

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080222\
 Data File : VN073681.D
 Acq On : 02 Aug 2022 12:44
 Operator : JC\MD
 Sample : N3971-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8R

Quant Time: Aug 03 02:04:37 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)

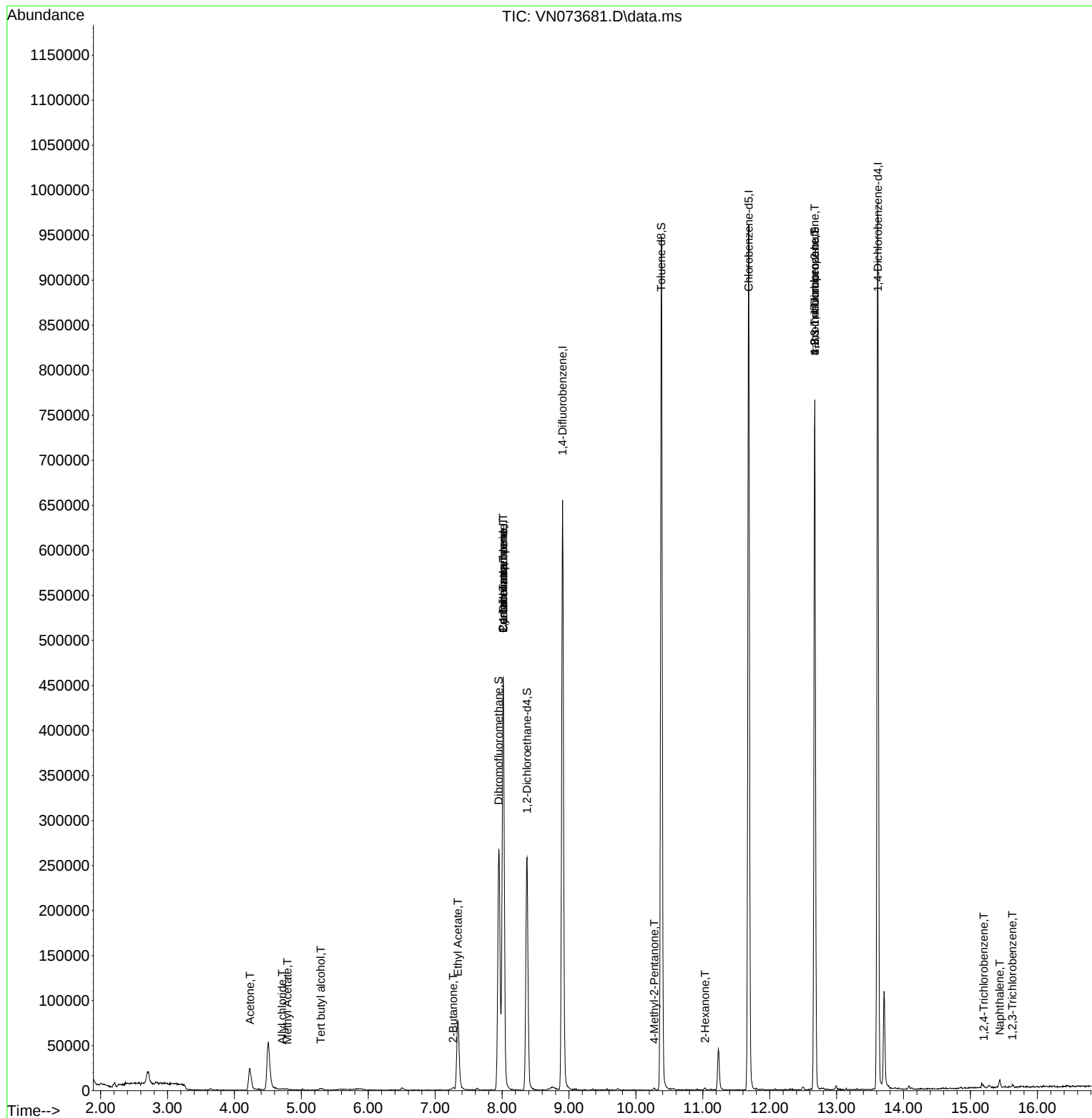
Internal Standards						
1) Pentafluorobenzene	8.016	168	369402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	589860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	565849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	268943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	213770	47.486	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.980%
35) Dibromofluoromethane	7.951	113	199307	53.809	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.620%
50) Toluene-d8	10.380	98	665437	45.655	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.300%
62) 4-Bromofluorobenzene	12.674	95	247802	50.741	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.480%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	931	Below Cal		91
6) Chloroethane	2.957	64	346	Below Cal	#	45
11) Tert butyl alcohol	5.293	59	3683	3.794	ug/l #	72
14) Allyl chloride	4.716	41	1960	0.350	ug/l #	24
16) Acetone	4.234	43	45943	19.001	ug/l	97
18) Methyl Acetate	4.793	43	2785	0.463	ug/l #	62
20) Methylene Chloride	5.034	84	820	Below Cal	#	46
25) 2-Butanone	7.269	43	4350	1.158	ug/l	99
31) Cyclohexane	8.016	56	7578	1.131	ug/l #	21
36) 1,1-Dichloropropene	8.016	75	27143	5.142	ug/l #	49
37) Ethyl Acetate	7.339	43	123636	17.784	ug/l	99
38) Carbon Tetrachloride	8.016	117	33766	6.298	ug/l #	16
51) 4-Methyl-2-Pentanone	10.275	43	2016	0.299	ug/l #	83
59) 2-Hexanone	11.033	43	1894	0.371	ug/l	84
76) 1,2,3-Trichloropropane	12.674	75	130468	24.860	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	130468	62.867	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.198	180	969	0.206	ug/l #	78
95) Naphthalene	15.439	128	8992	0.588	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.627	180	1107	0.223	ug/l #	91

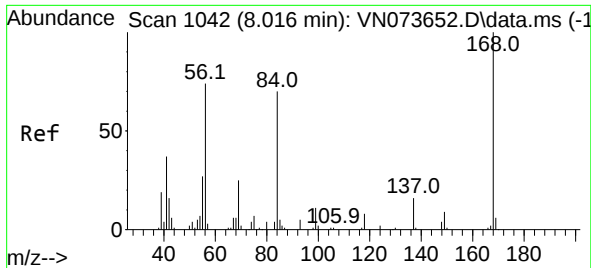
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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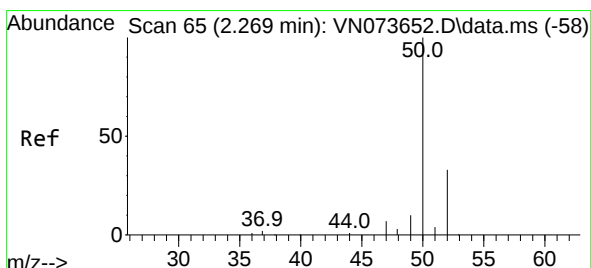
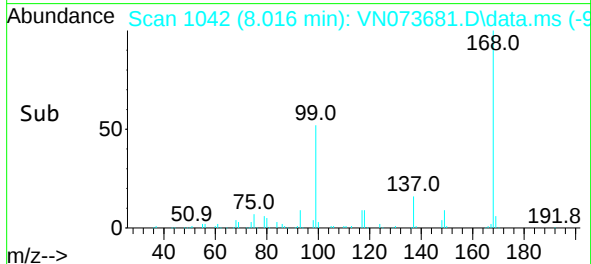
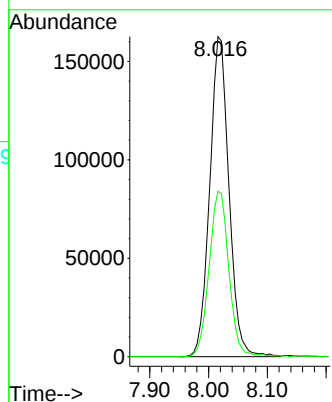
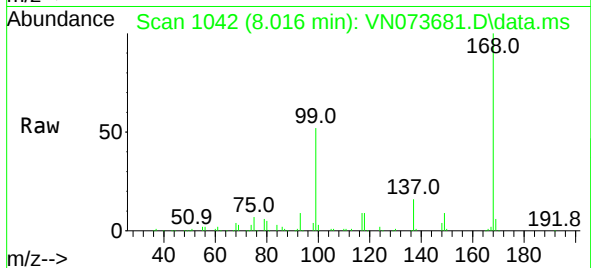




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

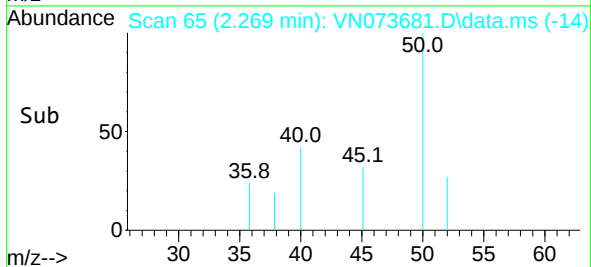
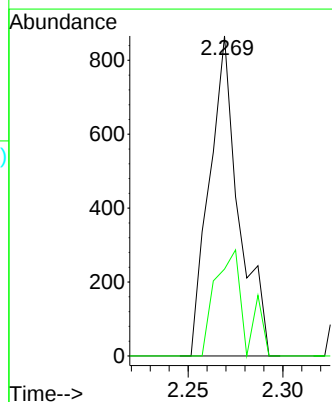
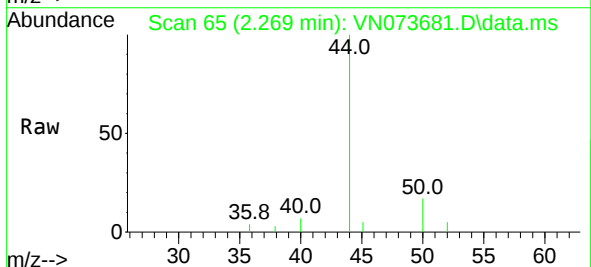
Instrument :
MSVOA_N
ClientSampleId :
MW-8R

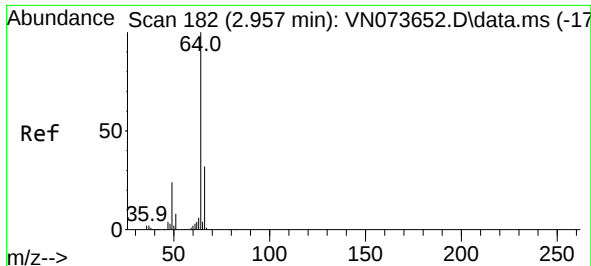
Tgt Ion:168 Resp: 369402
Ion Ratio Lower Upper
168 100
99 51.7 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

Tgt Ion: 50 Resp: 931
Ion Ratio Lower Upper
50 100
52 27.1 25.7 38.5

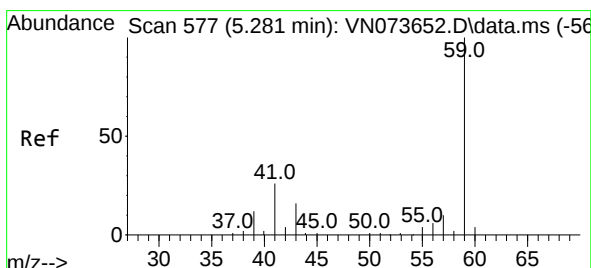
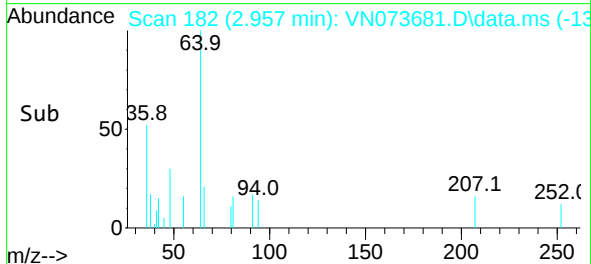
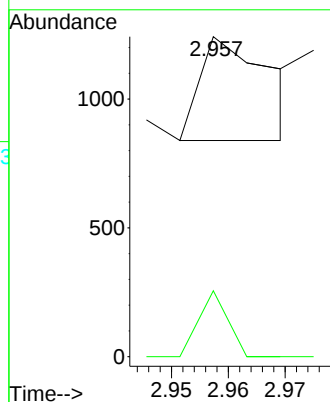
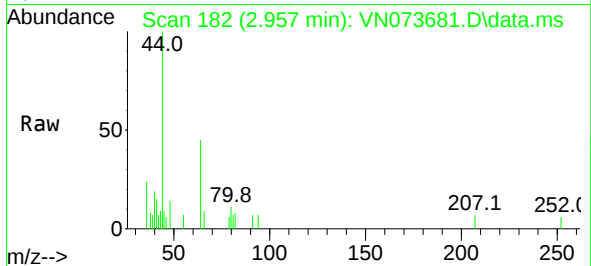




#6
Chloroethane
Concen: Below Cal
RT: 2.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

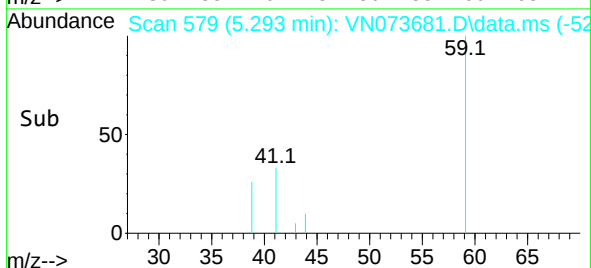
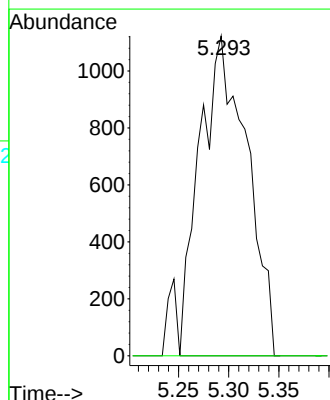
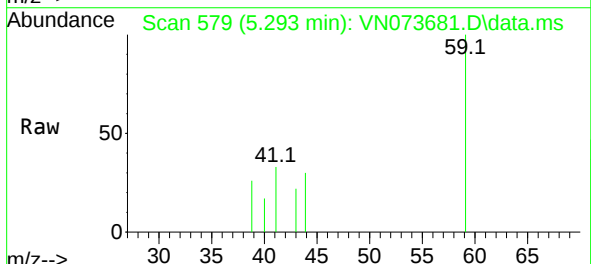
Instrument :
MSVOA_N
ClientSampleId :
MW-8R

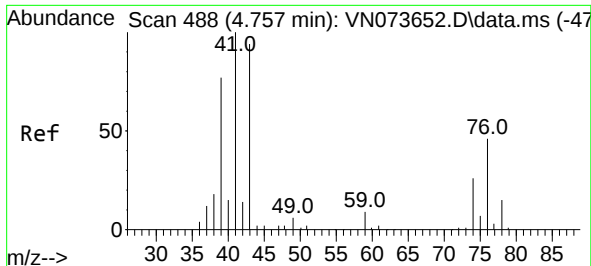
Tgt Ion: 64 Resp: 346
Ion Ratio Lower Upper
64 100
66 63.5 26.2 39.4#



#11
Tert butyl alcohol
Concen: 3.794 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.001 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

Tgt Ion: 59 Resp: 3683
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

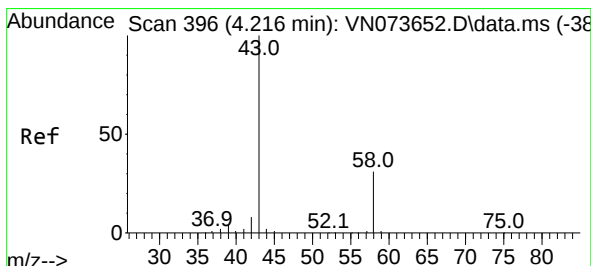
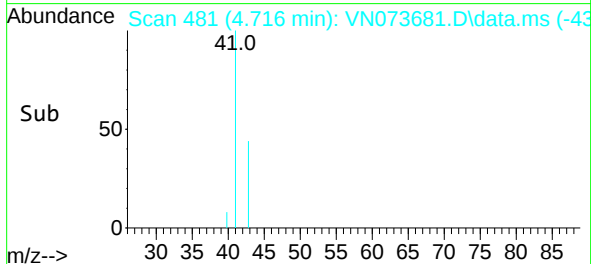
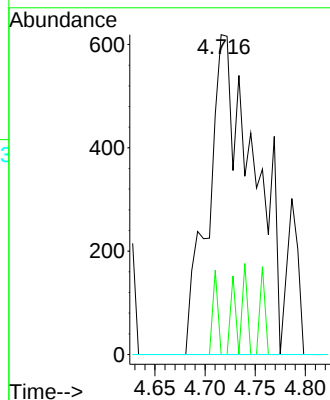
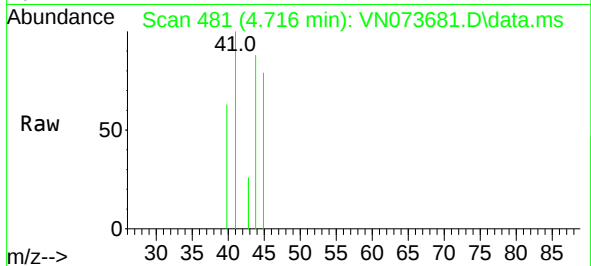




#14
 Allyl chloride
 Concen: 0.350 ug/l
 RT: 4.716 min Scan# 41
 Delta R.T. -0.047 min
 Lab File: VN073681.D
 Acq: 02 Aug 2022 12:44

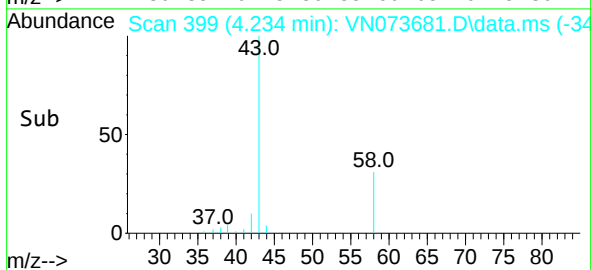
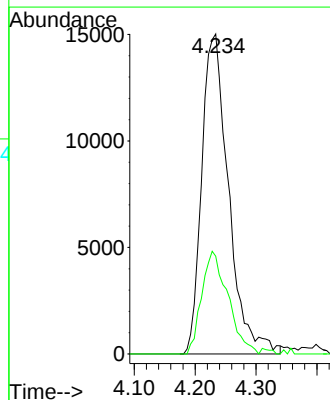
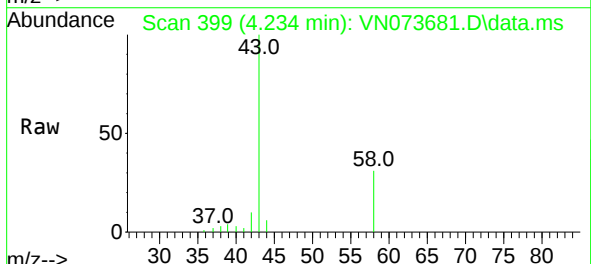
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8R

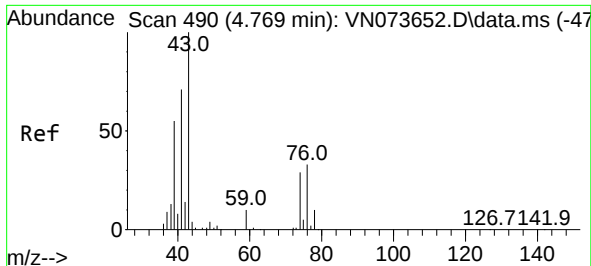
Tgt Ion: 41 Resp: 1960
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 19.001 ug/l
 RT: 4.234 min Scan# 399
 Delta R.T. 0.012 min
 Lab File: VN073681.D
 Acq: 02 Aug 2022 12:44

Tgt Ion: 43 Resp: 45943
 Ion Ratio Lower Upper
 43 100
 58 30.6 26.0 39.0

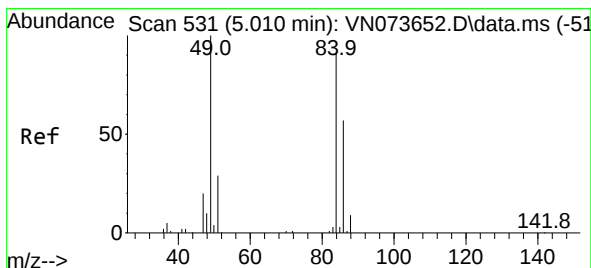
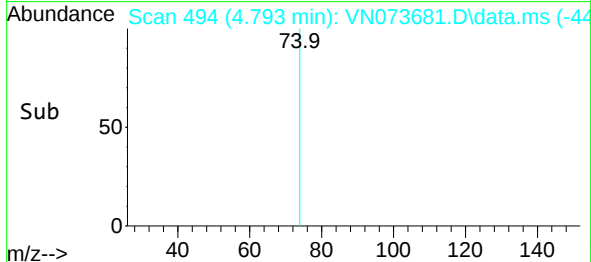
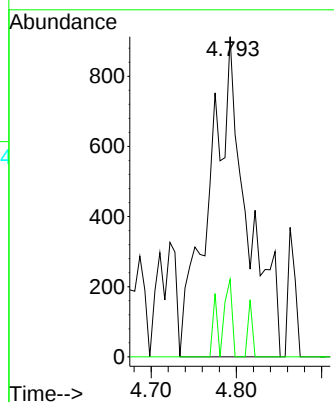
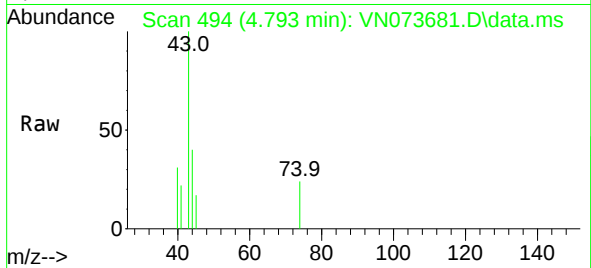




#18
Methyl Acetate
Concen: 0.463 ug/l
RT: 4.793 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

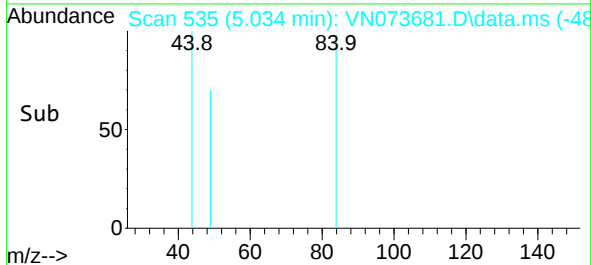
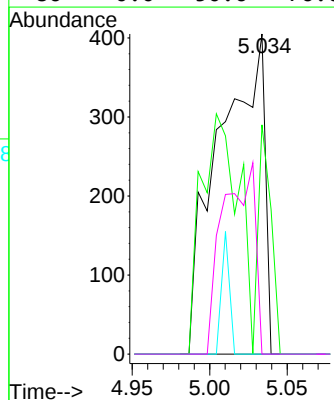
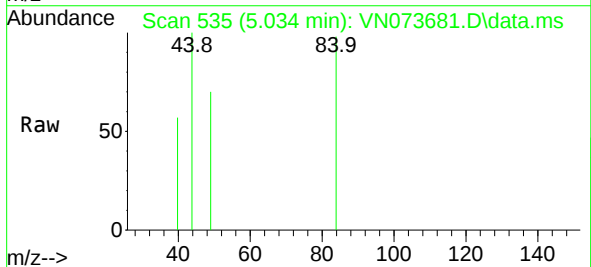
Instrument :
MSVOA_N
ClientSampleId :
MW-8R

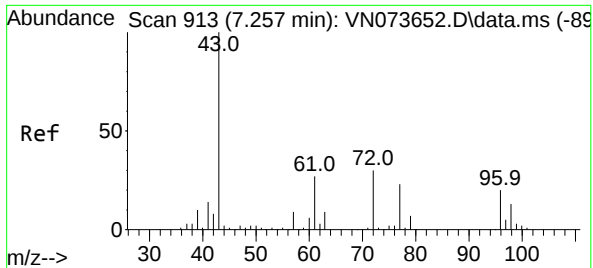
Tgt Ion: 43 Resp: 2785
Ion Ratio Lower Upper
43 100
74 7.1 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.034 min Scan# 535
Delta R.T. 0.024 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

Tgt Ion: 84 Resp: 820
Ion Ratio Lower Upper
84 100
49 71.6 88.3 132.5#
51 0.0 28.2 42.2#
86 0.0 50.6 76.0#

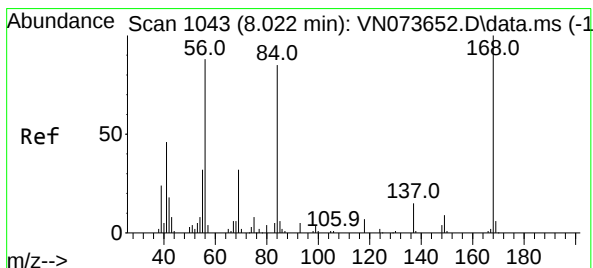
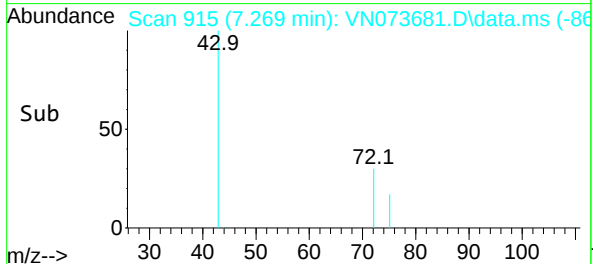
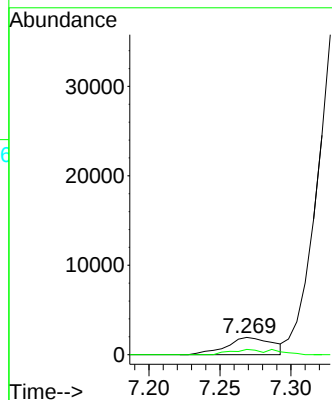
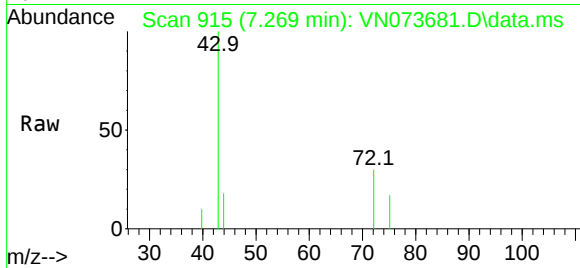




#25
2-Butanone
Concen: 1.158 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

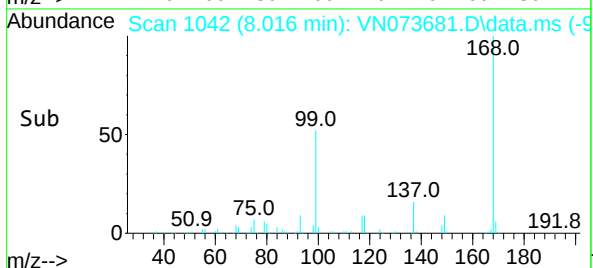
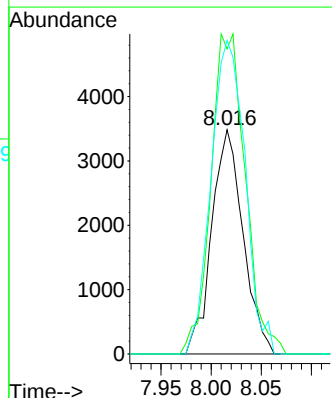
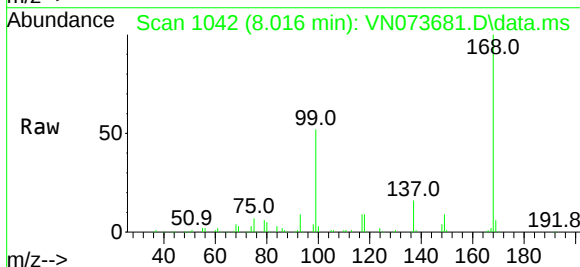
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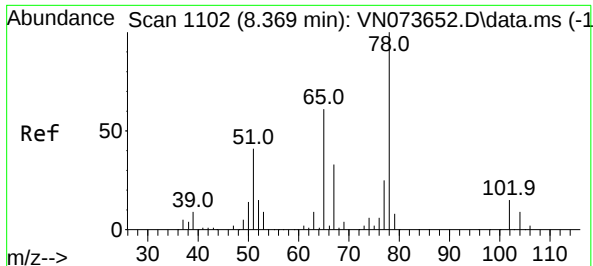
Tgt Ion: 43 Resp: 4350
Ion Ratio Lower Upper
43 100
72 30.2 23.7 35.5



#31
Cyclohexane
Concen: 1.131 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

Tgt Ion: 56 Resp: 7578
Ion Ratio Lower Upper
56 100
69 136.1 27.8 41.8#
84 139.8 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.486 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN073681.D

Acq: 02 Aug 2022 12:44

Instrument :

MSVOA_N

ClientSampleId :

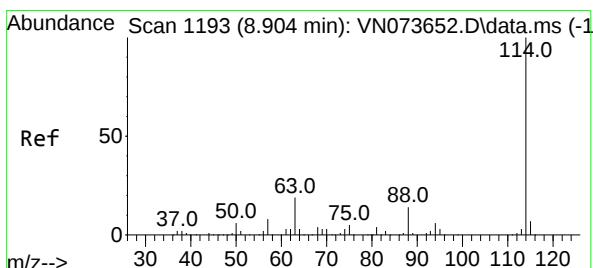
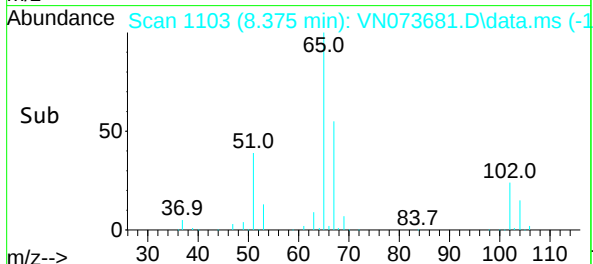
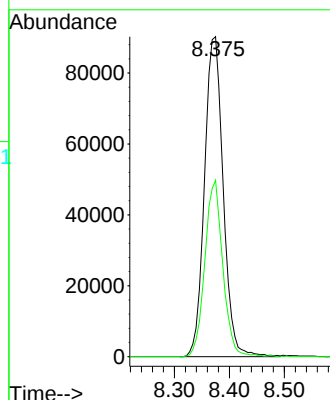
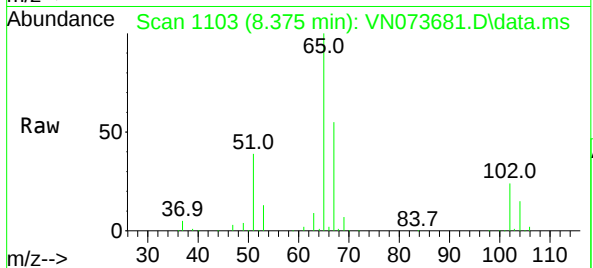
MW-8R

Tgt Ion: 65 Resp: 213770

Ion Ratio Lower Upper

65 100

67 52.7 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: VN073681.D

Acq: 02 Aug 2022 12:44

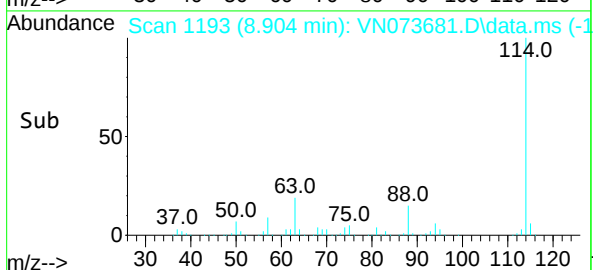
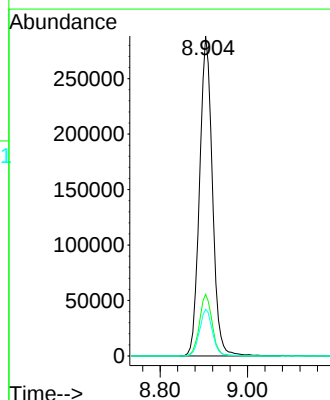
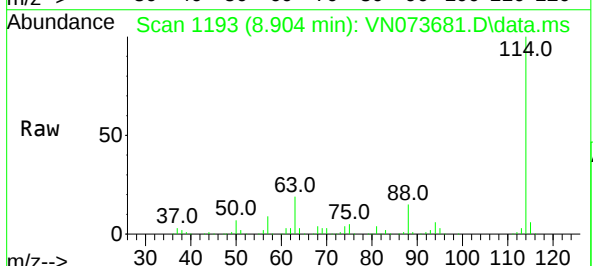
Tgt Ion: 114 Resp: 589860

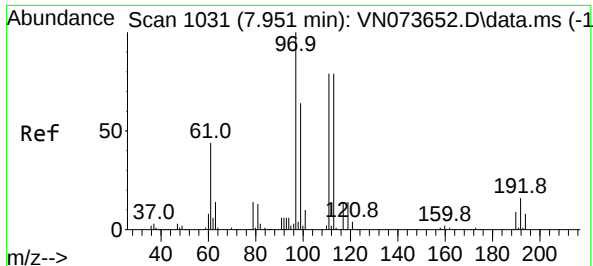
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 14.6 0.0 32.6

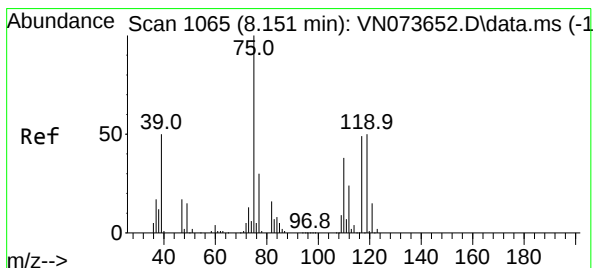
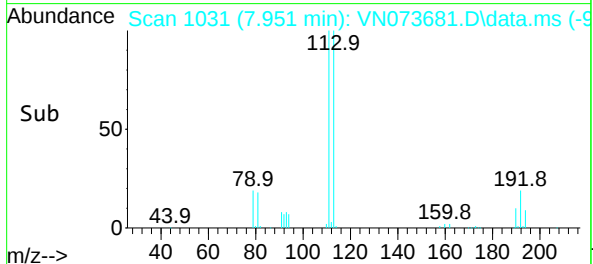
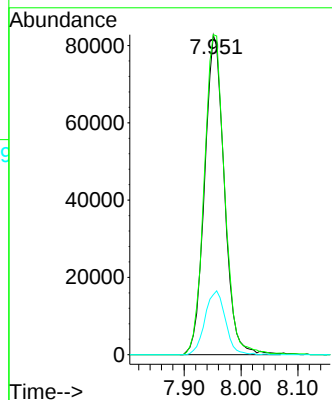
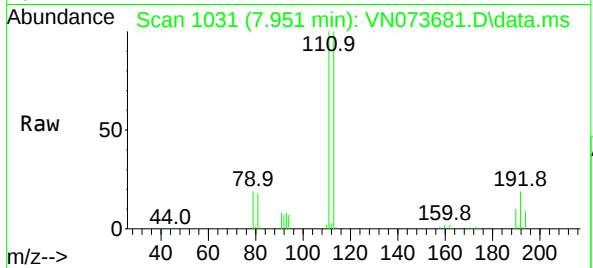




#35
Dibromofluoromethane
Concen: 53.809 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

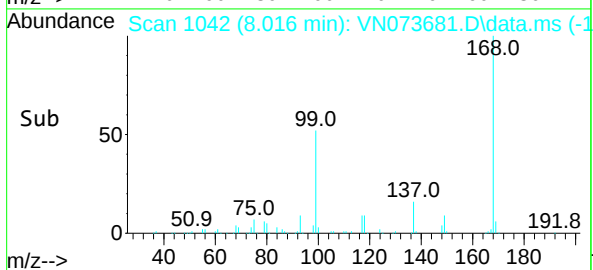
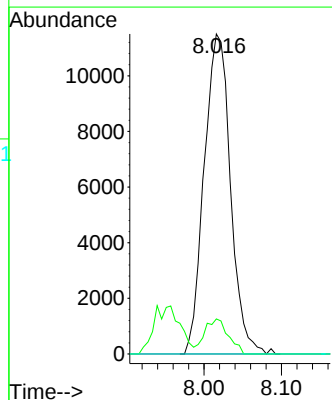
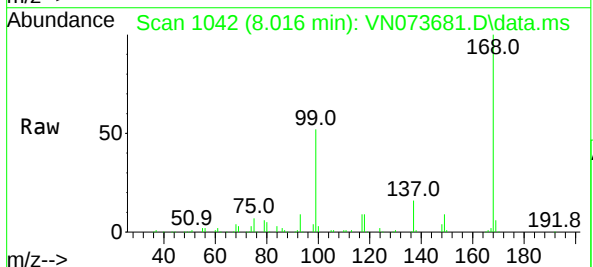
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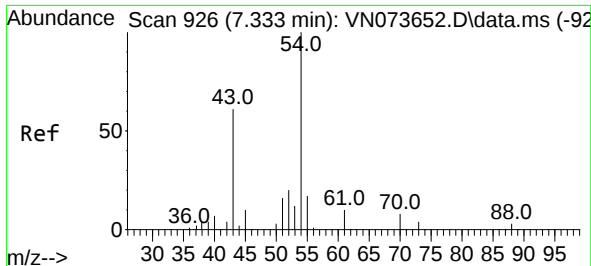
Tgt Ion:113 Resp: 199307
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.0
192 20.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.142 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

Tgt Ion: 75 Resp: 27143
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 25.1 37.7#

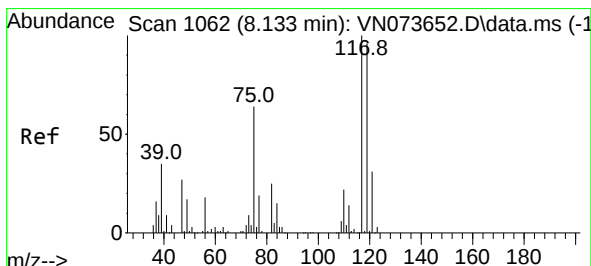
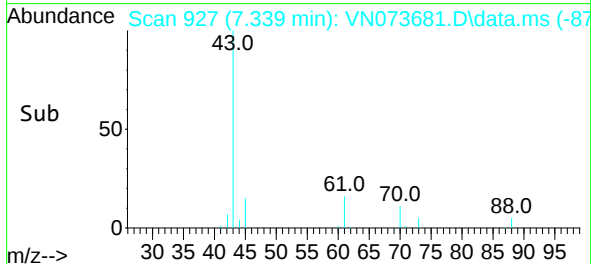
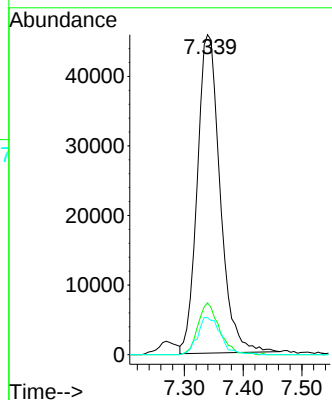
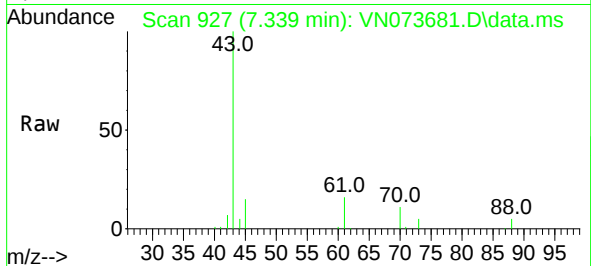




#37
Ethyl Acetate
Concen: 17.784 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

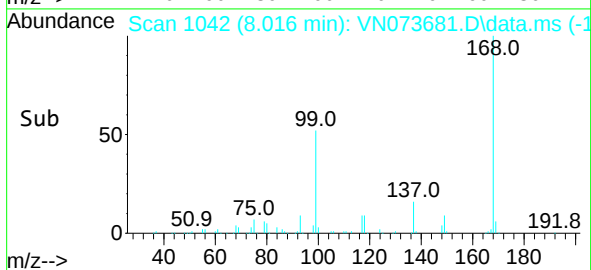
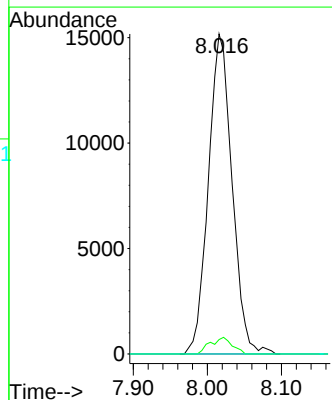
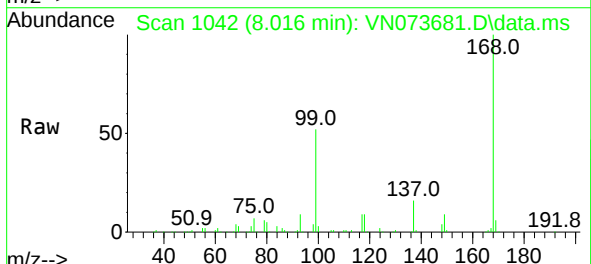
Instrument :
MSVOA_N
ClientSampleId :
MW-8R

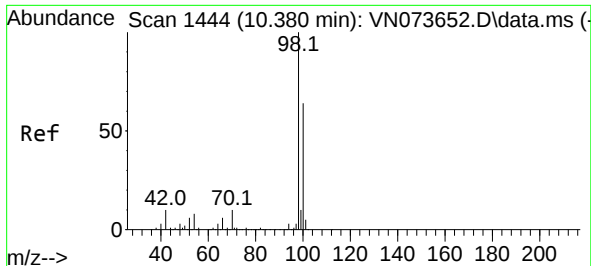
Tgt Ion: 43 Resp: 123636
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 11.7 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.298 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

Tgt Ion: 117 Resp: 33766
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 24.6 37.0#

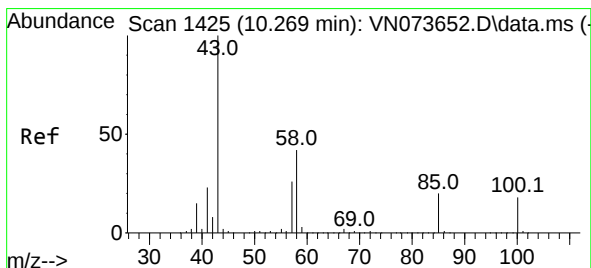
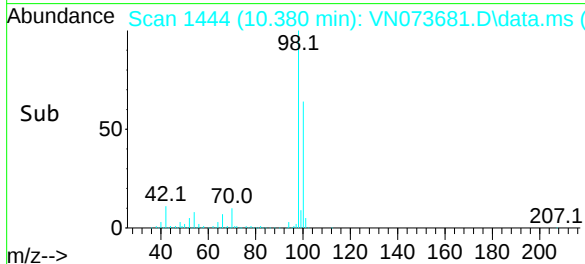
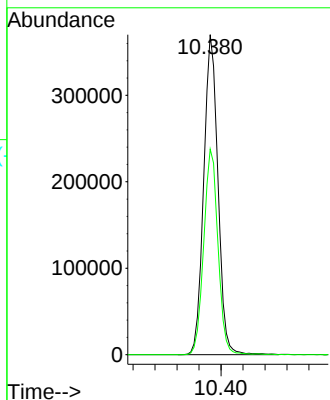
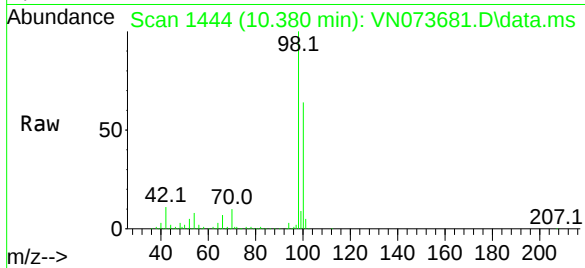




#50
Toluene-d8
Concen: 45.655 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

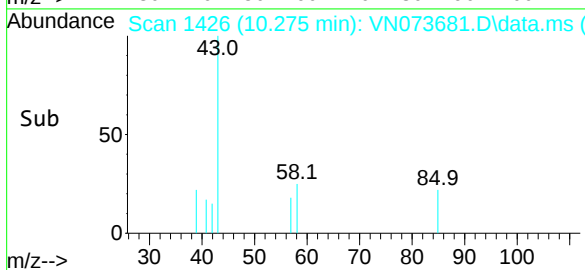
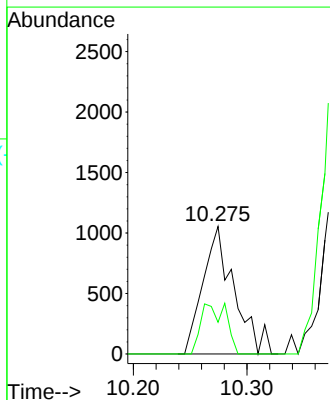
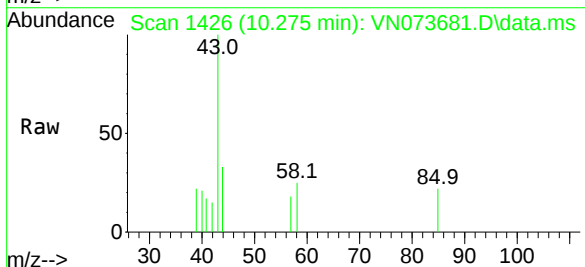
Instrument :
MSVOA_N
ClientSampleId :
MW-8R

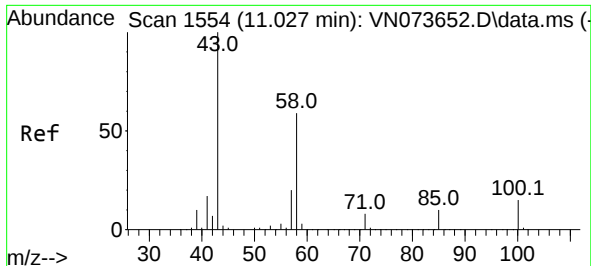
Tgt Ion: 98 Resp: 665437
Ion Ratio Lower Upper
98 100
100 64.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.299 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

Tgt Ion: 43 Resp: 2016
Ion Ratio Lower Upper
43 100
58 31.6 34.1 51.1#

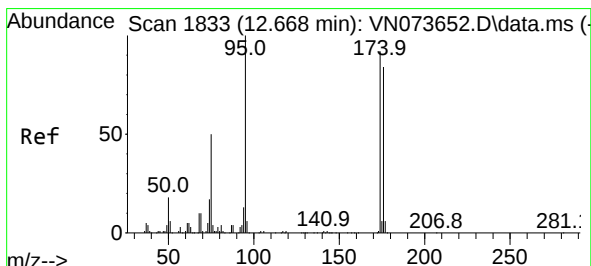
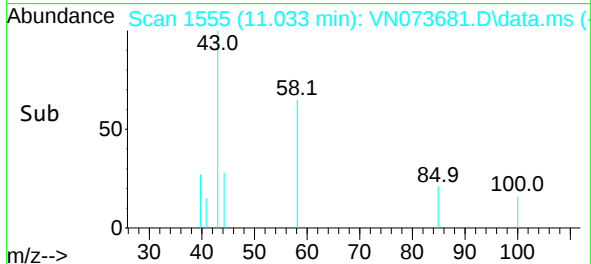
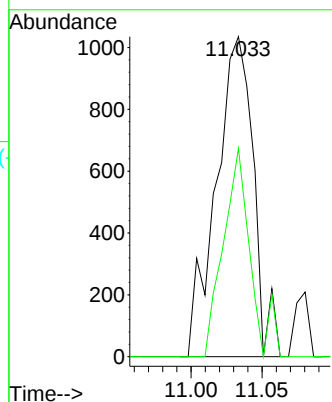
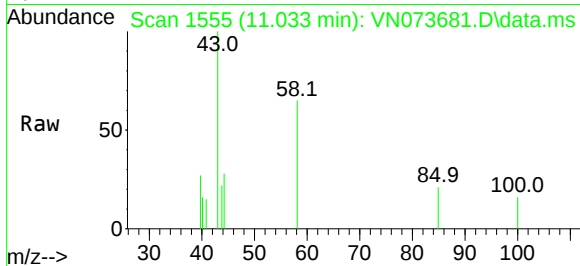




#59
2-Hexanone
Concen: 0.371 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

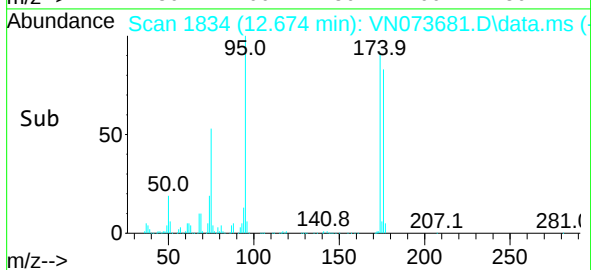
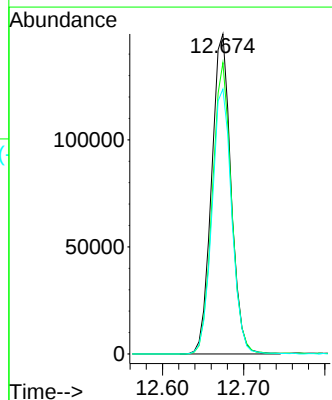
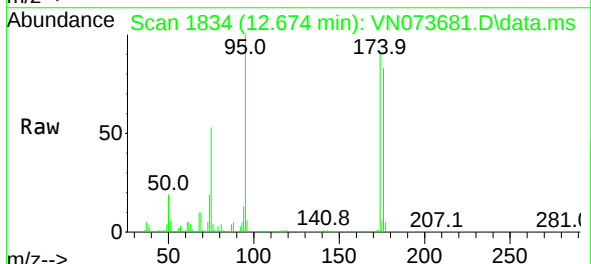
Instrument :
MSVOA_N
ClientSampleId :
MW-8R

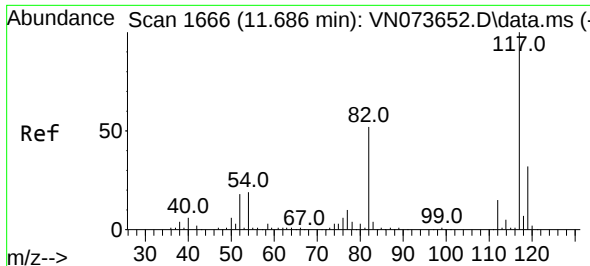
Tgt Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
58 47.0 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 50.741 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

Tgt Ion: 95 Resp: 247802
Ion Ratio Lower Upper
95 100
174 89.5 0.0 167.6
176 84.4 0.0 163.4

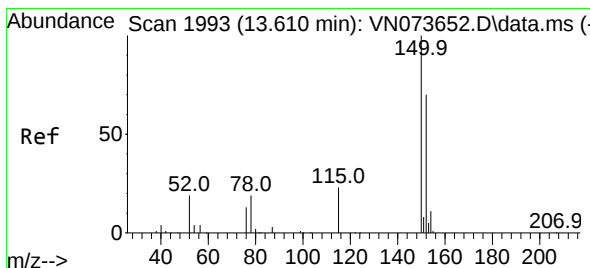
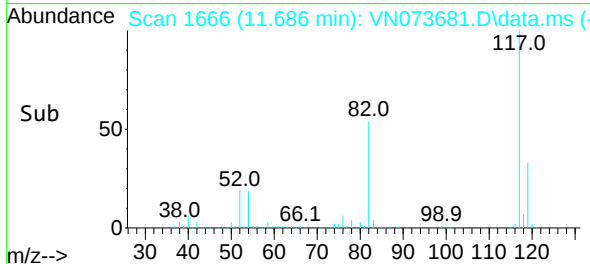
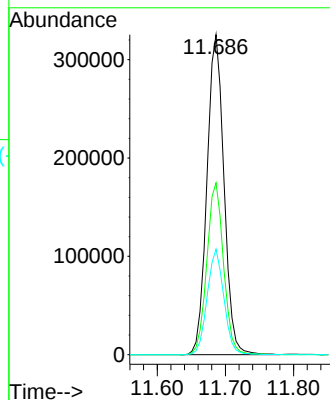
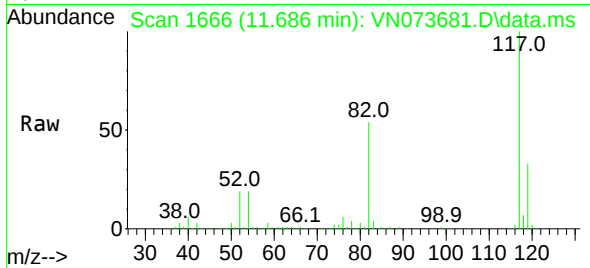




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

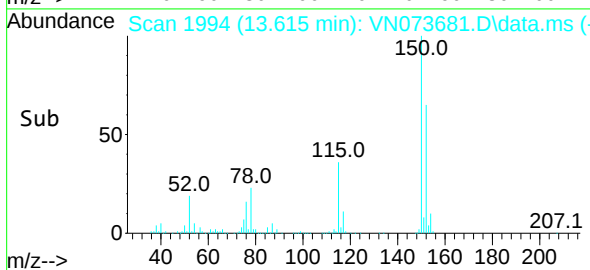
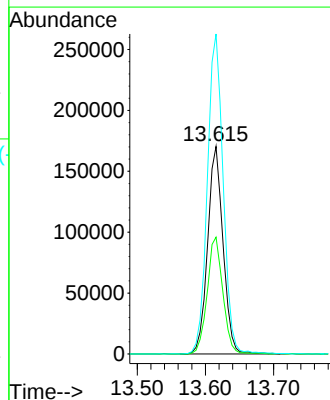
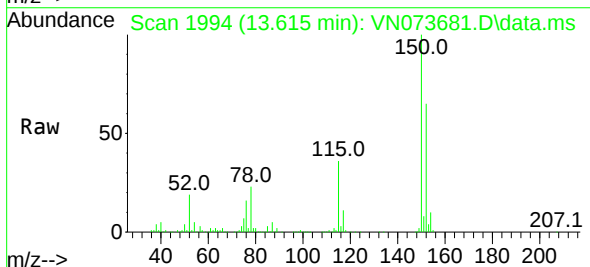
Instrument :
MSVOA_N
ClientSampleId :
MW-8R

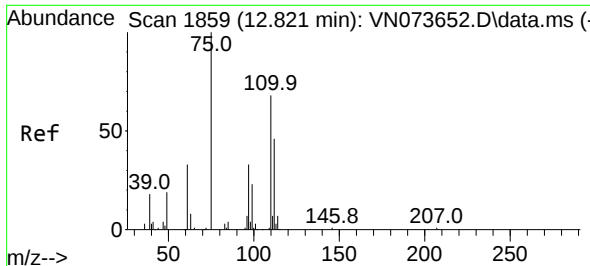
Tgt Ion:117 Resp: 565849
Ion Ratio Lower Upper
117 100
82 53.7 44.2 66.2
119 33.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

Tgt Ion:152 Resp: 268943
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 157.9 0.0 356.2

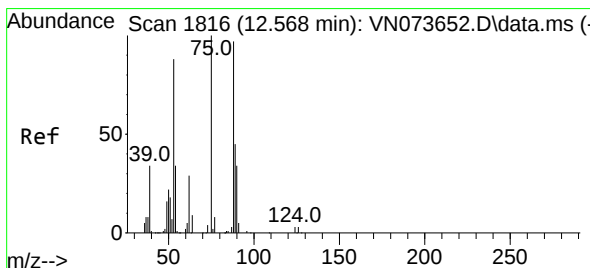
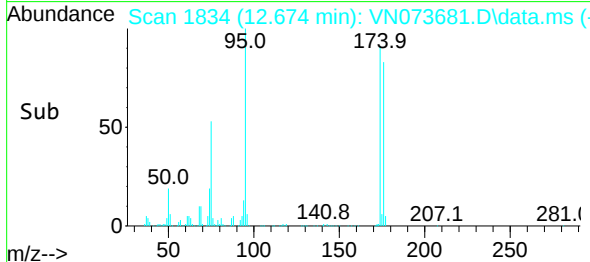
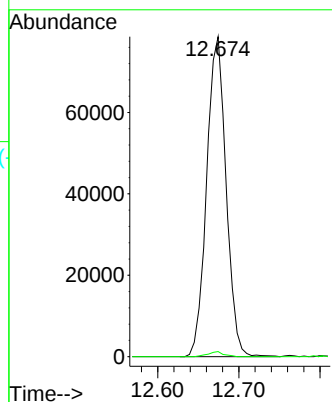
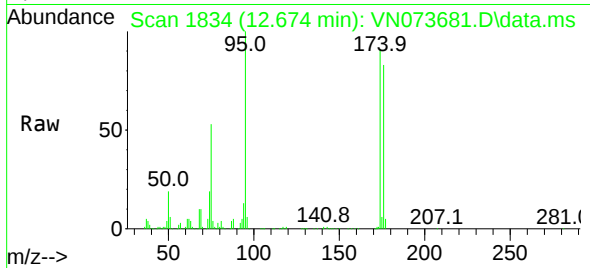




#76
1,2,3-Trichloropropane
Concen: 24.860 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

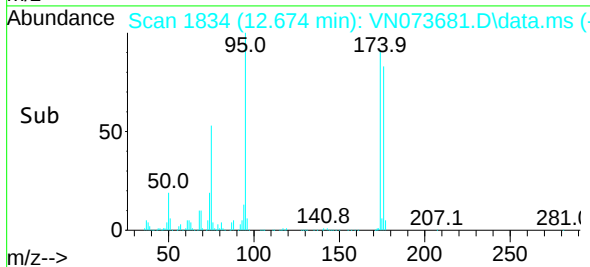
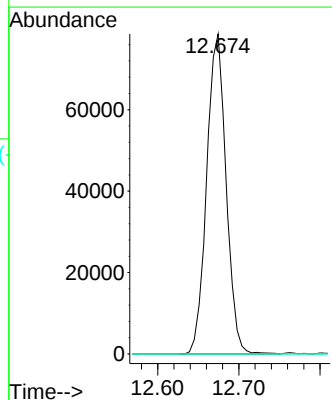
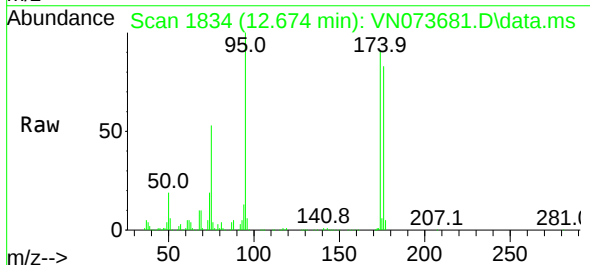
Instrument :
MSVOA_N
ClientSampleId :
MW-8R

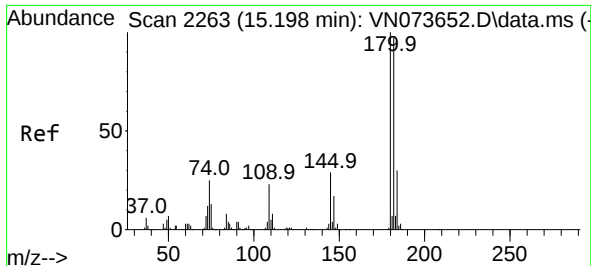
Tgt Ion: 75 Resp: 130468
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.867 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

Tgt Ion: 75 Resp: 130468
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

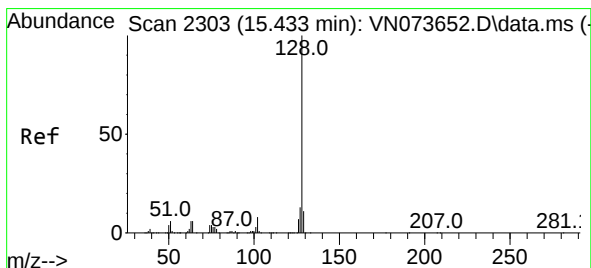
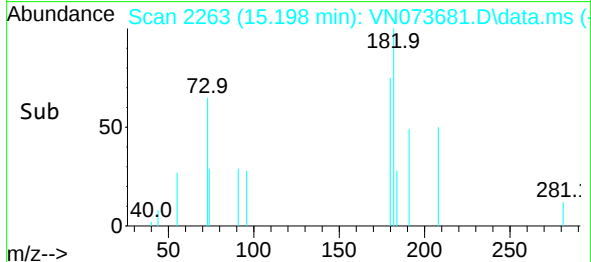
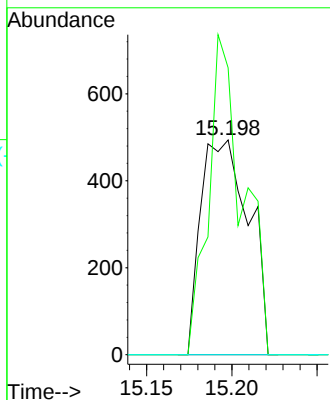
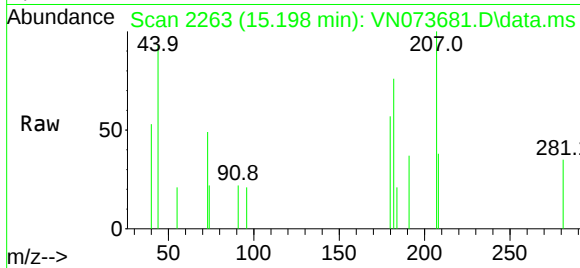




#93
1,2,4-Trichlorobenzene
Concen: 0.206 ug/l
RT: 15.198 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

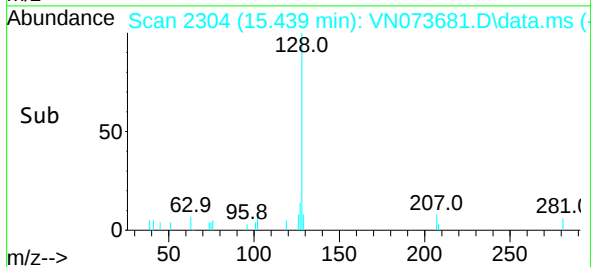
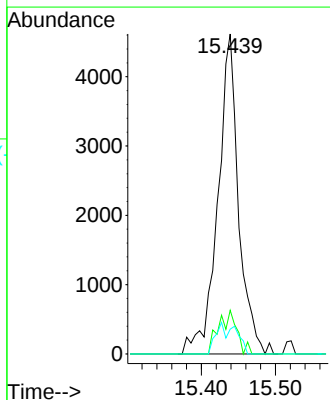
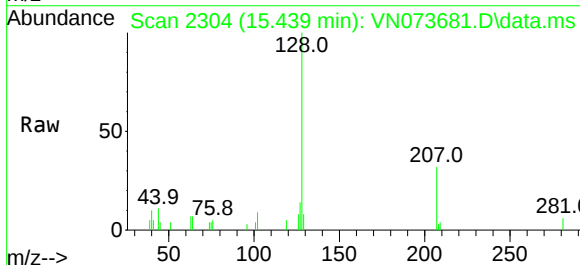
Instrument :
MSVOA_N
ClientSampleId :
MW-8R

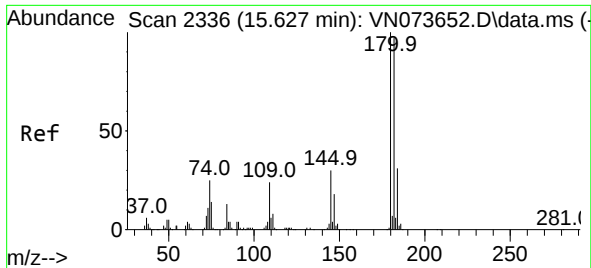
Tgt Ion:180 Resp: 969
Ion Ratio Lower Upper
180 100
182 106.5 47.5 142.5
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 0.588 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN073681.D
Acq: 02 Aug 2022 12:44

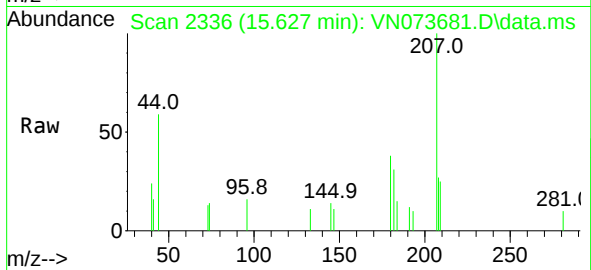
Tgt Ion:128 Resp: 8992
Ion Ratio Lower Upper
128 100
127 12.1 10.3 15.5
129 4.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.223 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN073681.D
 Acq: 02 Aug 2022 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8R



Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	11.9	15.5	46.5

