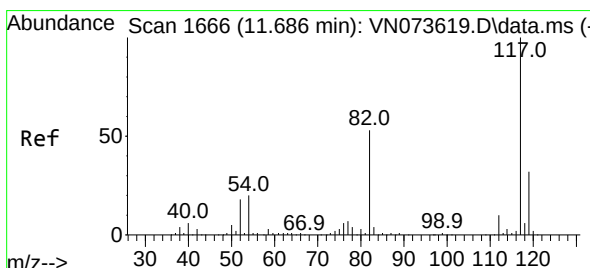
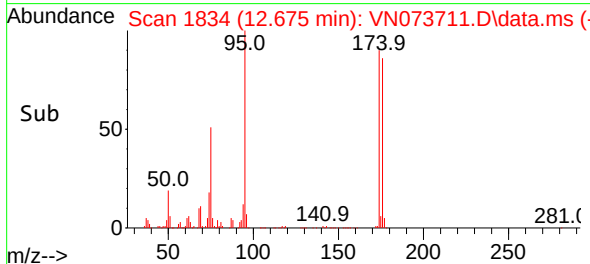
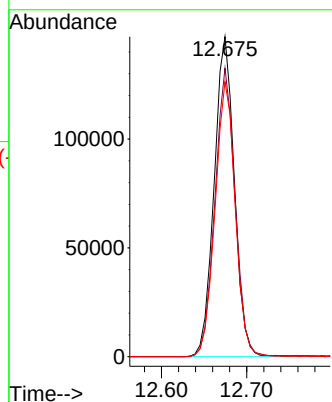
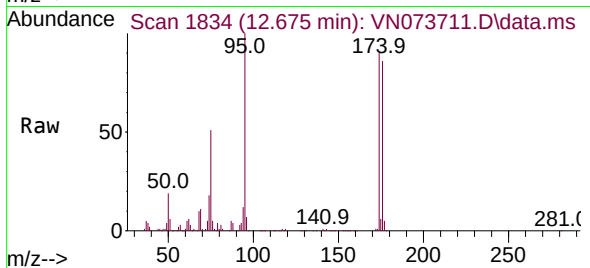




#62
4-Bromofluorobenzene
Concen: 51.163 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

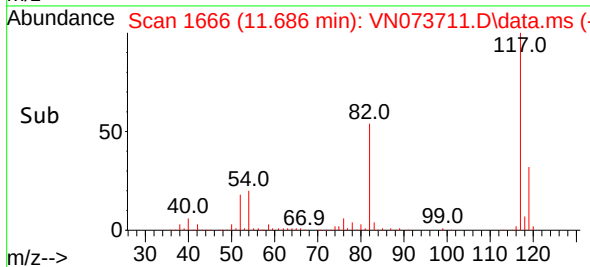
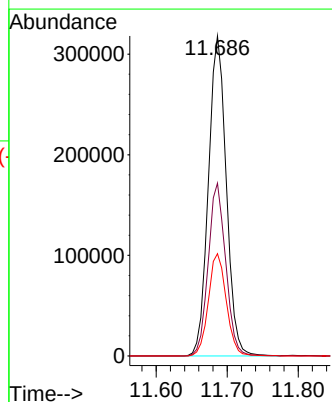
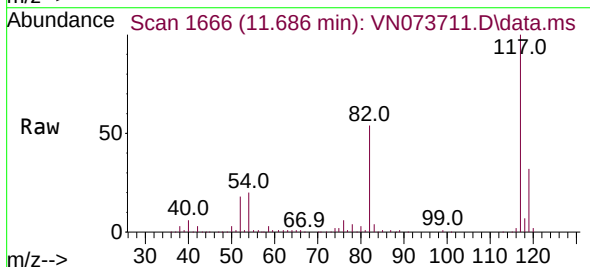
Instrument :
MSVOA_N
ClientSampleId :
MW-15

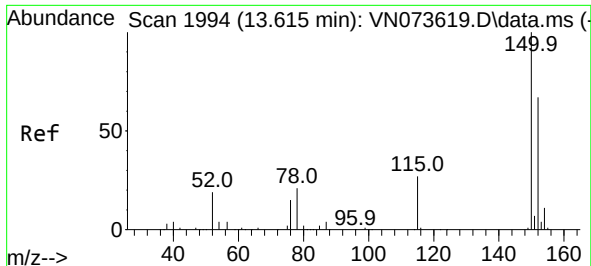
Tgt Ion: 95 Resp: 241832
Ion Ratio Lower Upper
95 100
174 90.4 0.0 167.6
176 85.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

Tgt Ion: 117 Resp: 556331
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 32.0 25.4 38.0

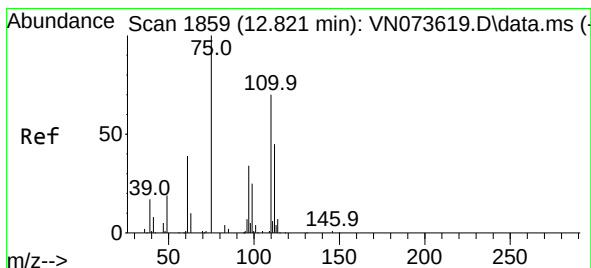
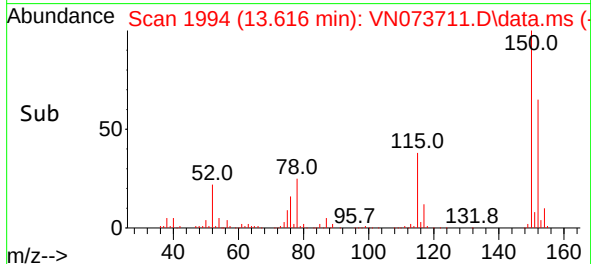
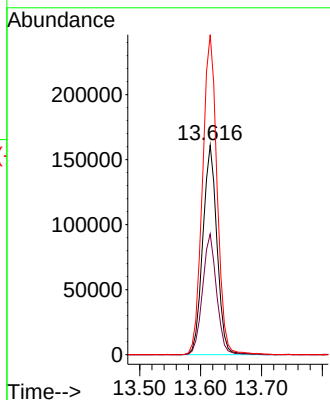
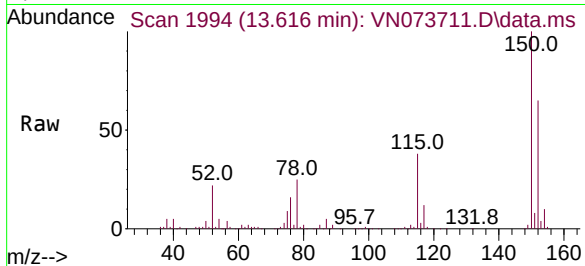




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN073711.D
 Acq: 03 Aug 2022 15:00

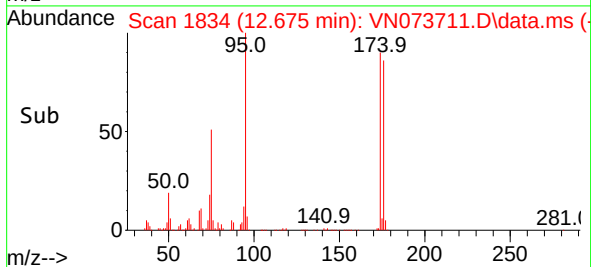
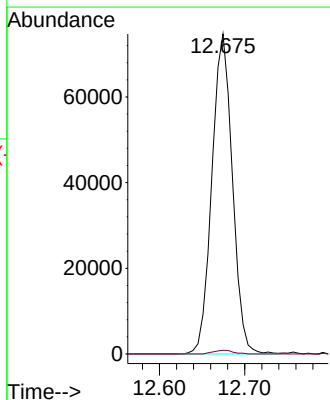
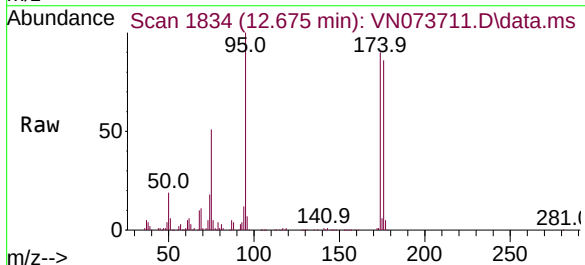
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

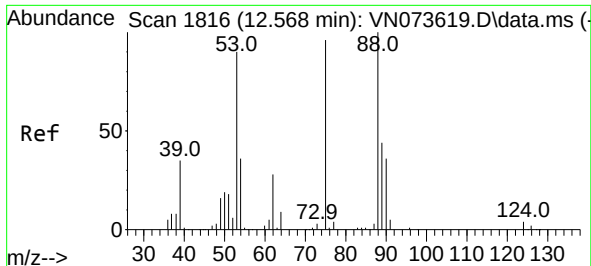
Tgt Ion:152 Resp: 260557
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.9 86.7
 150 157.0 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 24.527 ug/l
 RT: 12.675 min Scan# 1834
 Delta R.T. -0.146 min
 Lab File: VN073711.D
 Acq: 03 Aug 2022 15:00

Tgt Ion: 75 Resp: 124910
 Ion Ratio Lower Upper
 75 100
 77 1.1 98.5 295.5#

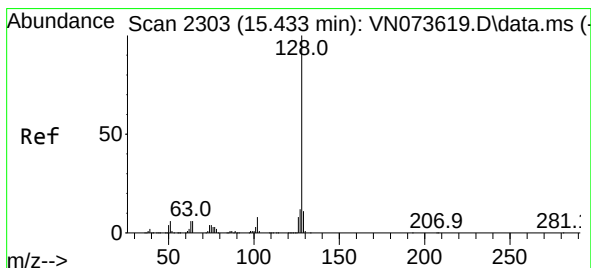
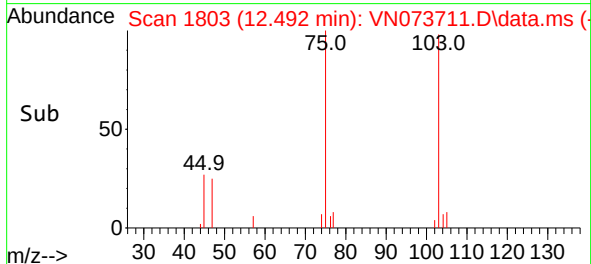
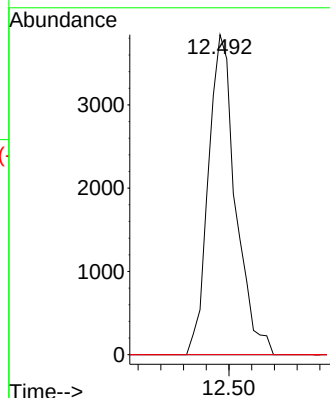
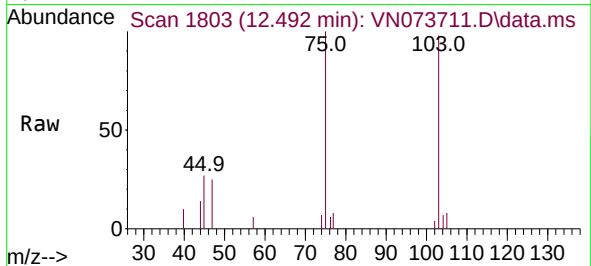




#81
trans-1,4-Dichloro-2-butene
Concen: 3.184 ug/l
RT: 12.492 min Scan# 11
Delta R.T. -0.076 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

Instrument :
MSVOA_N
ClientSampleId :
MW-15

Tgt Ion: 75 Resp: 6402
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.295 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN073711.D
Acq: 03 Aug 2022 15:00

Tgt Ion: 128 Resp: 4361
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 2.9 8.6 13.0#

