

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080222\
 Data File : VN073698.D
 Acq On : 02 Aug 2022 19:43
 Operator : JC\MD
 Sample : N3971-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7R

Quant Time: Aug 03 02:10:52 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)

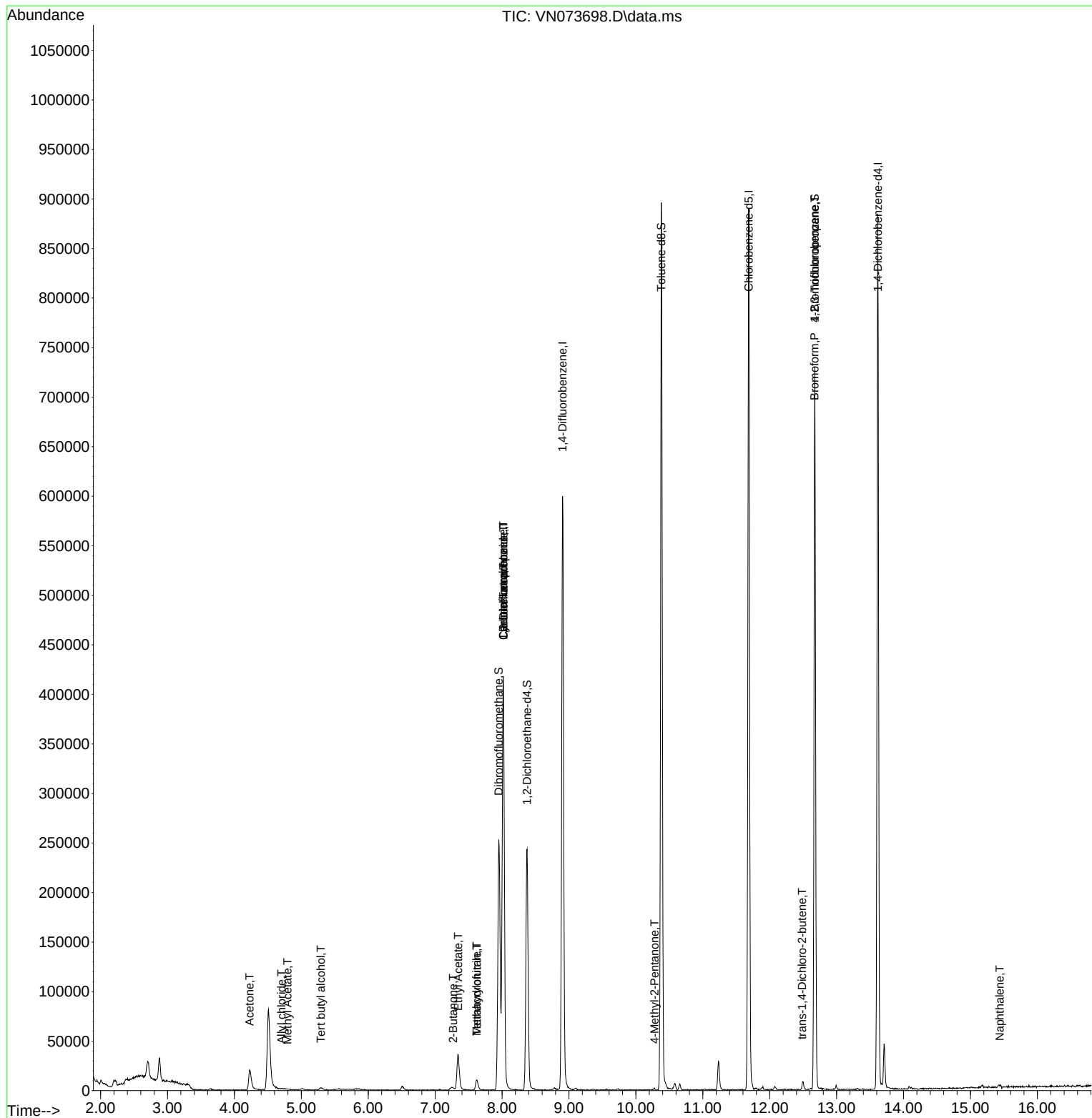
Internal Standards						
1) Pentafluorobenzene	8.016	168	339450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	548023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	521586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	247708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	204254	49.376	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.760%
35) Dibromofluoromethane	7.951	113	188629	54.814	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.620%
50) Toluene-d8	10.380	98	619131	45.720	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.440%
62) 4-Bromofluorobenzene	12.674	95	231940	51.057	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	725	Below Cal	#	84
6) Chloroethane	3.004	64	1936	Below Cal	#	42
11) Tert butyl alcohol	5.292	59	2580	2.892	ug/l #	81
14) Allyl chloride	4.704	41	1148	0.223	ug/l #	24
16) Acetone	4.228	43	37901	17.058	ug/l	97
18) Methyl Acetate	4.793	43	1217	0.220	ug/l #	48
20) Methylene Chloride	5.016	84	707	Below Cal	#	71
25) 2-Butanone	7.269	43	2389	0.692	ug/l #	82
29) Tetrahydrofuran	7.622	42	7548	3.460	ug/l	98
31) Cyclohexane	8.022	56	6705	1.089	ug/l #	1
36) 1,1-Dichloropropene	8.022	75	25535	5.206	ug/l #	50
37) Ethyl Acetate	7.345	43	56281	8.713	ug/l	98
38) Carbon Tetrachloride	8.022	117	32704	6.565	ug/l #	15
41) Methacrylonitrile	7.622	41	4954	1.695	ug/l #	39
51) 4-Methyl-2-Pentanone	10.280	43	1336	0.214	ug/l #	86
71) Bromoform	12.668	173	1325	0.404	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	119523	24.709	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.486	75	4048	2.118	ug/l #	10
95) Naphthalene	15.439	128	3519	0.250	ug/l #	83

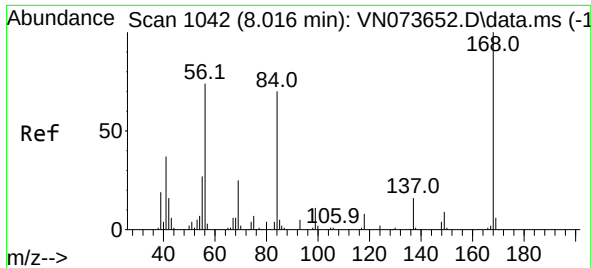
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 03 02:10:52 2022
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Quant Title : SW846 8260
QLast Update : Fri Jul 29 02:20:25 2022
Response via : Initial Calibration

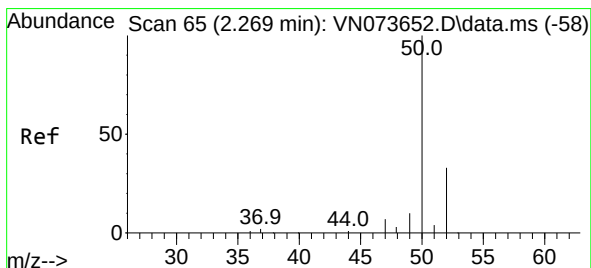
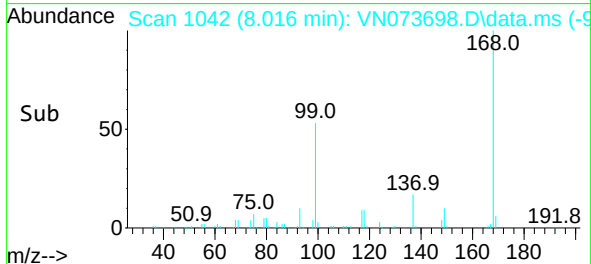
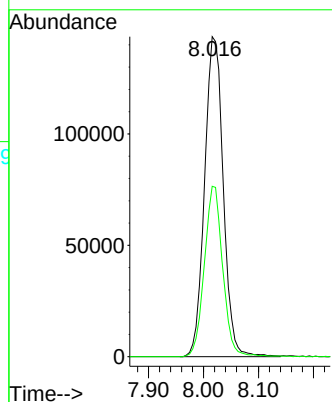
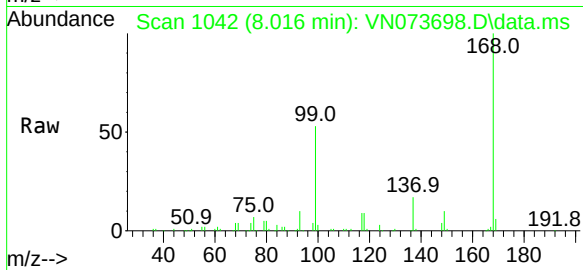




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

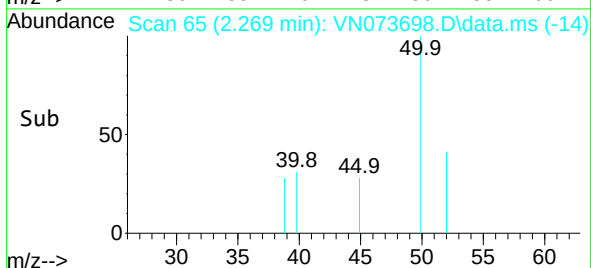
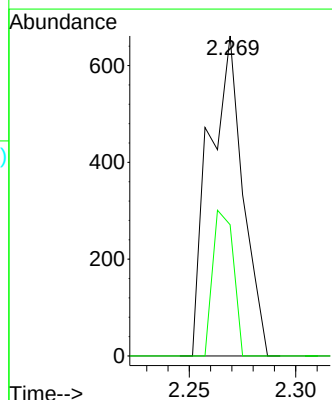
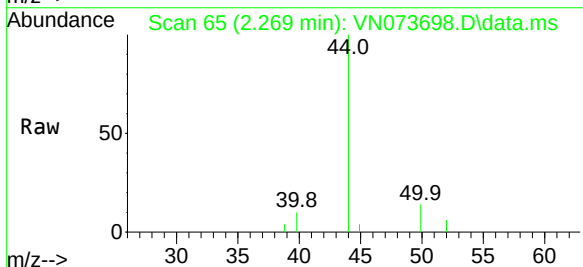
Instrument :
MSVOA_N
ClientSampleId :
MW-7R

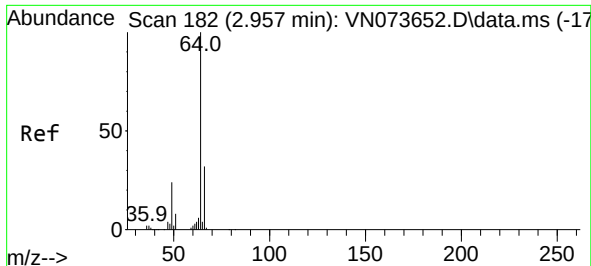
Tgt Ion:168 Resp: 339450
Ion Ratio Lower Upper
168 100
99 53.2 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

Tgt Ion: 50 Resp: 725
Ion Ratio Lower Upper
50 100
52 41.0 25.7 38.5#

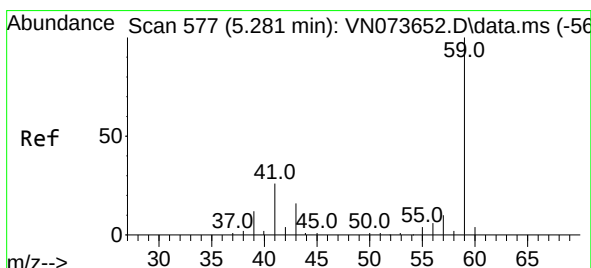
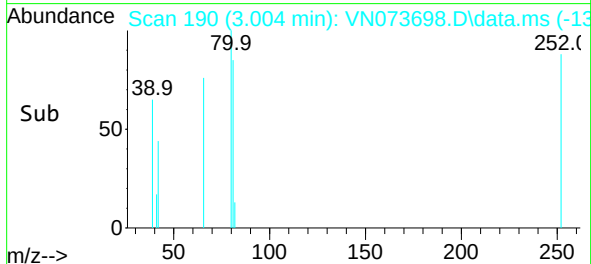
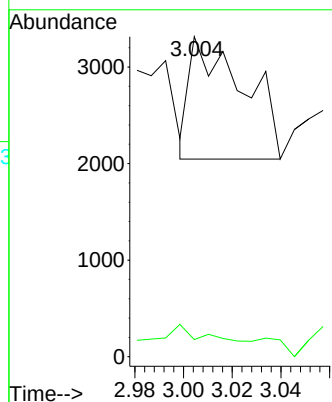
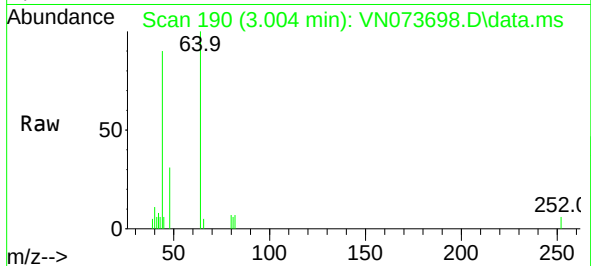




#6
Chloroethane
Concen: Below Cal
RT: 3.004 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

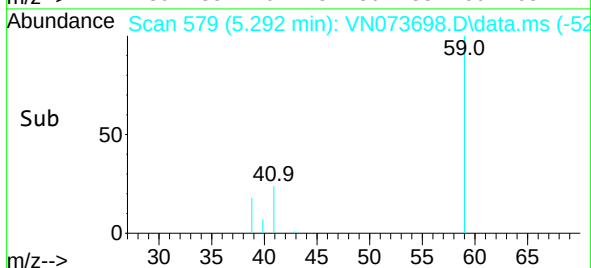
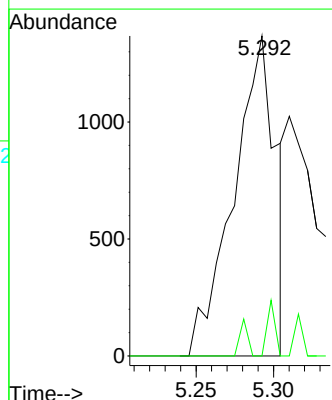
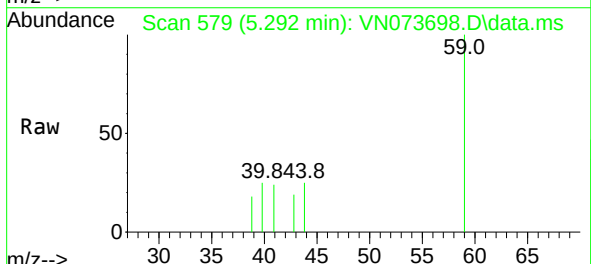
Instrument :
MSVOA_N
ClientSampleId :
MW-7R

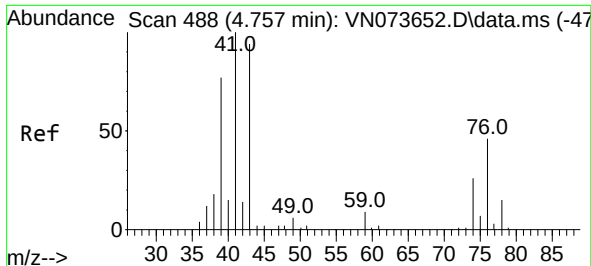
Tgt Ion: 64 Resp: 1936
Ion Ratio Lower Upper
64 100
66 0.2 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.892 ug/l
RT: 5.292 min Scan# 579
Delta R.T. 0.000 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

Tgt Ion: 59 Resp: 2580
Ion Ratio Lower Upper
59 100
57 3.3 8.3 12.5#

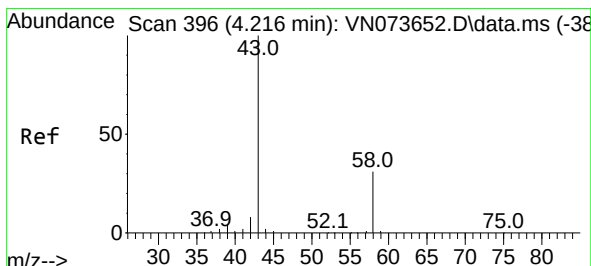
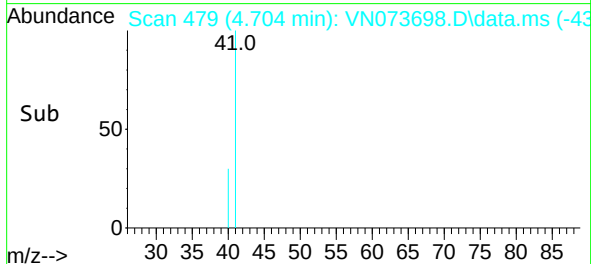
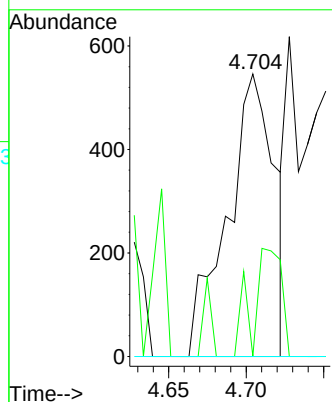
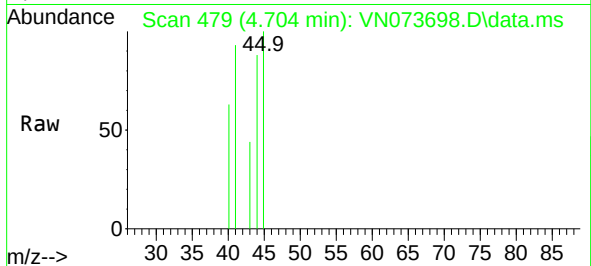




#14
 Allyl chloride
 Concen: 0.223 ug/l
 RT: 4.704 min Scan# 41
 Delta R.T. -0.059 min
 Lab File: VN073698.D
 Acq: 02 Aug 2022 19:43

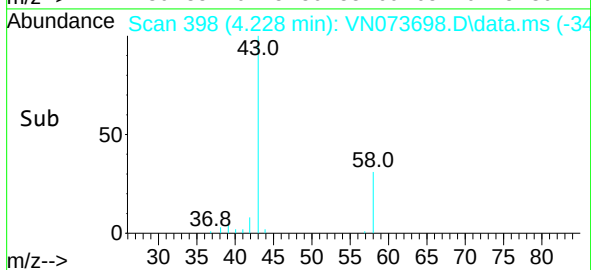
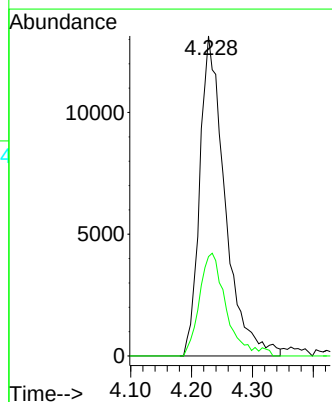
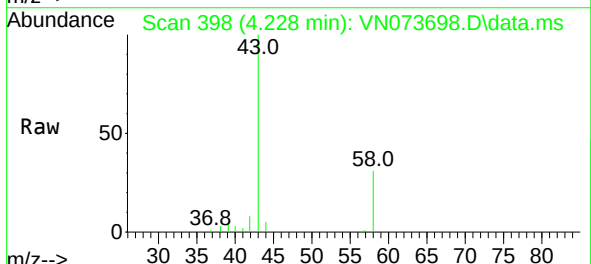
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7R

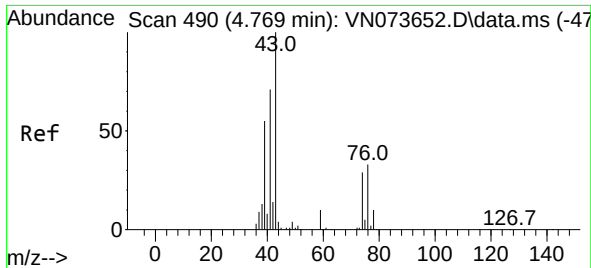
Tgt Ion: 41 Resp: 1148
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 17.058 ug/l
 RT: 4.228 min Scan# 398
 Delta R.T. 0.006 min
 Lab File: VN073698.D
 Acq: 02 Aug 2022 19:43

Tgt Ion: 43 Resp: 37901
 Ion Ratio Lower Upper
 43 100
 58 31.1 26.0 39.0

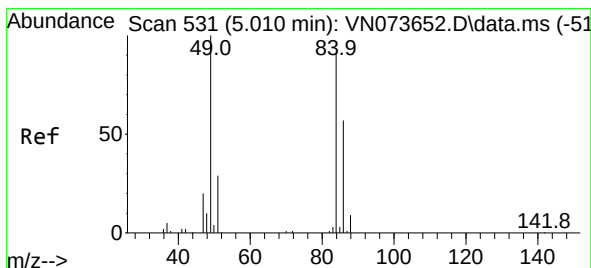
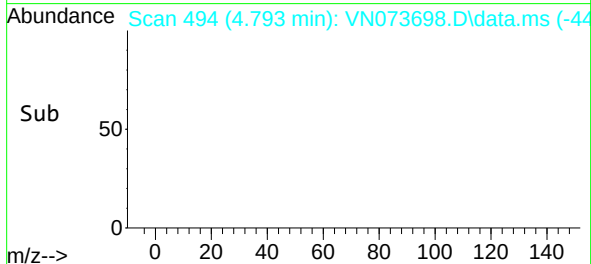
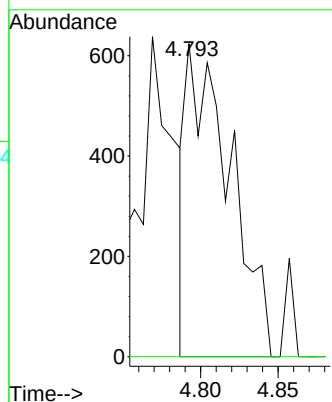
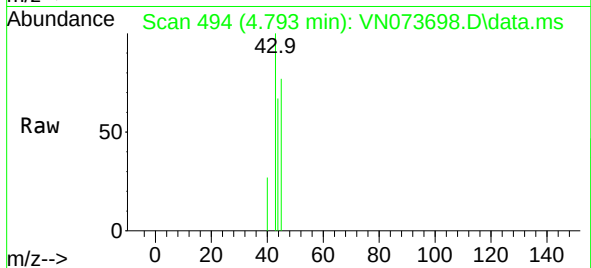




#18
Methyl Acetate
Concen: 0.220 ug/l
RT: 4.793 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

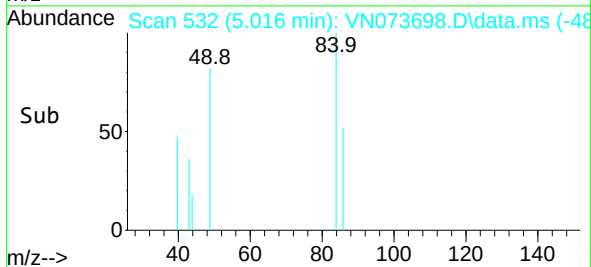
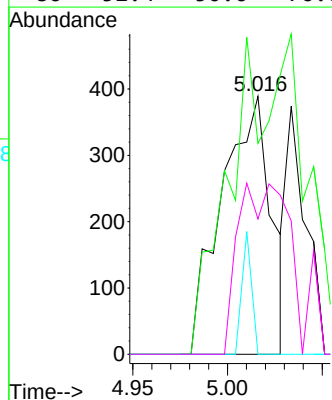
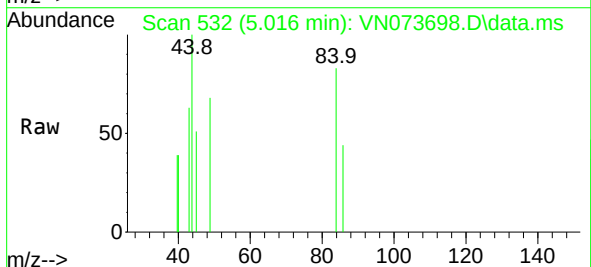
Instrument :
MSVOA_N
ClientSampleId :
MW-7R

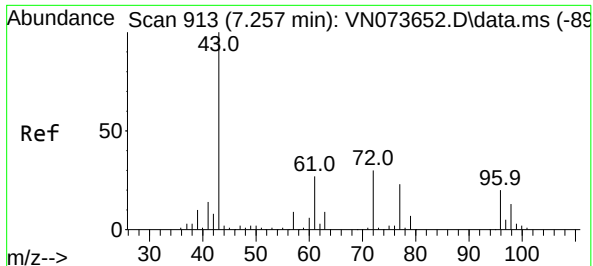
Tgt Ion: 43 Resp: 1217
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

Tgt Ion: 84 Resp: 707
Ion Ratio Lower Upper
84 100
49 81.7 88.3 132.5#
51 0.0 28.2 42.2#
86 52.4 50.6 76.0





#25

2-Butanone

Concen: 0.692 ug/l

RT: 7.269 min Scan# 913

Delta R.T. 0.012 min

Lab File: VN073698.D

Acq: 02 Aug 2022 19:43

Instrument :

MSVOA_N

ClientSampleId :

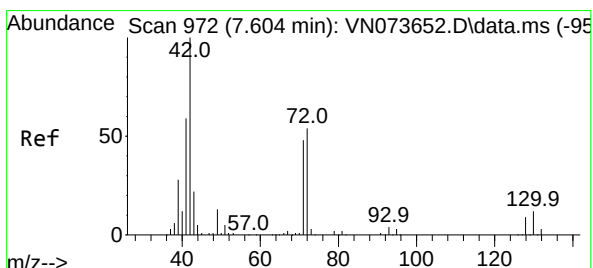
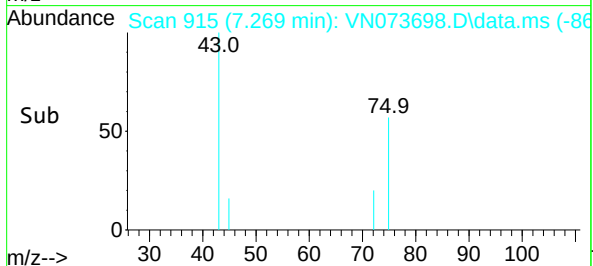
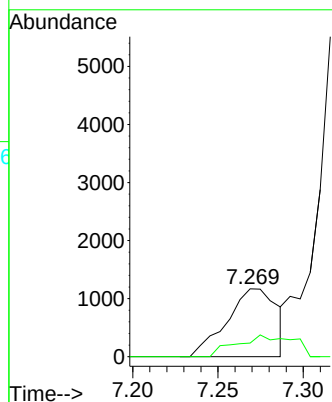
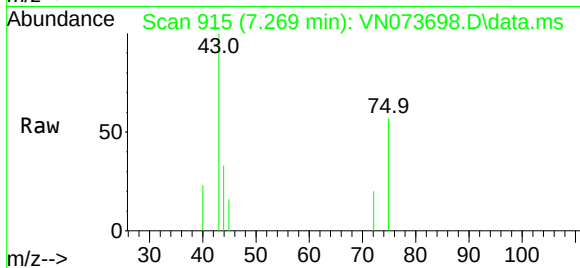
MW-7R

Tgt Ion: 43 Resp: 2389

Ion Ratio Lower Upper

43 100

72 20.1 23.7 35.5#



#29

Tetrahydrofuran

Concen: 3.460 ug/l

RT: 7.622 min Scan# 975

Delta R.T. 0.012 min

Lab File: VN073698.D

Acq: 02 Aug 2022 19:43

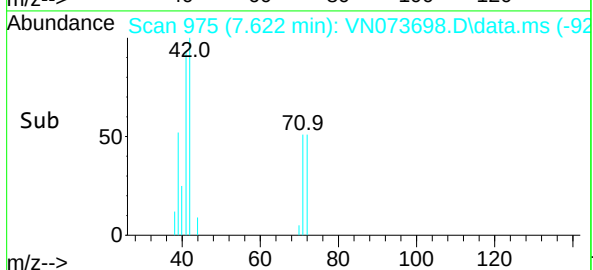
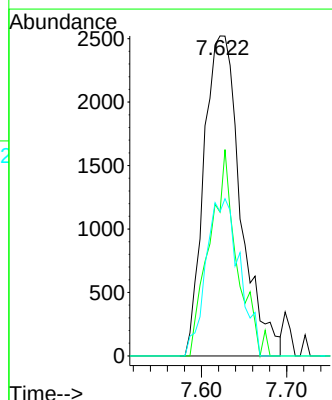
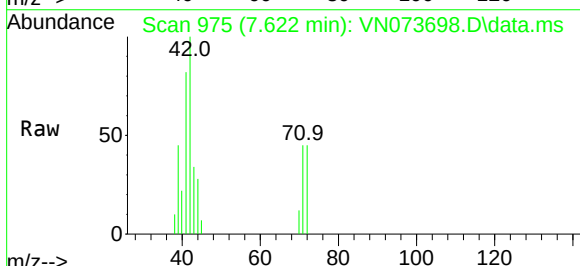
Tgt Ion: 42 Resp: 7548

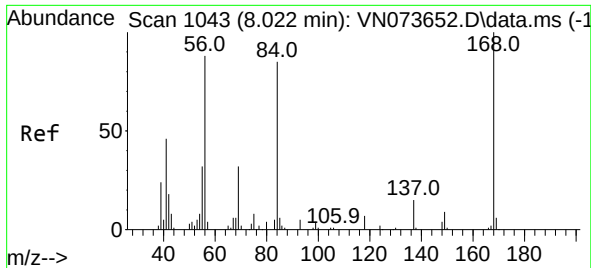
Ion Ratio Lower Upper

42 100

72 48.1 39.7 59.5

71 44.8 36.6 55.0

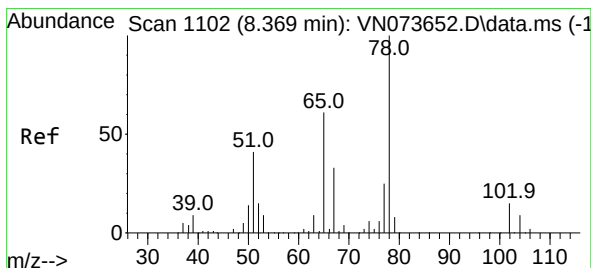
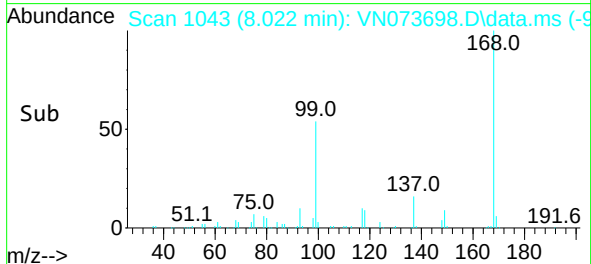
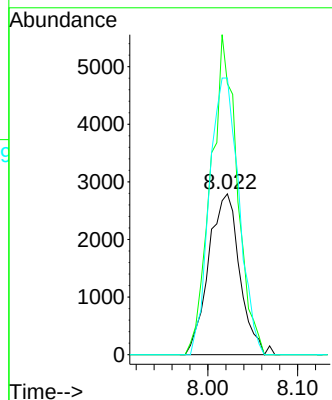
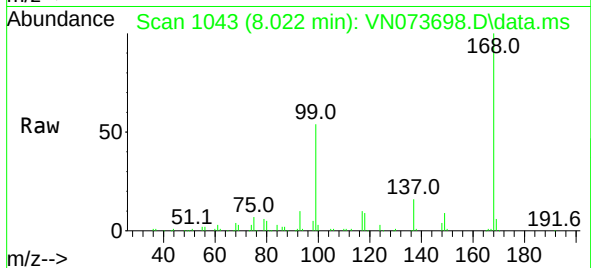




#31
Cyclohexane
Concen: 1.089 ug/l
RT: 8.022 min Scan# 1103
Delta R.T. -0.000 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

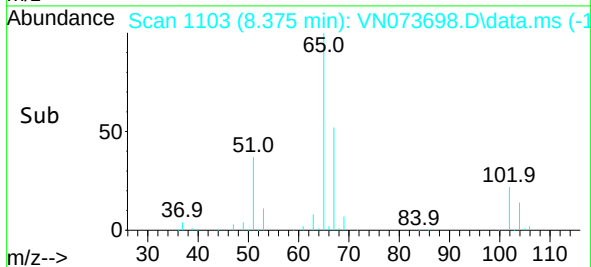
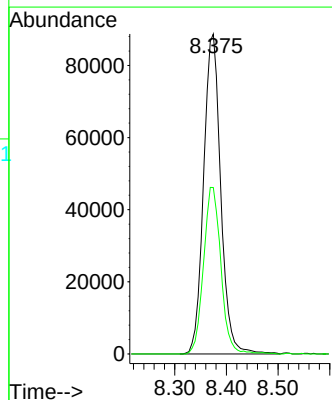
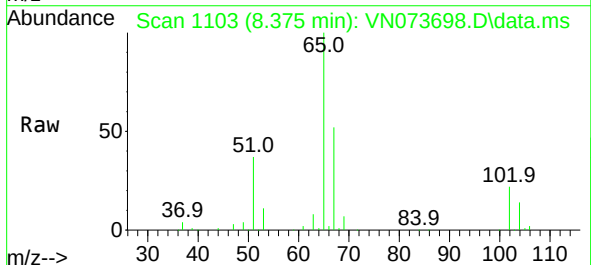
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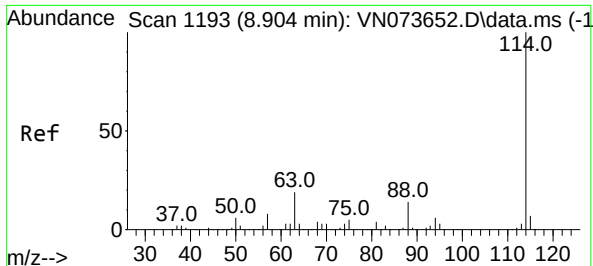
Tgt Ion: 56 Resp: 6705
Ion Ratio Lower Upper
56 100
69 168.5 27.8 41.8#
84 171.9 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 49.376 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

Tgt Ion: 65 Resp: 204254
Ion Ratio Lower Upper
65 100
67 52.6 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: VN073698.D

Acq: 02 Aug 2022 19:43

Instrument :

MSVOA_N

ClientSampleId :

MW-7R

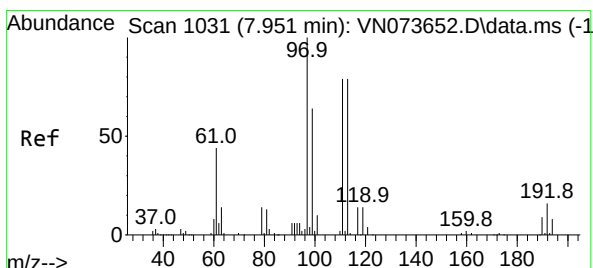
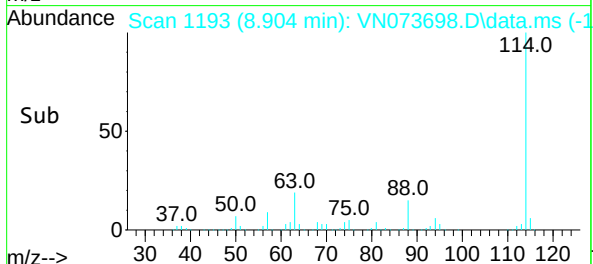
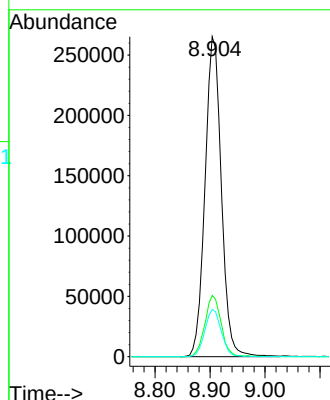
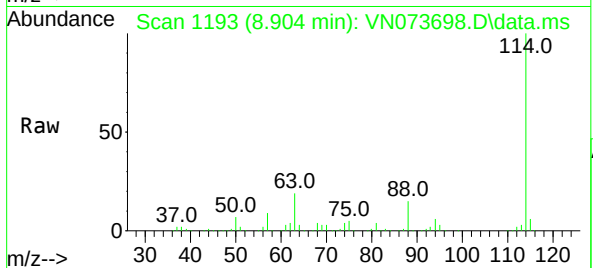
Tgt Ion:114 Resp: 548023

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 14.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.814 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN073698.D

Acq: 02 Aug 2022 19:43

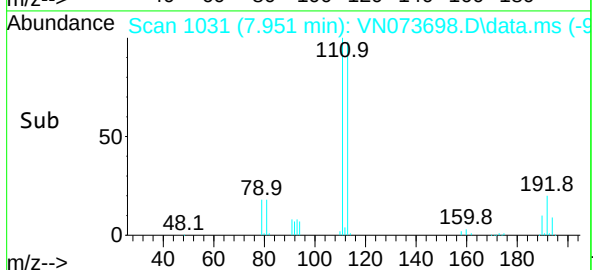
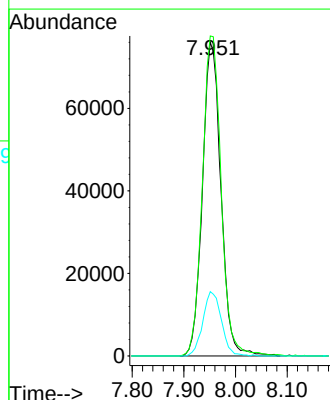
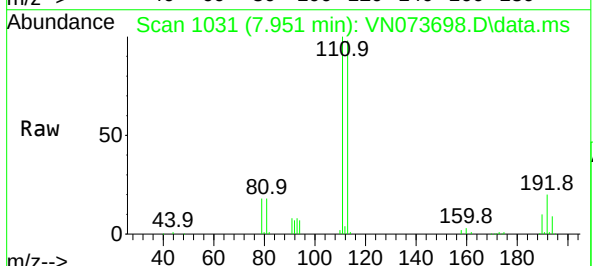
Tgt Ion:113 Resp: 188629

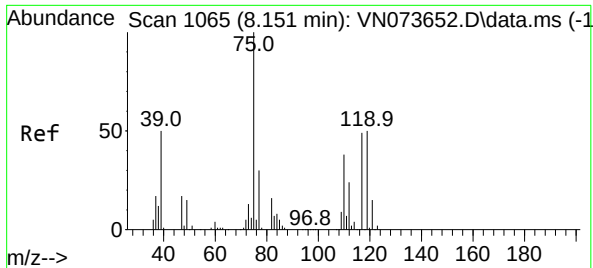
Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

192 20.6 17.0 25.6

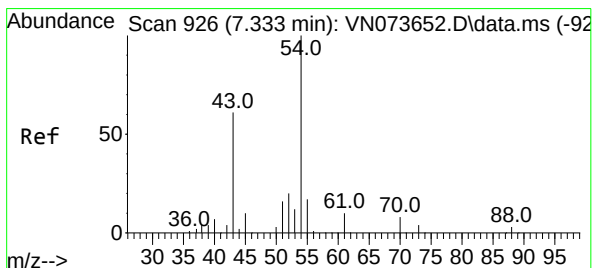
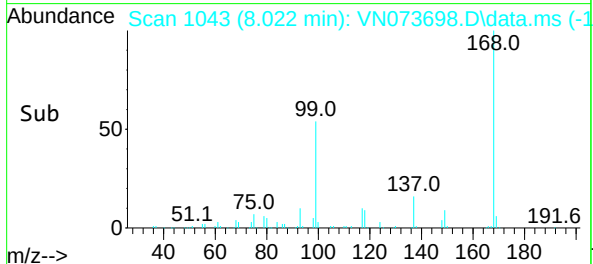
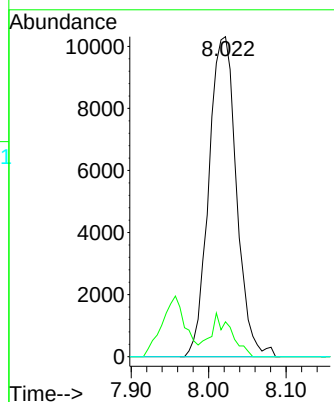
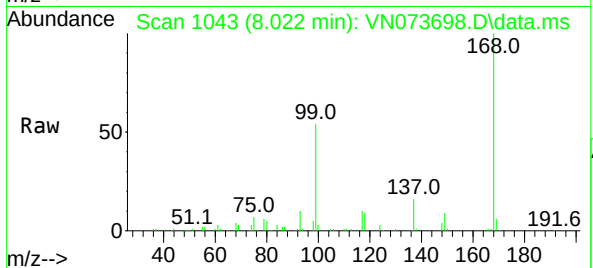




#36
1,1-Dichloropropene
Concen: 5.206 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

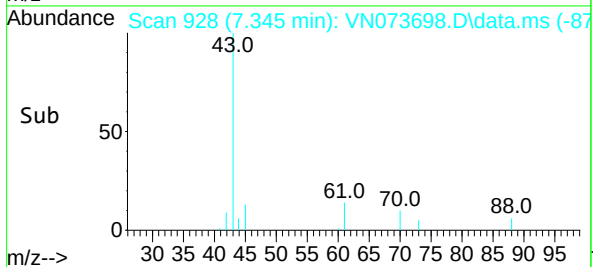
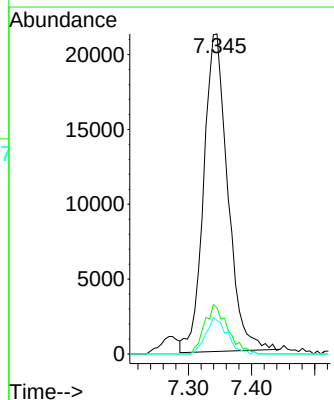
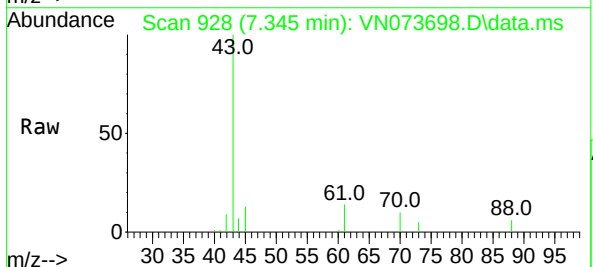
Instrument :
MSVOA_N
ClientSampleId :
MW-7R

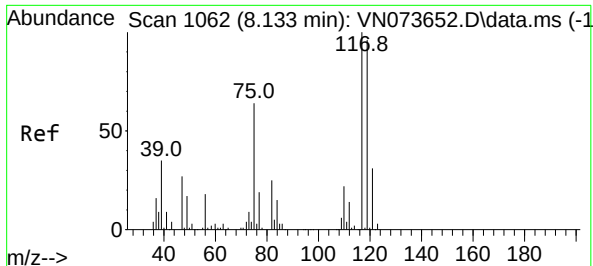
Tgt Ion: 75 Resp: 25535
Ion Ratio Lower Upper
75 100
110 10.4 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.713 ug/l
RT: 7.345 min Scan# 928
Delta R.T. 0.006 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

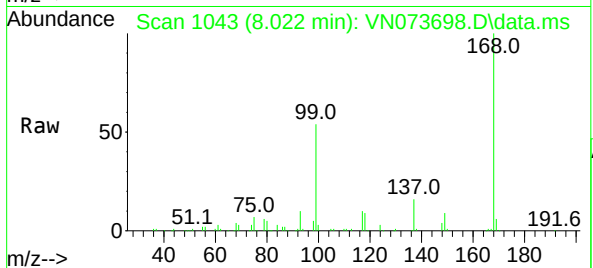
Tgt Ion: 43 Resp: 56281
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.6
70 10.3 9.3 13.9



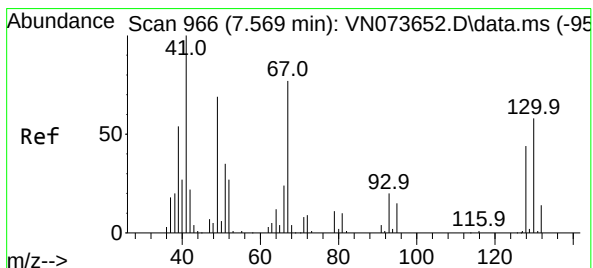
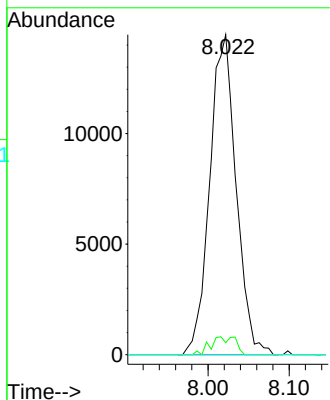
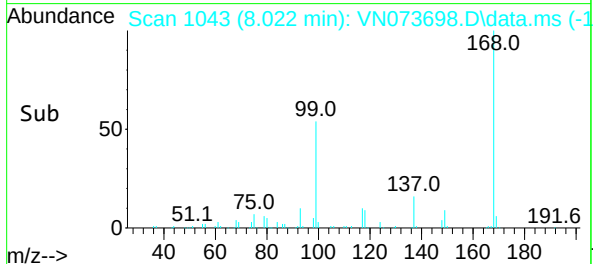


#38
Carbon Tetrachloride
Concen: 6.565 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

Instrument :
MSVOA_N
ClientSampleId :
MW-7R

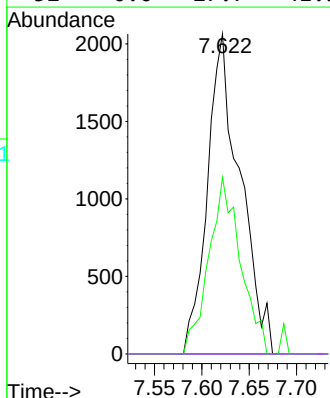
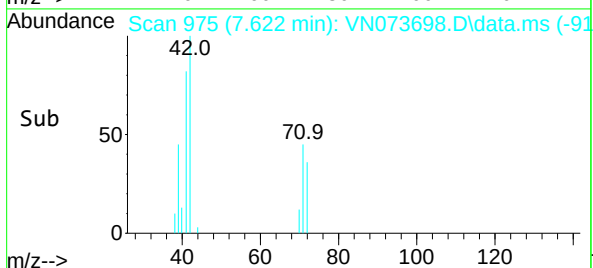
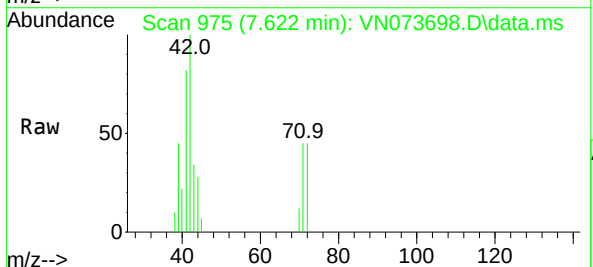


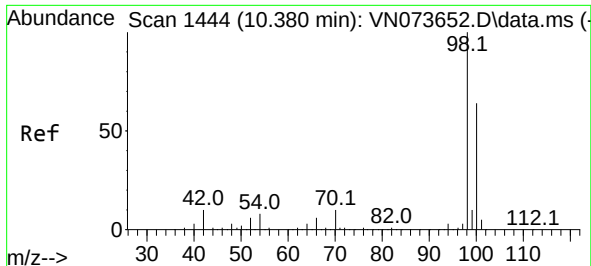
Tgt Ion: 117 Resp: 32704
Ion Ratio Lower Upper
117 100
119 3.7 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 1.695 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.059 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

Tgt Ion: 41 Resp: 4954
Ion Ratio Lower Upper
41 100
39 53.7 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

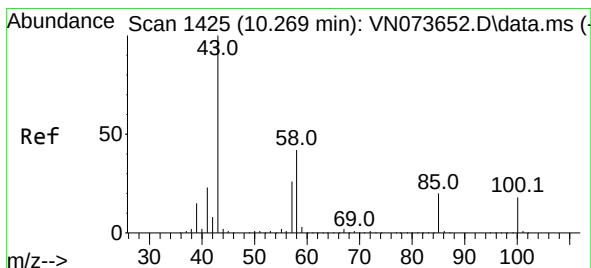
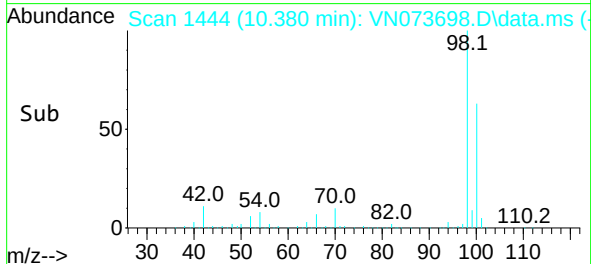
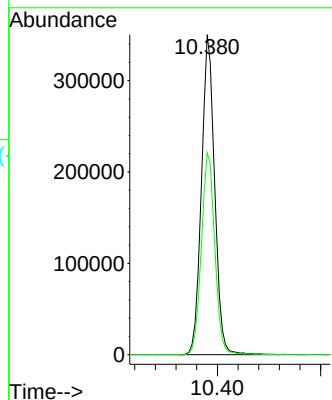
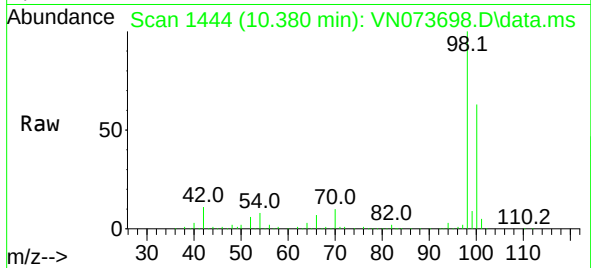




#50
Toluene-d8
Concen: 45.720 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

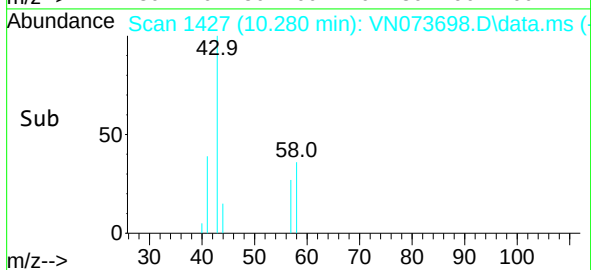
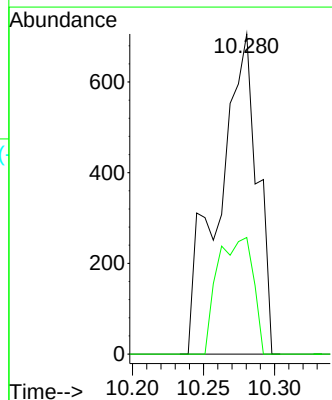
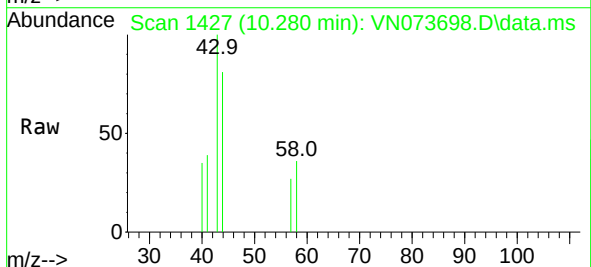
Instrument :
MSVOA_N
ClientSampleId :
MW-7R

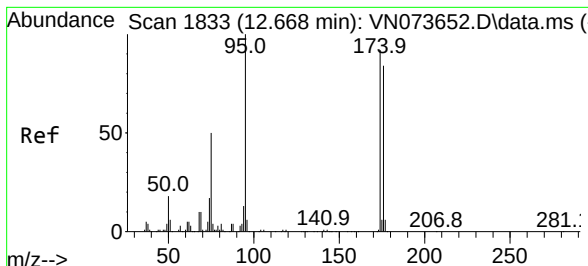
Tgt Ion: 98 Resp: 619131
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.214 ug/l
RT: 10.280 min Scan# 1427
Delta R.T. 0.005 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

Tgt Ion: 43 Resp: 1336
Ion Ratio Lower Upper
43 100
58 33.5 34.1 51.1#

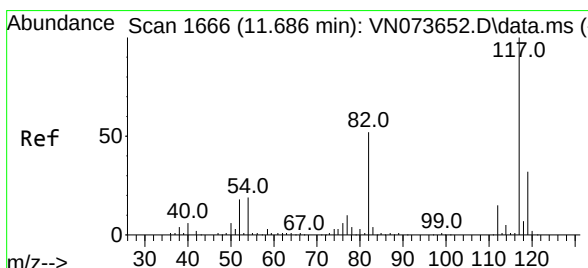
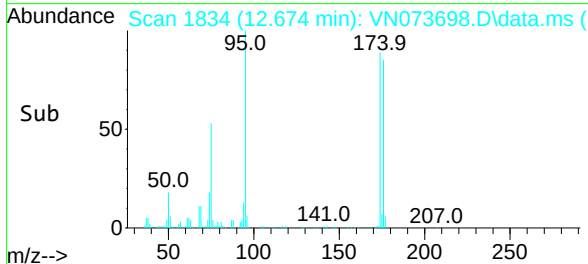
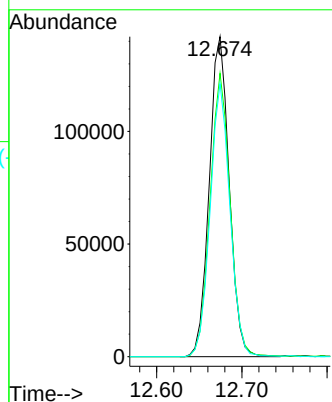
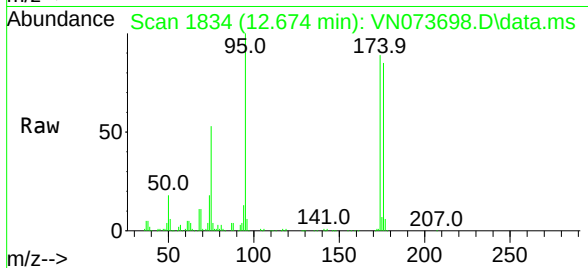




#62
4-Bromofluorobenzene
Concen: 51.057 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

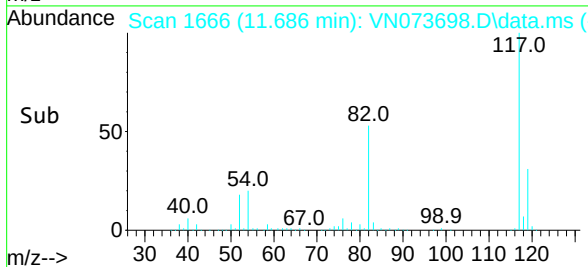
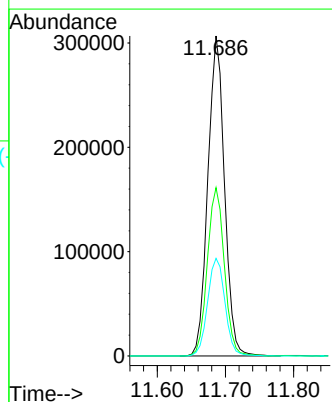
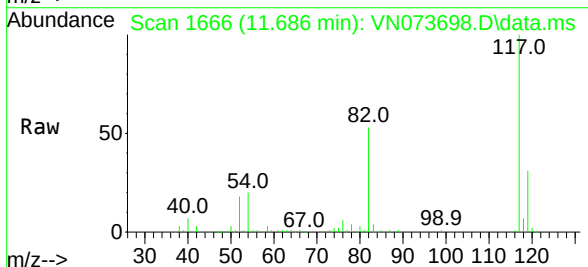
Instrument :
MSVOA_N
ClientSampleId :
MW-7R

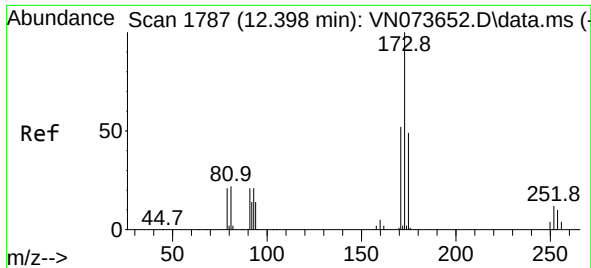
Tgt Ion: 95 Resp: 231940
Ion Ratio Lower Upper
95 100
174 89.0 0.0 167.6
176 84.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

Tgt Ion: 117 Resp: 521586
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 30.5 25.4 38.0

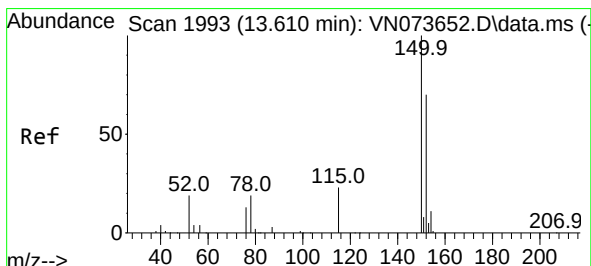
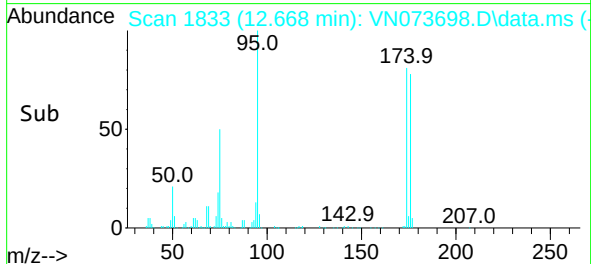
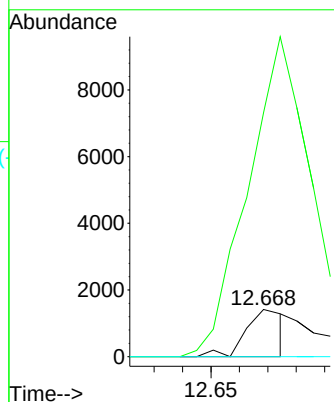
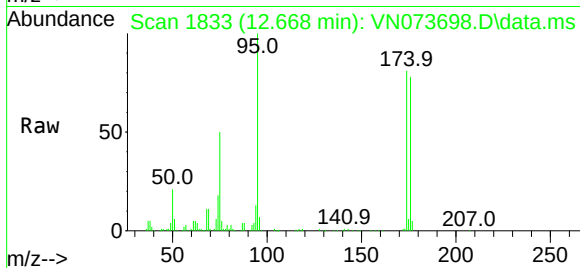




#71
Bromoform
Concen: 0.404 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

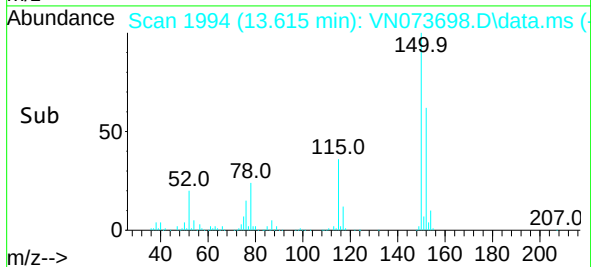
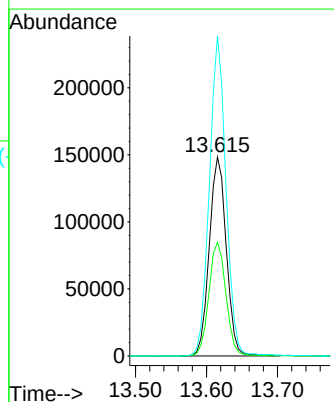
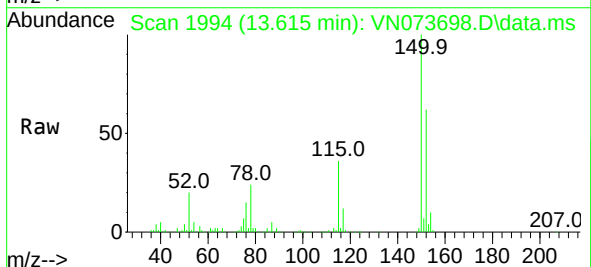
Instrument :
MSVOA_N
ClientSampleId :
MW-7R

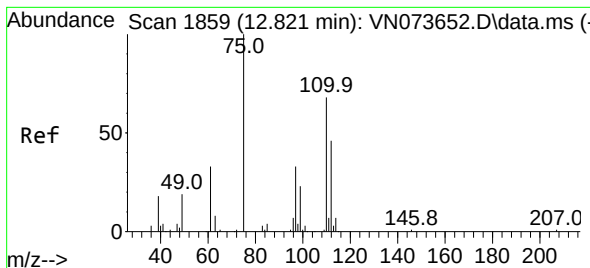
Tgt Ion:173 Resp: 1325
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

Tgt Ion:152 Resp: 247708
Ion Ratio Lower Upper
152 100
115 57.4 28.9 86.7
150 156.8 0.0 356.2





#76

1,2,3-Trichloropropane

Concen: 24.709 ug/l

RT: 12.674 min Scan# 11

Delta R.T. -0.147 min

Lab File: VN073698.D

Acq: 02 Aug 2022 19:43

Instrument :

MSVOA_N

ClientSampleId :

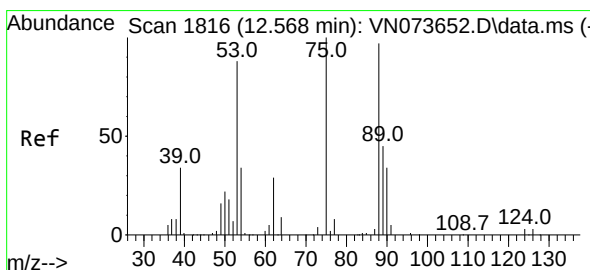
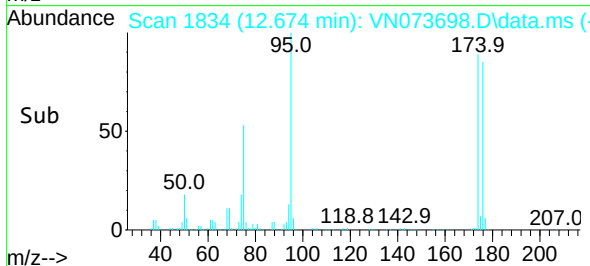
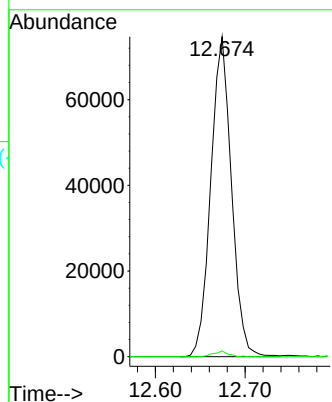
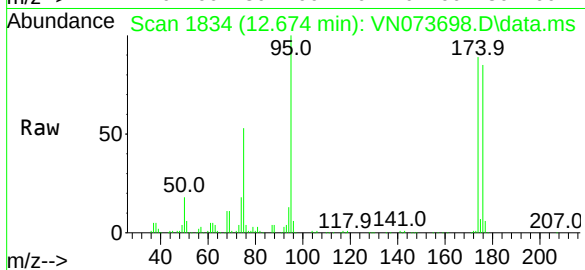
MW-7R

Tgt Ion: 75 Resp: 119523

Ion Ratio Lower Upper

75 100

77 1.3 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 2.118 ug/l

RT: 12.486 min Scan# 1802

Delta R.T. -0.082 min

Lab File: VN073698.D

Acq: 02 Aug 2022 19:43

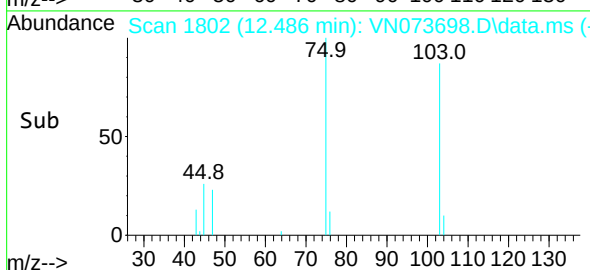
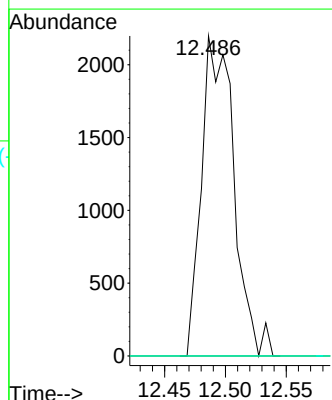
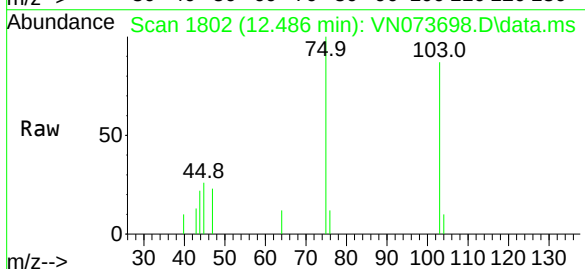
Tgt Ion: 75 Resp: 4048

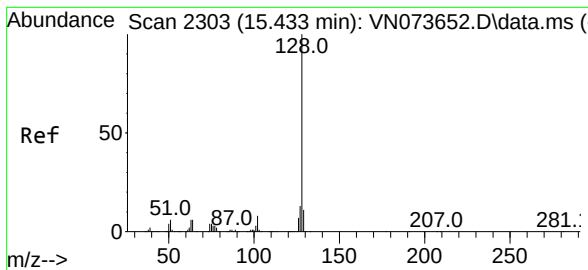
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

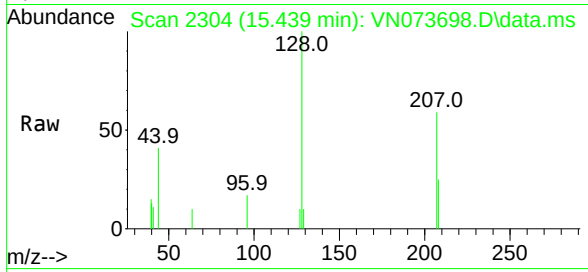
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 0.250 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073698.D
Acq: 02 Aug 2022 19:43

Instrument :
MSVOA_N
ClientSampleId :
MW-7R



Tgt Ion:	128	Resp:	3519
Ion	Ratio	Lower	Upper
128	100		
127	3.2	10.3	15.5#
129	7.5	8.6	13.0#

