

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080322\
 Data File : VN073720.D
 Acq On : 03 Aug 2022 18:42
 Operator : JC\MD
 Sample : N3972-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13R

Quant Time: Aug 04 05:37:35 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)

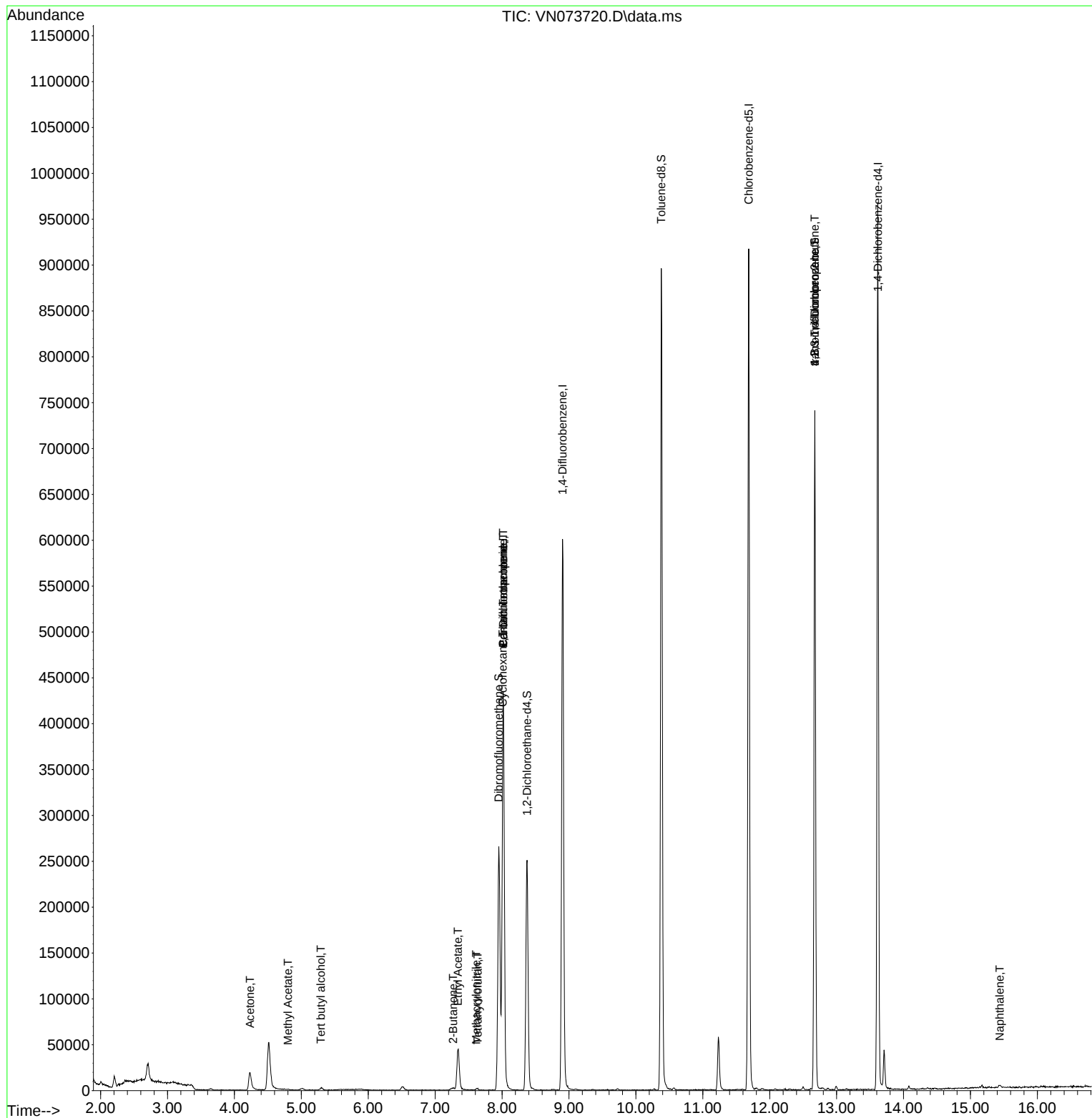
Internal Standards						
1) Pentafluorobenzene	8.016	168	346694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	553917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	535662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	258193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	209441	49.572	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.140%		
35) Dibromofluoromethane	7.951	113	195590	56.232	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	112.460%		
50) Toluene-d8	10.380	98	632929	46.242	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.480%		
62) 4-Bromofluorobenzene	12.674	95	235471	51.245	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.500%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.257	50	975	Below Cal		90
6) Chloroethane	2.963	64	633	Below Cal	#	42
11) Tert butyl alcohol	5.293	59	2244	2.463	ug/l #	80
16) Acetone	4.234	43	36280	15.987	ug/l	100
18) Methyl Acetate	4.798	43	1527	0.270	ug/l #	48
20) Methylene Chloride	4.998	84	571	Below Cal	#	71
25) 2-Butanone	7.269	43	2785	0.790	ug/l	89
29) Tetrahydrofuran	7.634	42	1307	0.587	ug/l #	72
31) Cyclohexane	8.010	56	6814	1.083	ug/l #	17
36) 1,1-Dichloropropene	8.016	75	25524	5.149	ug/l #	48
37) Ethyl Acetate	7.339	43	71384	10.934	ug/l	99
38) Carbon Tetrachloride	8.016	117	33590	6.671	ug/l #	16
41) Methacrylonitrile	7.616	41	793	0.268	ug/l #	35
76) 1,2,3-Trichloropropane	12.674	75	122531	24.245	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	122531	61.501	ug/l #	10
95) Naphthalene	15.439	128	3767	0.257	ug/l #	83

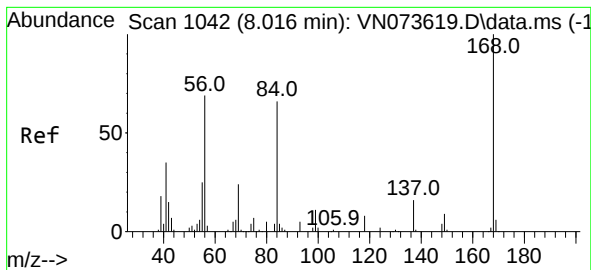
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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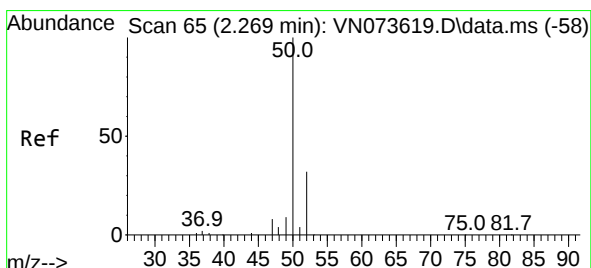
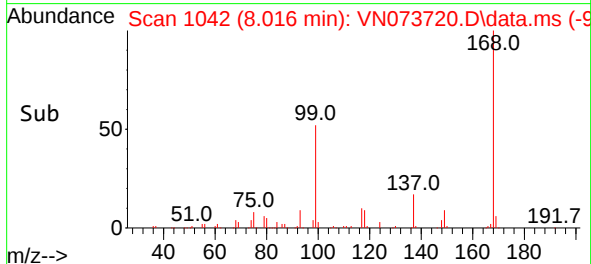
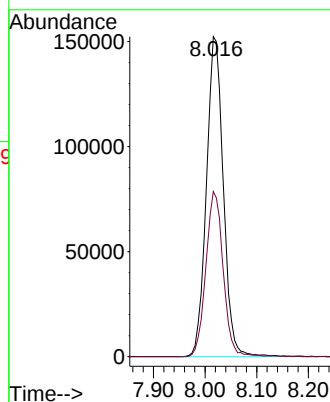
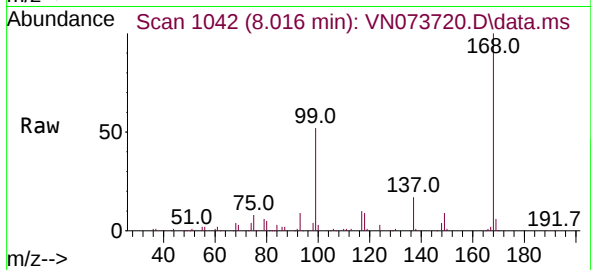




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073720.D
Acq: 03 Aug 2022 18:42

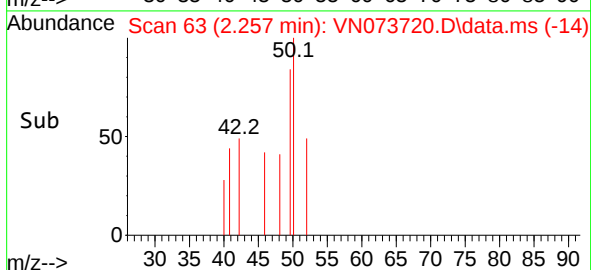
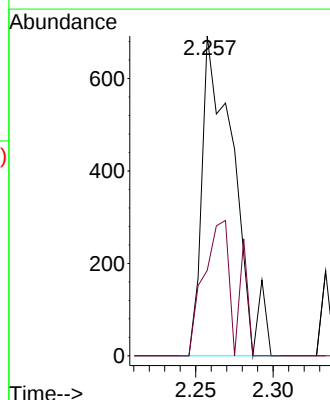
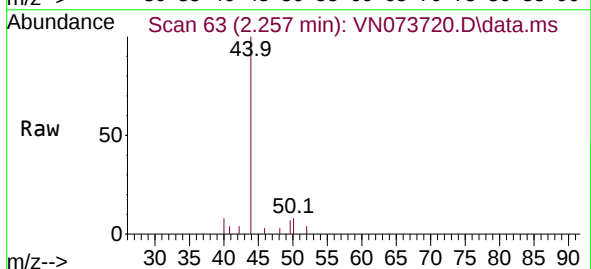
Instrument :
MSVOA_N
ClientSampleId :
MW-13R

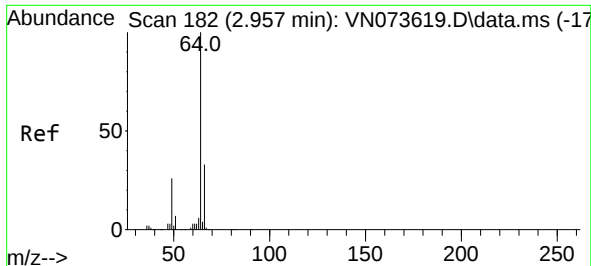
Tgt Ion:168 Resp: 346694
Ion Ratio Lower Upper
168 100
99 51.6 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.257 min Scan# 63
Delta R.T. -0.012 min
Lab File: VN073720.D
Acq: 03 Aug 2022 18:42

Tgt Ion: 50 Resp: 975
Ion Ratio Lower Upper
50 100
52 26.7 25.7 38.5

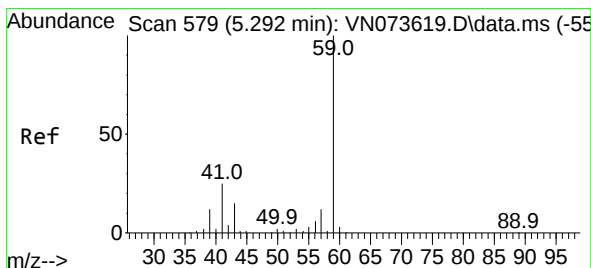
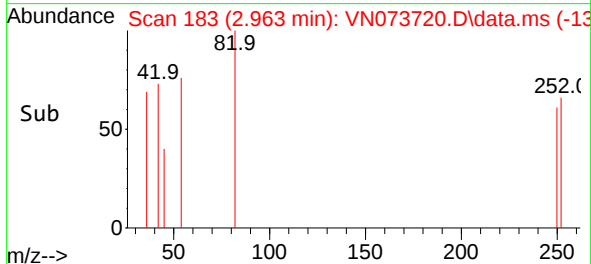
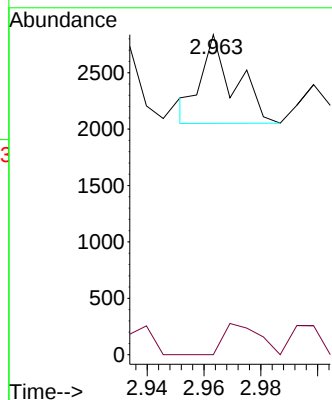
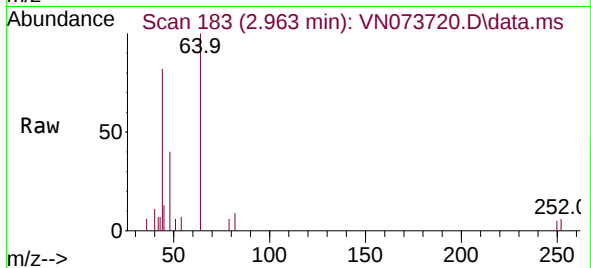




#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073720.D
Acq: 03 Aug 2022 18:42

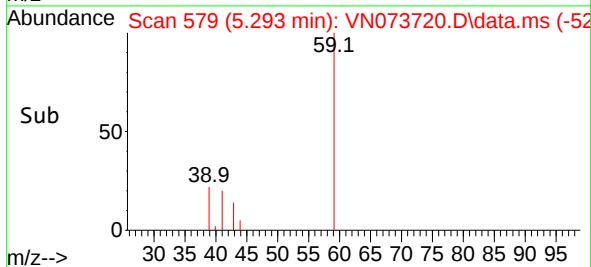
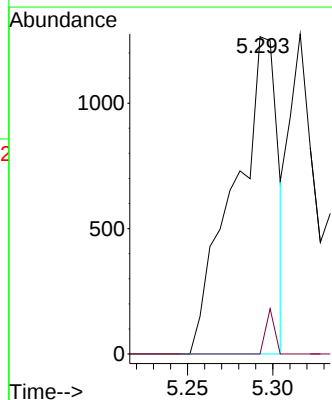
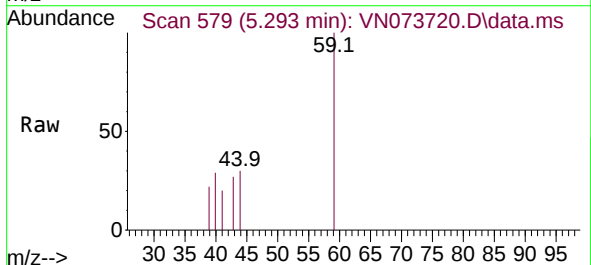
Instrument :
MSVOA_N
ClientSampleId :
MW-13R

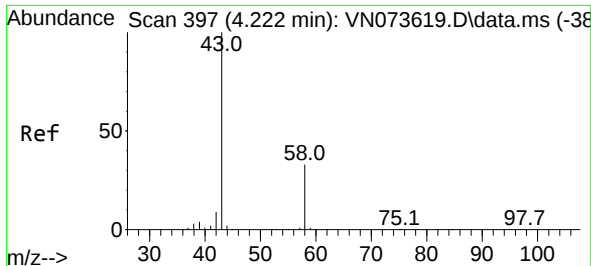
Tgt Ion: 64 Resp: 633
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.463 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.001 min
Lab File: VN073720.D
Acq: 03 Aug 2022 18:42

Tgt Ion: 59 Resp: 2244
Ion Ratio Lower Upper
59 100
57 2.9 8.3 12.5#





#16

Acetone

Concen: 15.987 ug/l

RT: 4.234 min Scan# 397

Delta R.T. 0.012 min

Lab File: VN073720.D

Acq: 03 Aug 2022 18:42

Instrument :

MSVOA_N

ClientSampleId :

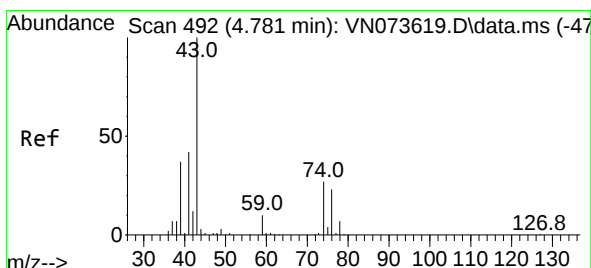
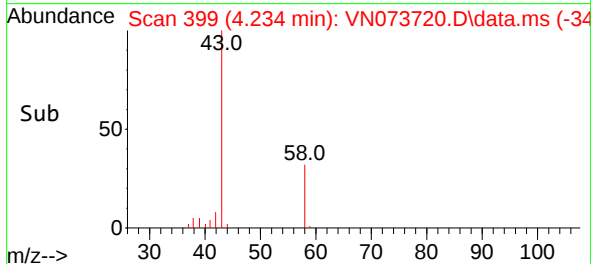
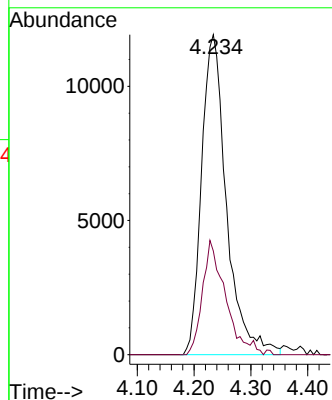
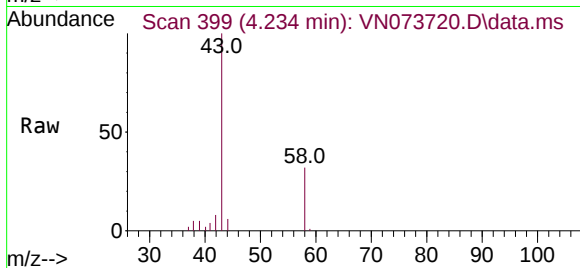
MW-13R

Tgt Ion: 43 Resp: 36280

Ion Ratio Lower Upper

43 100

58 32.4 26.0 39.0



#18

Methyl Acetate

Concen: 0.270 ug/l

RT: 4.798 min Scan# 495

Delta R.T. 0.018 min

Lab File: VN073720.D

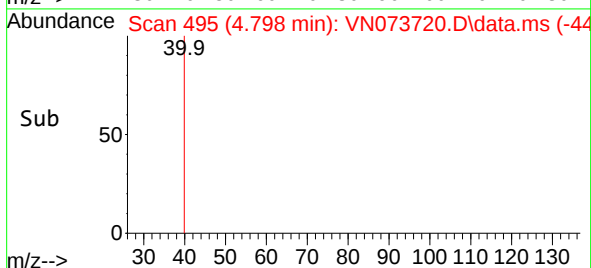
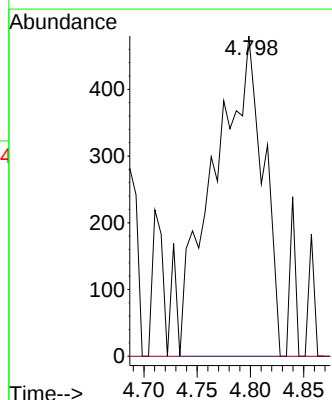
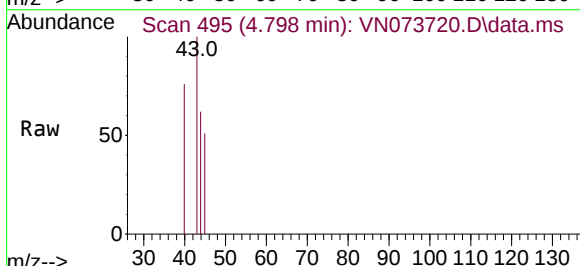
Acq: 03 Aug 2022 18:42

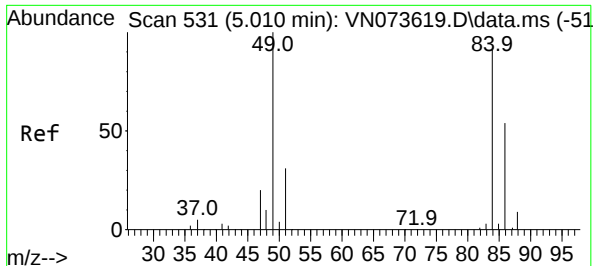
Tgt Ion: 43 Resp: 1527

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#



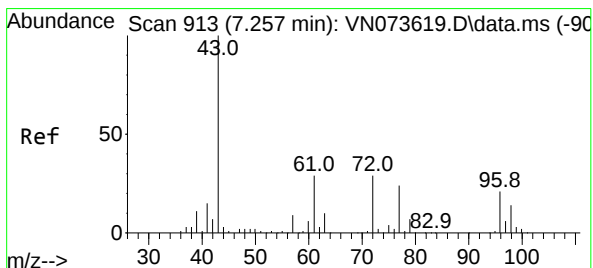
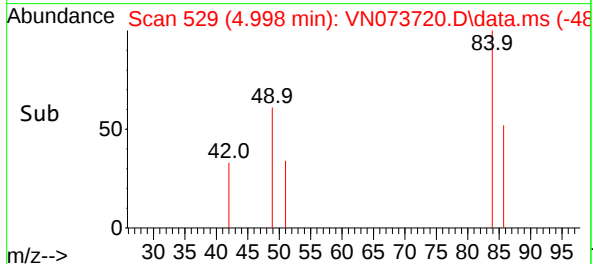
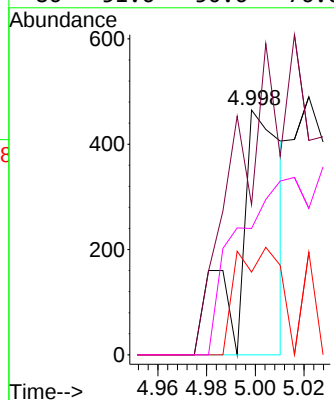
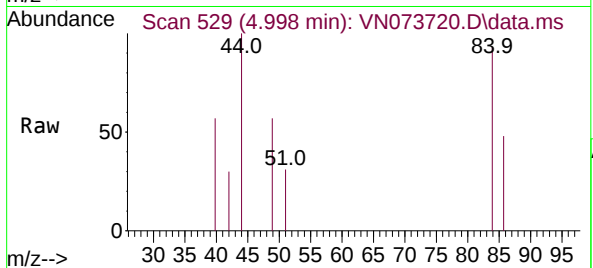


#20
Methylene Chloride
Concen: Below Cal
RT: 4.998 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN073720.D
Acq: 03 Aug 2022 18:42

Instrument :
MSVOA_N
ClientSampleId :
MW-13R

Tgt Ion: 84 Resp: 571

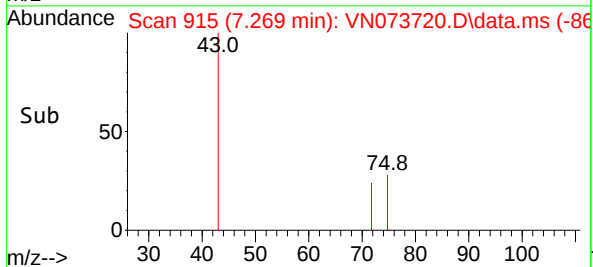
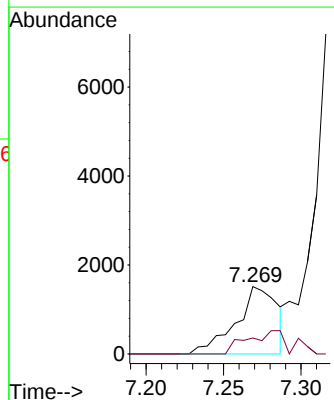
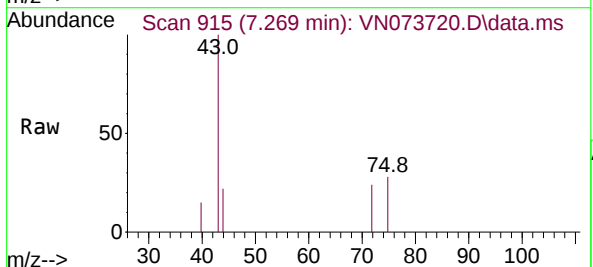
Ion	Ratio	Lower	Upper
84	100		
49	61.3	88.3	132.5#
51	33.8	28.2	42.2
86	51.6	50.6	76.0

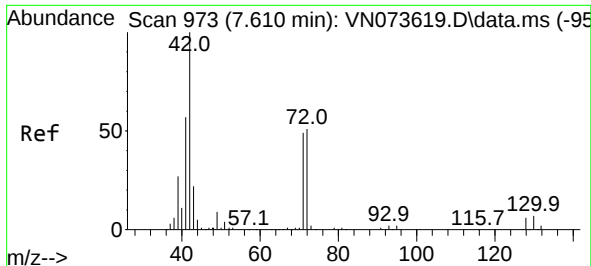


#25
2-Butanone
Concen: 0.790 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073720.D
Acq: 03 Aug 2022 18:42

Tgt Ion: 43 Resp: 2785

Ion	Ratio	Lower	Upper
43	100		
72	23.9	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.587 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN073720.D

Acq: 03 Aug 2022 18:42

Instrument :

MSVOA_N

ClientSampleId :

MW-13R

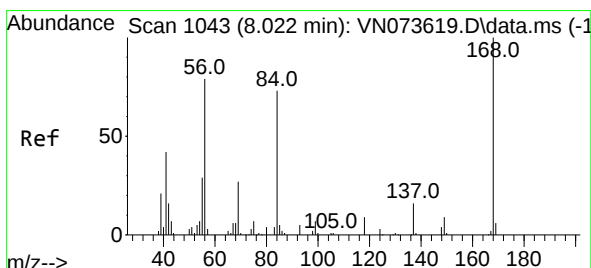
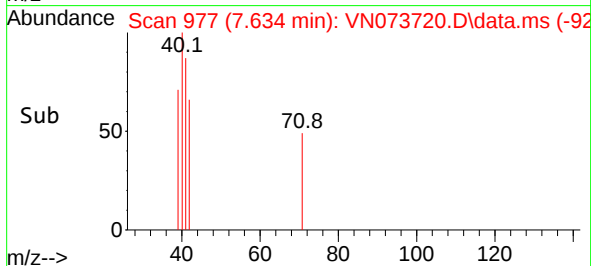
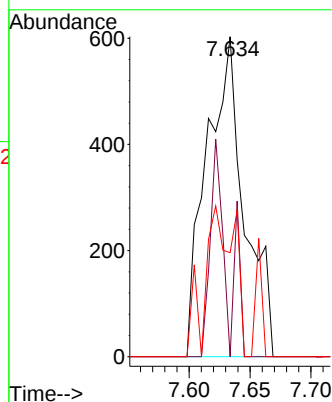
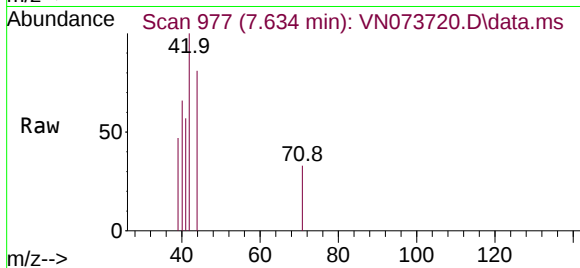
Tgt Ion: 42 Resp: 1307

Ion Ratio Lower Upper

42 100

72 21.6 39.7 59.5#

71 36.5 36.6 55.0#



#31

Cyclohexane

Concen: 1.083 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073720.D

Acq: 03 Aug 2022 18:42

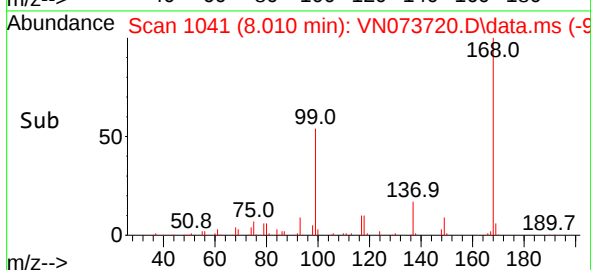
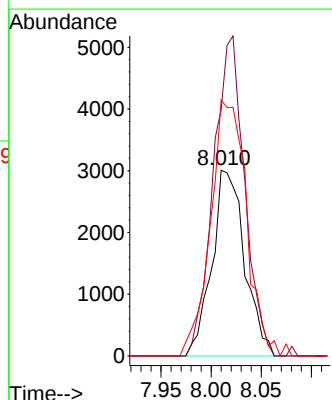
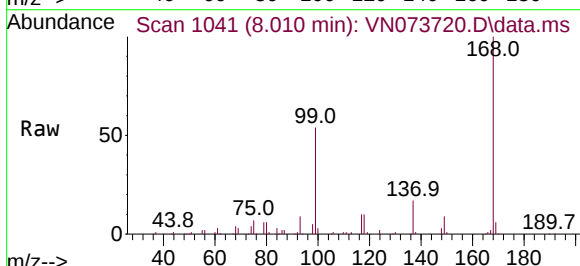
Tgt Ion: 56 Resp: 6814

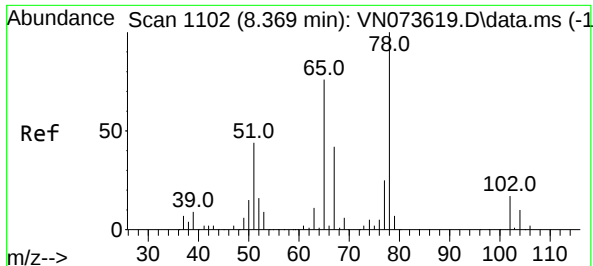
Ion Ratio Lower Upper

56 100

69 132.7 27.8 41.8#

84 146.5 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 49.572 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073720.D

Acq: 03 Aug 2022 18:42

Instrument :

MSVOA_N

ClientSampleId :

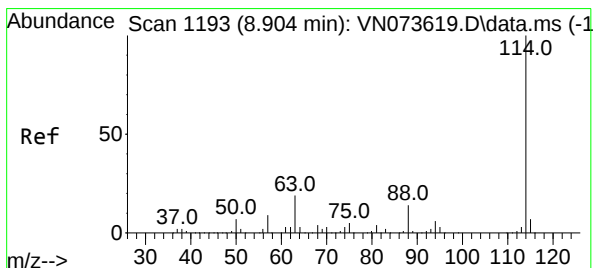
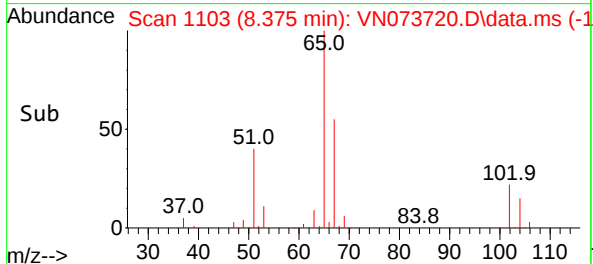
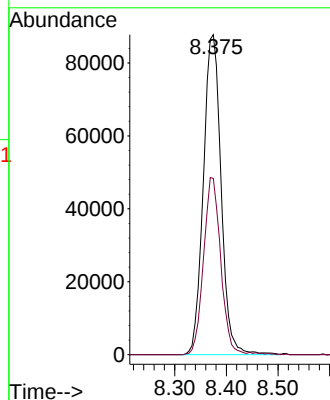
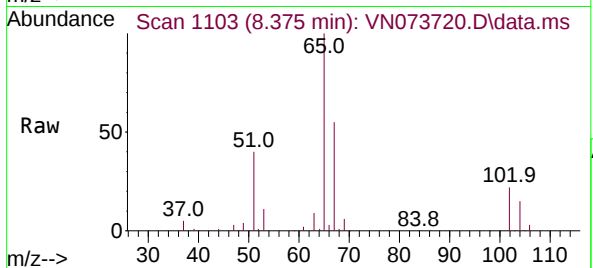
MW-13R

Tgt Ion: 65 Resp: 209441

Ion Ratio Lower Upper

65 100

67 53.4 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: VN073720.D

Acq: 03 Aug 2022 18:42

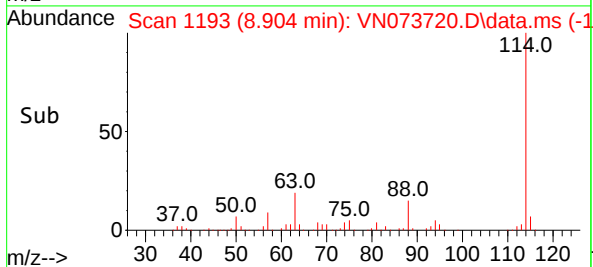
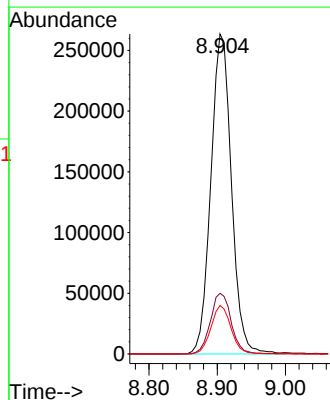
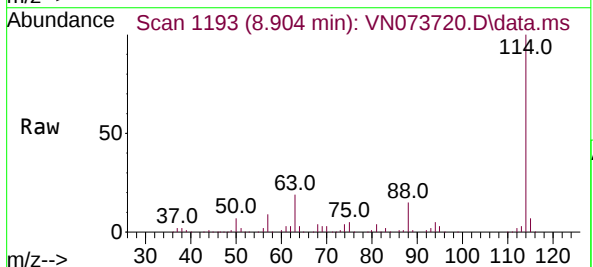
Tgt Ion: 114 Resp: 553917

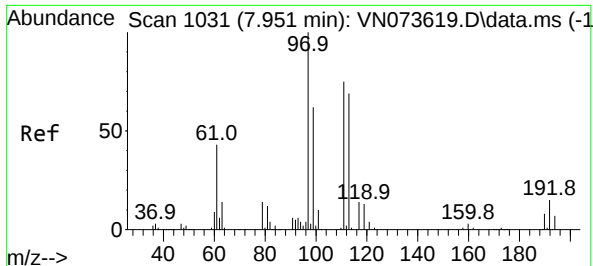
Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 56.232 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073720.D

Acq: 03 Aug 2022 18:42

Instrument :

MSVOA_N

ClientSampleId :

MW-13R

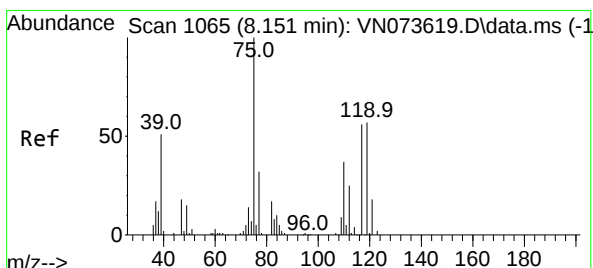
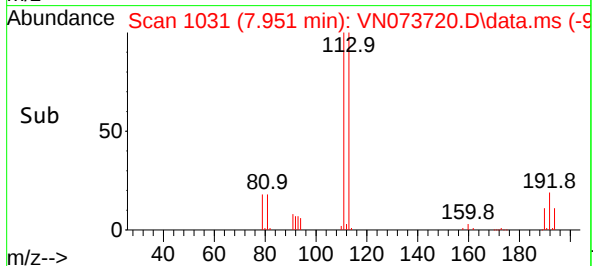
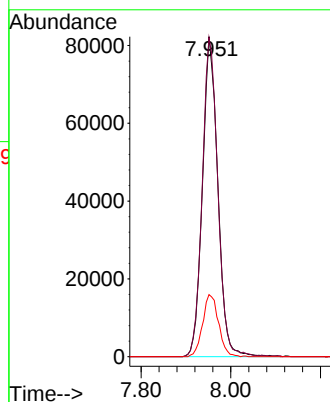
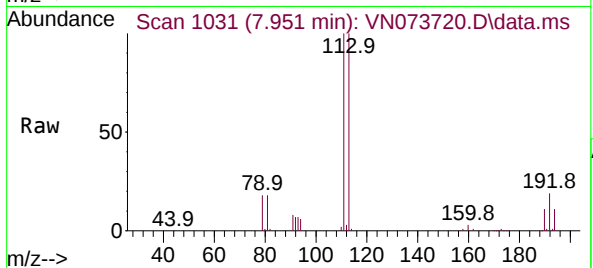
Tgt Ion:113 Resp: 195590

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.0

192 20.0 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.149 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073720.D

Acq: 03 Aug 2022 18:42

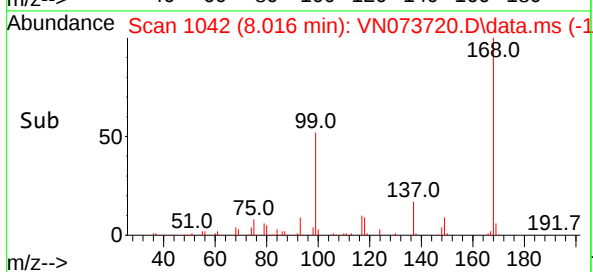
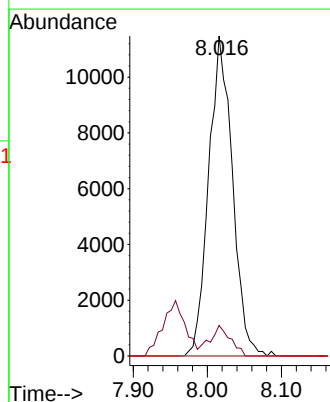
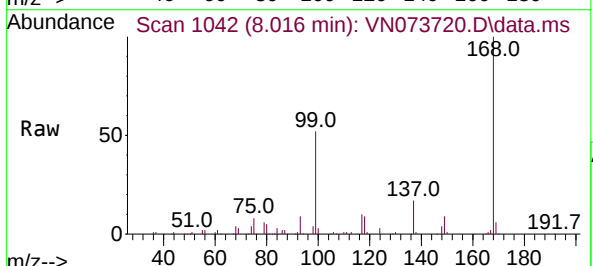
Tgt Ion: 75 Resp: 25524

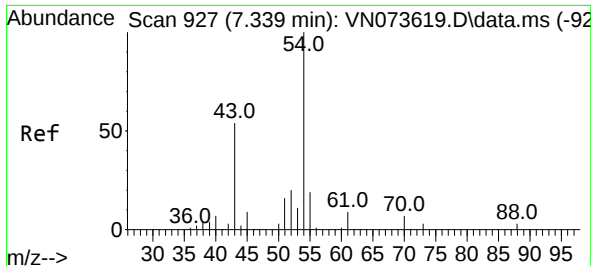
Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

77 0.0 25.1 37.7#

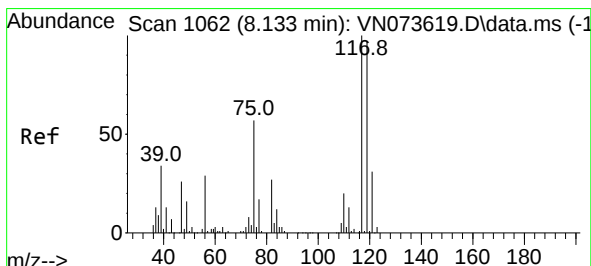
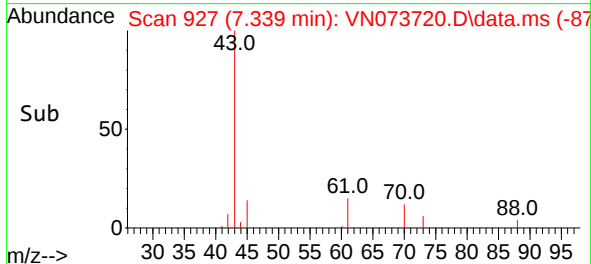
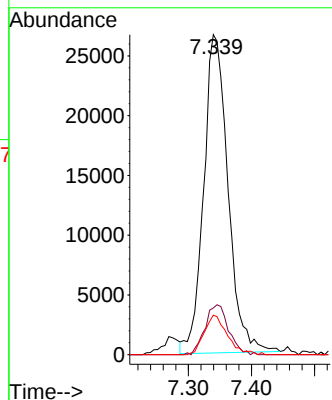
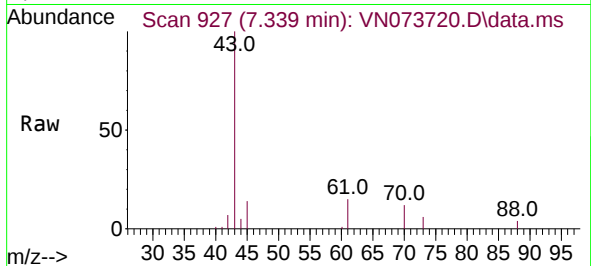




#37
Ethyl Acetate
Concen: 10.934 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073720.D
Acq: 03 Aug 2022 18:42

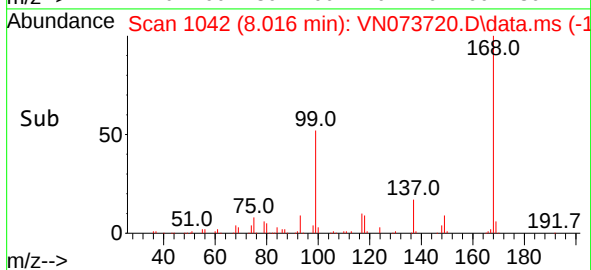
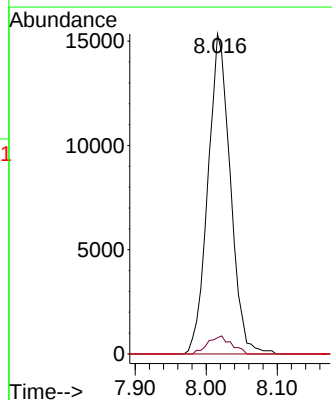
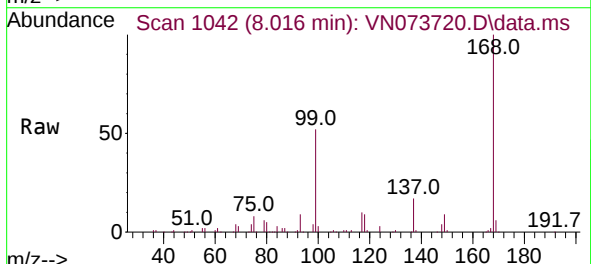
Instrument :
MSVOA_N
ClientSampleId :
MW-13R

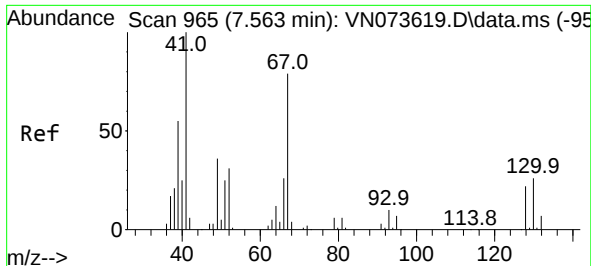
Tgt Ion:	43	Resp:	71384
Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.6
70	11.8	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.671 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073720.D
Acq: 03 Aug 2022 18:42

Tgt Ion:	117	Resp:	33590
Ion	Ratio	Lower	Upper
117	100		
119	5.1	75.8	113.8#
121	0.0	24.6	37.0#

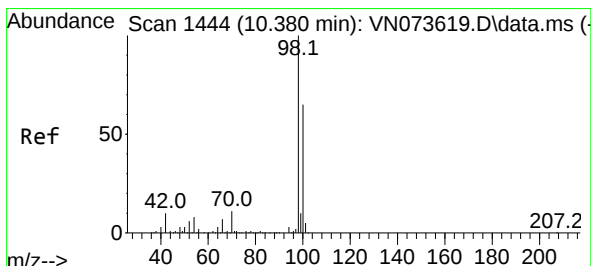
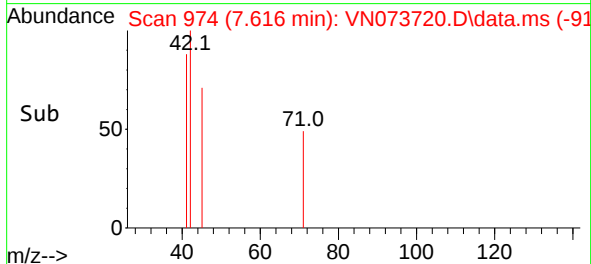
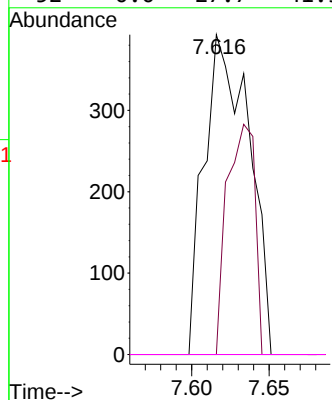
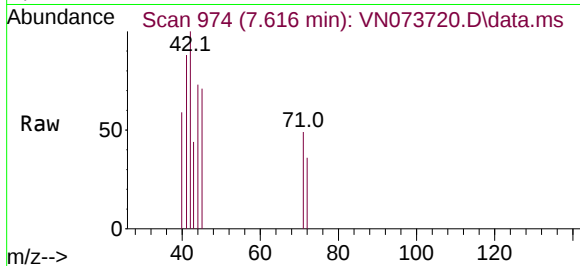




#41
Methacrylonitrile
Concen: 0.268 ug/l
RT: 7.616 min Scan# 91
Delta R.T. 0.053 min
Lab File: VN073720.D
Acq: 03 Aug 2022 18:42

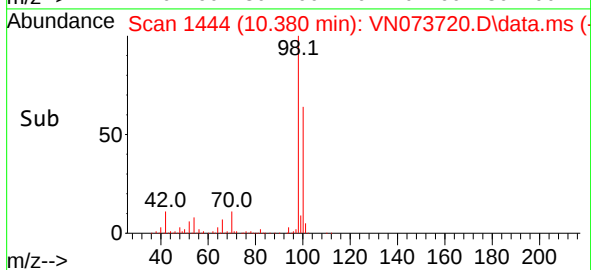
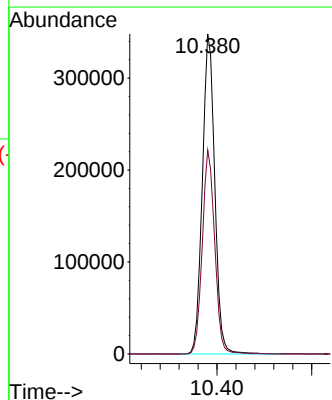
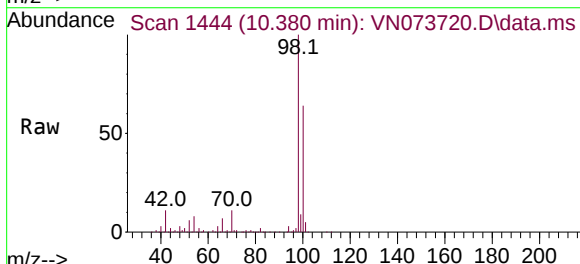
Instrument :
MSVOA_N
ClientSampleId :
MW-13R

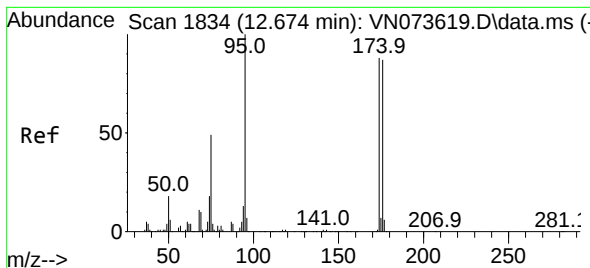
Tgt Ion: 41 Resp: 793
Ion Ratio Lower Upper
41 100
39 44.5 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#50
Toluene-d8
Concen: 46.242 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073720.D
Acq: 03 Aug 2022 18:42

Tgt Ion: 98 Resp: 632929
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8

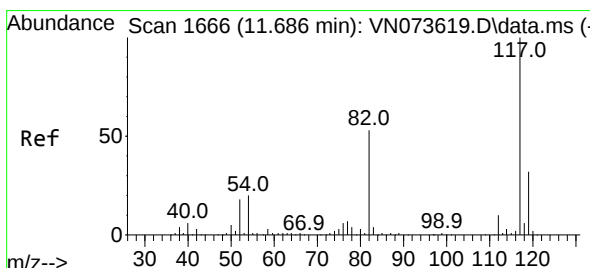
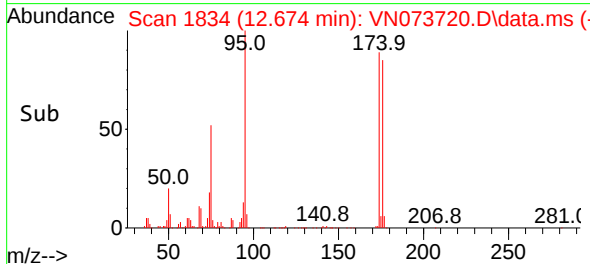
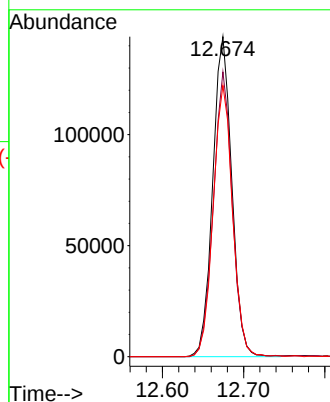
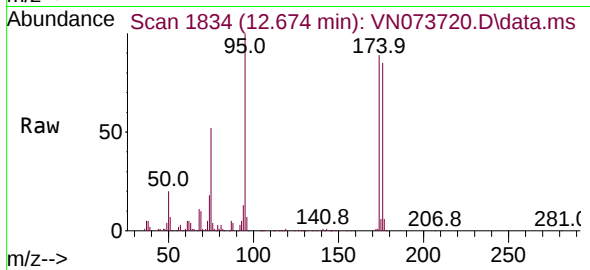




#62
4-Bromofluorobenzene
Concen: 51.245 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073720.D
Acq: 03 Aug 2022 18:42

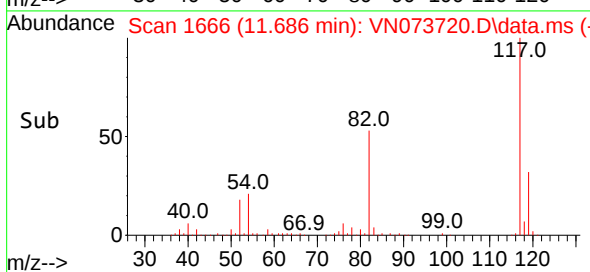
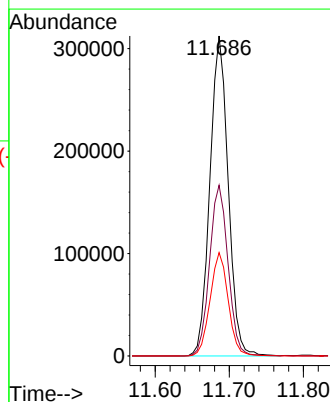
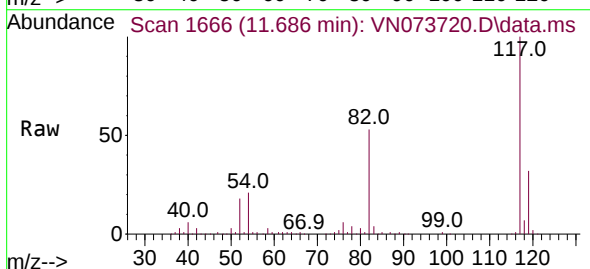
Instrument :
MSVOA_N
ClientSampleId :
MW-13R

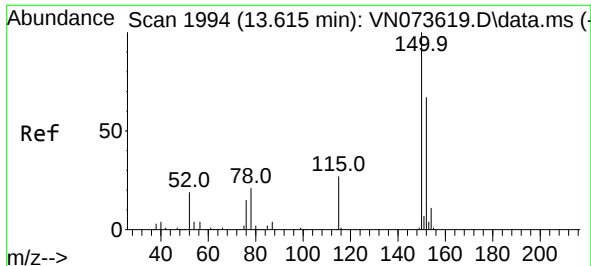
Tgt Ion: 95 Resp: 235471
Ion Ratio Lower Upper
95 100
174 88.0 0.0 167.6
176 86.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073720.D
Acq: 03 Aug 2022 18:42

Tgt Ion: 117 Resp: 535662
Ion Ratio Lower Upper
117 100
82 53.4 44.2 66.2
119 32.3 25.4 38.0

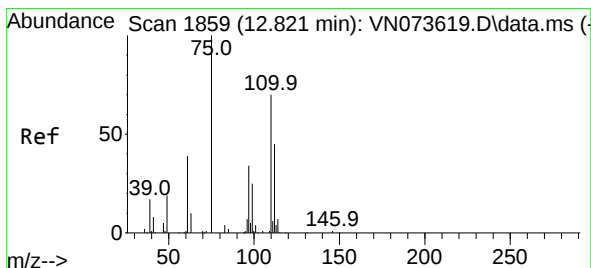
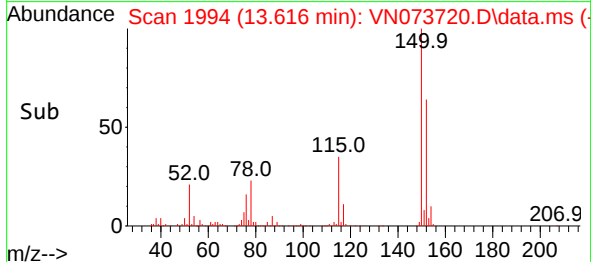
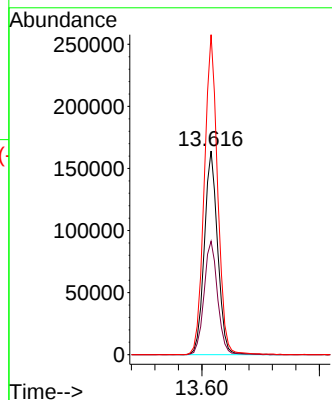
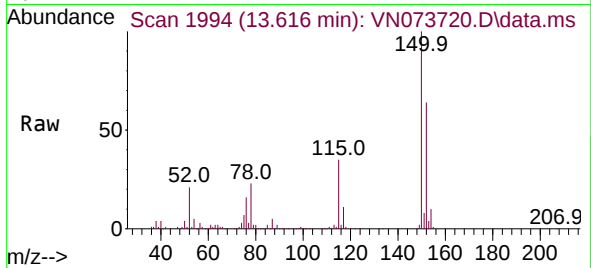




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN073720.D
 Acq: 03 Aug 2022 18:42

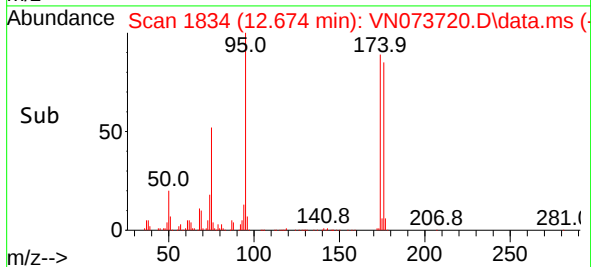
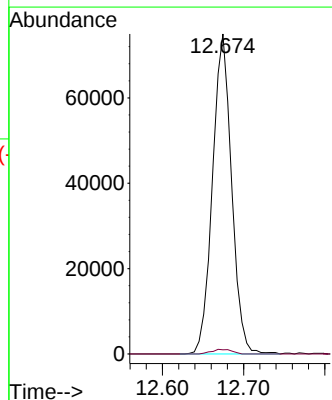
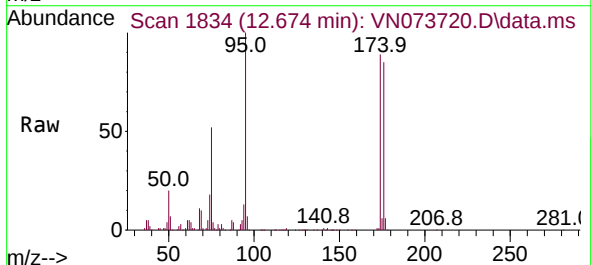
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13R

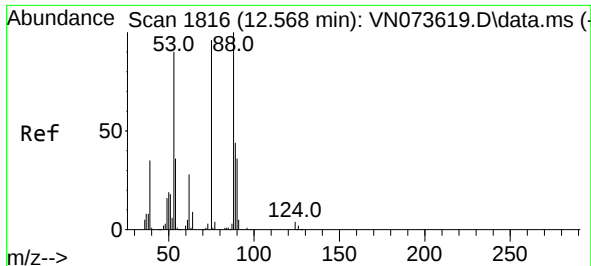
Tgt Ion:152 Resp: 258193
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.9 86.7
 150 157.4 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 24.245 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN073720.D
 Acq: 03 Aug 2022 18:42

Tgt Ion: 75 Resp: 122531
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#

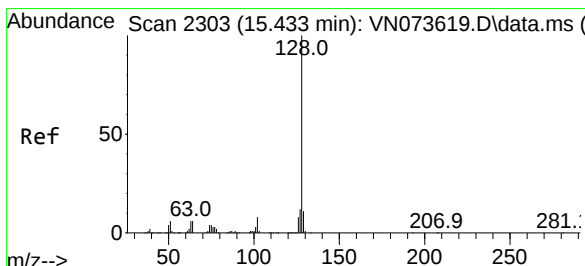
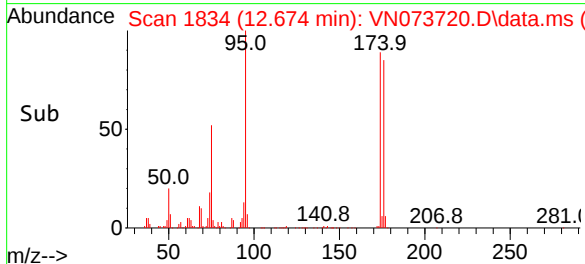
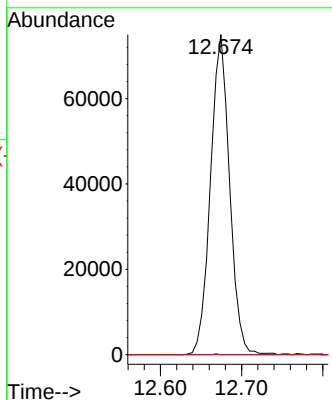
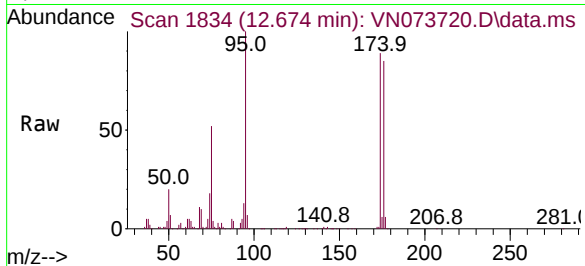




#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.501 ug/l
 RT: 12.674 min Scan# 1816
 Delta R.T. 0.106 min
 Lab File: VN073720.D
 Acq: 03 Aug 2022 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13R

Tgt Ion: 75 Resp: 122531
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.1 37.2 55.8#



#95
 Naphthalene
 Concen: 0.257 ug/l
 RT: 15.439 min Scan# 2304
 Delta R.T. 0.006 min
 Lab File: VN073720.D
 Acq: 03 Aug 2022 18:42

Tgt Ion: 128 Resp: 3767
 Ion Ratio Lower Upper
 128 100
 127 5.7 10.3 15.5#
 129 4.8 8.6 13.0#

