

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080322\
 Data File : VN073712.D
 Acq On : 03 Aug 2022 15:24
 Operator : JC\MD
 Sample : N3971-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-30

Quant Time: Aug 04 05:34:53 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)

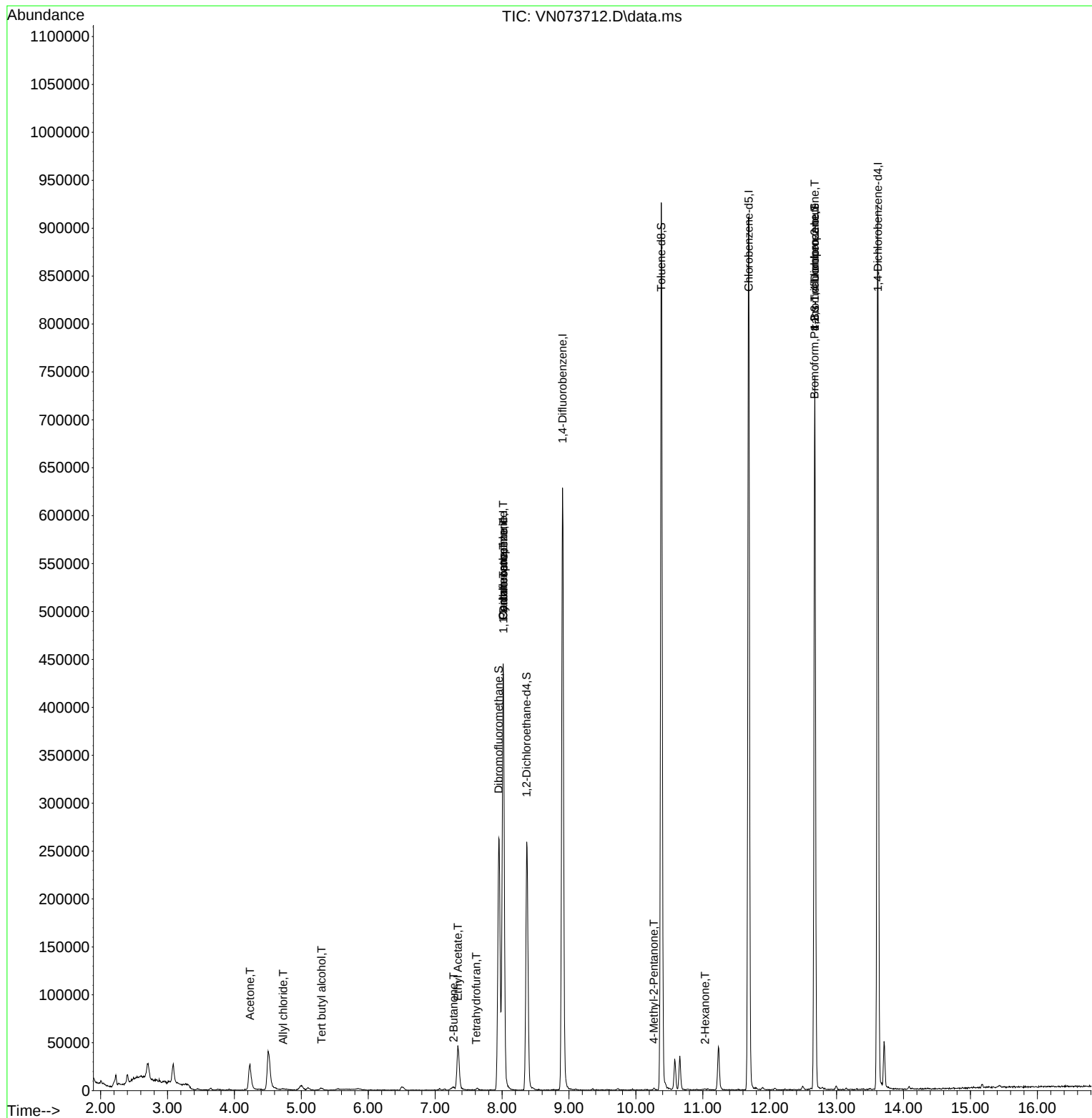
Internal Standards						
1) Pentafluorobenzene	8.016	168	353835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	566840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	548009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	261178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	213108	49.421	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.840%		
35) Dibromofluoromethane	7.951	113	196343	55.162	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	110.320%		
50) Toluene-d8	10.380	98	646984	46.191	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.380%		
62) 4-Bromofluorobenzene	12.674	95	243614	51.715	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.440%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1058	Below Cal	#	81
6) Chloroethane	3.122	64	556	Below Cal	#	42
11) Tert butyl alcohol	5.304	59	4236	4.555	ug/l #	81
14) Allyl chloride	4.728	41	1691	0.315	ug/l #	24
16) Acetone	4.234	43	48778	21.061	ug/l	96
20) Methylene Chloride	5.004	84	503	Below Cal	#	61
25) 2-Butanone	7.275	43	4249	1.181	ug/l #	88
29) Tetrahydrofuran	7.616	42	668	0.294	ug/l #	36
31) Cyclohexane	8.016	56	7928	1.235	ug/l #	30
36) 1,1-Dichloropropene	8.022	75	26843	5.291	ug/l #	48
37) Ethyl Acetate	7.339	43	68913	10.315	ug/l	98
38) Carbon Tetrachloride	8.016	117	32342	6.277	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	1553	0.240	ug/l #	70
59) 2-Hexanone	11.033	43	1353	0.276	ug/l	70
71) Bromoform	12.668	173	1315	0.382	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	125767	24.652	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	125767	62.404	ug/l #	11

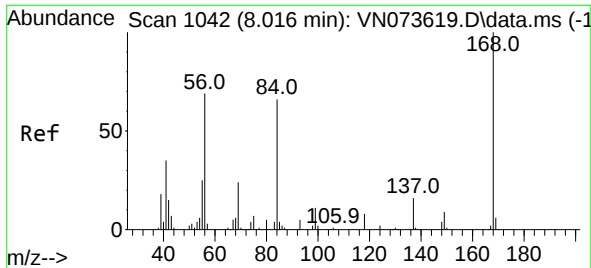
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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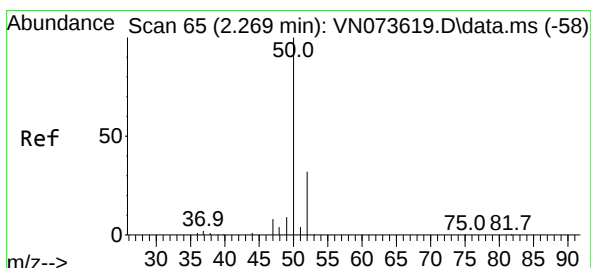
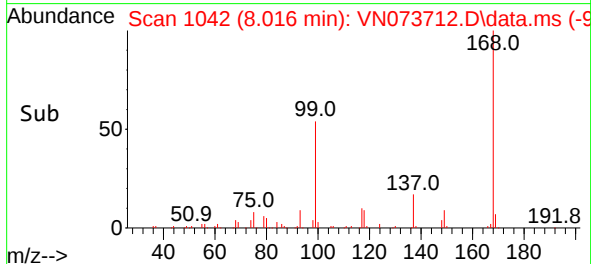
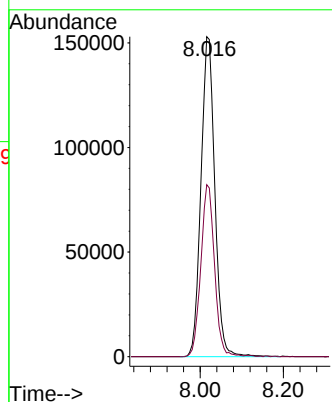
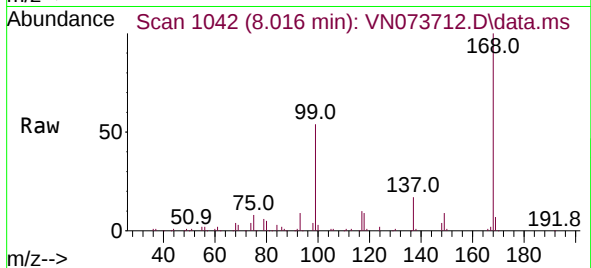




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073712.D
Acq: 03 Aug 2022 15:24

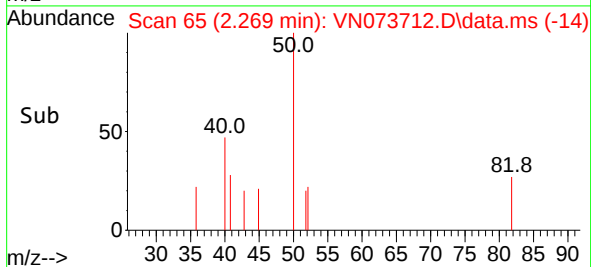
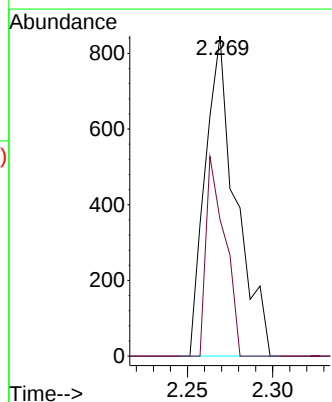
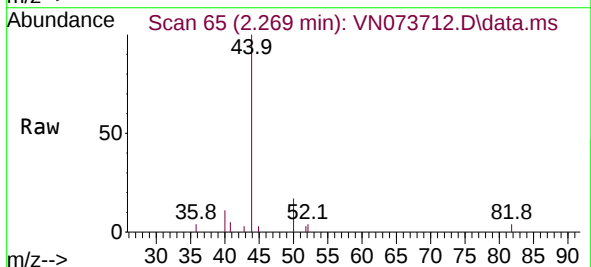
Instrument :
MSVOA_N
ClientSampleId :
MW-30

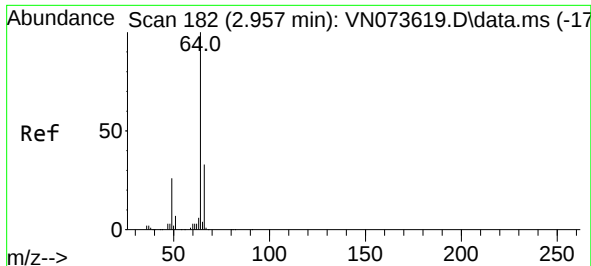
Tgt Ion:168 Resp: 353835
Ion Ratio Lower Upper
168 100
99 53.8 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073712.D
Acq: 03 Aug 2022 15:24

Tgt Ion: 50 Resp: 1058
Ion Ratio Lower Upper
50 100
52 42.6 25.7 38.5#

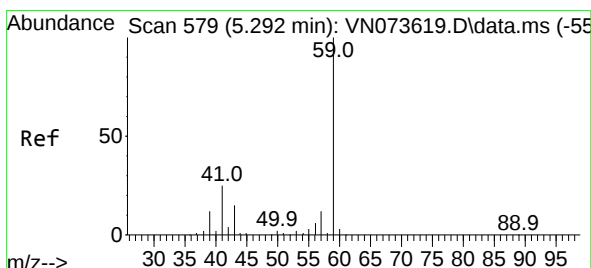
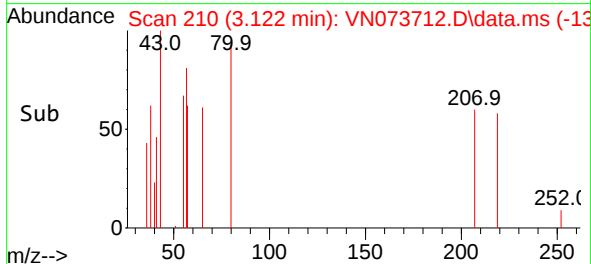
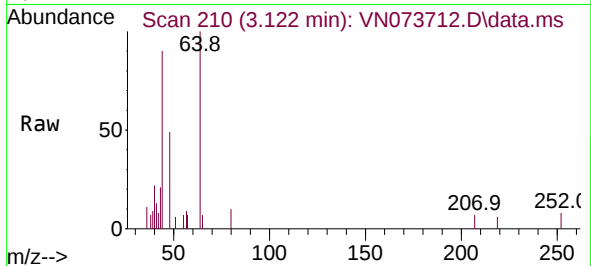




#6
Chloroethane
Concen: Below Cal
RT: 3.122 min Scan# 21
Delta R.T. 0.165 min
Lab File: VN073712.D
Acq: 03 Aug 2022 15:24

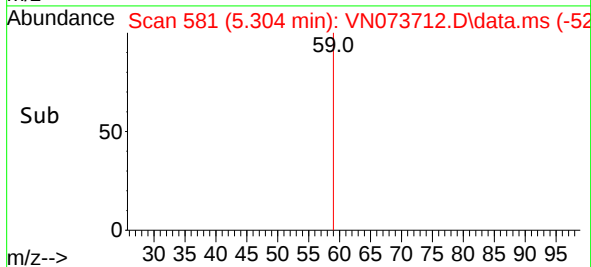
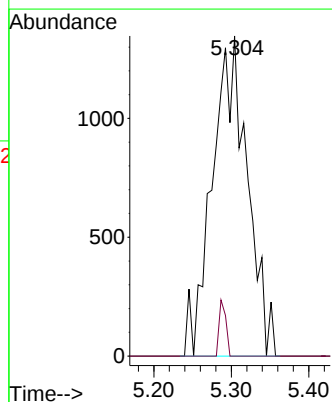
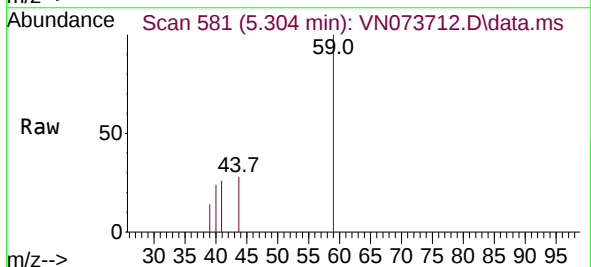
Instrument :
MSVOA_N
ClientSampleId :
MW-30

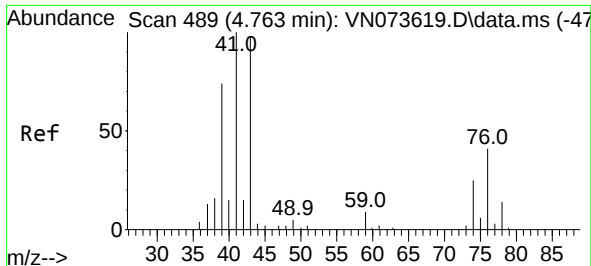
Tgt Ion: 64 Resp: 556
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 4.555 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.012 min
Lab File: VN073712.D
Acq: 03 Aug 2022 15:24

Tgt Ion: 59 Resp: 4236
Ion Ratio Lower Upper
59 100
57 3.4 8.3 12.5#

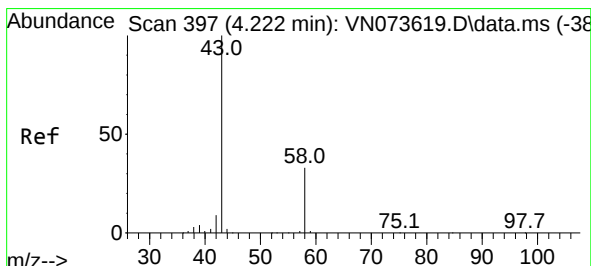
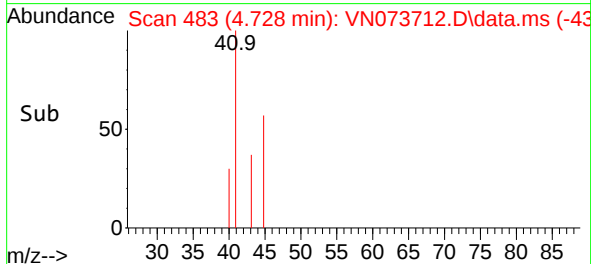
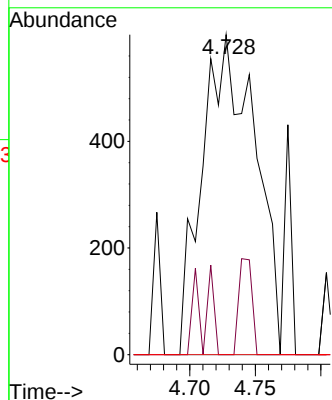
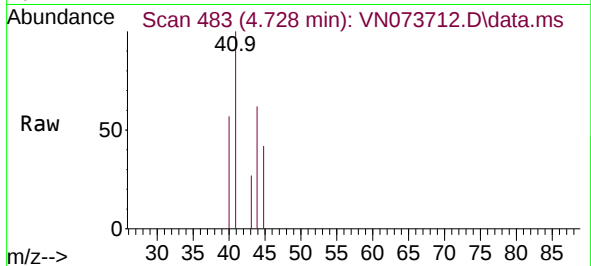




#14
 Allyl chloride
 Concen: 0.315 ug/l
 RT: 4.728 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: VN073712.D
 Acq: 03 Aug 2022 15:24

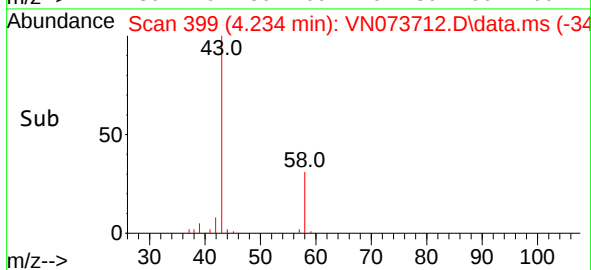
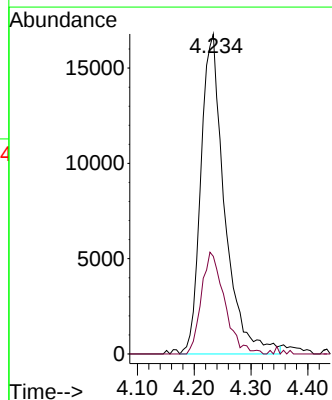
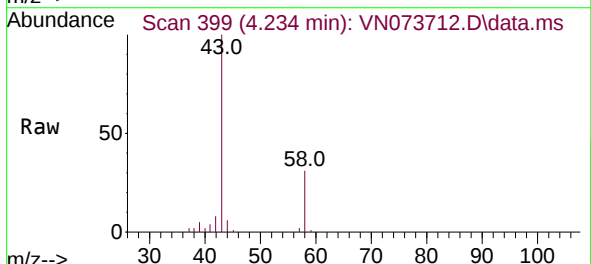
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-30

Tgt Ion: 41 Resp: 1691
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 21.061 ug/l
 RT: 4.234 min Scan# 399
 Delta R.T. 0.012 min
 Lab File: VN073712.D
 Acq: 03 Aug 2022 15:24

Tgt Ion: 43 Resp: 48778
 Ion Ratio Lower Upper
 43 100
 58 30.5 26.0 39.0



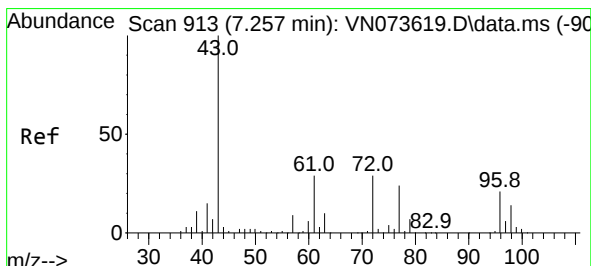
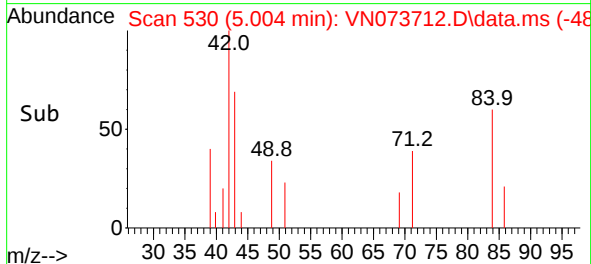
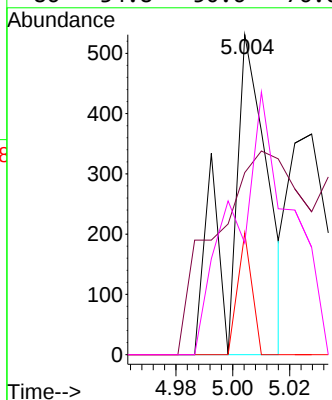
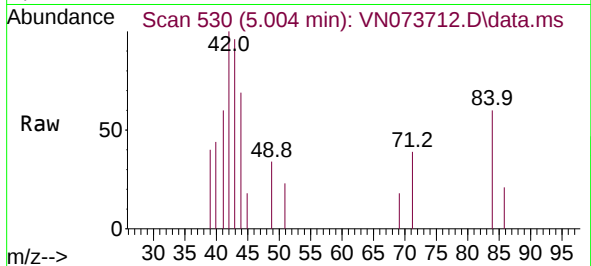


#20
Methylene Chloride
Concen: Below Cal
RT: 5.004 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN073712.D
Acq: 03 Aug 2022 15:24

Instrument :
MSVOA_N
ClientSampleId :
MW-30

Tgt Ion: 84 Resp: 503

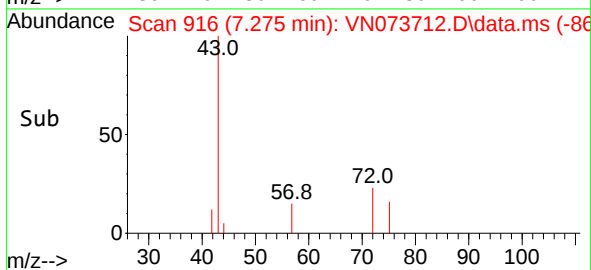
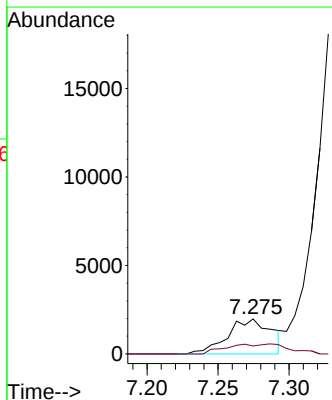
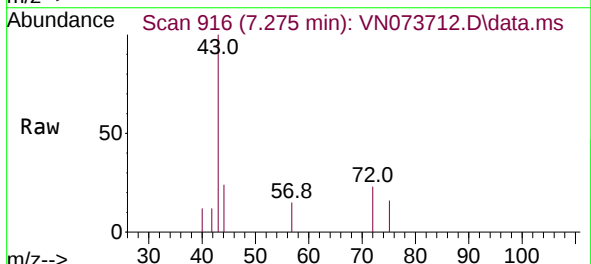
Ion	Ratio	Lower	Upper
84	100		
49	56.9	88.3	132.5#
51	38.0	28.2	42.2
86	34.8	50.6	76.0#

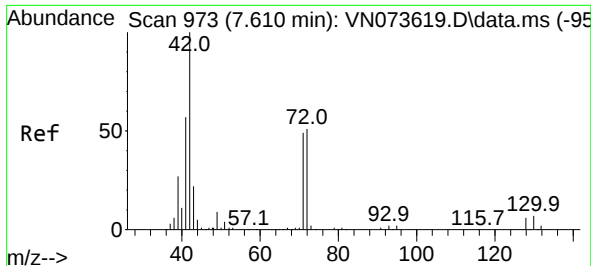


#25
2-Butanone
Concen: 1.181 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN073712.D
Acq: 03 Aug 2022 15:24

Tgt Ion: 43 Resp: 4249

Ion	Ratio	Lower	Upper
43	100		
72	22.9	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.294 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN073712.D

Acq: 03 Aug 2022 15:24

Instrument :

MSVOA_N

ClientSampleId :

MW-30

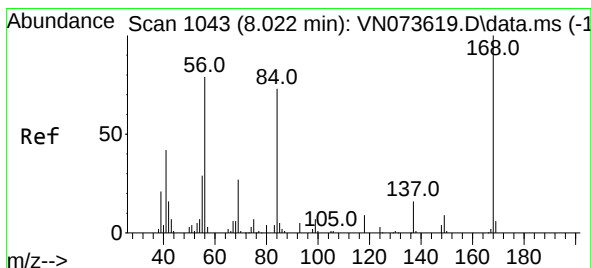
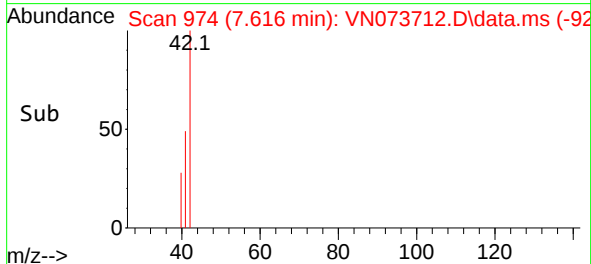
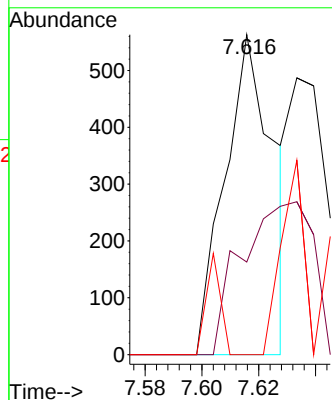
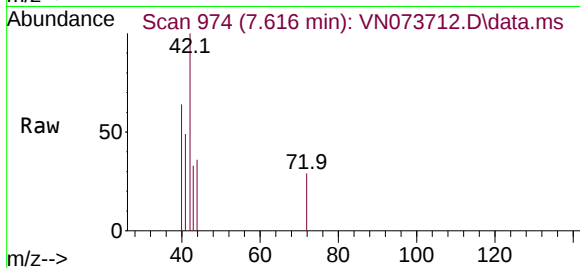
Tgt Ion: 42 Resp: 668

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 9.4 36.6 55.0#



#31

Cyclohexane

Concen: 1.235 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073712.D

Acq: 03 Aug 2022 15:24

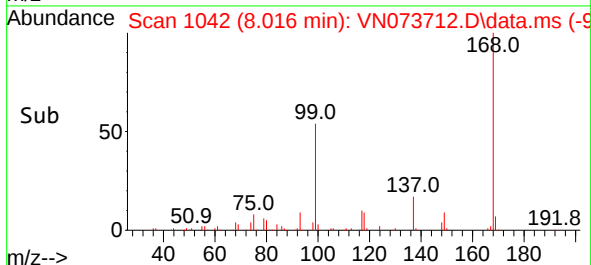
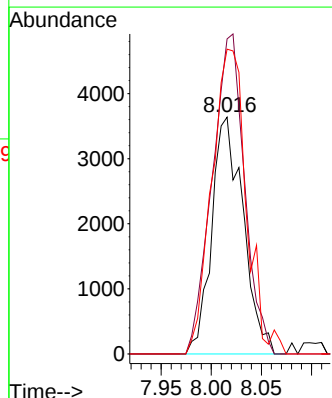
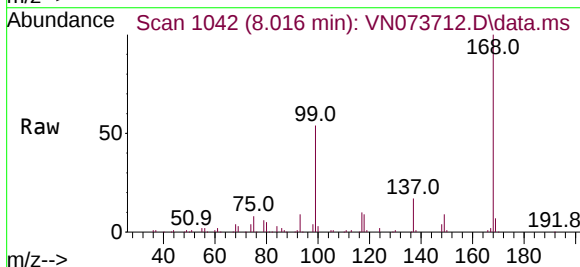
Tgt Ion: 56 Resp: 7928

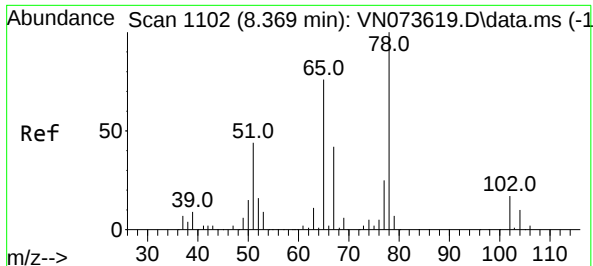
Ion Ratio Lower Upper

56 100

69 133.0 27.8 41.8#

84 128.7 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 49.421 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073712.D

Acq: 03 Aug 2022 15:24

Instrument :

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ClientSampleId :

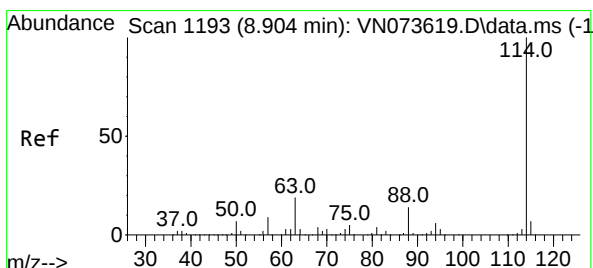
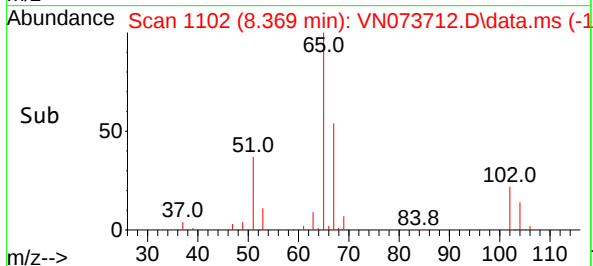
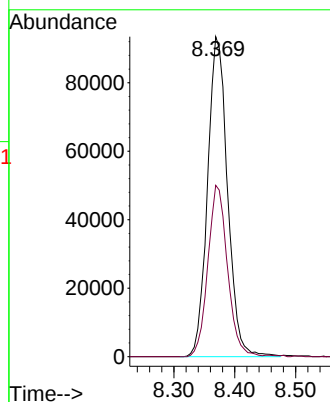
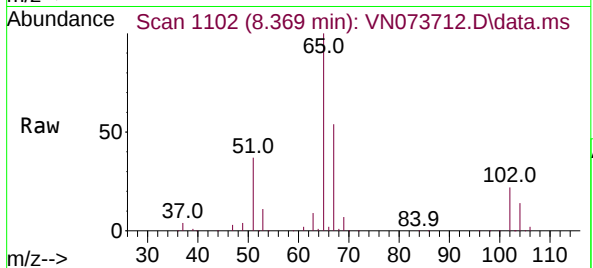
MW-30

Tgt Ion: 65 Resp: 213108

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: VN073712.D

Acq: 03 Aug 2022 15:24

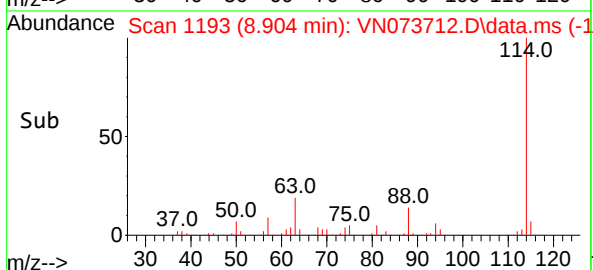
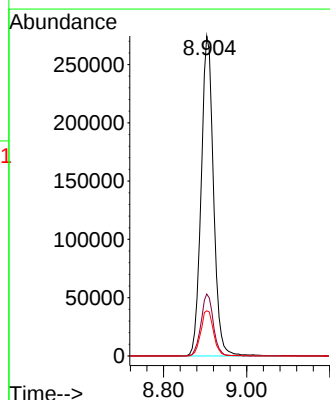
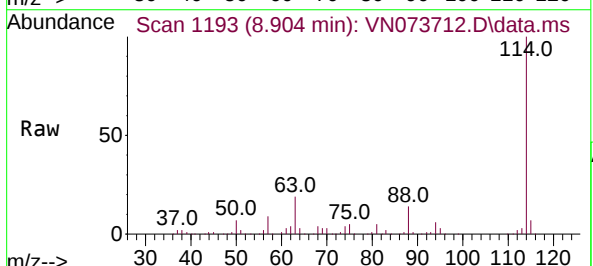
Tgt Ion: 114 Resp: 566840

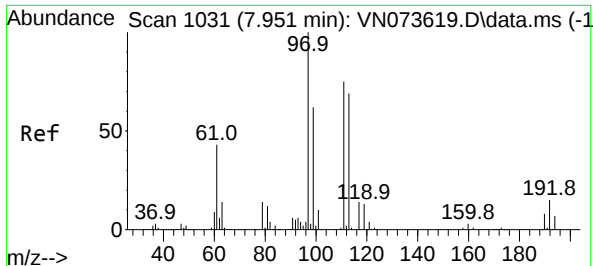
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 14.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.162 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN073712.D

Acq: 03 Aug 2022 15:24

Instrument :

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ClientSampleId :

MW-30

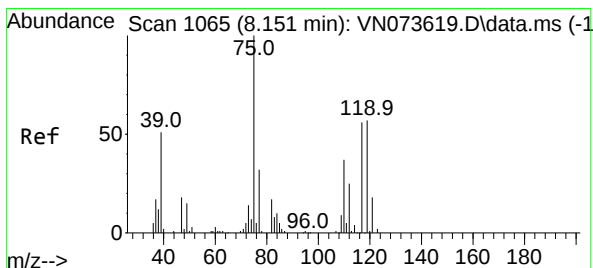
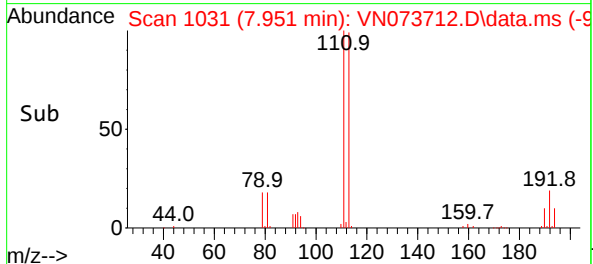
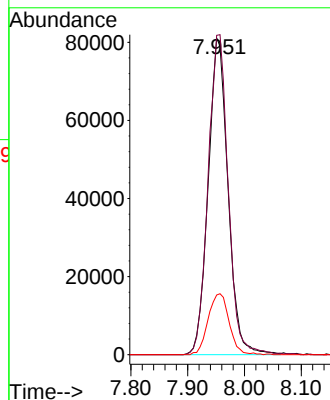
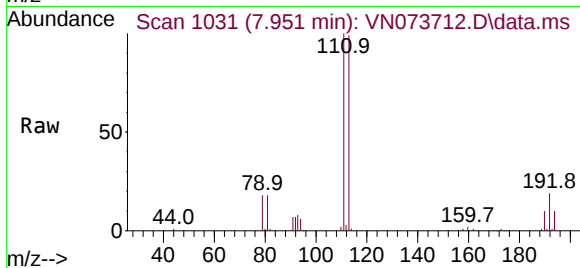
Tgt Ion:113 Resp: 196343

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 20.4 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.291 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN073712.D

Acq: 03 Aug 2022 15:24

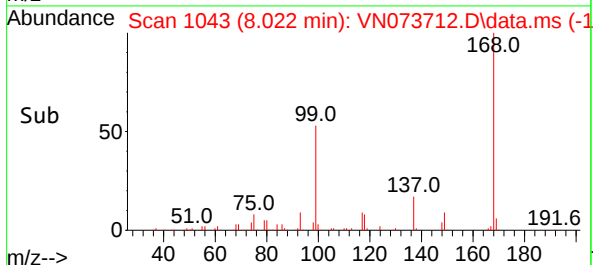
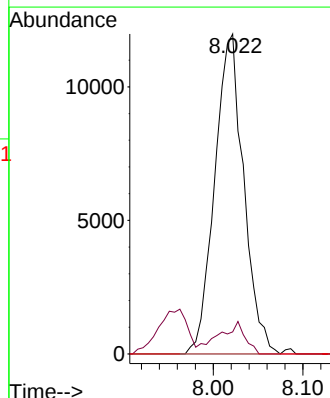
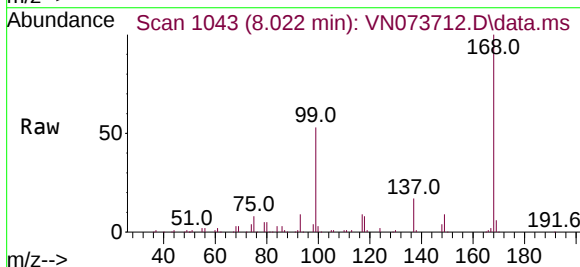
Tgt Ion: 75 Resp: 26843

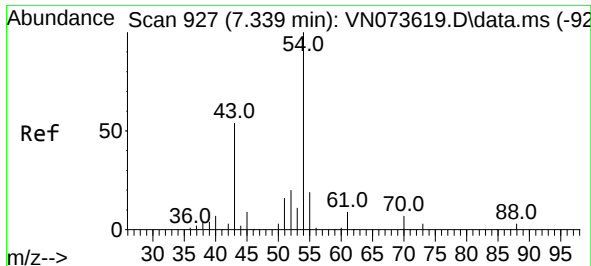
Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

77 0.0 25.1 37.7#

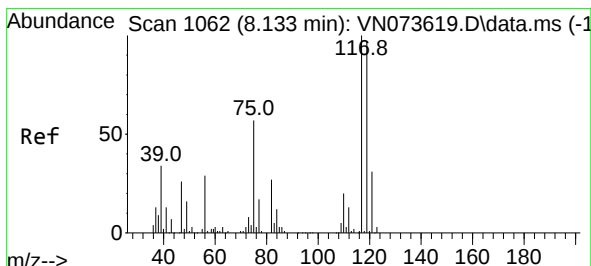
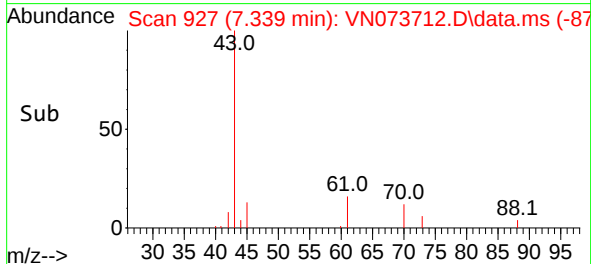
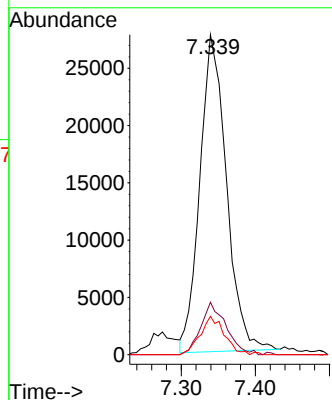
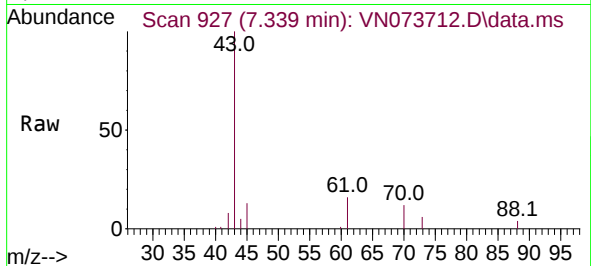




#37
Ethyl Acetate
Concen: 10.315 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN073712.D
Acq: 03 Aug 2022 15:24

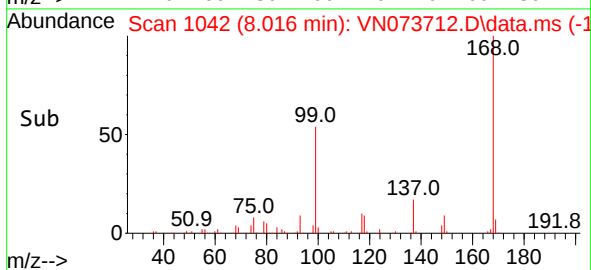
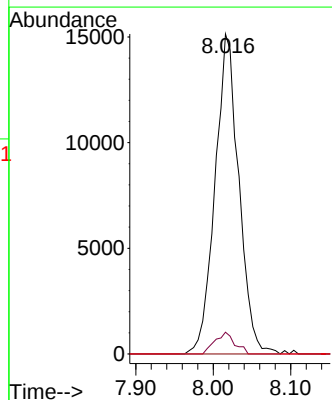
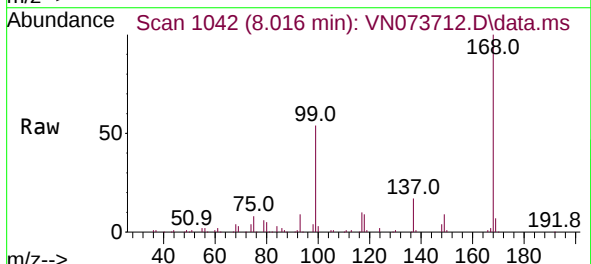
Instrument :
MSVOA_N
ClientSampleId :
MW-30

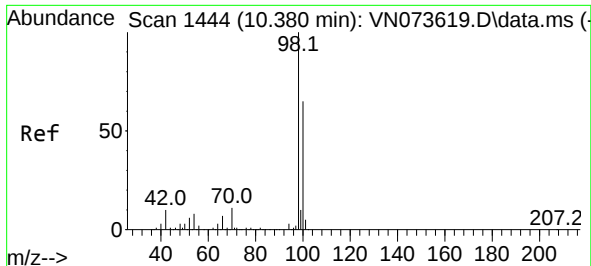
Tgt Ion:	43	Resp:	68913
Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.8	17.6
70	11.0	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.277 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073712.D
Acq: 03 Aug 2022 15:24

Tgt Ion:	117	Resp:	32342
Ion	Ratio	Lower	Upper
117	100		
119	6.8	75.8	113.8#
121	0.0	24.6	37.0#

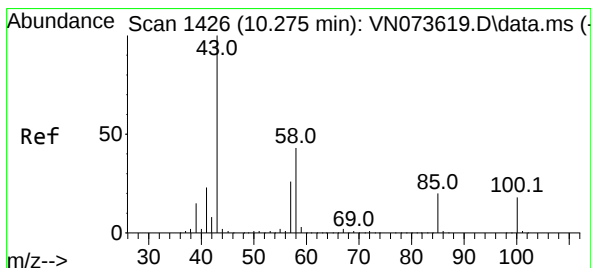
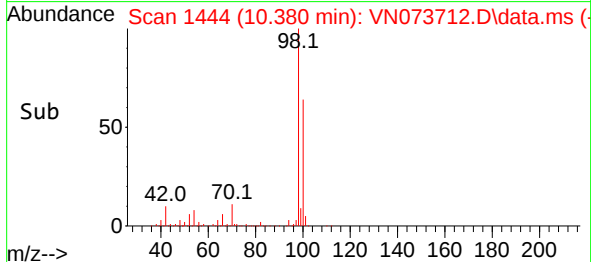
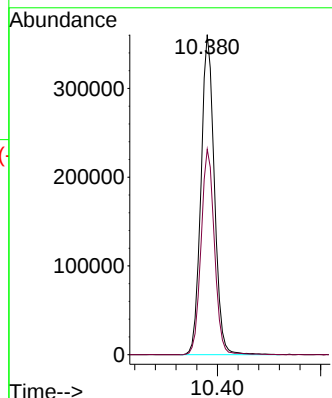
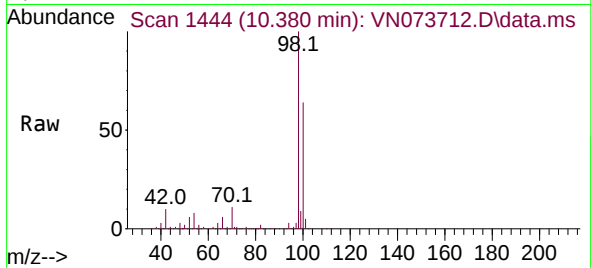




#50
Toluene-d8
Concen: 46.191 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073712.D
Acq: 03 Aug 2022 15:24

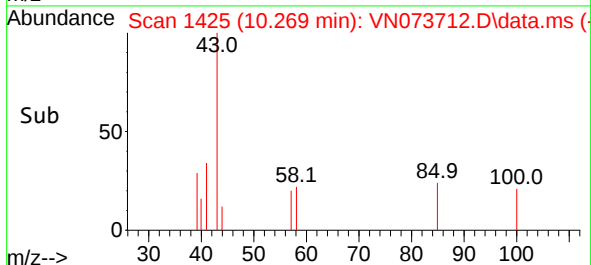
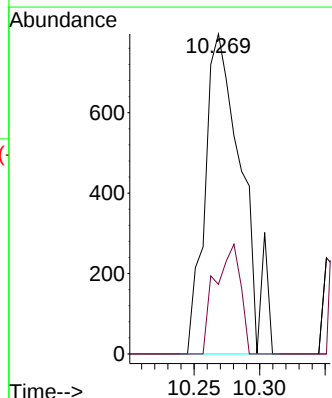
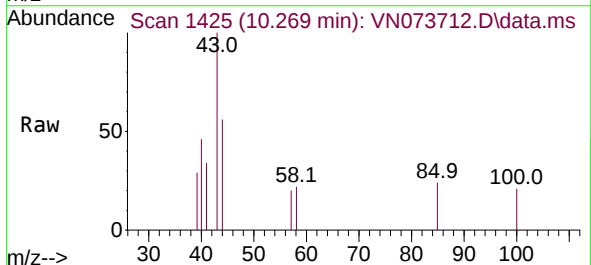
Instrument :
MSVOA_N
ClientSampleId :
MW-30

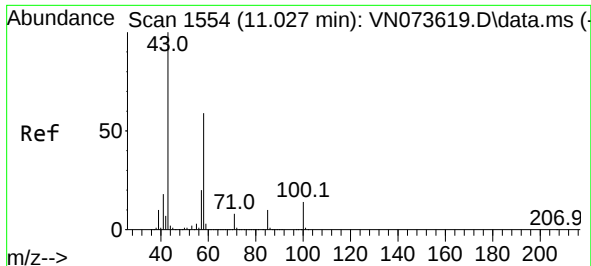
Tgt Ion: 98 Resp: 646984
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.240 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073712.D
Acq: 03 Aug 2022 15:24

Tgt Ion: 43 Resp: 1553
Ion Ratio Lower Upper
43 100
58 23.5 34.1 51.1#

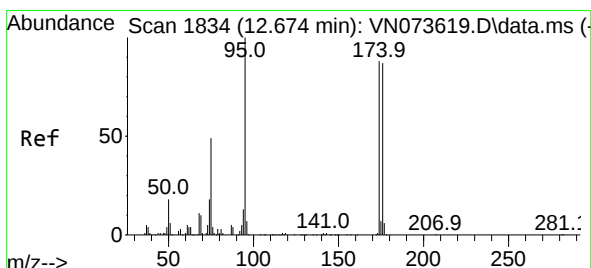
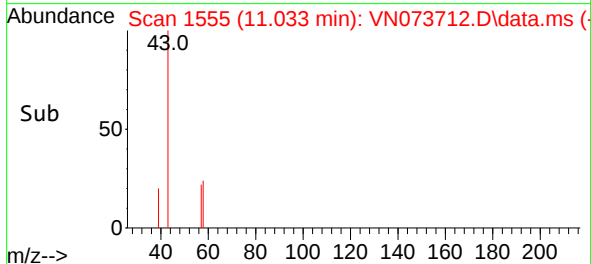
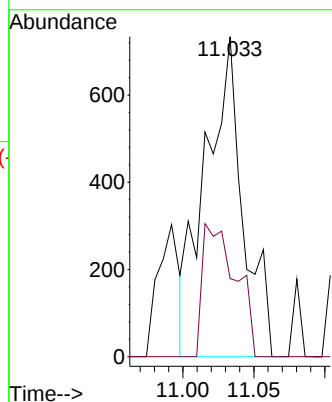
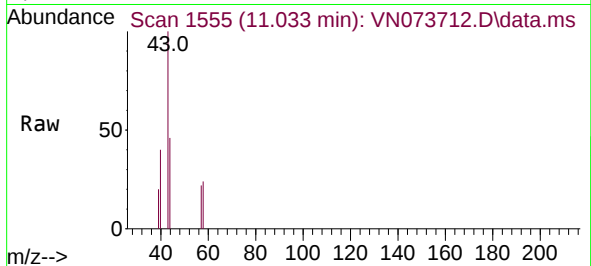




#59
2-Hexanone
Concen: 0.276 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073712.D
Acq: 03 Aug 2022 15:24

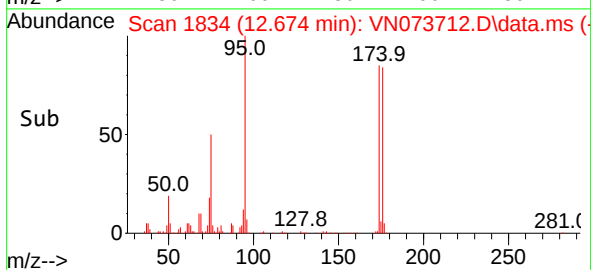
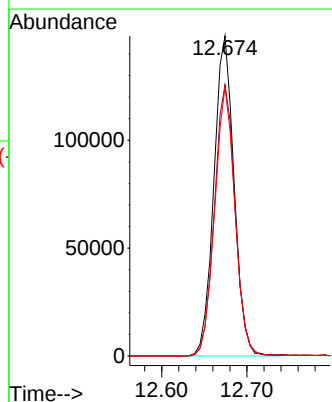
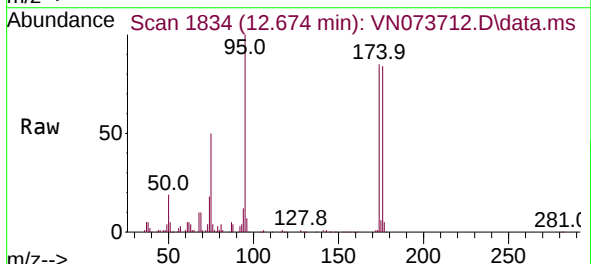
Instrument :
MSVOA_N
ClientSampleId :
MW-30

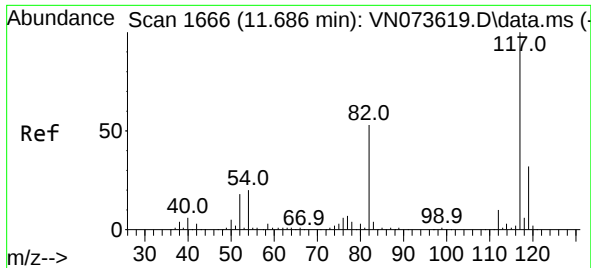
Tgt Ion: 43 Resp: 1353
Ion Ratio Lower Upper
43 100
58 36.7 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 51.715 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073712.D
Acq: 03 Aug 2022 15:24

Tgt Ion: 95 Resp: 243614
Ion Ratio Lower Upper
95 100
174 86.5 0.0 167.6
176 84.4 0.0 163.4

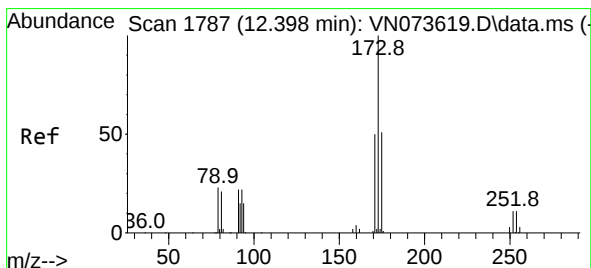
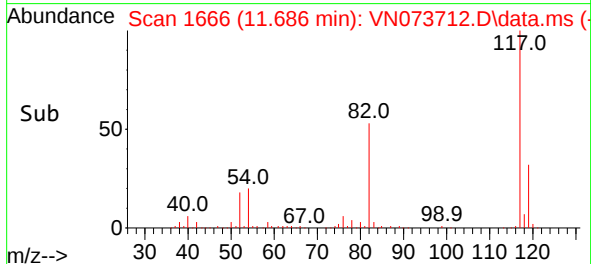
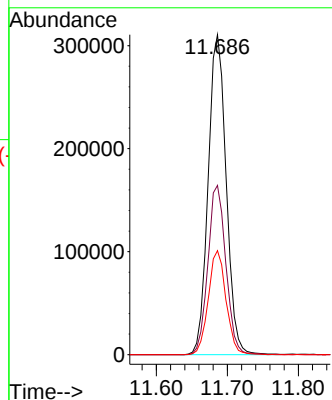
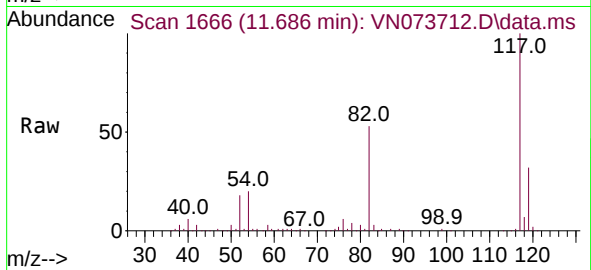




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN073712.D
Acq: 03 Aug 2022 15:24

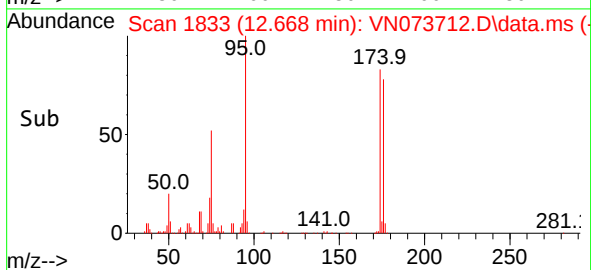
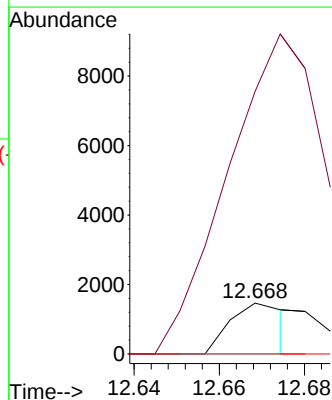
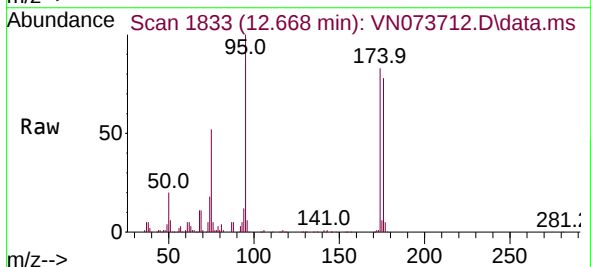
Instrument :
MSVOA_N
ClientSampleId :
MW-30

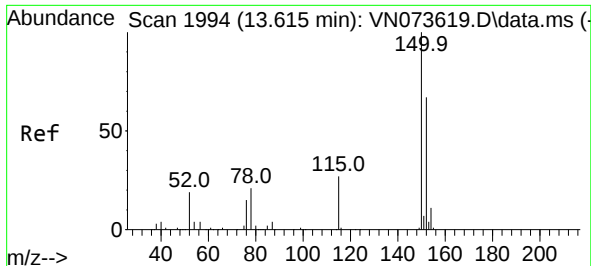
Tgt Ion:117 Resp: 548009
Ion Ratio Lower Upper
117 100
82 52.9 44.2 66.2
119 32.5 25.4 38.0



#71
Bromoform
Concen: 0.382 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073712.D
Acq: 03 Aug 2022 15:24

Tgt Ion:173 Resp: 1315
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

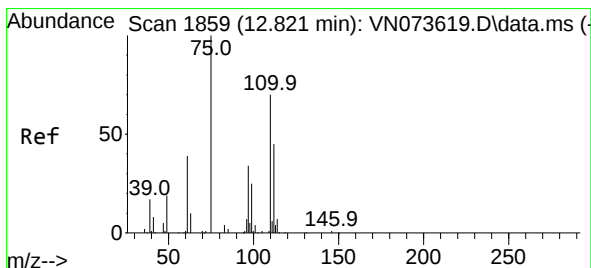
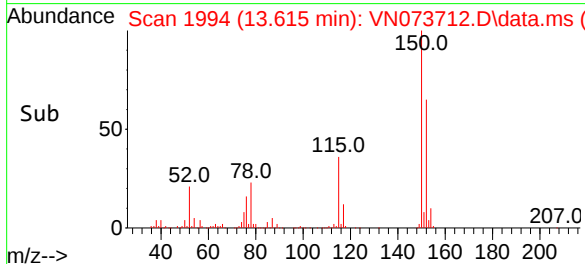
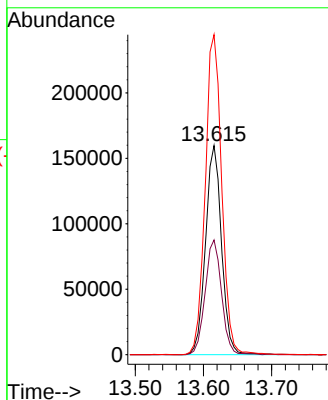
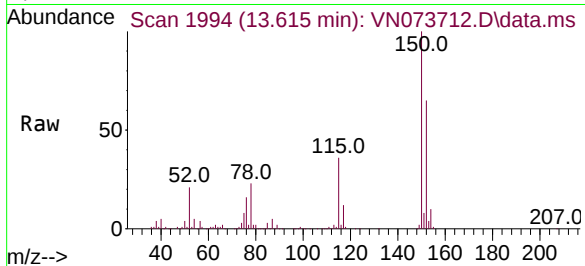




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. -0.000 min
 Lab File: VN073712.D
 Acq: 03 Aug 2022 15:24

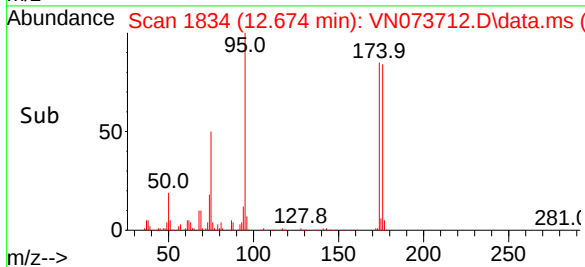
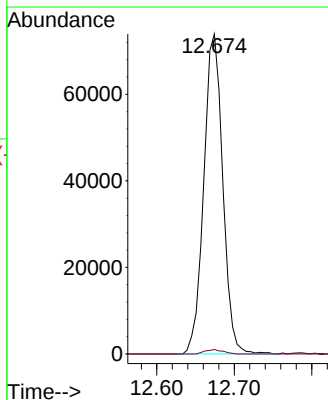
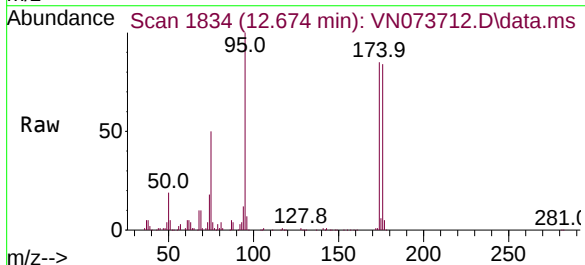
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-30

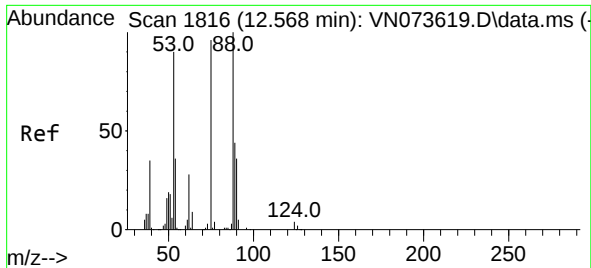
Tgt Ion:152 Resp: 261178
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.9 86.7
 150 157.4 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 24.652 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN073712.D
 Acq: 03 Aug 2022 15:24

Tgt Ion: 75 Resp: 125767
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.404 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073712.D
 Acq: 03 Aug 2022 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-30

Tgt Ion: 75 Resp: 125767
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

