

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080222\
 Data File : VN073687.D
 Acq On : 02 Aug 2022 15:12
 Operator : JC\MD
 Sample : N3971-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-20R

Quant Time: Aug 03 02:06:54 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)

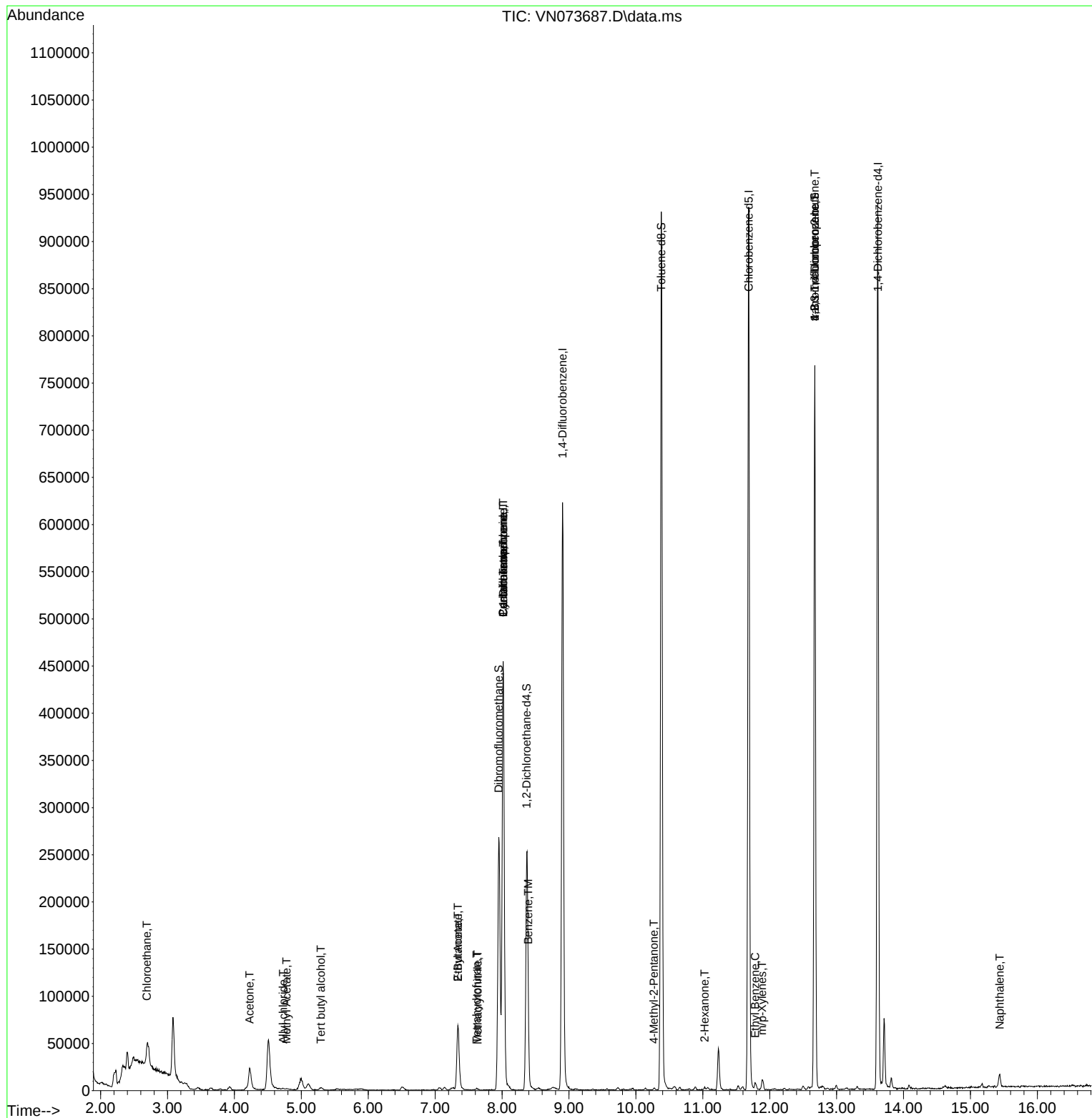
Internal Standards						
1) Pentafluorobenzene	8.016	168	360617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	576703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	553714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	265686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	212207	48.287	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.580%		
35) Dibromofluoromethane	7.951	113	197215	54.459	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.920%		
50) Toluene-d8	10.380	98	656225	46.050	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.100%		
62) 4-Bromofluorobenzene	12.674	95	248704	51.863	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.720%		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	1043	Below Cal		95
6) Chloroethane	2.693	64	40246	9.559 ug/l #		51
11) Tert butyl alcohol	5.292	59	4447	4.692 ug/l #		86
14) Allyl chloride	4.728	41	1418	0.259 ug/l #		24
16) Acetone	4.228	43	43664	18.498 ug/l		100
18) Methyl Acetate	4.781	43	1836	0.313 ug/l #		53
20) Methylene Chloride	4.998	84	1551	Below Cal #		69
25) 2-Butanone	7.339	43	106280	28.993 ug/l #		45
29) Tetrahydrofuran	7.622	42	1404	0.606 ug/l #		67
31) Cyclohexane	8.016	56	8715	1.332 ug/l #		27
36) 1,1-Dichloropropene	8.016	75	26201	5.076 ug/l #		48
37) Ethyl Acetate	7.339	43	106280	15.636 ug/l		99
38) Carbon Tetrachloride	8.016	117	32791	6.255 ug/l #		16
40) Benzene	8.392	78	4711	0.281 ug/l		98
41) Methacrylonitrile	7.634	41	776	0.252 ug/l #		20
51) 4-Methyl-2-Pentanone	10.269	43	1656	0.251 ug/l #		76
59) 2-Hexanone	11.027	43	1088	0.218 ug/l		70
67) Ethyl Benzene	11.780	91	5081	0.256 ug/l		100
68) m/p-Xylenes	11.886	106	3911	0.517 ug/l		94
76) 1,2,3-Trichloropropane	12.674	75	126522	24.341 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.674	75	126522	61.713 ug/l #		11
95) Naphthalene	15.439	128	15008	0.994 ug/l		98

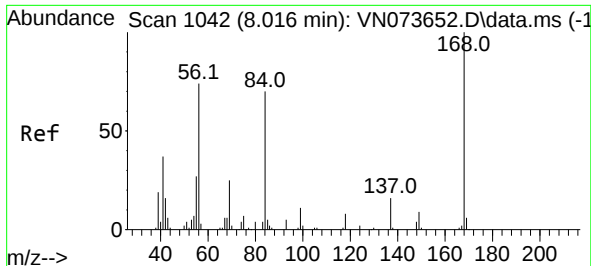
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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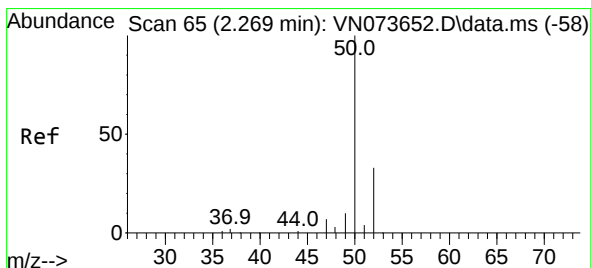
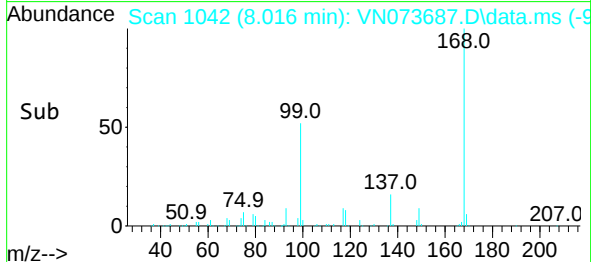
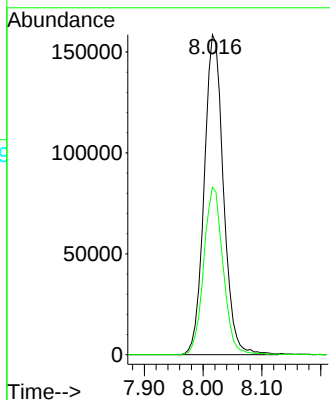
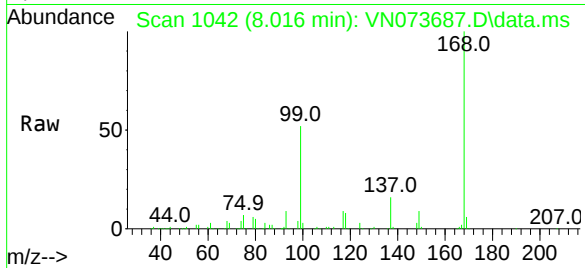




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

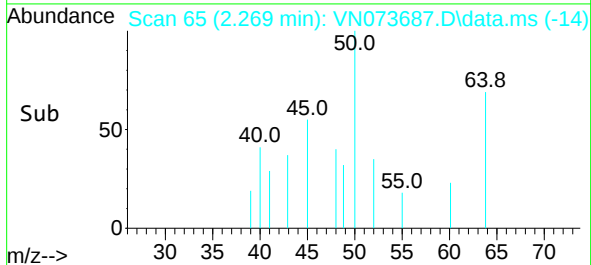
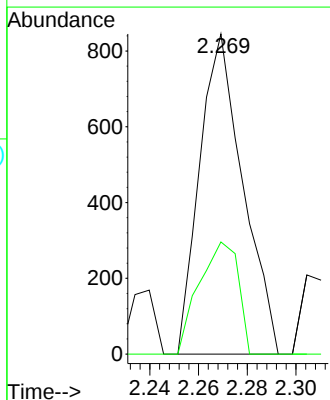
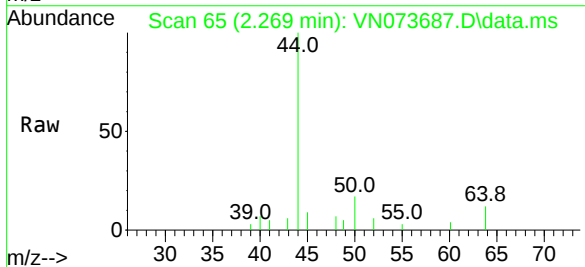
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

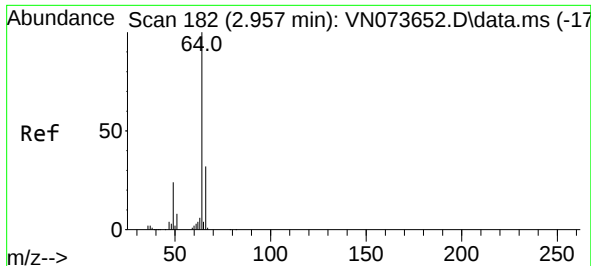
Tgt Ion:168 Resp: 360617
Ion Ratio Lower Upper
168 100
99 52.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

Tgt Ion: 50 Resp: 1043
Ion Ratio Lower Upper
50 100
52 35.0 25.7 38.5

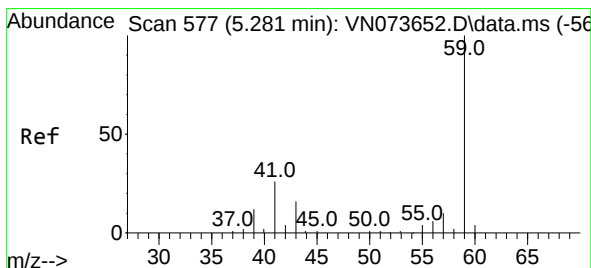
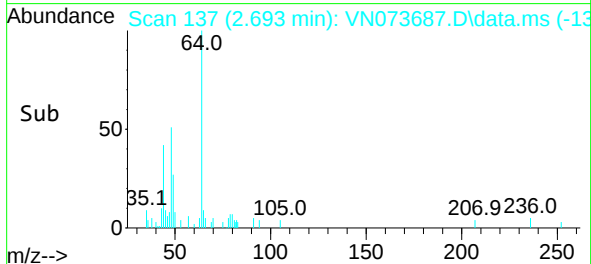
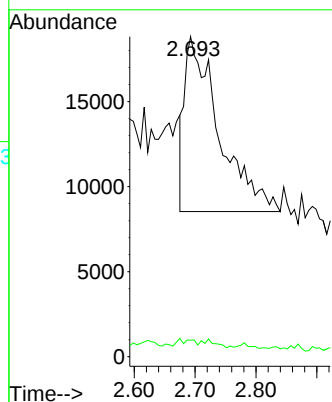
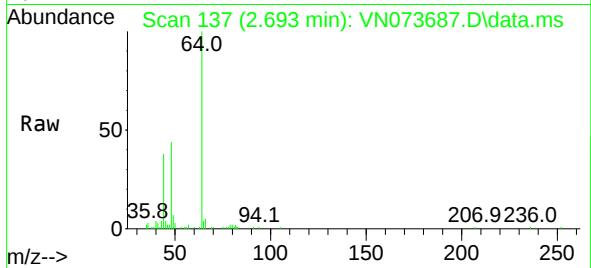




#6
Chloroethane
Concen: 9.559 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.264 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

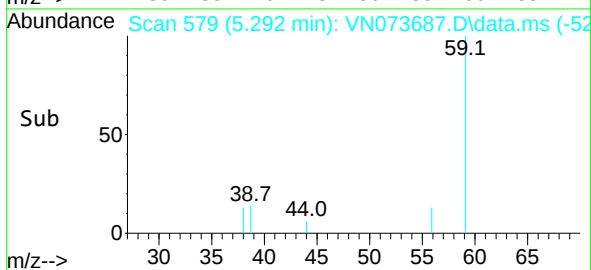
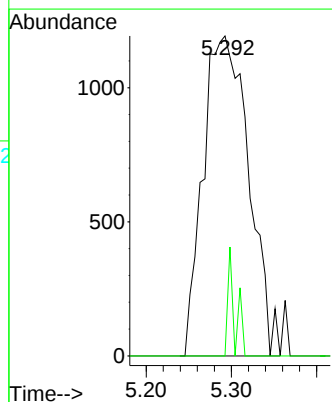
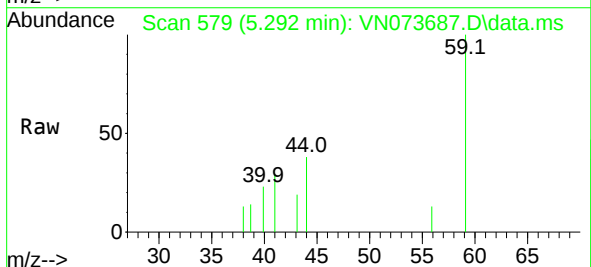
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

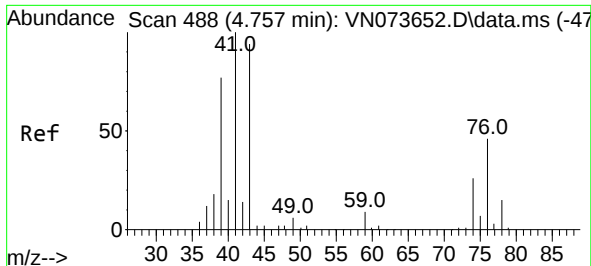
Tgt Ion: 64 Resp: 40246
Ion Ratio Lower Upper
64 100
66 4.9 26.2 39.4#



#11
Tert butyl alcohol
Concen: 4.692 ug/l
RT: 5.292 min Scan# 579
Delta R.T. 0.000 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

Tgt Ion: 59 Resp: 4447
Ion Ratio Lower Upper
59 100
57 5.2 8.3 12.5#

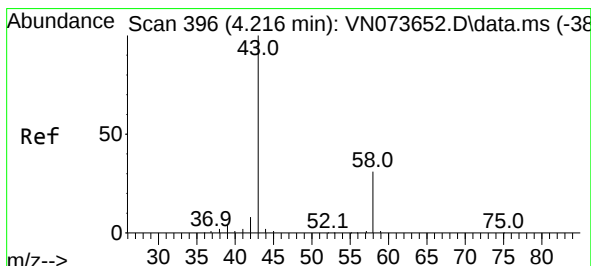
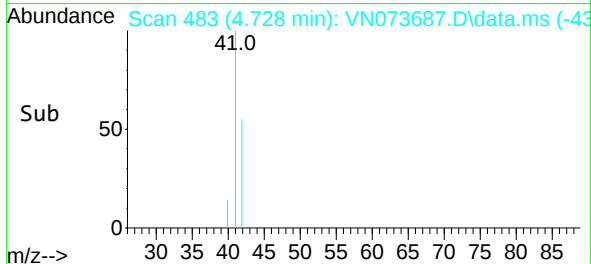
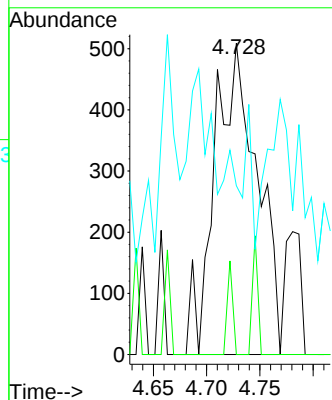
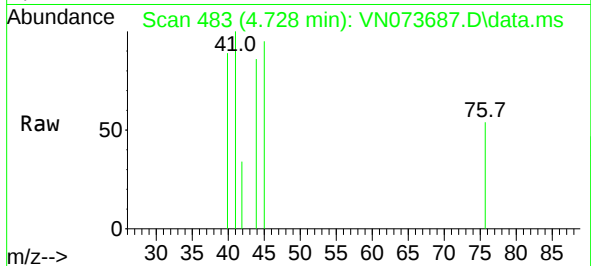




#14
 Allyl chloride
 Concen: 0.259 ug/l
 RT: 4.728 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: VN073687.D
 Acq: 02 Aug 2022 15:12

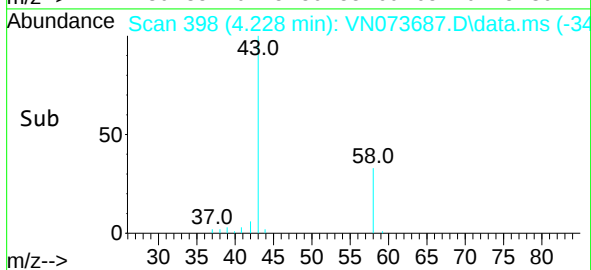
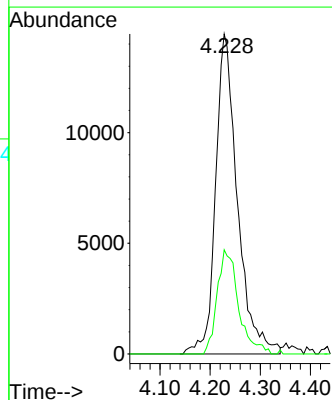
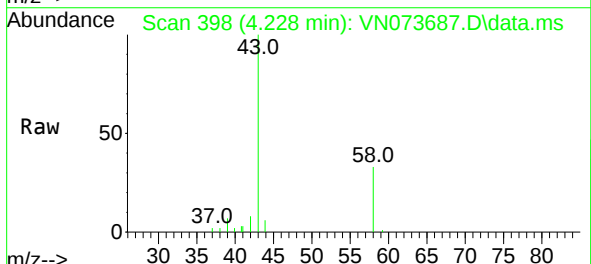
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-20R

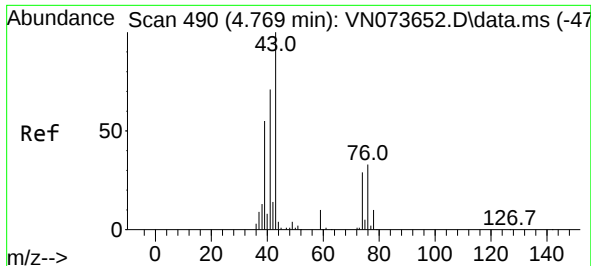
Tgt Ion: 41 Resp: 1418
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 18.498 ug/l
 RT: 4.228 min Scan# 398
 Delta R.T. 0.006 min
 Lab File: VN073687.D
 Acq: 02 Aug 2022 15:12

Tgt Ion: 43 Resp: 43664
 Ion Ratio Lower Upper
 43 100
 58 32.5 26.0 39.0

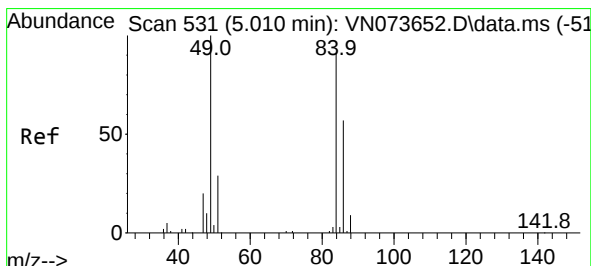
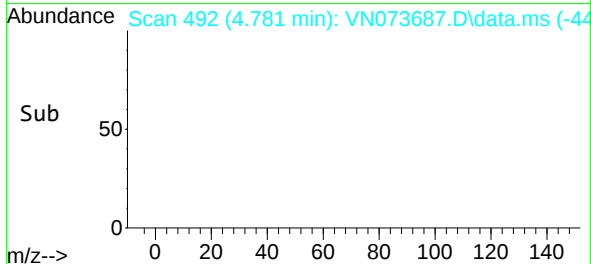
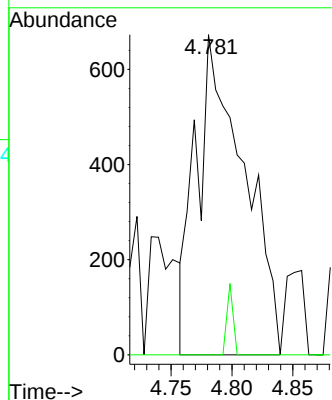
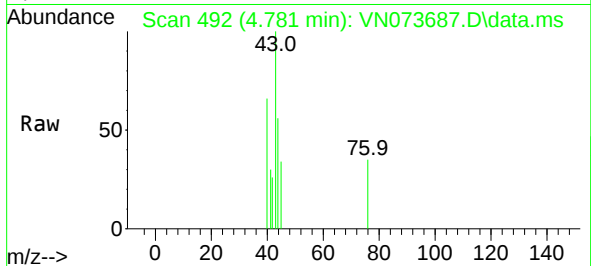




#18
Methyl Acetate
Concen: 0.313 ug/l
RT: 4.781 min Scan# 490
Delta R.T. 0.000 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

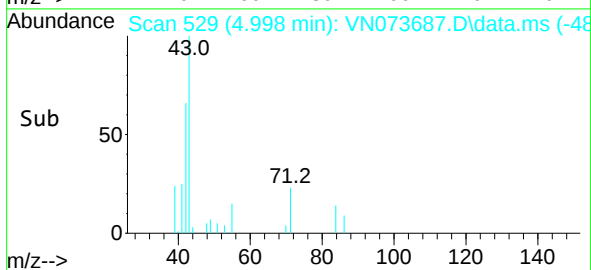
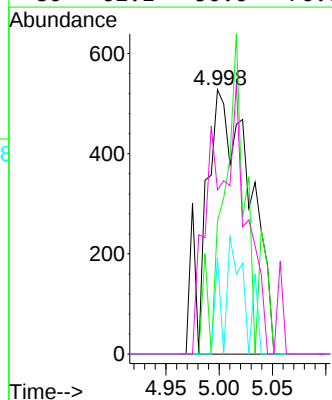
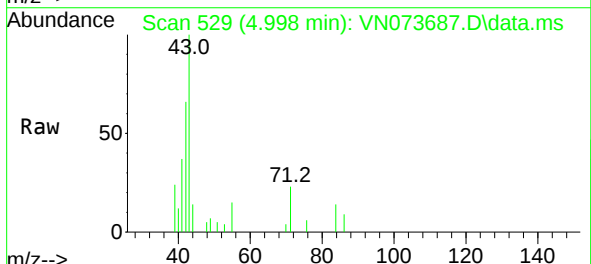
Instrument :
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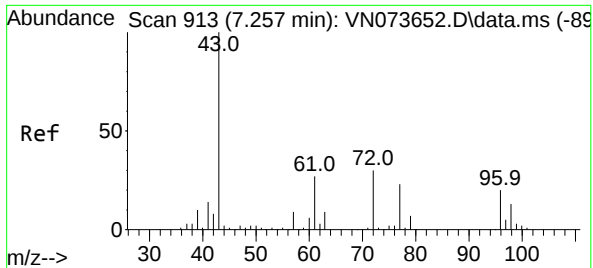
Tgt Ion: 43 Resp: 1836
Ion Ratio Lower Upper
43 100
74 2.9 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.998 min Scan# 529
Delta R.T. -0.012 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

Tgt Ion: 84 Resp: 1551
Ion Ratio Lower Upper
84 100
49 50.4 88.3 132.5#
51 36.4 28.2 42.2
86 62.1 50.6 76.0

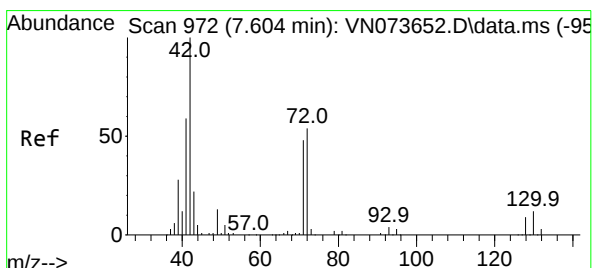
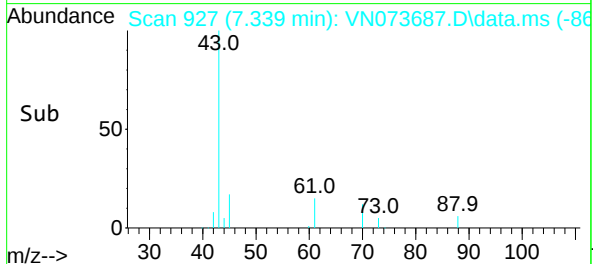
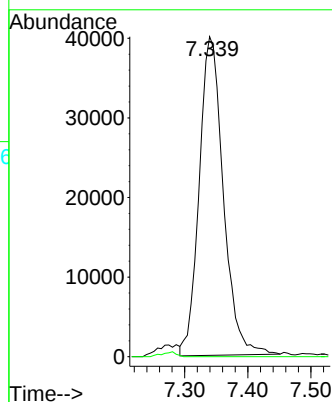
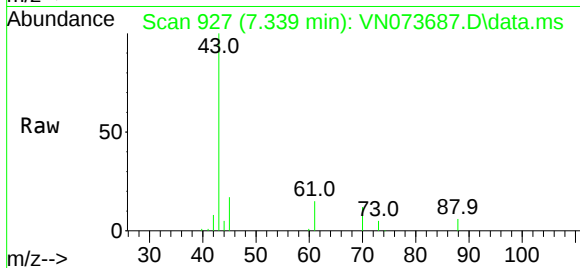




#25
2-Butanone
Concen: 28.993 ug/l
RT: 7.339 min Scan# 913
Delta R.T. 0.082 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

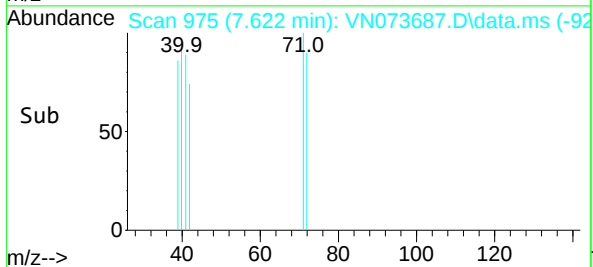
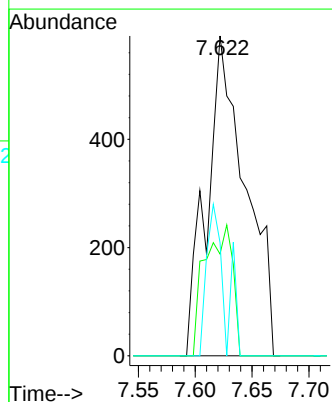
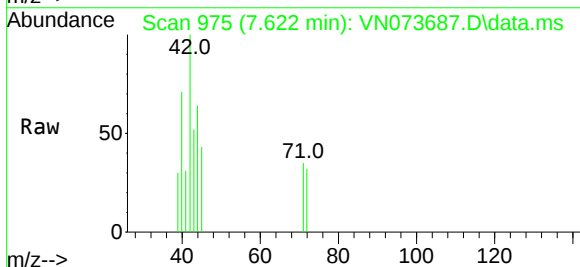
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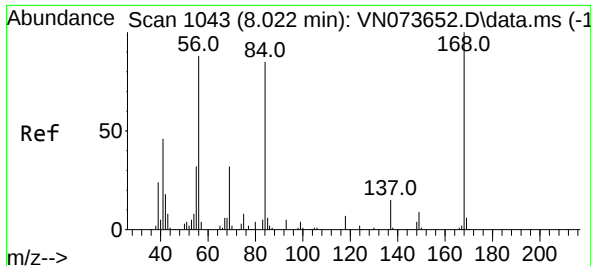
Tgt Ion: 43 Resp: 106280
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.606 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.012 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

Tgt Ion: 42 Resp: 1404
Ion Ratio Lower Upper
42 100
72 29.2 39.7 59.5#
71 22.2 36.6 55.0#

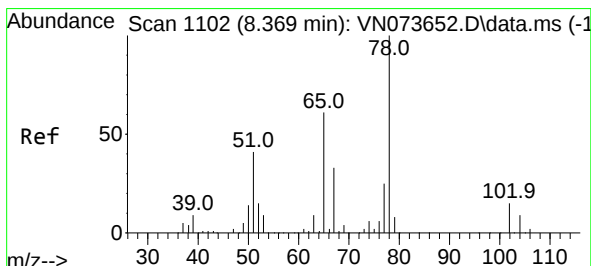
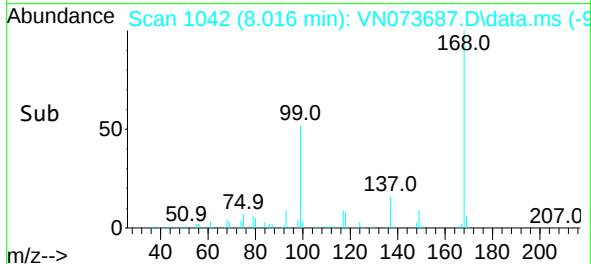
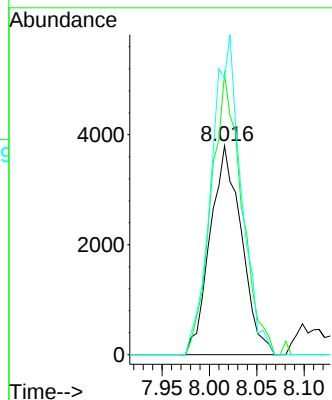
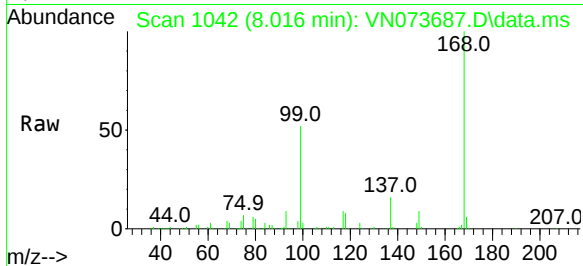




#31
Cyclohexane
Concen: 1.332 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

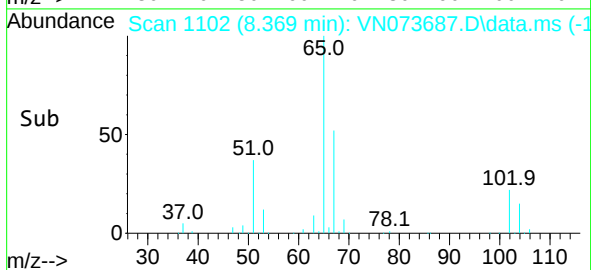
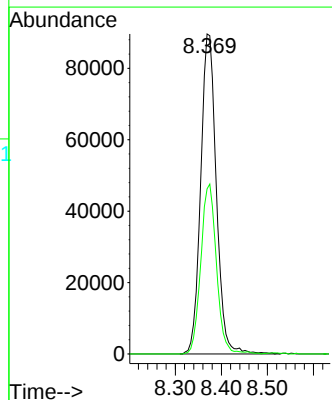
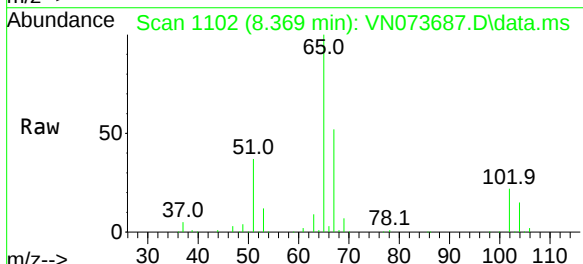
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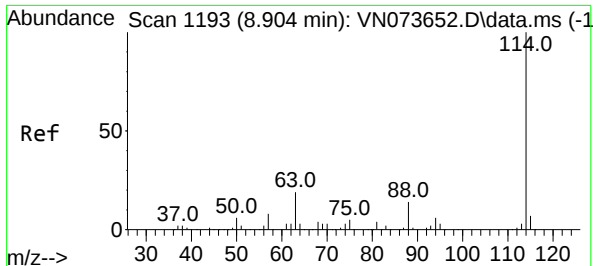
Tgt Ion: 56 Resp: 8715
Ion Ratio Lower Upper
56 100
69 134.7 27.8 41.8#
84 132.4 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.287 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

Tgt Ion: 65 Resp: 212207
Ion Ratio Lower Upper
65 100
67 53.2 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: VN073687.D

Acq: 02 Aug 2022 15:12

Instrument :

MSVOA_N

ClientSampleId :

MW-20R

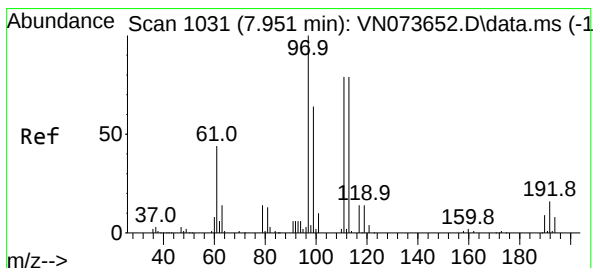
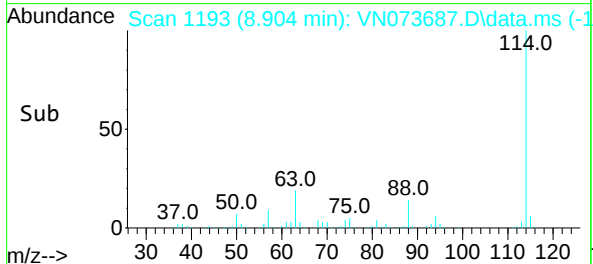
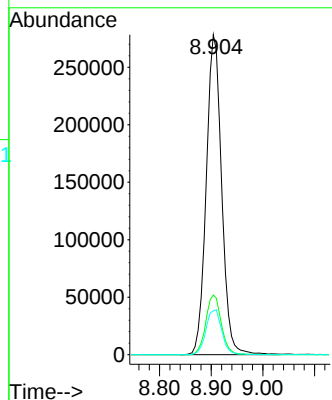
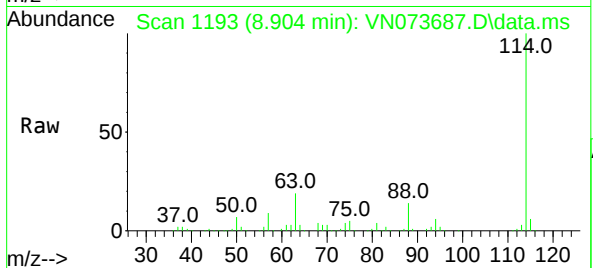
Tgt Ion:114 Resp: 576703

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 13.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.459 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073687.D

Acq: 02 Aug 2022 15:12

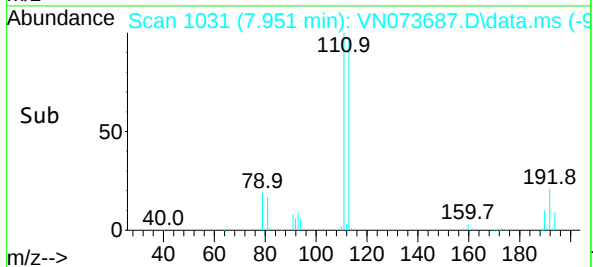
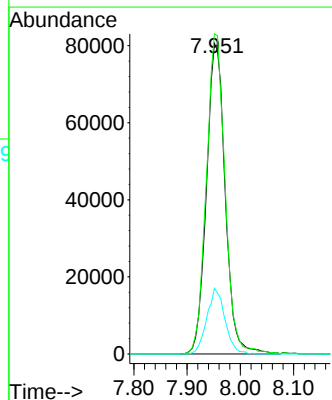
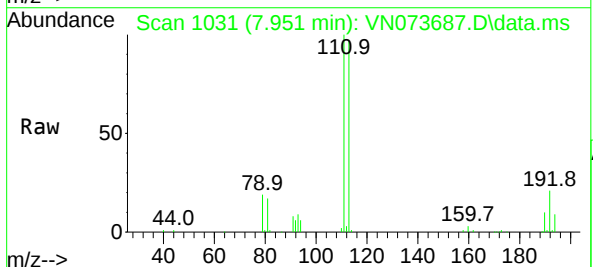
Tgt Ion:113 Resp: 197215

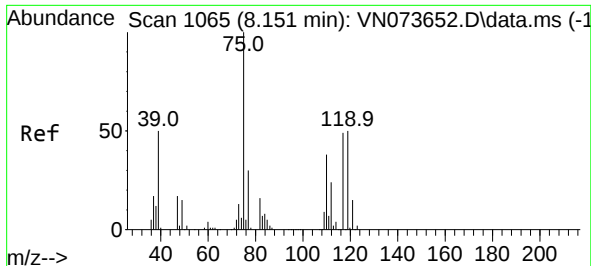
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 20.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.076 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN073687.D

Acq: 02 Aug 2022 15:12

Instrument :

MSVOA_N

ClientSampleId :

MW-20R

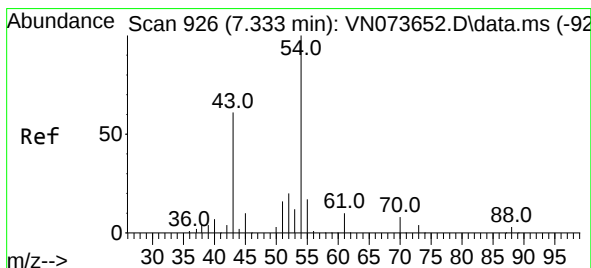
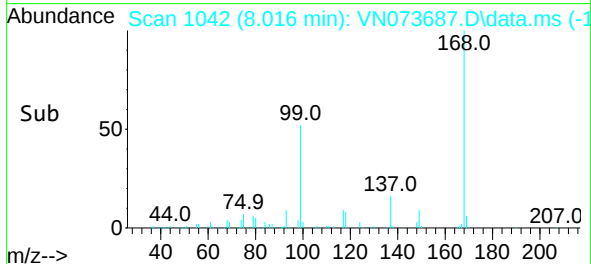
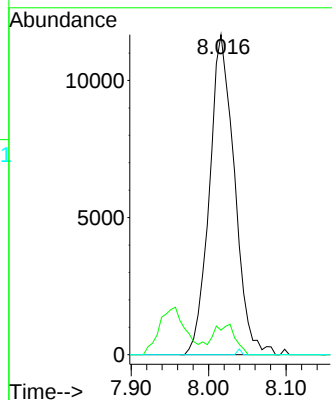
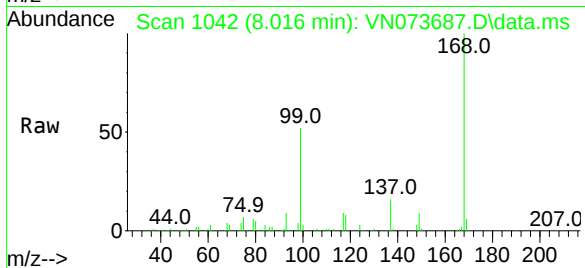
Tgt Ion: 75 Resp: 26201

Ion Ratio Lower Upper

75 100

110 8.0 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 15.636 ug/l

RT: 7.339 min Scan# 927

Delta R.T. 0.000 min

Lab File: VN073687.D

Acq: 02 Aug 2022 15:12

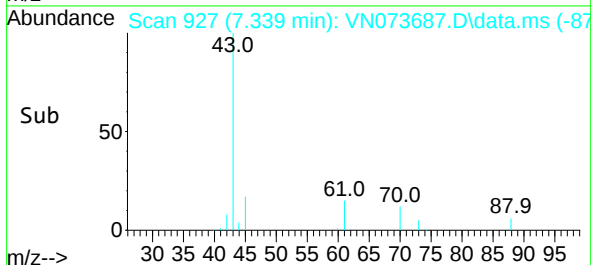
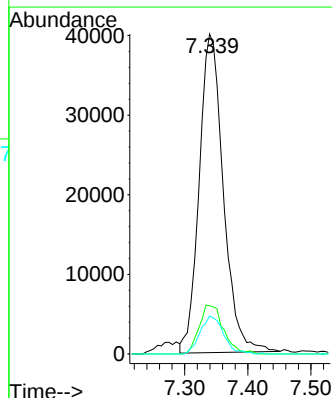
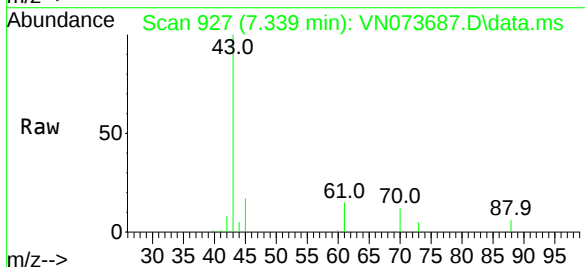
Tgt Ion: 43 Resp: 106280

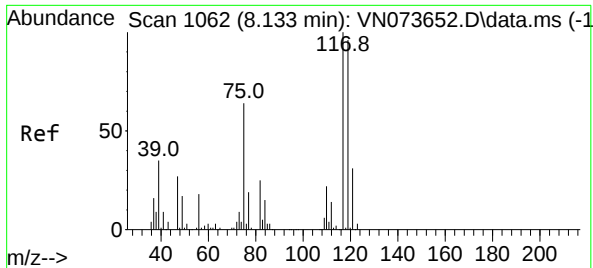
Ion Ratio Lower Upper

43 100

61 15.4 11.8 17.6

70 11.5 9.3 13.9

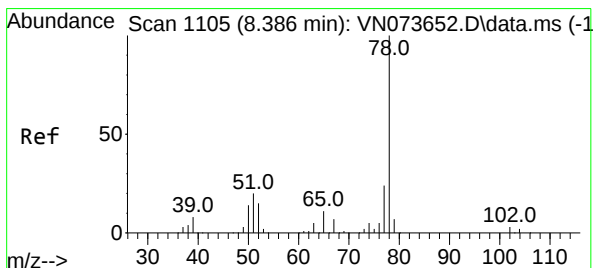
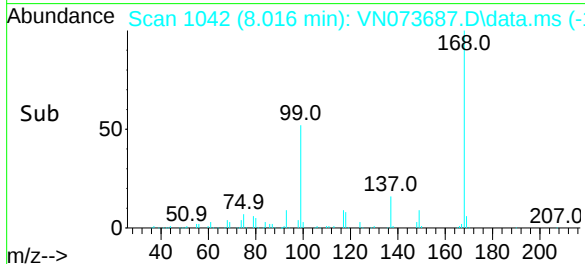
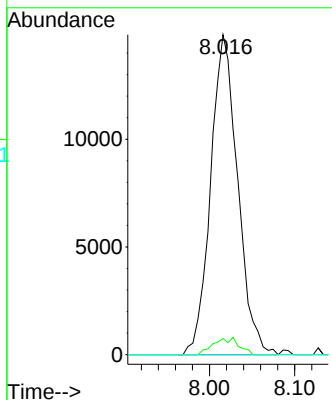
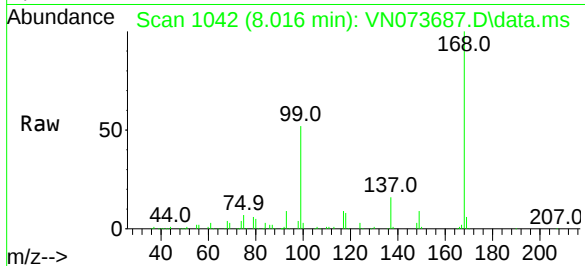




#38
Carbon Tetrachloride
Concen: 6.255 ug/l
RT: 8.016 min Scan# 1106
Delta R.T. -0.118 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

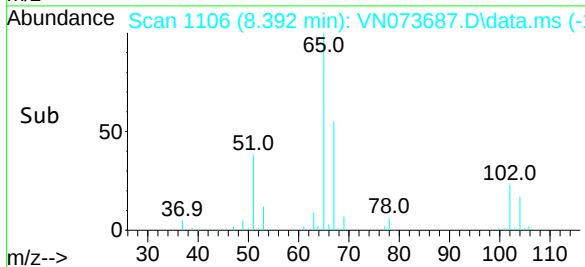
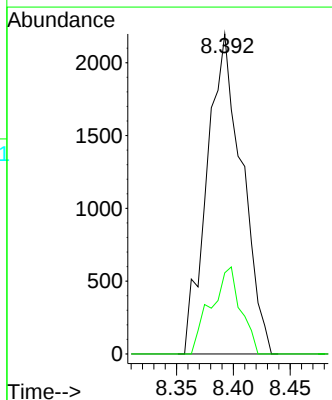
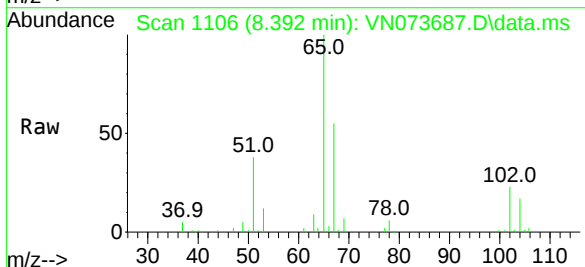
Instrument :
MSVOA_N
ClientSampleId :
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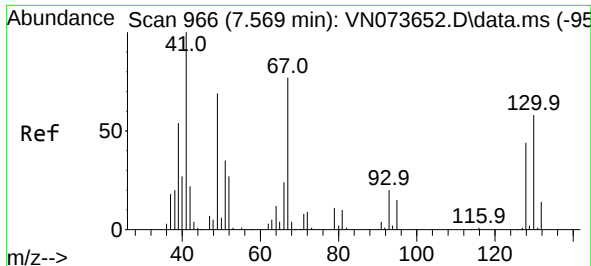
Tgt Ion:117 Resp: 32791
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.281 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

Tgt Ion: 78 Resp: 4711
Ion Ratio Lower Upper
78 100
77 25.3 19.4 29.0

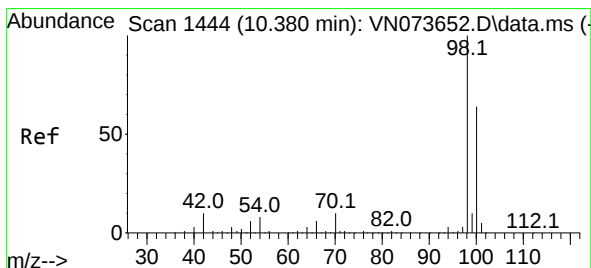
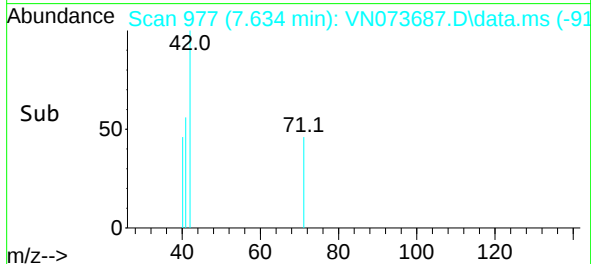
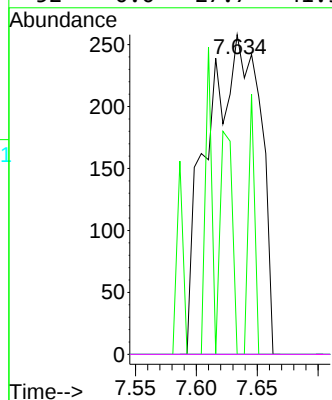
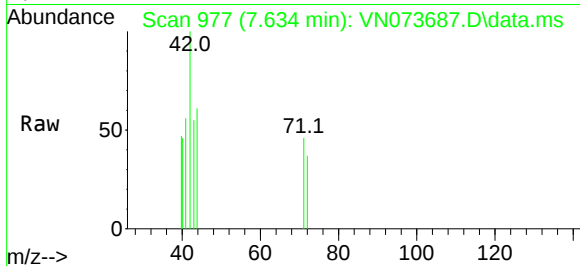




#41
Methacrylonitrile
Concen: 0.252 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.071 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

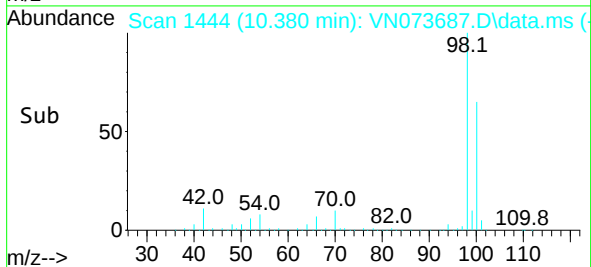
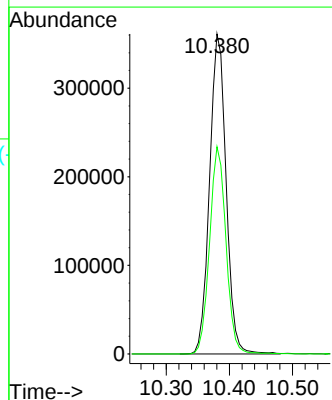
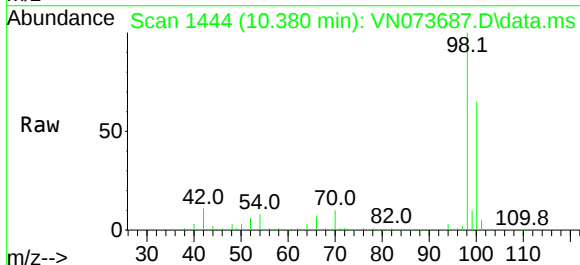
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

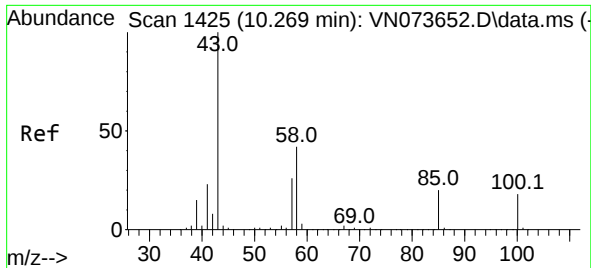
Tgt Ion: 41 Resp: 776
Ion Ratio Lower Upper
41 100
39 9.5 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#50
Toluene-d8
Concen: 46.050 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

Tgt Ion: 98 Resp: 656225
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8

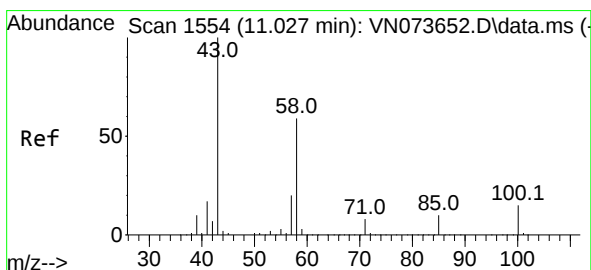
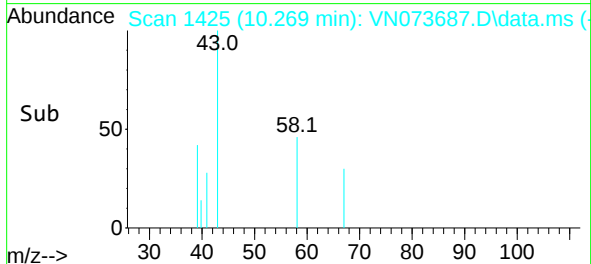
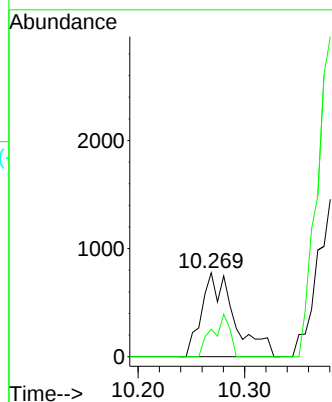
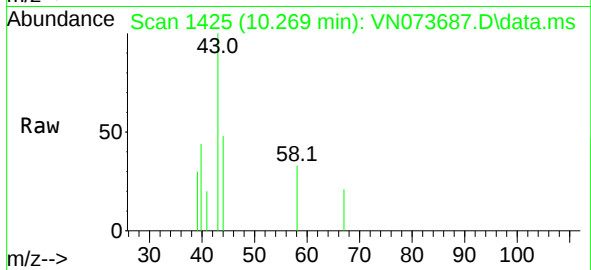




#51
4-Methyl-2-Pentanone
Concen: 0.251 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

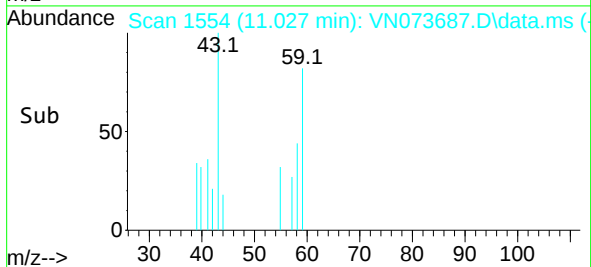
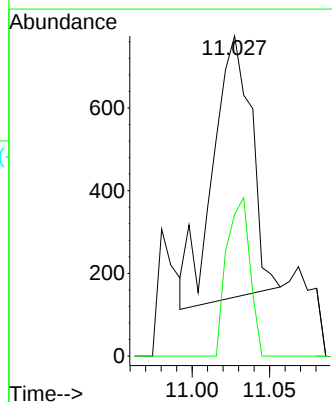
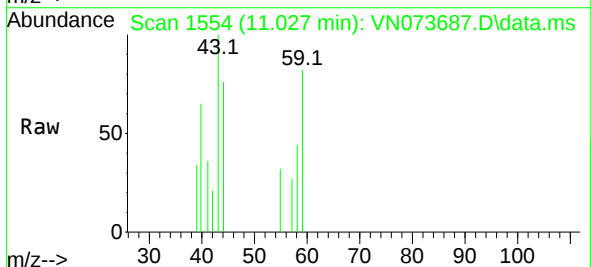
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

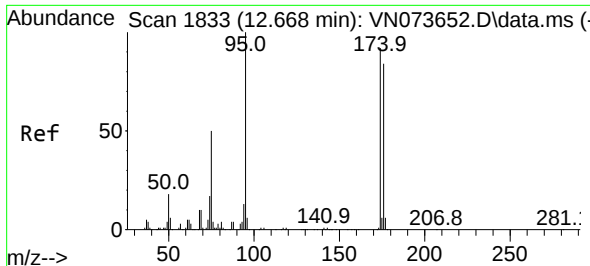
Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
58 27.1 34.1 51.1#



#59
2-Hexanone
Concen: 0.218 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

Tgt Ion: 43 Resp: 1088
Ion Ratio Lower Upper
43 100
58 36.6 29.7 89.1

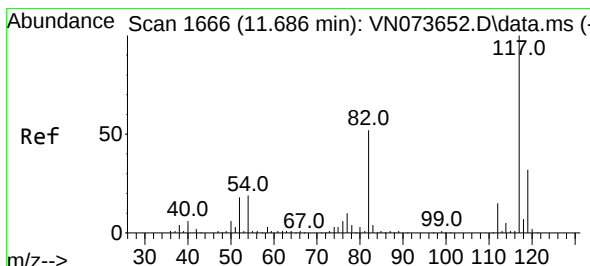
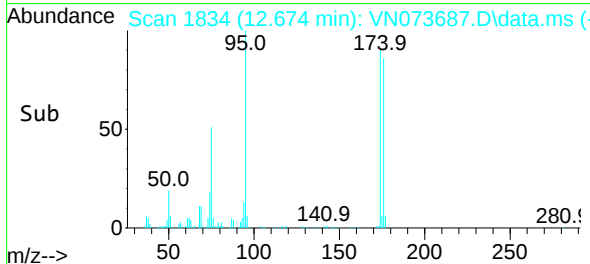
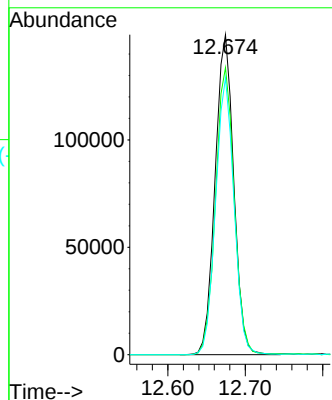
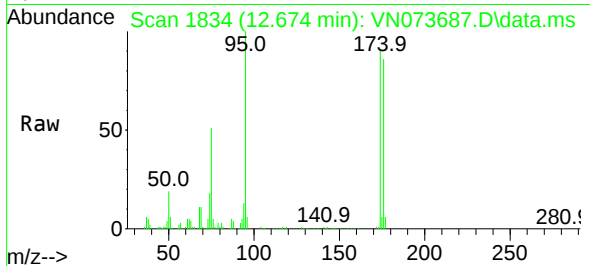




#62
4-Bromofluorobenzene
Concen: 51.863 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

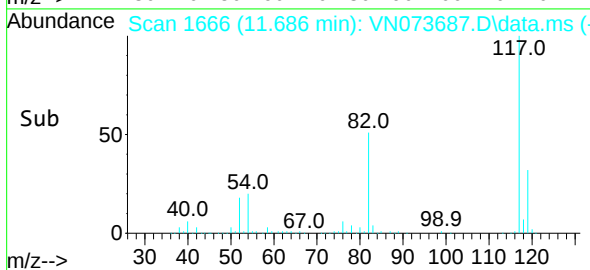
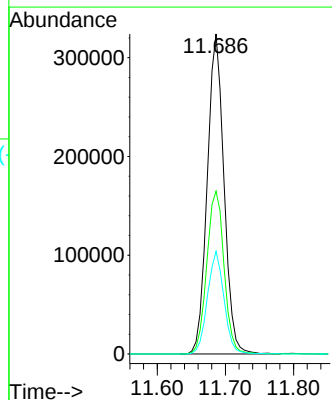
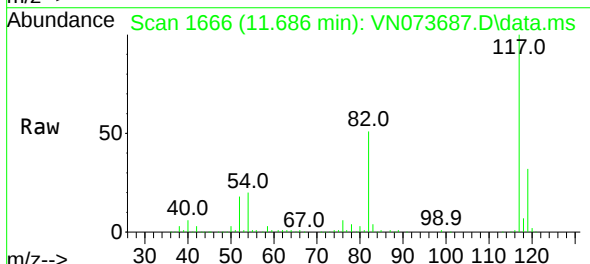
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

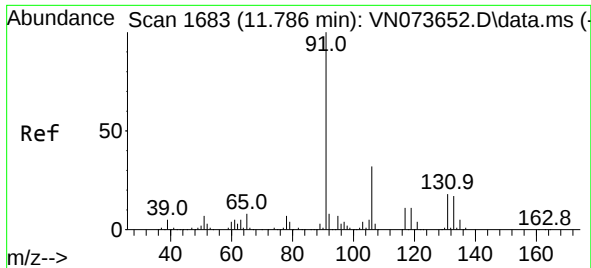
Tgt Ion: 95 Resp: 248704
Ion Ratio Lower Upper
95 100
174 90.0 0.0 167.6
176 85.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

Tgt Ion: 117 Resp: 553714
Ion Ratio Lower Upper
117 100
82 50.9 44.2 66.2
119 32.1 25.4 38.0

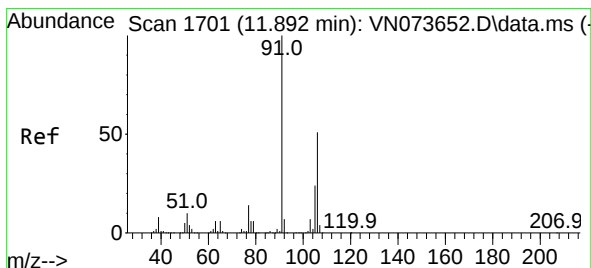
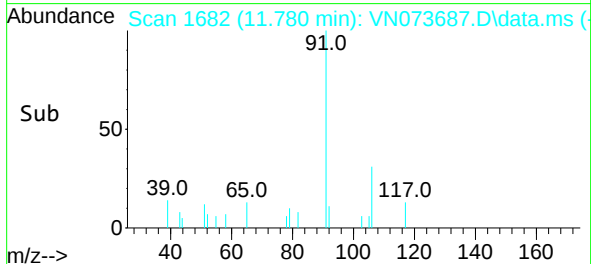
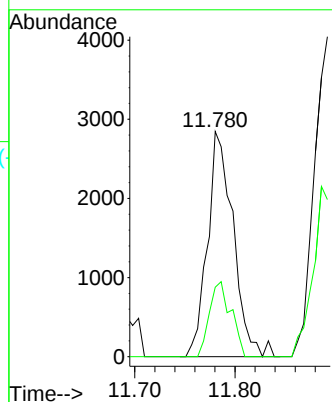
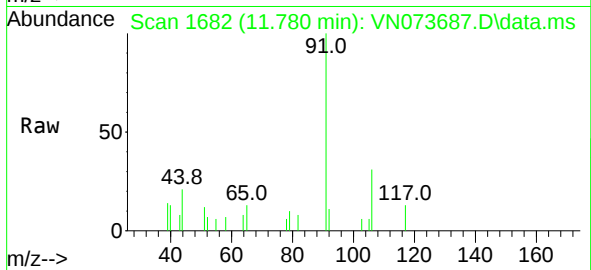




#67
Ethyl Benzene
Concen: 0.256 ug/l
RT: 11.780 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

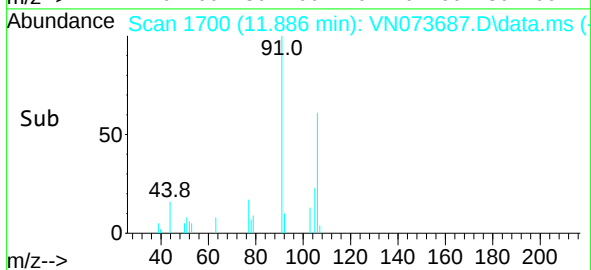
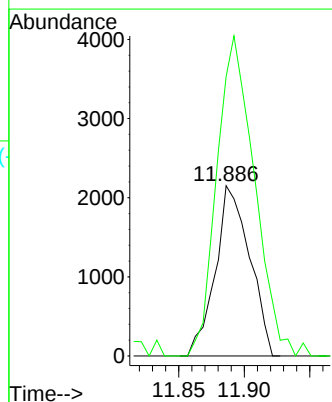
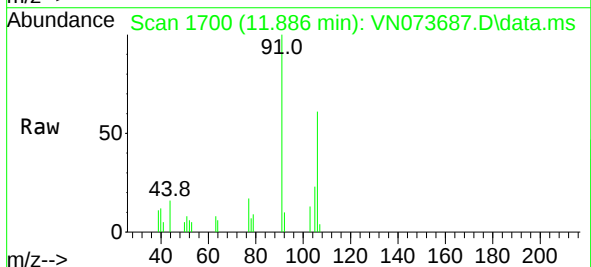
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

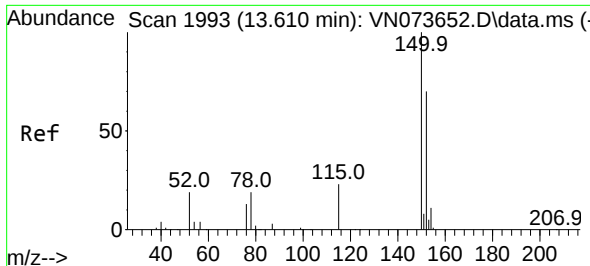
Tgt Ion: 91 Resp: 5081
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3



#68
m/p-Xylenes
Concen: 0.517 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. -0.012 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

Tgt Ion: 106 Resp: 3911
Ion Ratio Lower Upper
106 100
91 207.1 158.9 238.3

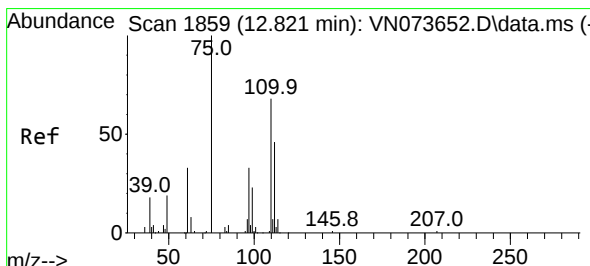
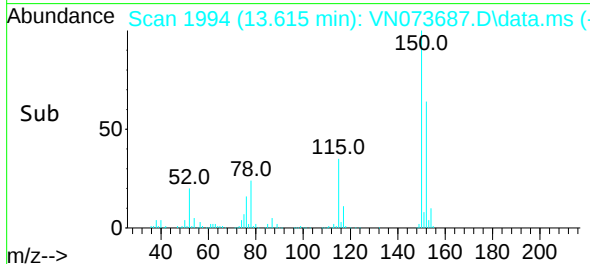
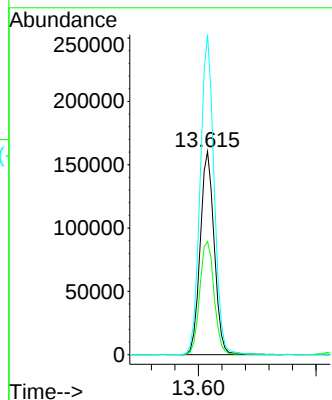
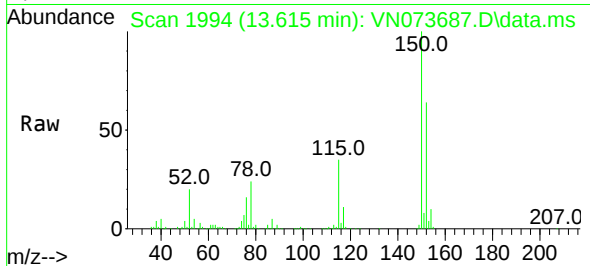




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

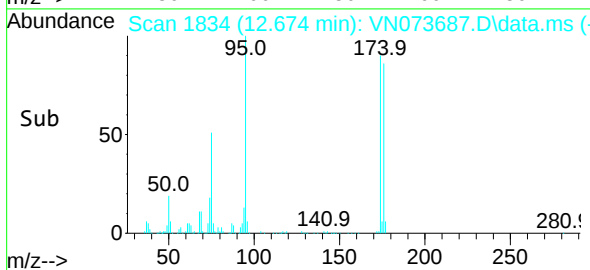
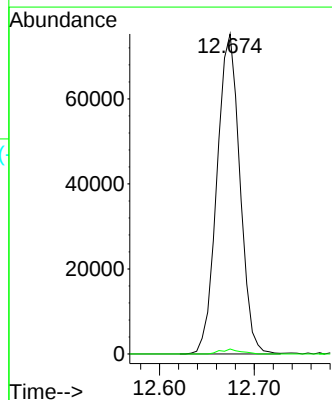
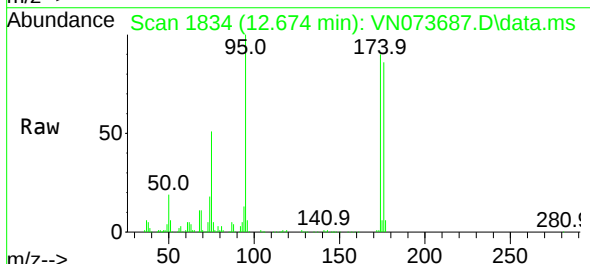
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

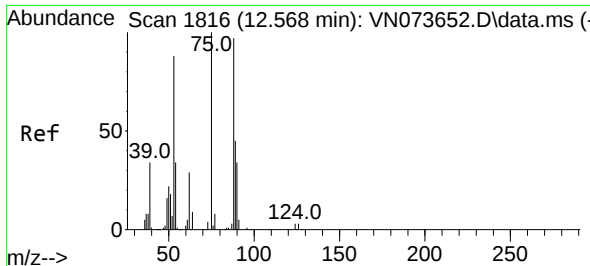
Tgt Ion:152 Resp: 265686
Ion Ratio Lower Upper
152 100
115 57.2 28.9 86.7
150 156.4 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 24.341 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

Tgt Ion: 75 Resp: 126522
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

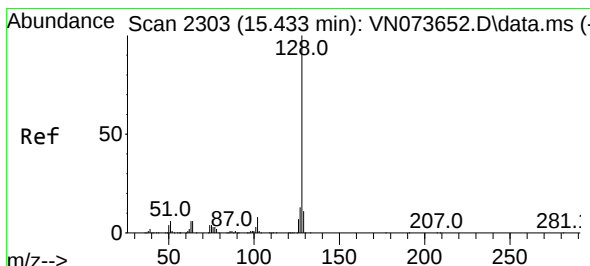
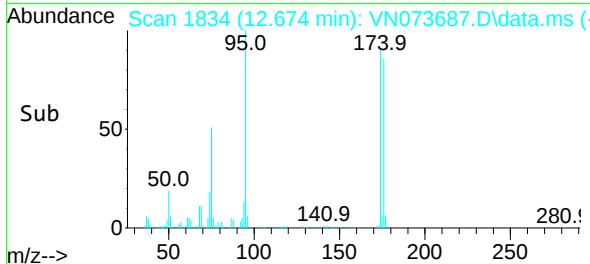
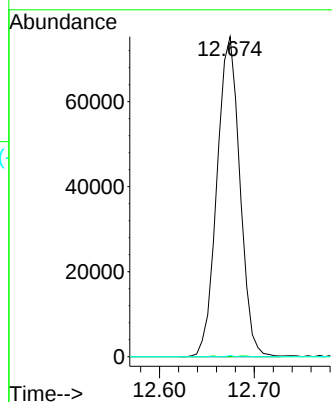
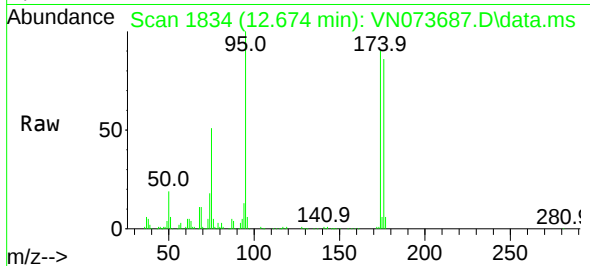




#81
trans-1,4-Dichloro-2-butene
Concen: 61.713 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.106 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

Instrument :
MSVOA_N
ClientSampleId :
MW-20R

Tgt Ion: 75 Resp: 126522
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#



#95
Naphthalene
Concen: 0.994 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN073687.D
Acq: 02 Aug 2022 15:12

Tgt Ion: 128 Resp: 15008
Ion Ratio Lower Upper
128 100
127 11.4 10.3 15.5
129 11.0 8.6 13.0

