

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081722\
 Data File : VN073981.D
 Acq On : 17 Aug 2022 17:11
 Operator : JC\MD
 Sample : N4204-28 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Quant Time: Aug 18 00:47:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

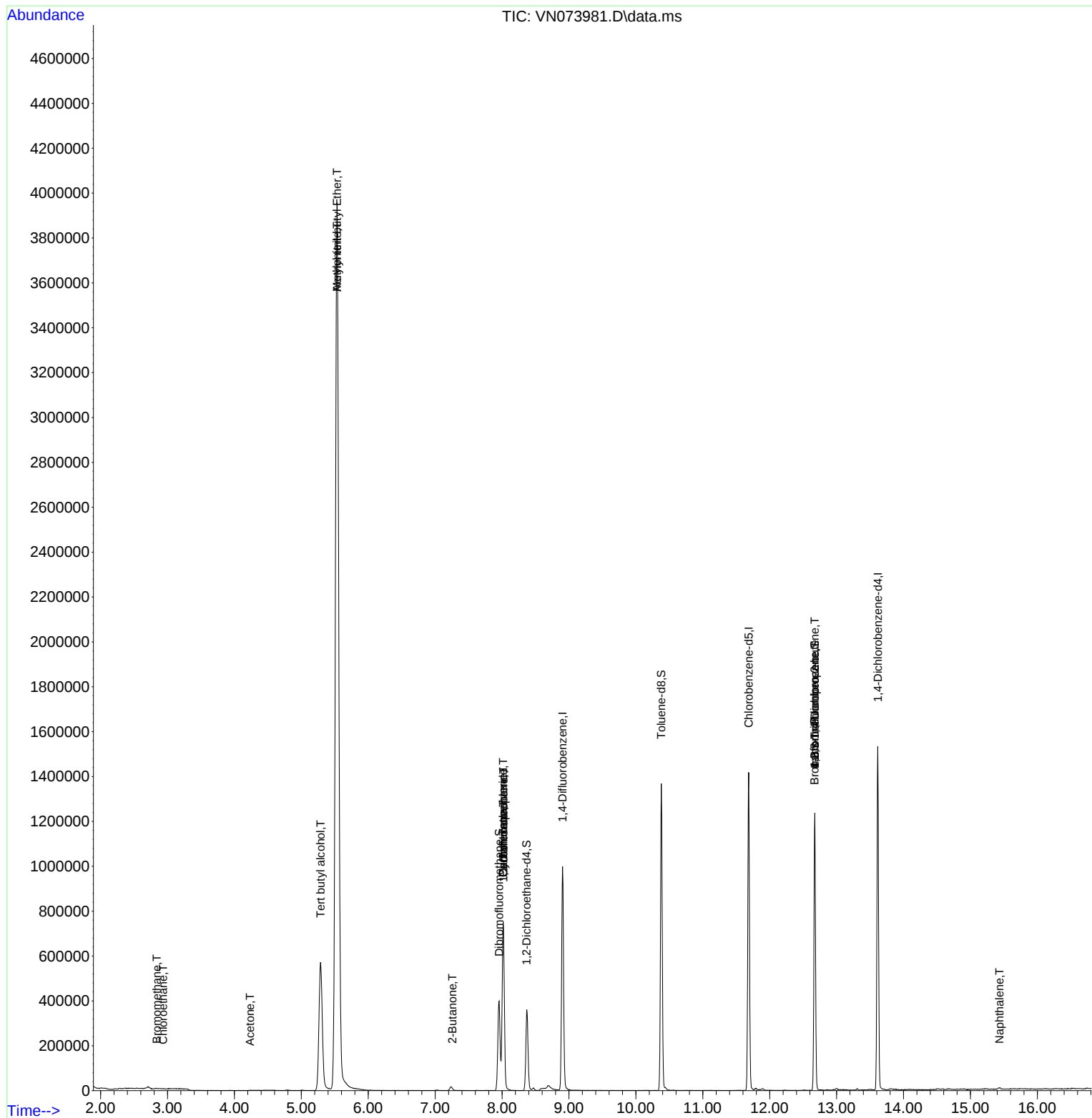
Internal Standards						
1) Pentafluorobenzene	8.016	168	648543	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	944429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	881098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	452767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	305242	48.322	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.640%
35) Dibromofluoromethane	7.957	113	295308	52.873	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.740%
50) Toluene-d8	10.380	98	985932	45.579	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.160%
62) 4-Bromofluorobenzene	12.674	95	407754	56.798	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.600%
Target Compounds						
					Qvalue	
5) Bromomethane	2.840	94	1452	0.317	ug/l #	48
6) Chloroethane	2.934	64	1041	0.201	ug/l #	42
11) Tert butyl alcohol	5.287	59	1133072	801.911	ug/l	99
15) Acrylonitrile	5.534	53	67074	19.444	ug/l #	29
16) Acetone	4.234	43	2758	0.925	ug/l #	42
18) Methyl Acetate	4.787	43	4763	Below Cal	#	65
19) Methyl tert-butyl Ether	5.534	73	7244383	392.976	ug/l	97
25) 2-Butanone	7.257	43	1128	0.239	ug/l	95
31) Cyclohexane	8.016	56	10170	1.155	ug/l #	1
36) 1,1-Dichloropropene	8.022	75	41553	5.356	ug/l #	49
38) Carbon Tetrachloride	8.016	117	56449	6.366	ug/l #	17
71) Bromoform	12.668	173	1975	0.312	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	196759	20.908	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	196759	59.466	ug/l #	10
95) Naphthalene	15.433	128	7207	0.227	ug/l #	86

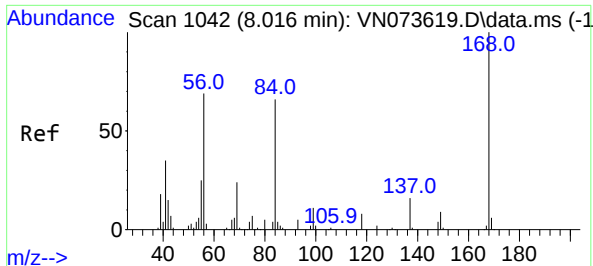
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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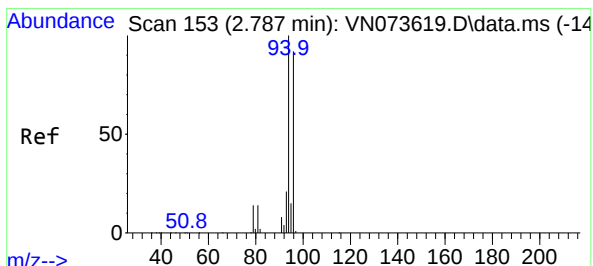
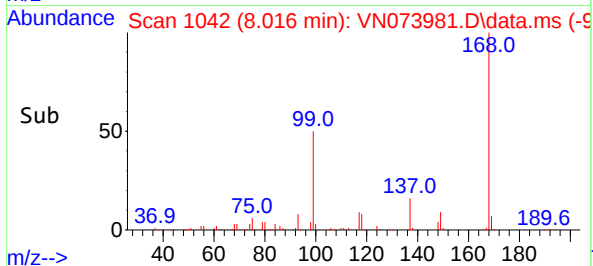
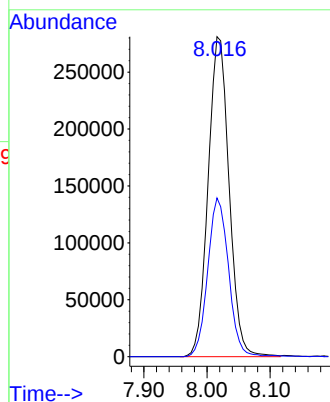
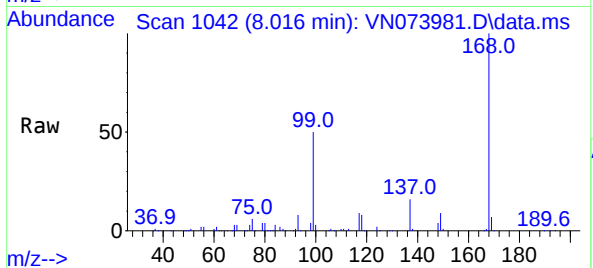




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

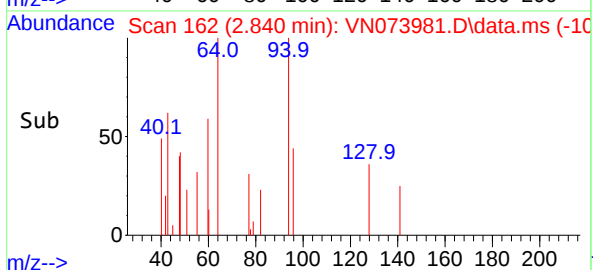
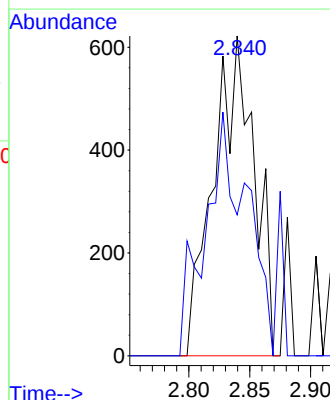
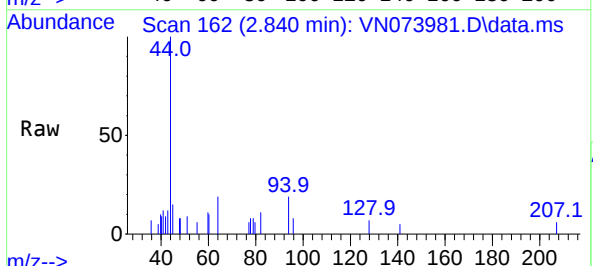
Instrument :
MSVOA_N
ClientSampleId :
MW-6

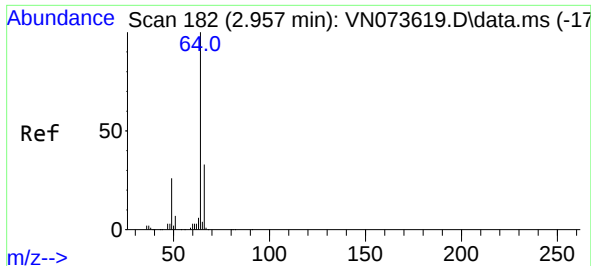
Tgt Ion:168 Resp: 648543
Ion Ratio Lower Upper
168 100
99 49.6 42.3 63.5



#5
Bromomethane
Concen: 0.317 ug/l
RT: 2.840 min Scan# 162
Delta R.T. 0.053 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

Tgt Ion: 94 Resp: 1452
Ion Ratio Lower Upper
94 100
96 44.1 76.0 114.0#

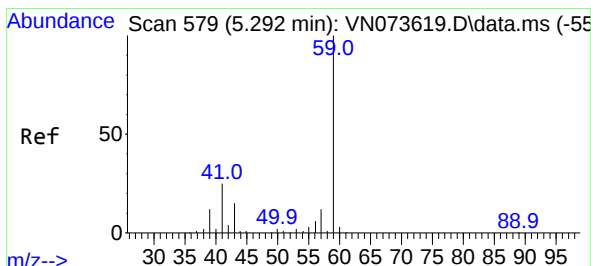
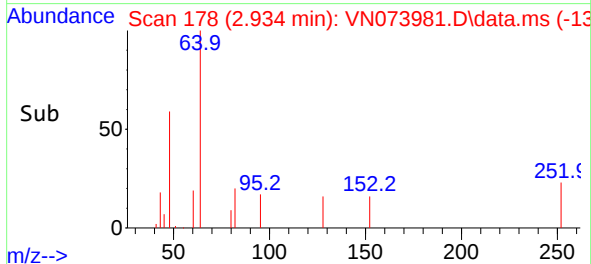
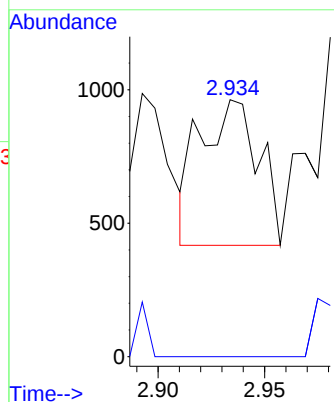
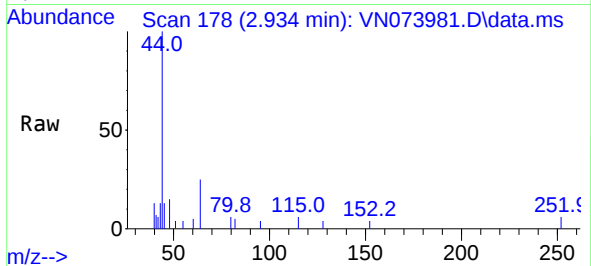




#6
Chloroethane
Concen: 0.201 ug/l
RT: 2.934 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

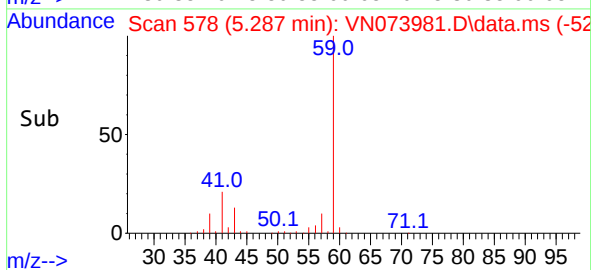
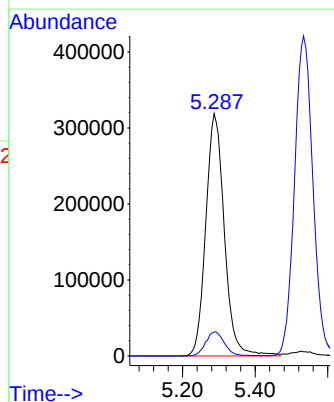
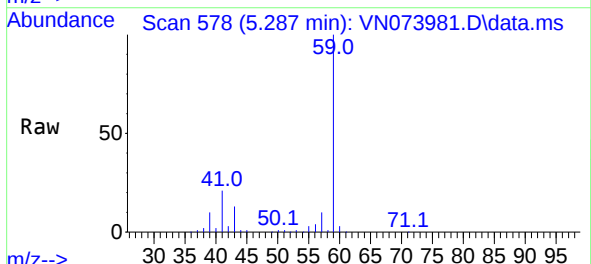
Instrument :
MSVOA_N
ClientSampleId :
MW-6

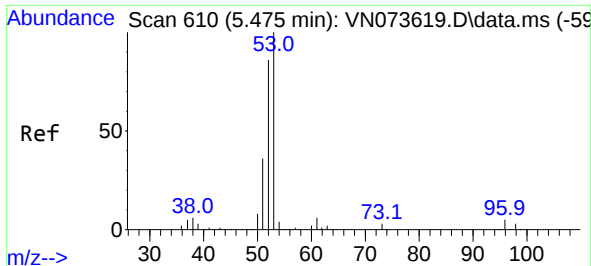
Tgt Ion: 64 Resp: 1041
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 801.911 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

Tgt Ion: 59 Resp: 1133072
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5

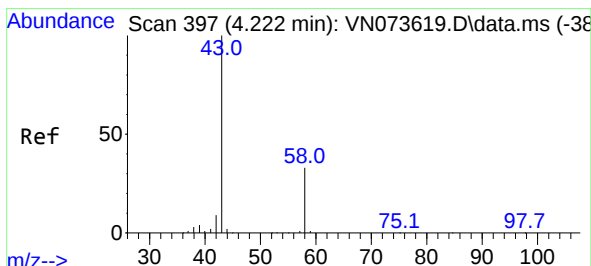
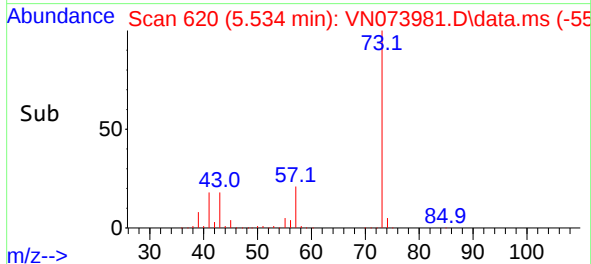
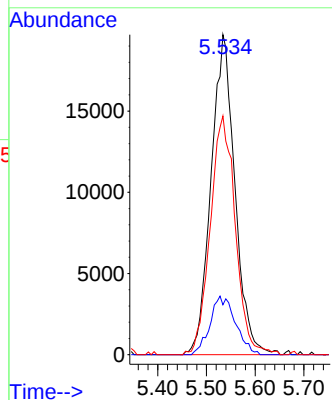
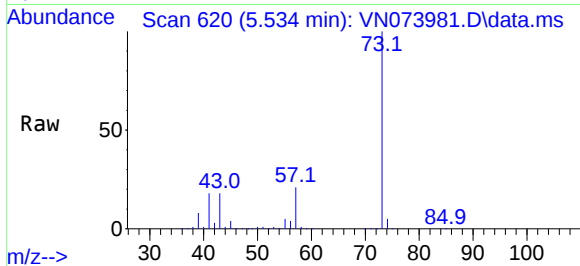




#15
Acrylonitrile
Concen: 19.444 ug/l
RT: 5.534 min Scan# 610
Delta R.T. 0.059 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

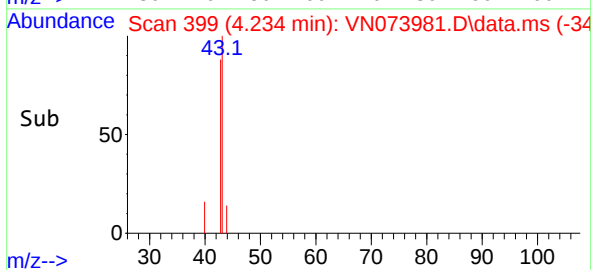
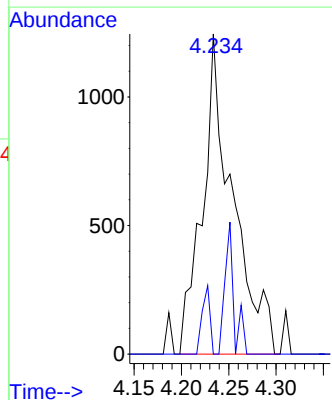
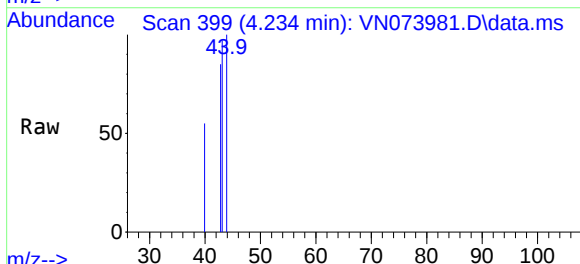
Instrument :
MSVOA_N
ClientSampleId :
MW-6

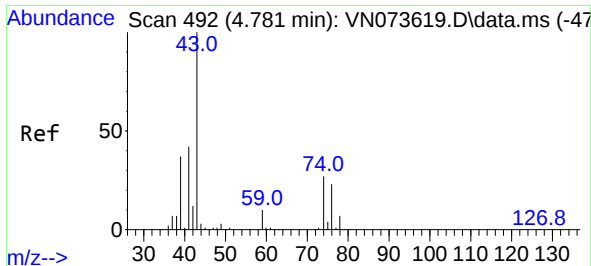
Tgt Ion: 53 Resp: 67074
Ion Ratio Lower Upper
53 100
52 19.5 66.4 99.6#
51 78.4 28.5 42.7#



#16
Acetone
Concen: 0.925 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

Tgt Ion: 43 Resp: 2758
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#

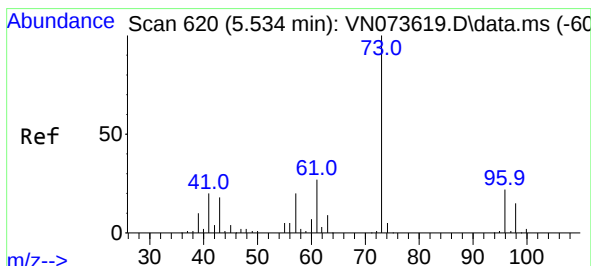
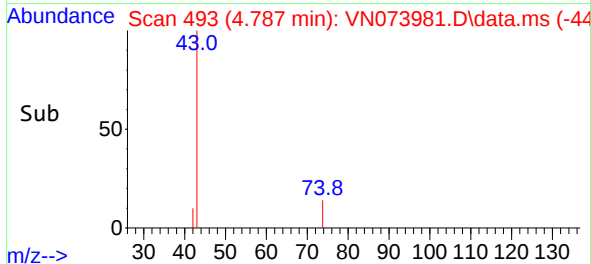
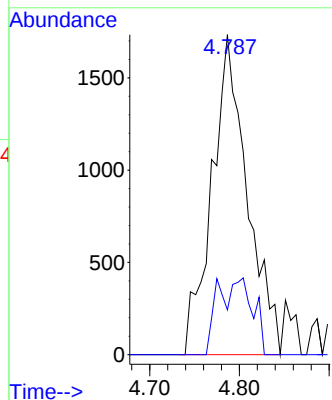
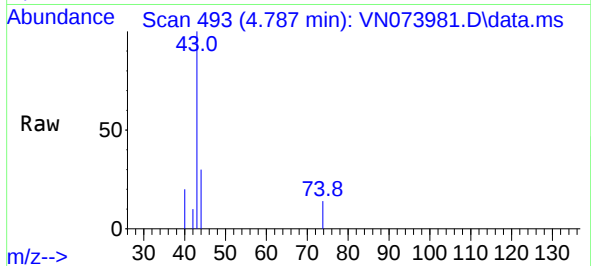




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

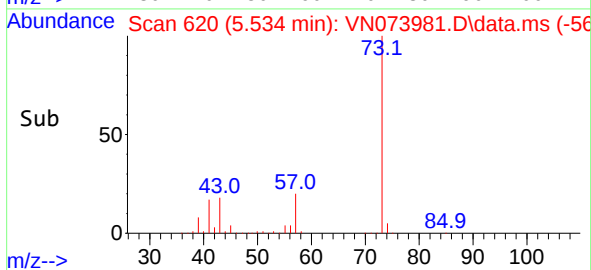
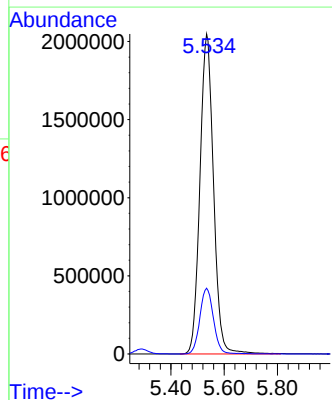
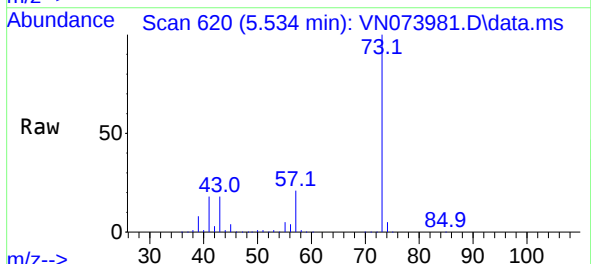
Instrument :
MSVOA_N
ClientSampleId :
MW-6

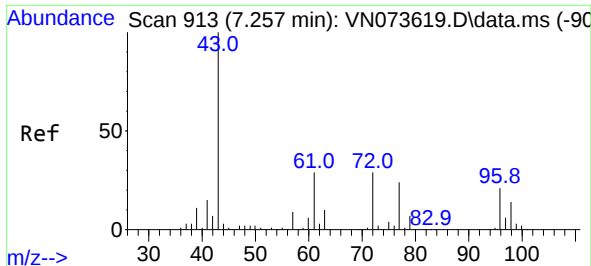
Tgt Ion: 43 Resp: 4763
Ion Ratio Lower Upper
43 100
74 8.7 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 392.976 ug/l
RT: 5.534 min Scan# 620
Delta R.T. -0.000 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

Tgt Ion: 73 Resp: 7244383
Ion Ratio Lower Upper
73 100
57 20.5 17.6 26.4





#25

2-Butanone

Concen: 0.239 ug/l

RT: 7.257 min Scan# 913

Delta R.T. 0.000 min

Lab File: VN073981.D

Acq: 17 Aug 2022 17:11

Instrument :

MSVOA_N

ClientSampleId :

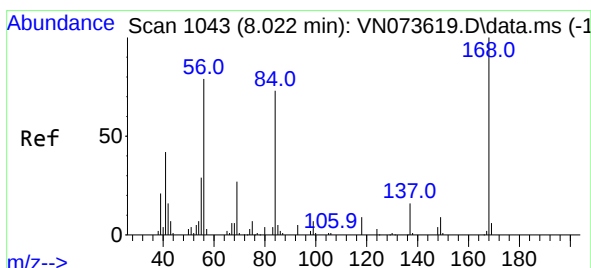
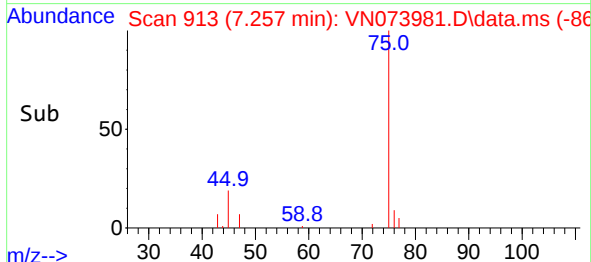
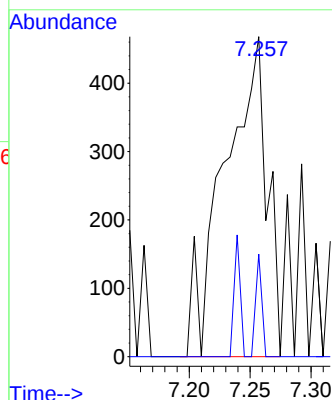
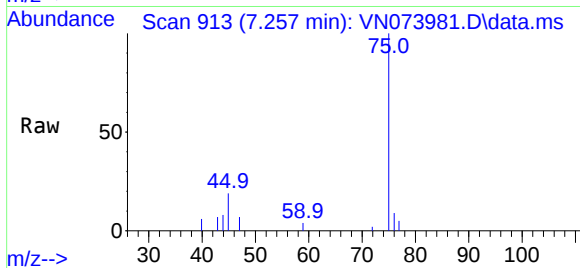
MW-6

Tgt Ion: 43 Resp: 1128

Ion Ratio Lower Upper

43 100

72 32.1 23.7 35.5



#31

Cyclohexane

Concen: 1.155 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073981.D

Acq: 17 Aug 2022 17:11

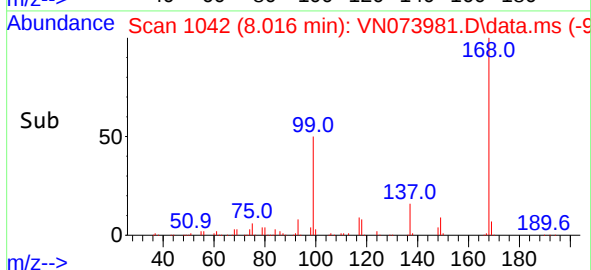
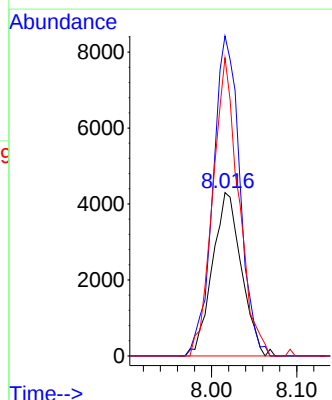
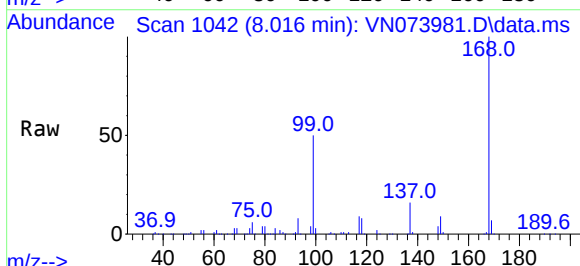
Tgt Ion: 56 Resp: 10170

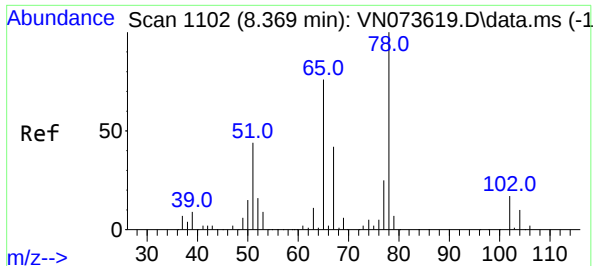
Ion Ratio Lower Upper

56 100

69 196.0 27.8 41.8#

84 182.7 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.322 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073981.D

Acq: 17 Aug 2022 17:11

Instrument :

MSVOA_N

ClientSampleId :

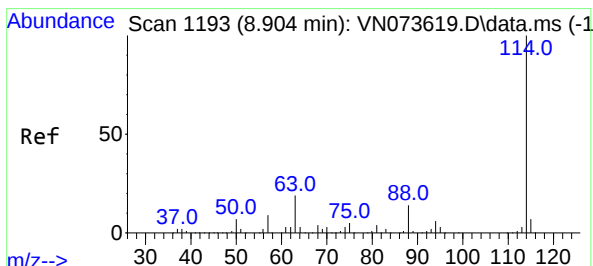
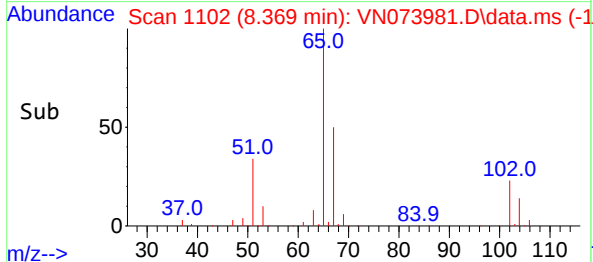
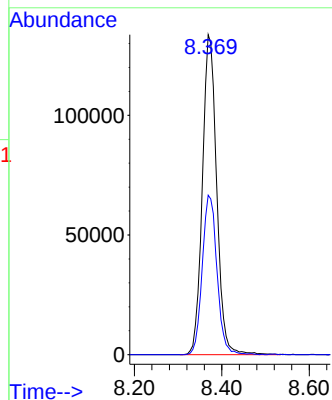
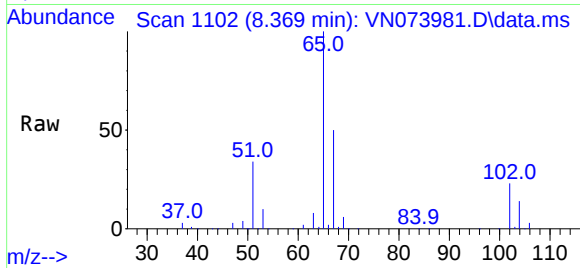
MW-6

Tgt Ion: 65 Resp: 305242

Ion Ratio Lower Upper

65 100

67 51.3 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: VN073981.D

Acq: 17 Aug 2022 17:11

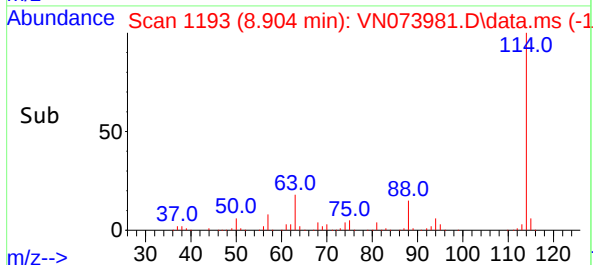
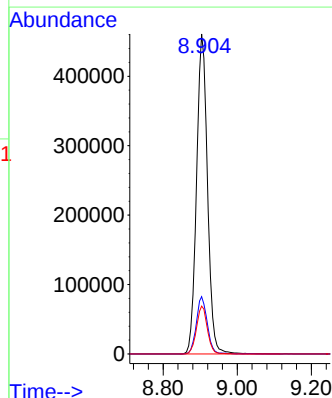
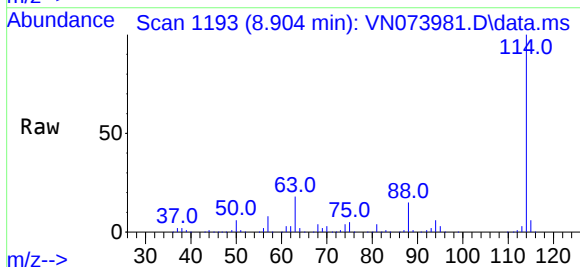
Tgt Ion: 114 Resp: 944429

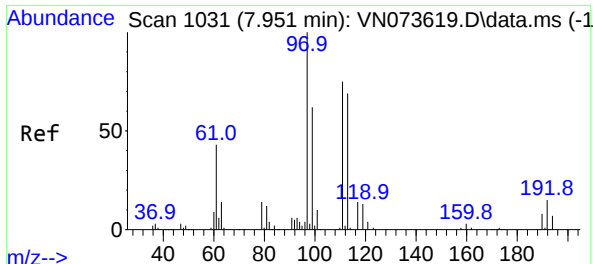
Ion Ratio Lower Upper

114 100

63 17.9 0.0 40.0

88 15.0 0.0 32.6

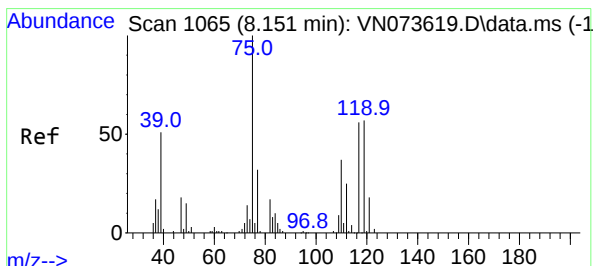
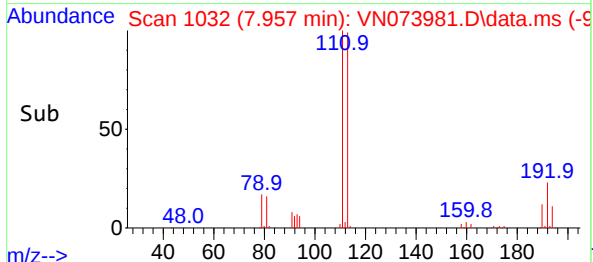
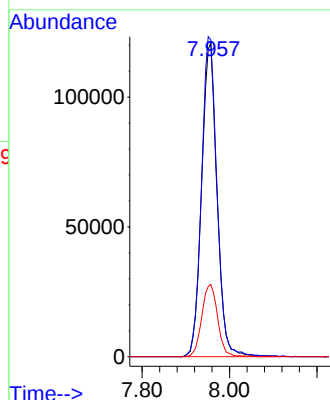
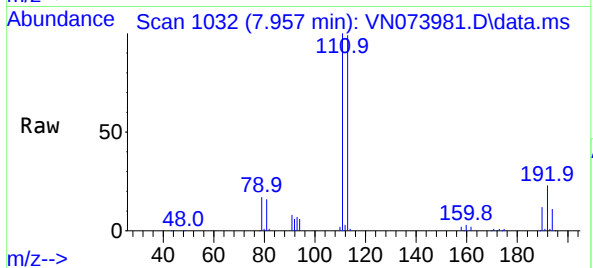




#35
Dibromofluoromethane
Concen: 52.873 ug/l
RT: 7.957 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

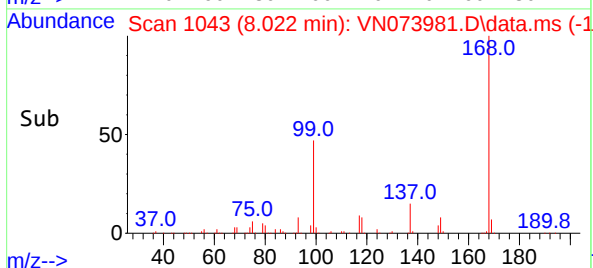
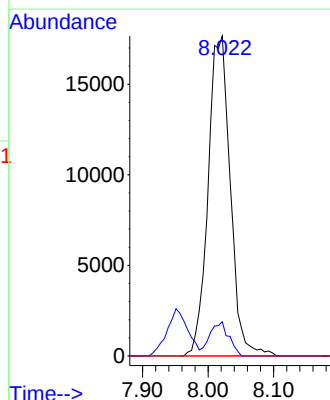
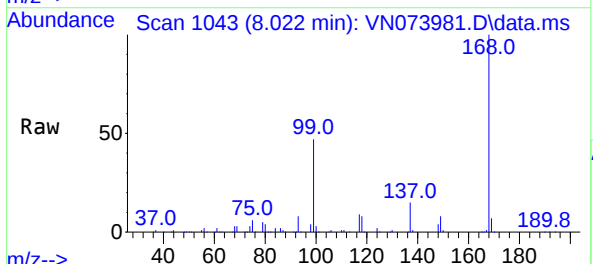
Instrument :
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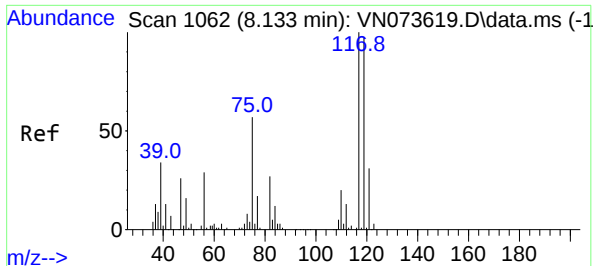
Tgt Ion:113 Resp: 295308
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 23.8 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.356 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

Tgt Ion: 75 Resp: 41553
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 25.1 37.7#

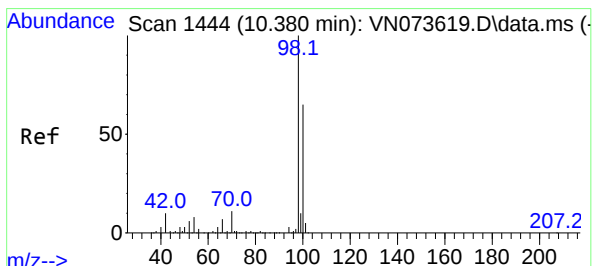
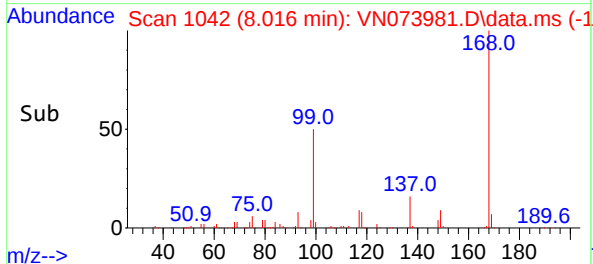
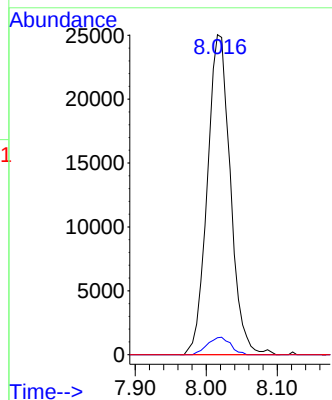
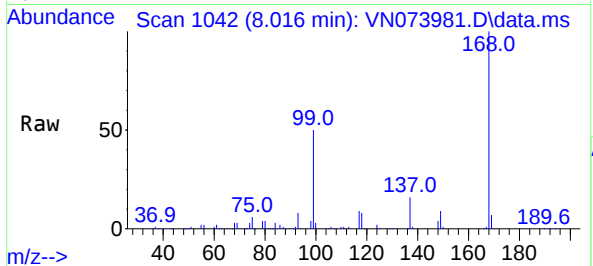




#38
Carbon Tetrachloride
Concen: 6.366 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

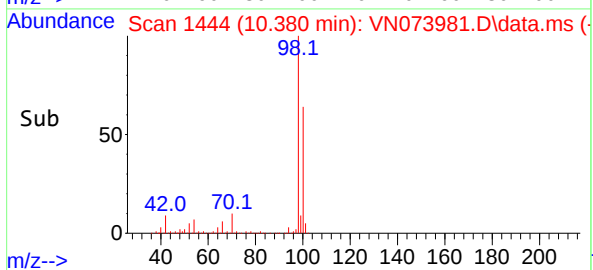
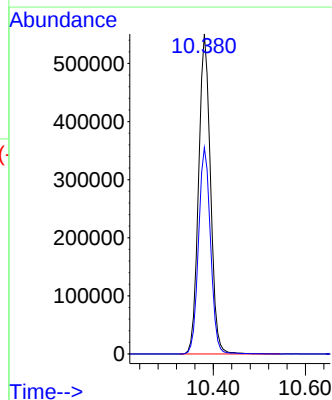
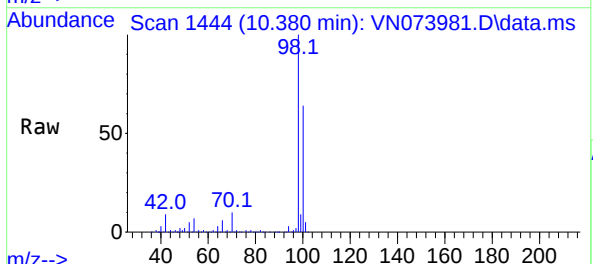
Instrument :
MSVOA_N
ClientSampleId :
MW-6

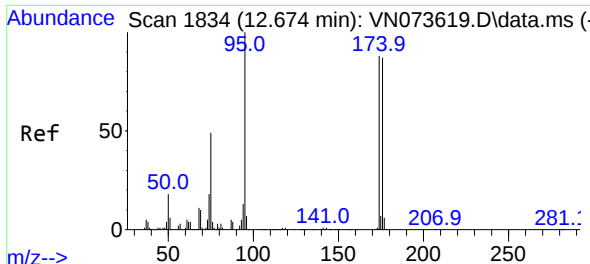
Tgt Ion:117 Resp: 56449
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 45.579 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

Tgt Ion: 98 Resp: 985932
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8

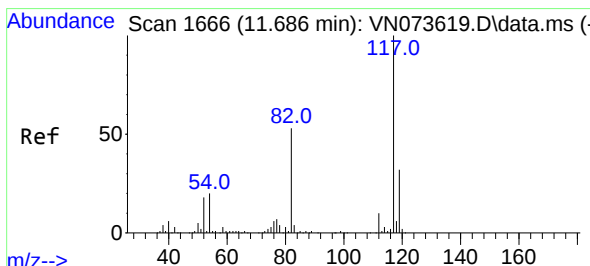
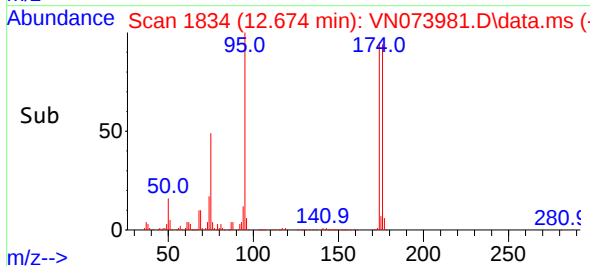
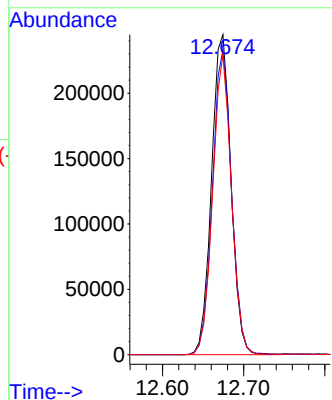
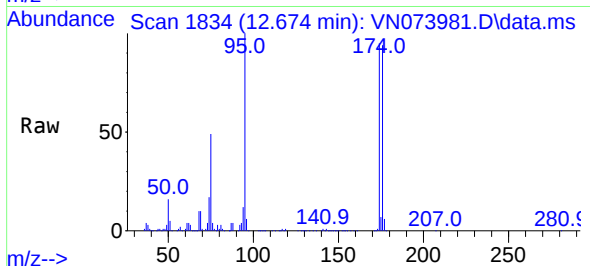




#62
4-Bromofluorobenzene
Concen: 56.798 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

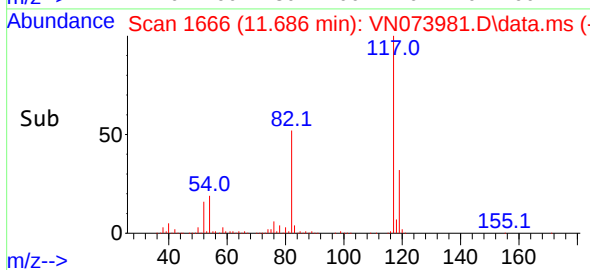
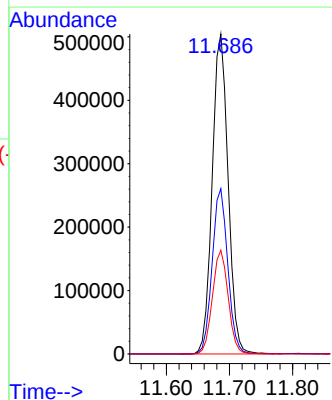
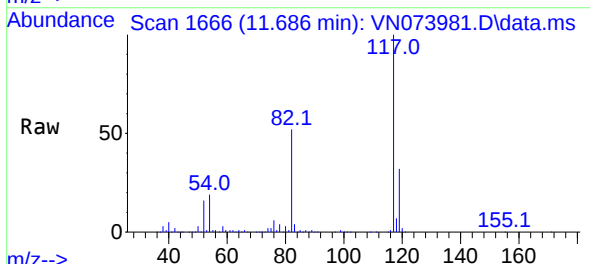
Instrument :
MSVOA_N
ClientSampleId :
MW-6

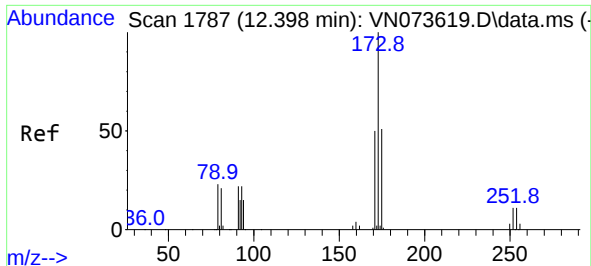
Tgt Ion: 95 Resp: 407754
Ion Ratio Lower Upper
95 100
174 93.4 0.0 167.6
176 90.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

Tgt Ion: 117 Resp: 881098
Ion Ratio Lower Upper
117 100
82 51.6 44.2 66.2
119 32.4 25.4 38.0

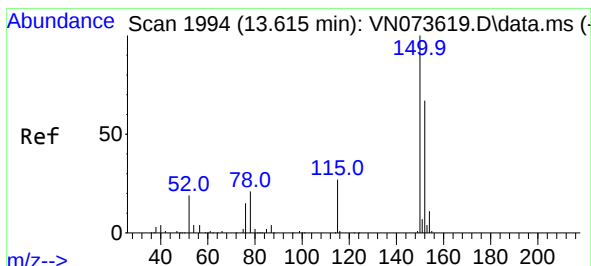
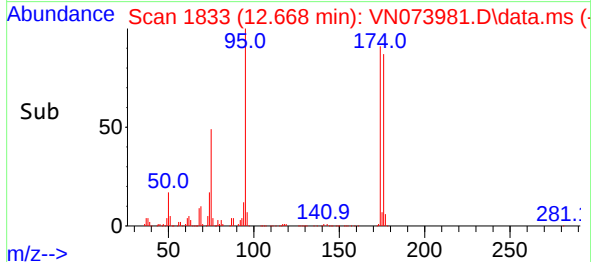
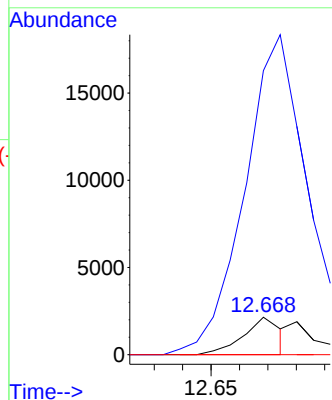
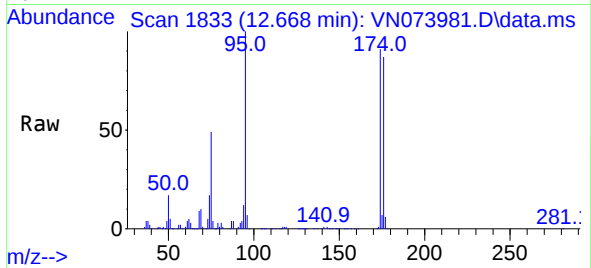




#71
Bromoform
Concen: 0.312 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

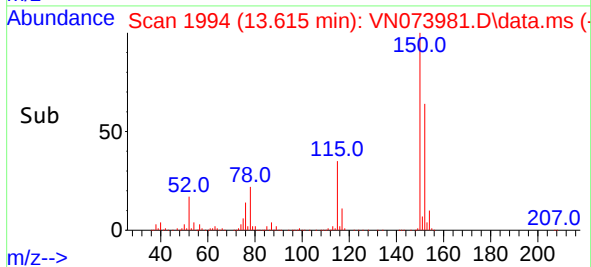
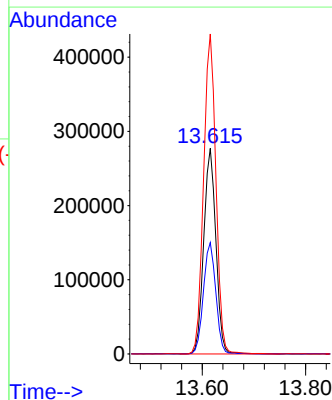
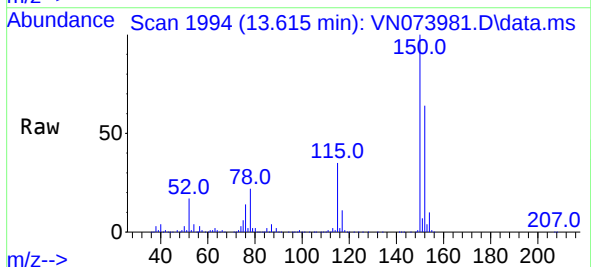
Instrument :
MSVOA_N
ClientSampleId :
MW-6

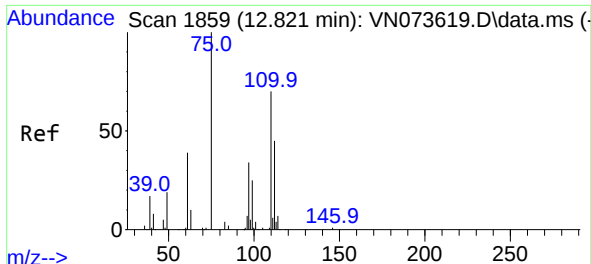
Tgt Ion:173 Resp: 1975
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

Tgt Ion:152 Resp: 452767
Ion Ratio Lower Upper
152 100
115 55.4 28.9 86.7
150 157.6 0.0 356.2

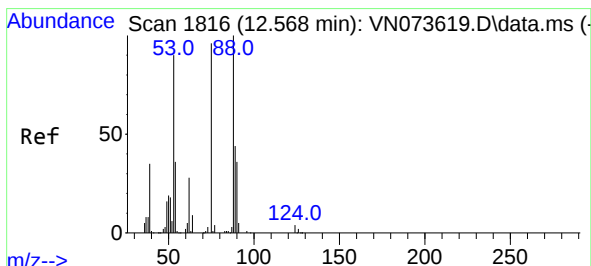
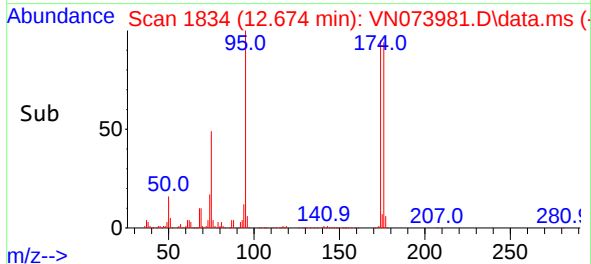
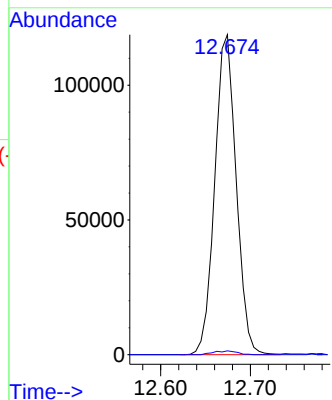
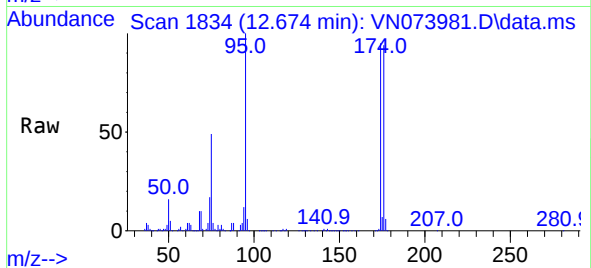




#76
1,2,3-Trichloropropane
Concen: 20.908 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

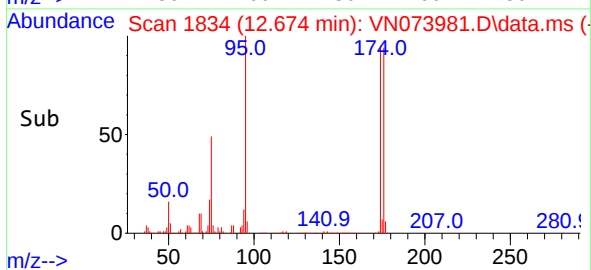
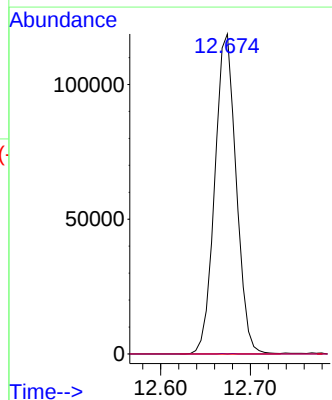
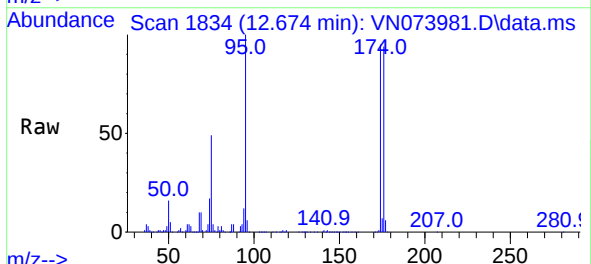
Instrument :
MSVOA_N
ClientSampleId :
MW-6

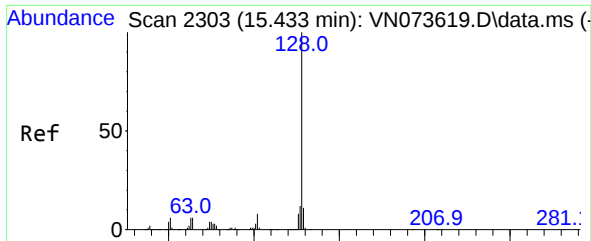
Tgt Ion: 75 Resp: 196759
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.466 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

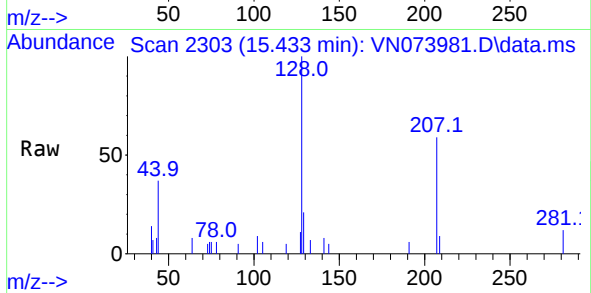
Tgt Ion: 75 Resp: 196759
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 0.227 ug/l
RT: 15.433 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN073981.D
Acq: 17 Aug 2022 17:11

Instrument :
MSVOA_N
ClientSampleId :
MW-6



Tgt Ion:	128	Resp:	7207
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.3	15.5
129	21.8	8.6	13.0#

