

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101022\
 Data File : VN074833.D
 Acq On : 10 Oct 2022 15:48
 Operator : JC\MD
 Sample : N4894-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 06:25:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

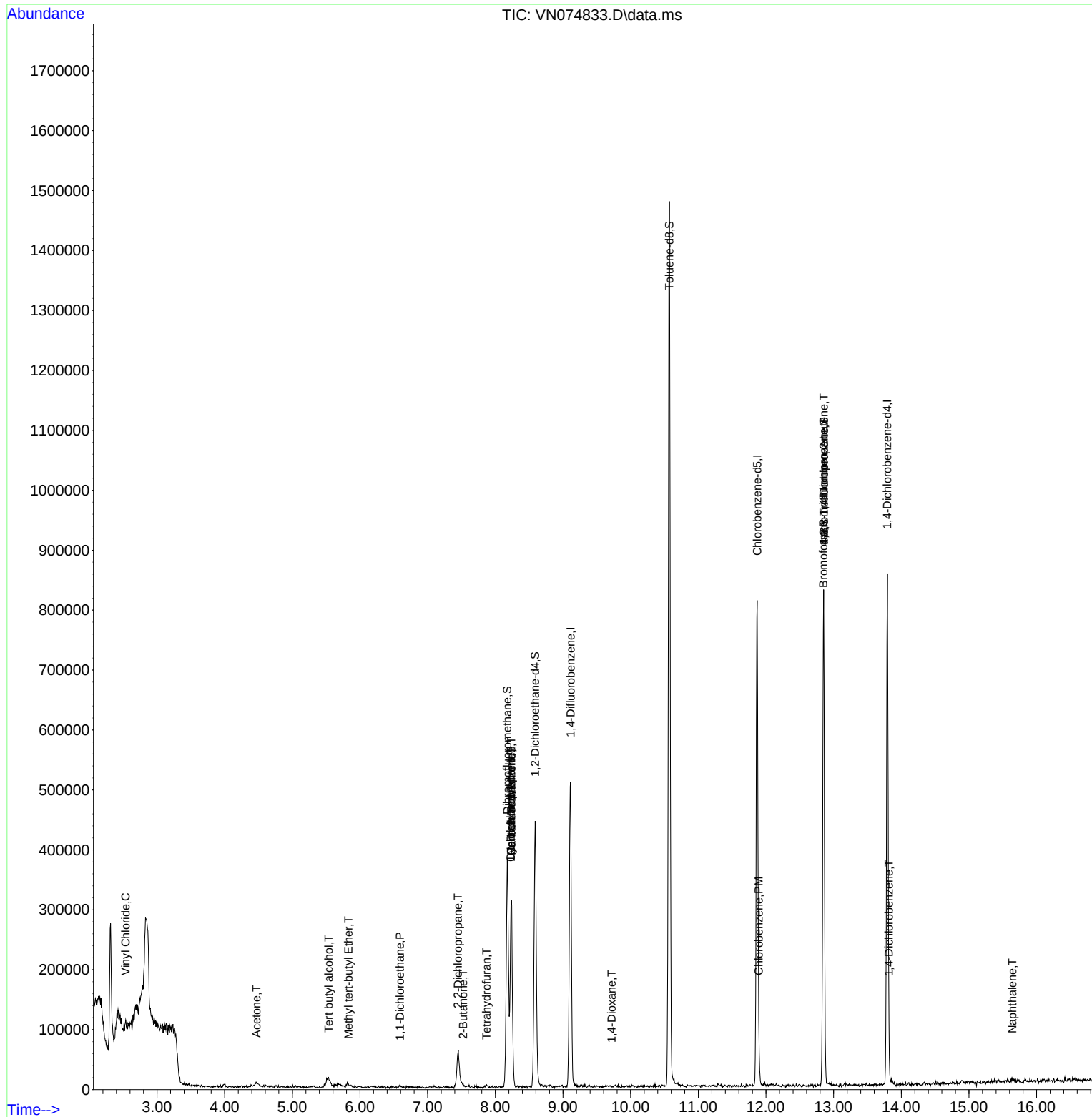
Internal Standards						
1) Pentafluorobenzene	8.235	168	222214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	440187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	449807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	210949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	324210	61.576	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	123.160%
35) Dibromofluoromethane	8.177	113	256954	57.775	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	115.560%
50) Toluene-d8	10.571	98	1006534	52.744	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.480%
62) 4-Bromofluorobenzene	12.853	95	249318	42.978	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.960%
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.536	62	6132	0.731	ug/l #	83
11) Tert butyl alcohol	5.536	59	18838	10.683	ug/l #	74
13) Acrolein	4.195	56	101	Below Cal	#	1
16) Acetone	4.471	43	11498	3.853	ug/l #	65
19) Methyl tert-butyl Ether	5.830	73	3632	0.216	ug/l #	52
20) Methylene Chloride	5.300	84	983	Below Cal	#	34
24) 1,1-Dichloroethane	6.588	63	2120	0.218	ug/l #	83
25) 2-Butanone	7.524	43	2113	0.390	ug/l #	82
26) 2,2-Dichloropropane	7.447	77	4053	0.506	ug/l #	52
29) Tetrahydrofuran	7.871	42	4207	1.115	ug/l #	71
31) Cyclohexane	8.230	56	7157	0.786	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	21305	2.960	ug/l #	50
38) Carbon Tetrachloride	8.235	117	24571	3.619	ug/l #	15
49) 1,4-Dioxane	9.718	88	528	3.325	ug/l #	75
65) Chlorobenzene	11.894	112	8224	0.597	ug/l #	86
71) Bromoform	12.847	173	3909	1.018	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	102	Below Cal	#	93
76) 1,2,3-Trichloropropane	12.853	75	146622	23.287	ug/l #	1
77) Bromobenzene	12.835	156	144	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	146622	45.372	ug/l #	14
88) 1,4-Dichlorobenzene	13.817	146	1820	0.239	ug/l #	1
95) Naphthalene	15.641	128	3904	0.266	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.841	180	363	Below Cal	#	34

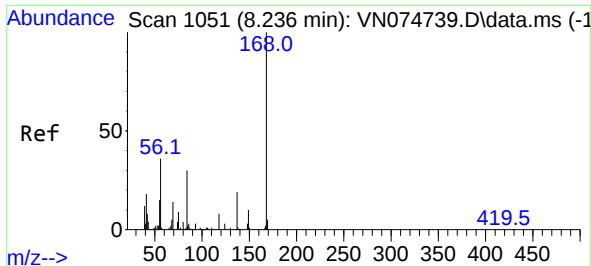
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 05:37:50 2022
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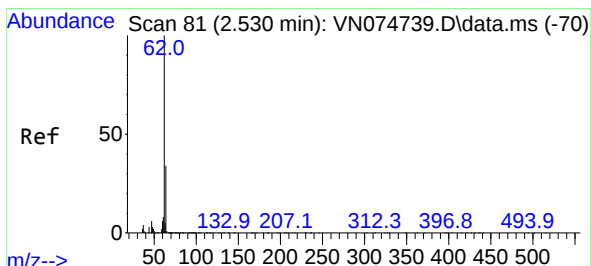
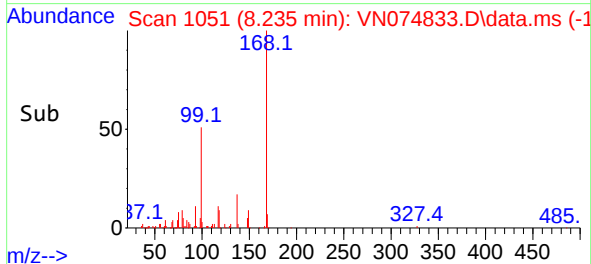
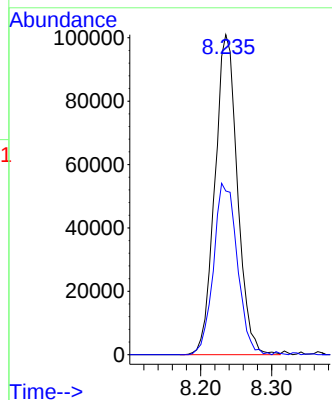
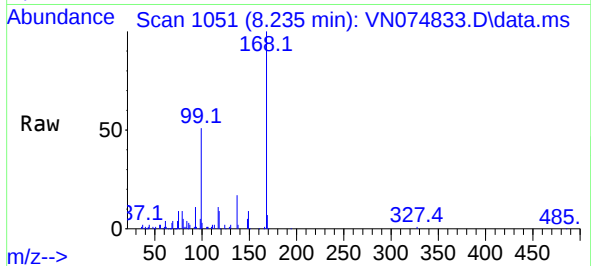




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.001 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

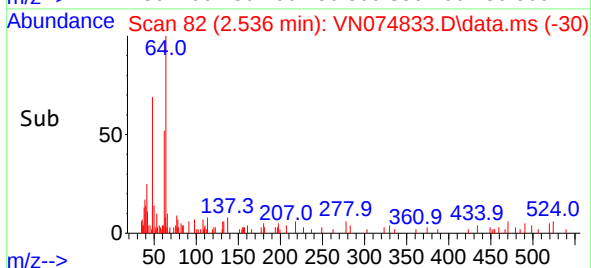
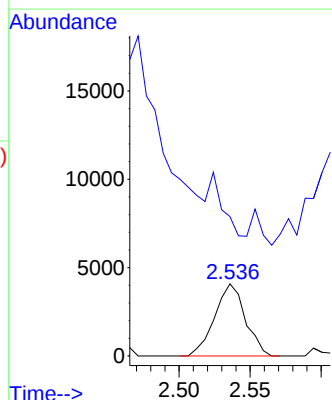
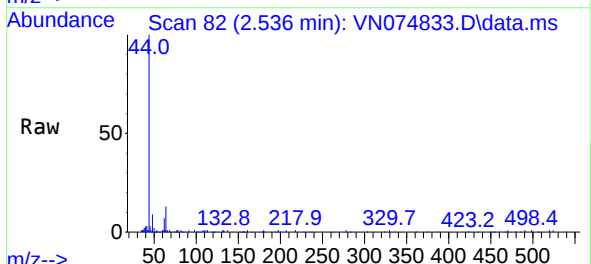
Instrument :
MSVOA_N
ClientSampleId :

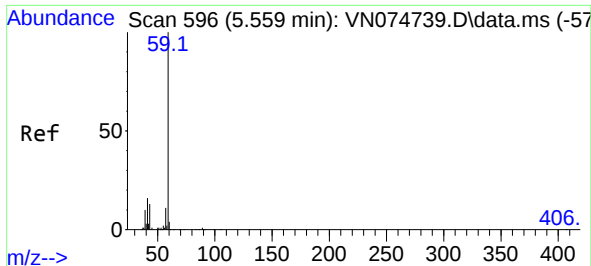
Tgt Ion:168 Resp: 222214
Ion Ratio Lower Upper
168 100
99 51.2 42.8 64.2



#4
Vinyl Chloride
Concen: 0.731 ug/l
RT: 2.536 min Scan# 82
Delta R.T. 0.006 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

Tgt Ion: 62 Resp: 6132
Ion Ratio Lower Upper
62 100
64 24.4 27.4 41.2#

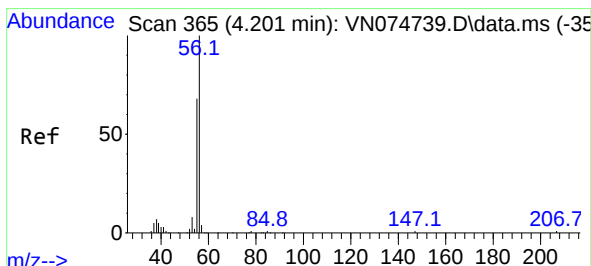
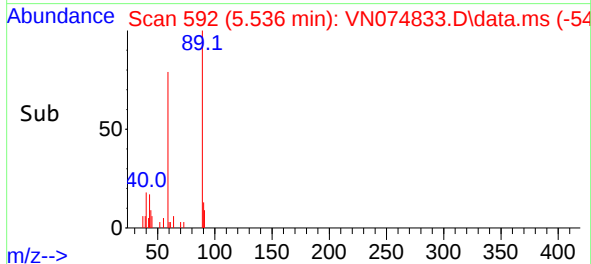
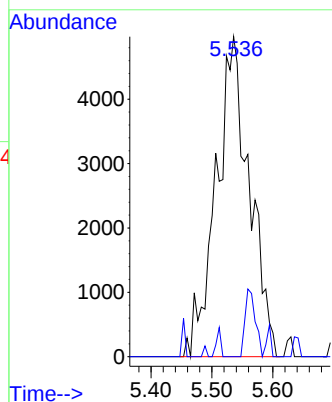
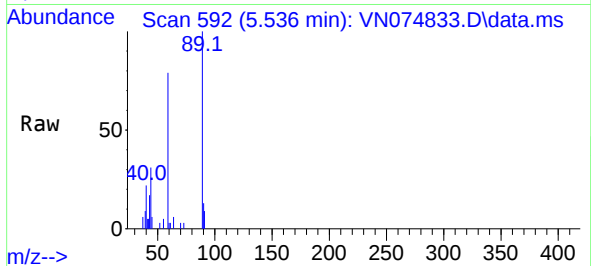




#11
Tert butyl alcohol
Concen: 10.683 ug/l
RT: 5.536 min Scan# 59
Delta R.T. -0.024 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

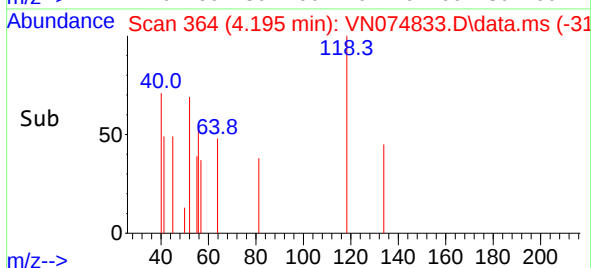
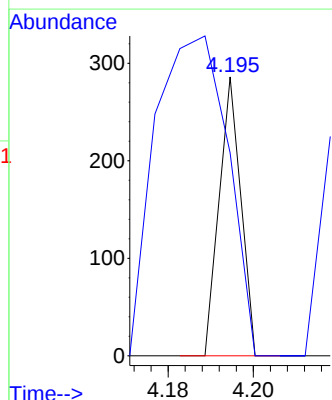
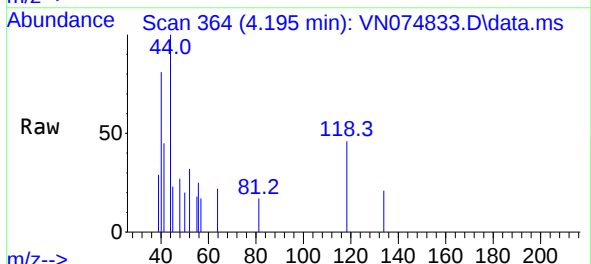
Instrument :
MSVOA_N
ClientSampleId :

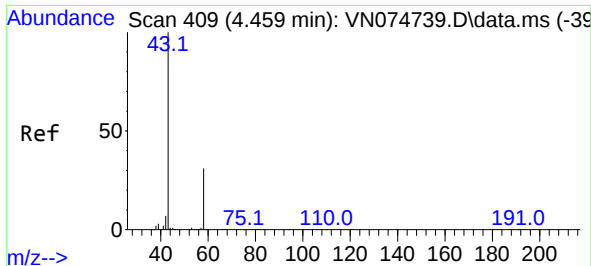
Tgt Ion: 59 Resp: 18838
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 364
Delta R.T. -0.006 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 384.2 54.9 82.3#

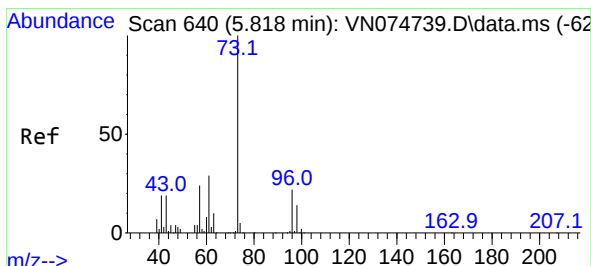
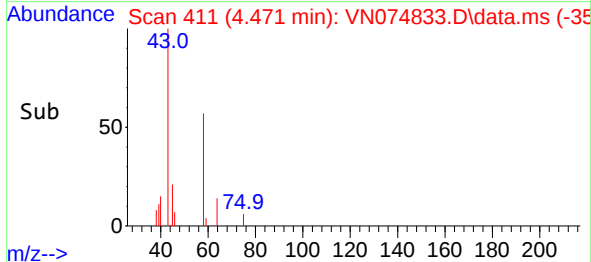
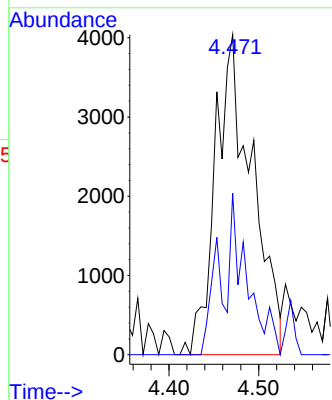
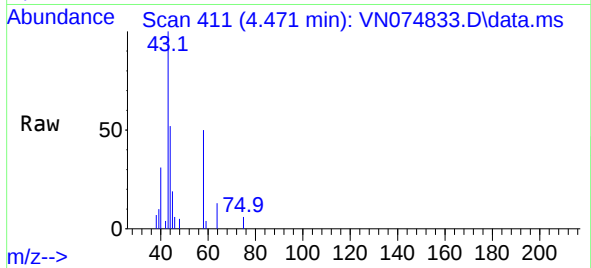




#16
Acetone
Concen: 3.853 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

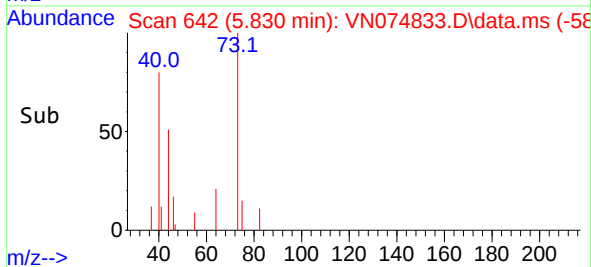
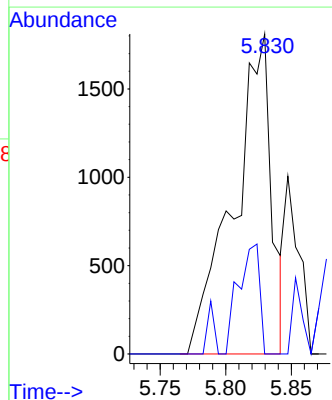
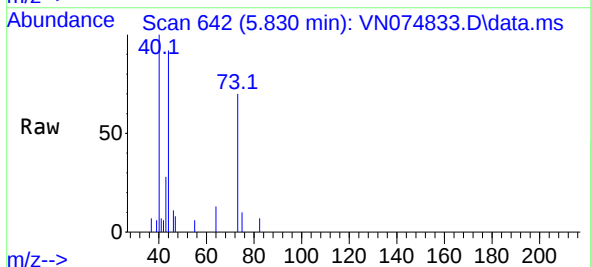
Instrument :
MSVOA_N
ClientSampleId :

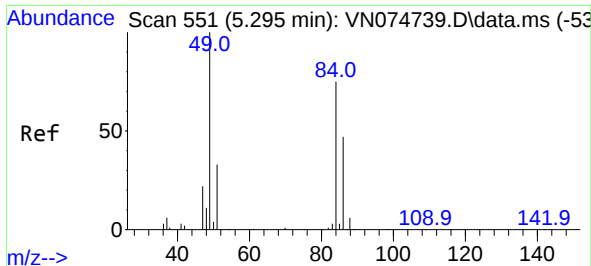
Tgt Ion: 43 Resp: 11498
Ion Ratio Lower Upper
43 100
58 50.5 24.9 37.3#



#19
Methyl tert-butyl Ether
Concen: 0.216 ug/l
RT: 5.830 min Scan# 642
Delta R.T. 0.012 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

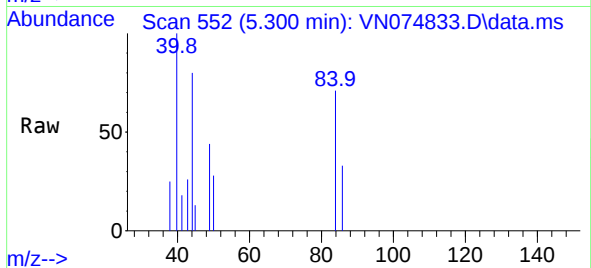
Tgt Ion: 73 Resp: 3632
Ion Ratio Lower Upper
73 100
57 0.0 19.0 28.4#



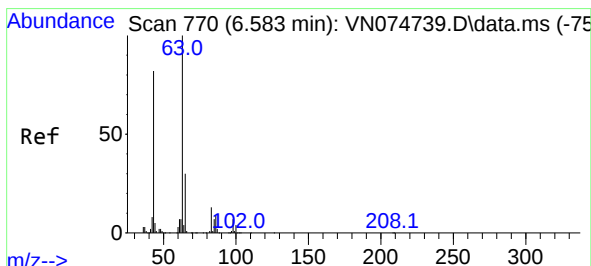
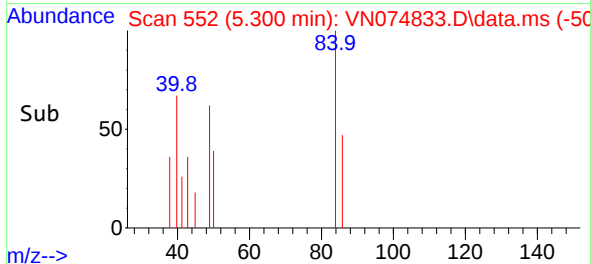
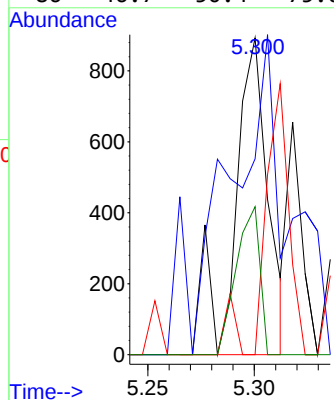


#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

Instrument :
MSVOA_N
ClientSampleId :

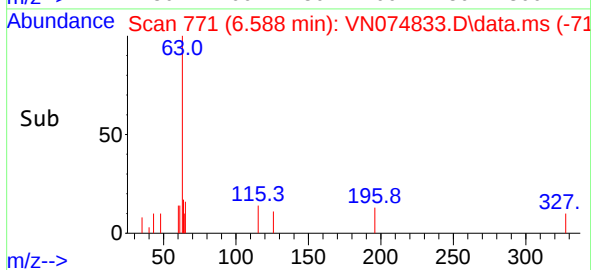
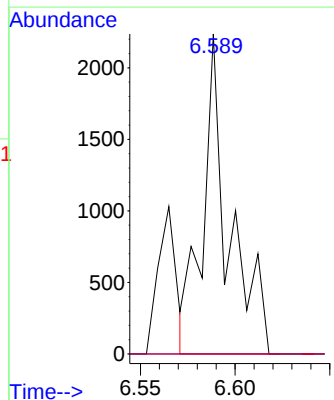
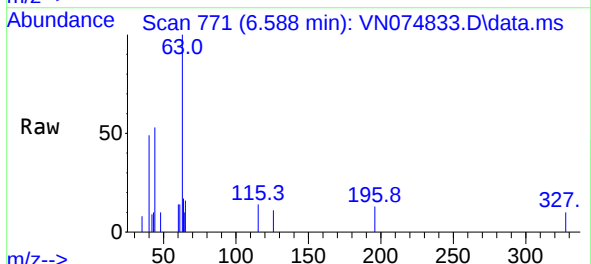


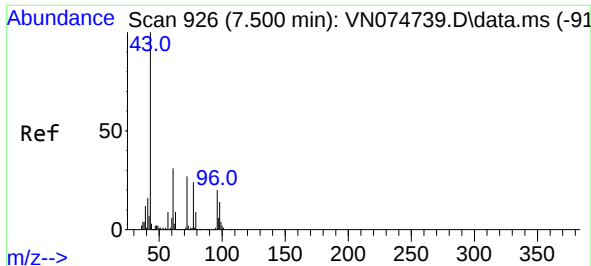
Tgt Ion: 84 Resp: 983
Ion Ratio Lower Upper
84 100
49 31.4 107.4 161.0#
51 0.0 35.1 52.7#
86 46.7 50.4 75.6#



#24
1,1-Dichloroethane
Concen: 0.218 ug/l
RT: 6.588 min Scan# 771
Delta R.T. 0.006 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

Tgt Ion: 63 Resp: 2120
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 1.8 5.5#

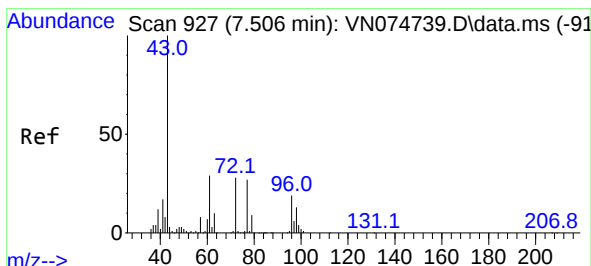
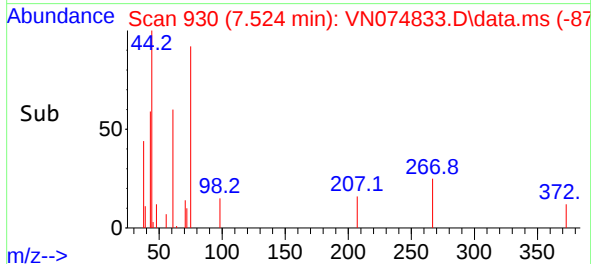
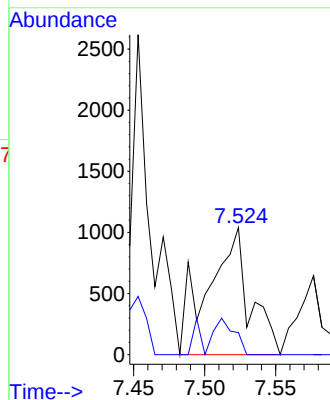
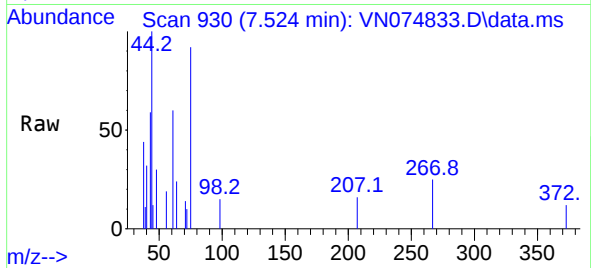




#25
2-Butanone
Concen: 0.390 ug/l
RT: 7.524 min Scan# 917
Delta R.T. 0.023 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

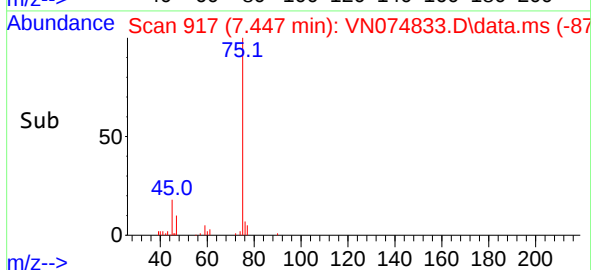
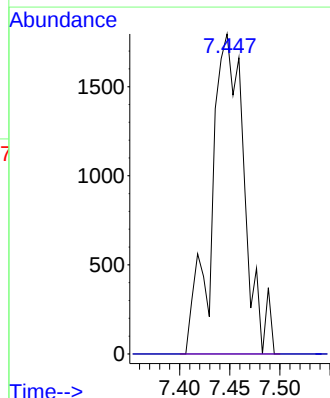
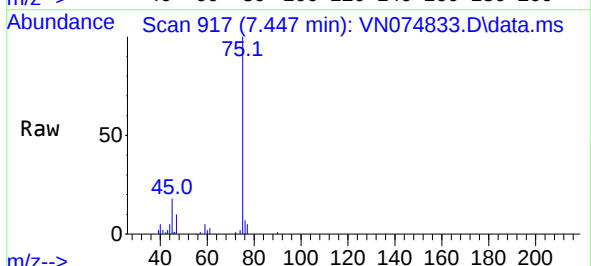
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MSVOA_N
ClientSampleId :

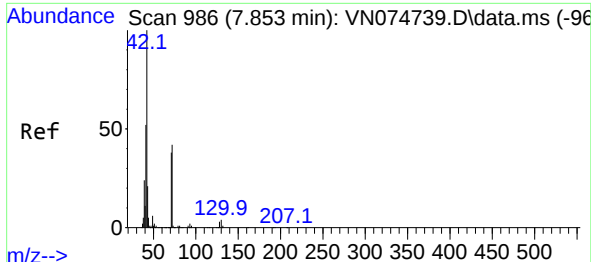
Tgt Ion: 43 Resp: 2113
Ion Ratio Lower Upper
43 100
72 17.3 21.4 32.0#



#26
2,2-Dichloropropane
Concen: 0.506 ug/l
RT: 7.447 min Scan# 917
Delta R.T. -0.059 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

Tgt Ion: 77 Resp: 4053
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.3#





#29

Tetrahydrofuran

Concen: 1.115 ug/l

RT: 7.871 min Scan# 91

Delta R.T. 0.017 min

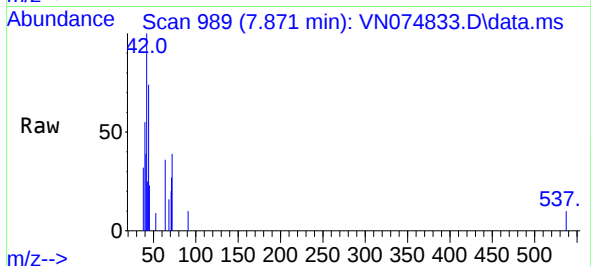
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Acq: 10 Oct 2022 15:48

Instrument :

MSVOA_N

ClientSampleId :



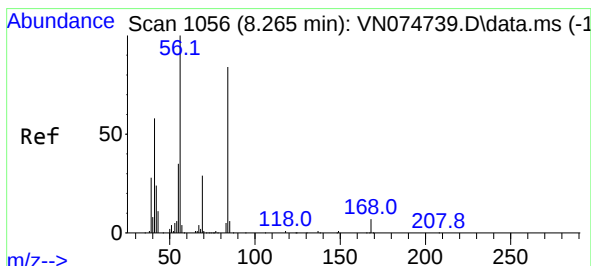
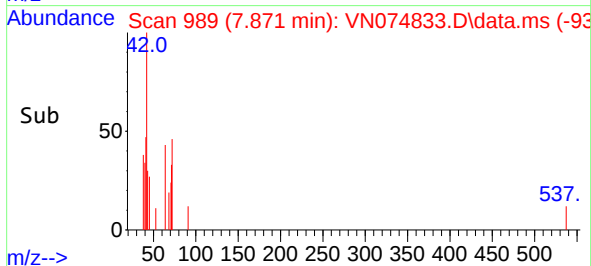
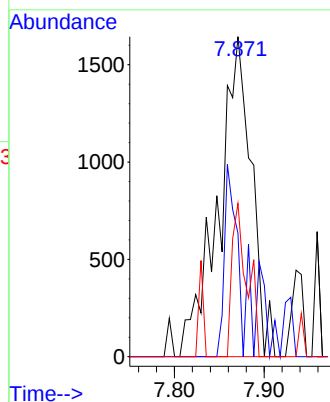
Tgt Ion: 42 Resp: 4207

Ion Ratio Lower Upper

42 100

72 21.7 33.0 49.6#

71 22.0 30.4 45.6#



#31

Cyclohexane

Concen: 0.786 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN074833.D

Acq: 10 Oct 2022 15:48

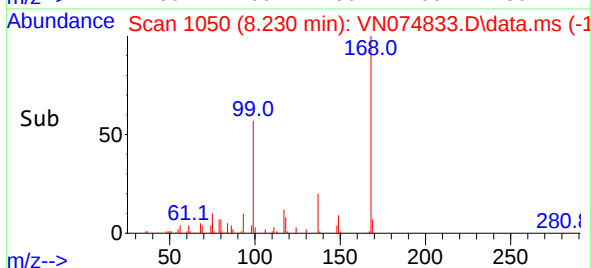
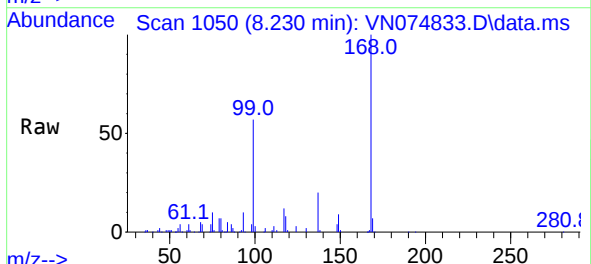
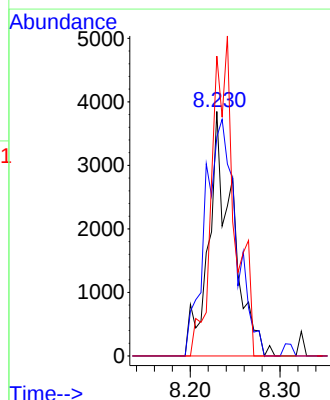
Tgt Ion: 56 Resp: 7157

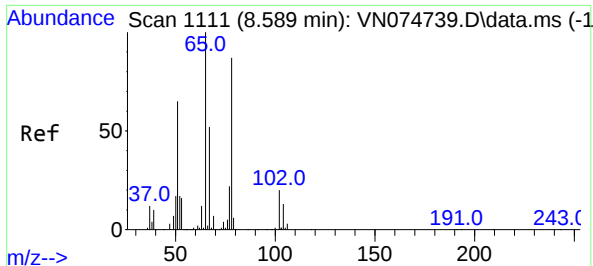
Ion Ratio Lower Upper

56 100

69 89.6 23.1 34.7#

84 122.6 67.1 100.7#





#33

1,2-Dichloroethane-d4

Concen: 61.576 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VN074833.D

Acq: 10 Oct 2022 15:48

Instrument :

MSVOA_N

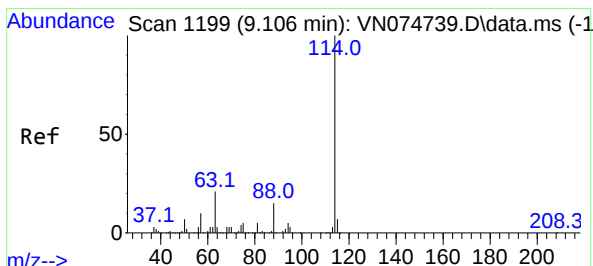
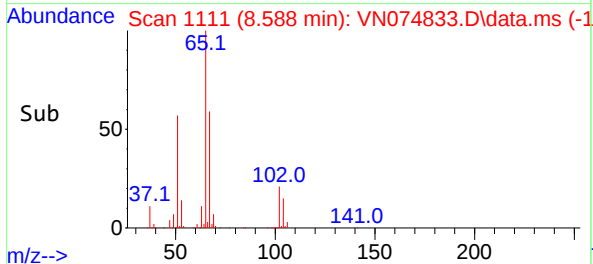
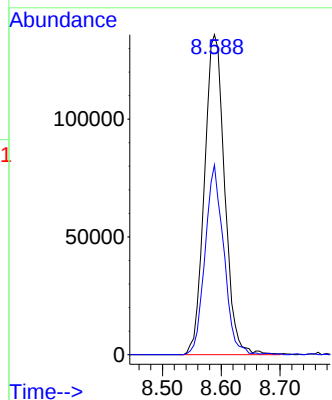
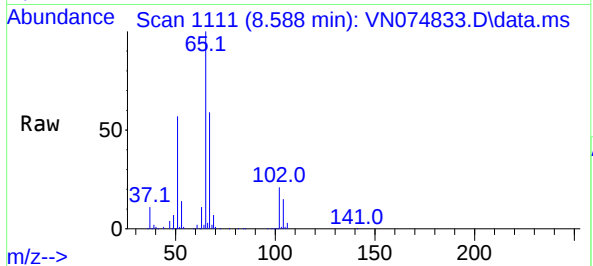
ClientSampleId :

Tgt Ion: 65 Resp: 324210

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1200

Delta R.T. 0.006 min

Lab File: VN074833.D

Acq: 10 Oct 2022 15:48

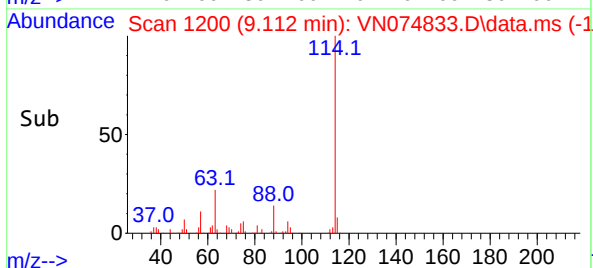
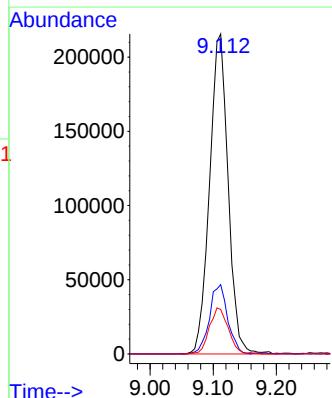
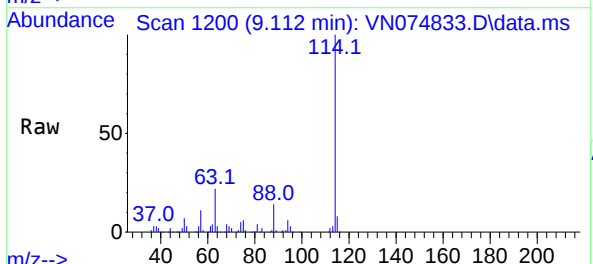
Tgt Ion: 114 Resp: 440187

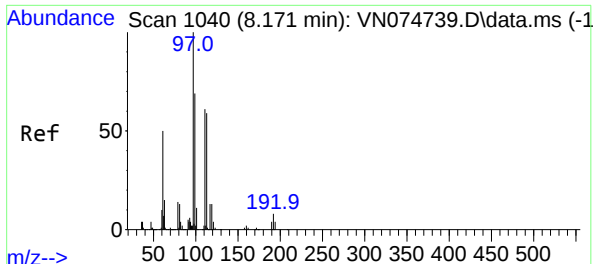
Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.2

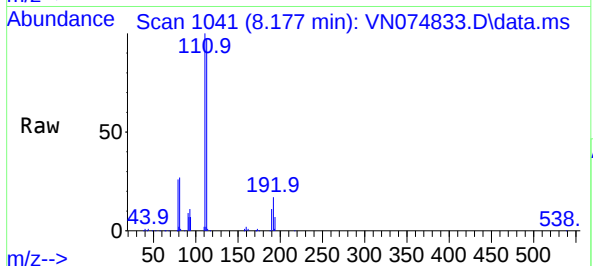
88 13.9 0.0 30.2



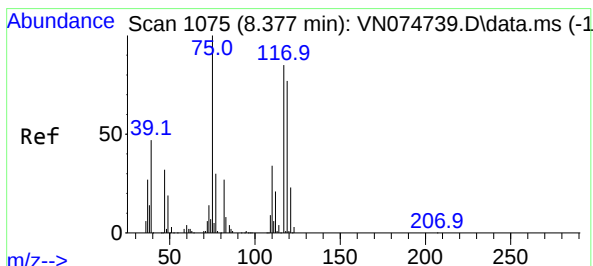
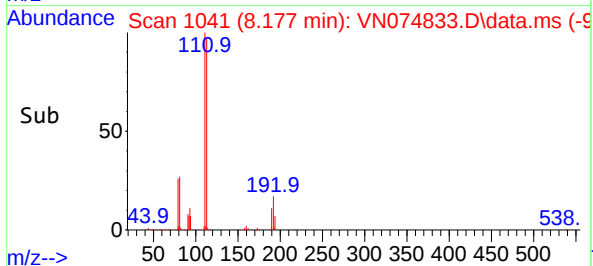
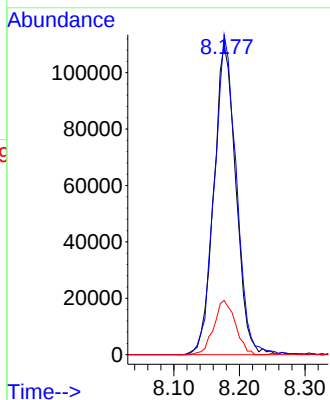


#35
Dibromofluoromethane
Concen: 57.775 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

Instrument :
MSVOA_N
ClientSampleId :

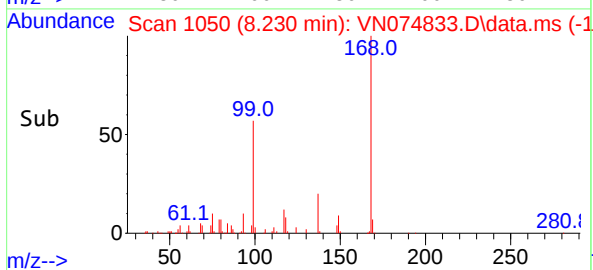
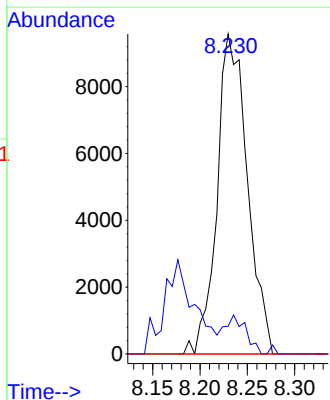
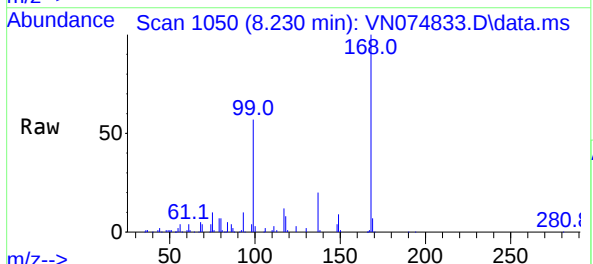


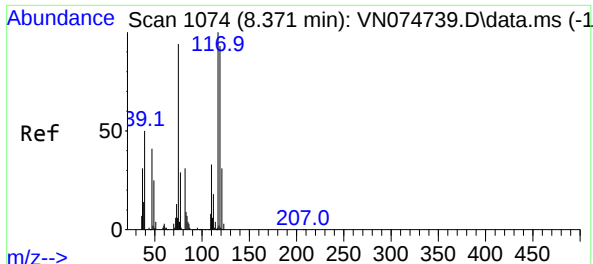
Tgt Ion:113 Resp: 256954
Ion Ratio Lower Upper
113 100
111 102.9 83.0 124.6
192 17.1 12.6 18.8



#36
1,1-Dichloropropene
Concen: 2.960 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

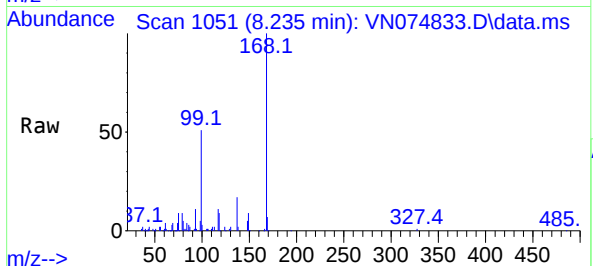
Tgt Ion: 75 Resp: 21305
Ion Ratio Lower Upper
75 100
110 8.6 17.2 51.5#
77 0.0 24.3 36.5#



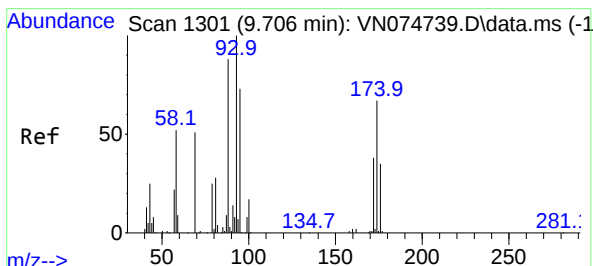
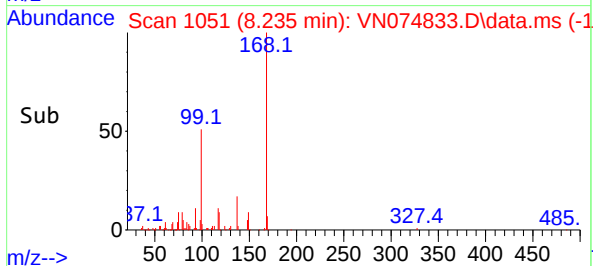
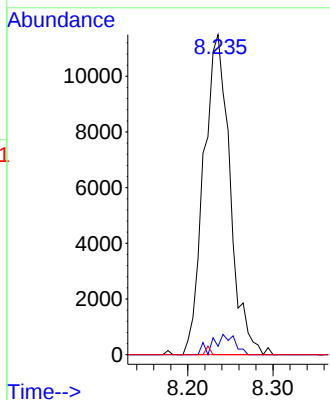


#38
Carbon Tetrachloride
Concen: 3.619 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.135 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

Instrument :
MSVOA_N
ClientSampleId :

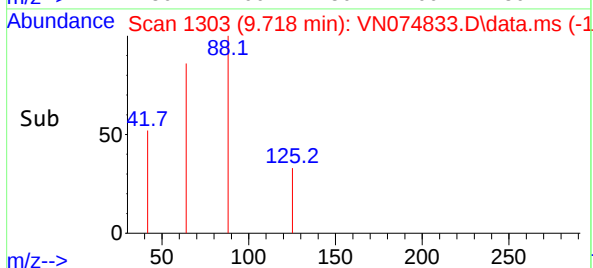
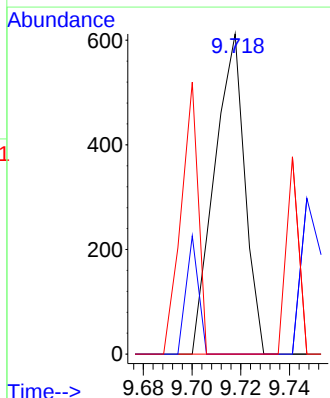
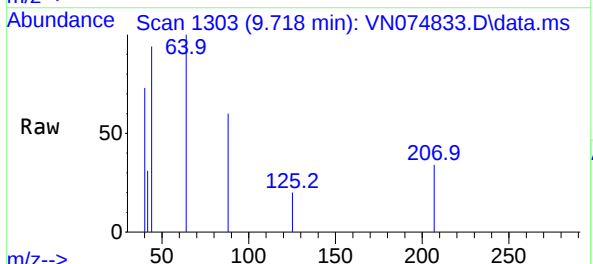


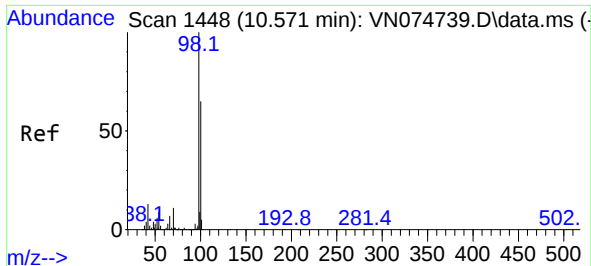
Tgt Ion:117 Resp: 24571
Ion Ratio Lower Upper
117 100
119 2.6 74.3 111.5#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 3.325 ug/l
RT: 9.718 min Scan# 1303
Delta R.T. 0.012 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

Tgt Ion: 88 Resp: 528
Ion Ratio Lower Upper
88 100
43 15.2 23.4 35.2#
58 48.3 54.9 82.3#

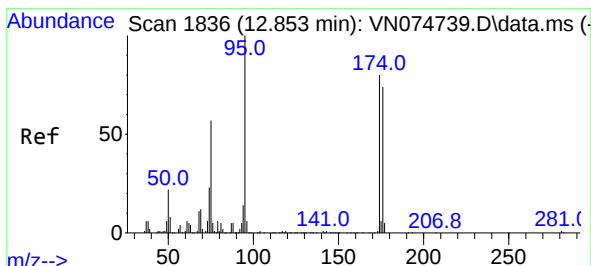
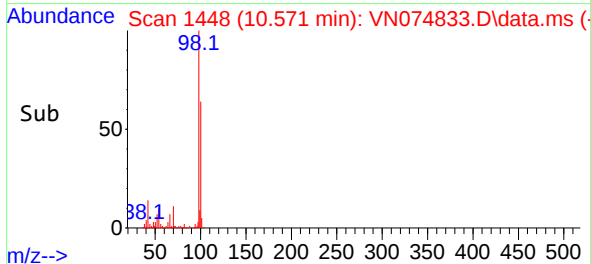
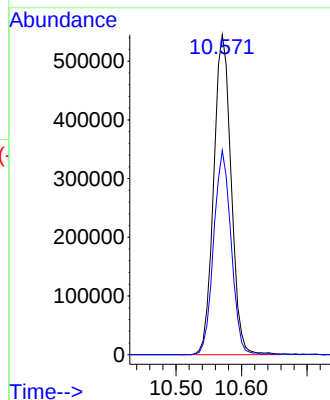
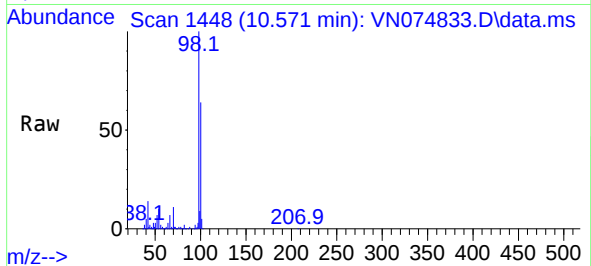




#50
Toluene-d8
Concen: 52.744 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

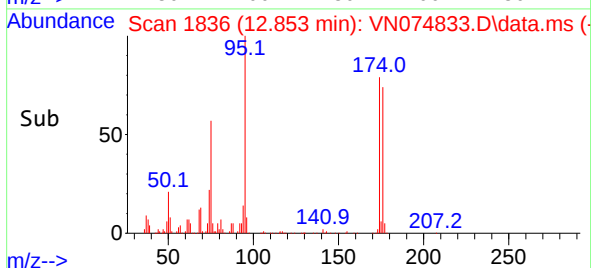
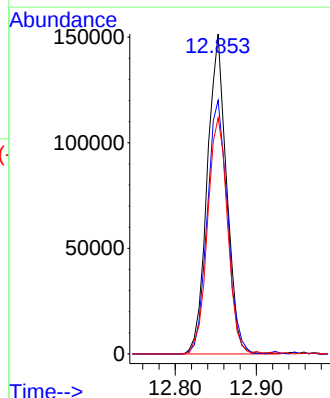
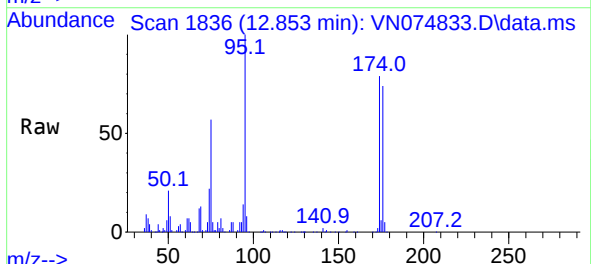
Instrument :
MSVOA_N
ClientSampleId :

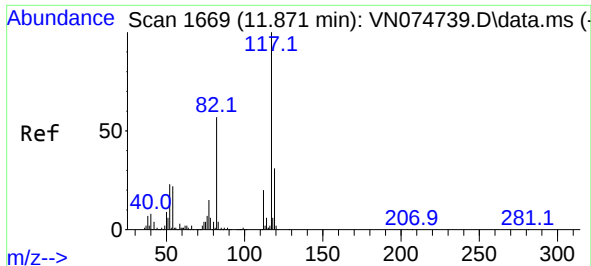
Tgt Ion: 98 Resp: 1006534
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 42.978 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

Tgt Ion: 95 Resp: 249318
Ion Ratio Lower Upper
95 100
174 83.4 0.0 149.4
176 76.7 0.0 142.0

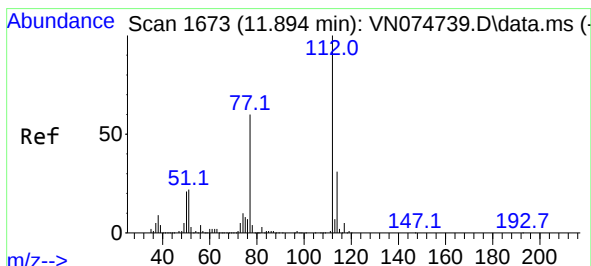
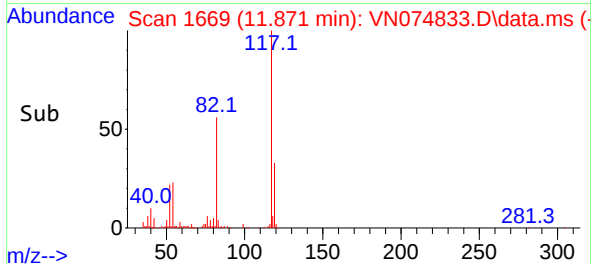
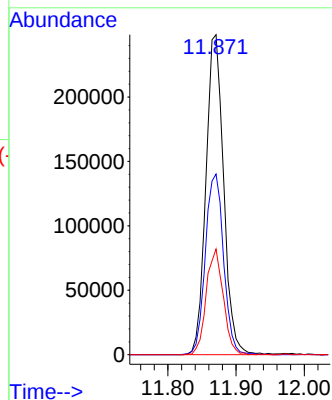
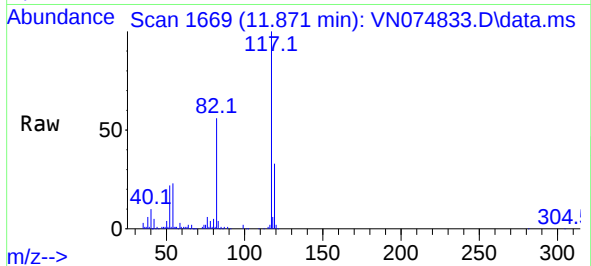




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

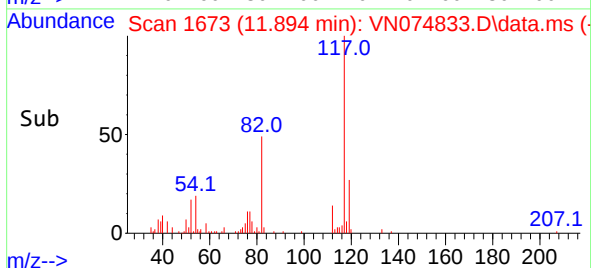
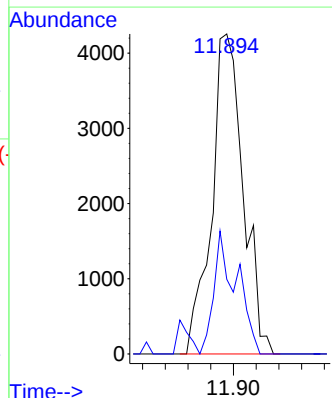
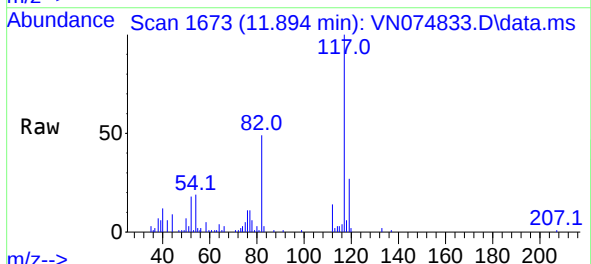
Instrument :
MSVOA_N
ClientSampleId :

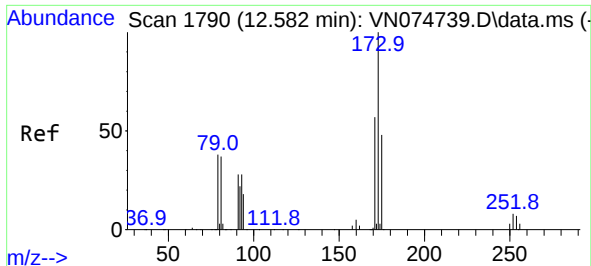
Tgt Ion:117 Resp: 449807
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.2
119 33.0 25.1 37.7



#65
Chlorobenzene
Concen: 0.597 ug/l
RT: 11.894 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

Tgt Ion:112 Resp: 8224
Ion Ratio Lower Upper
112 100
114 23.4 25.0 37.4#

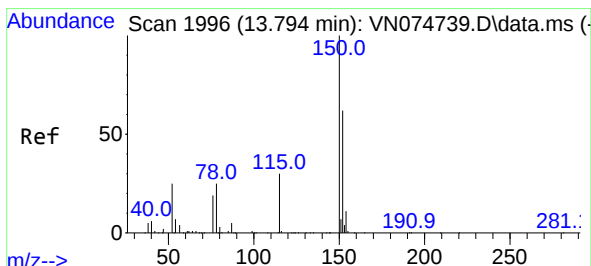
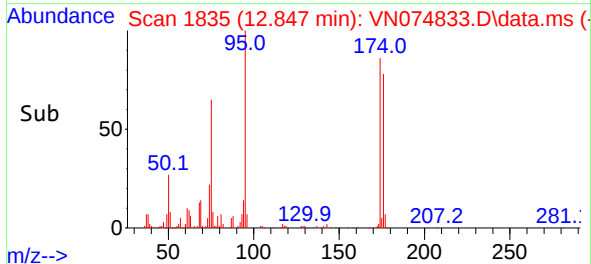
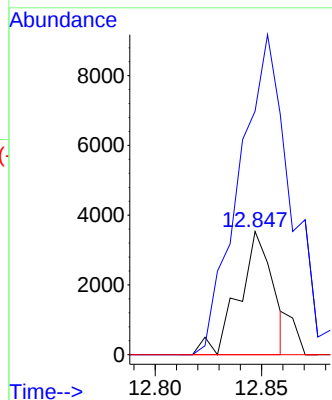
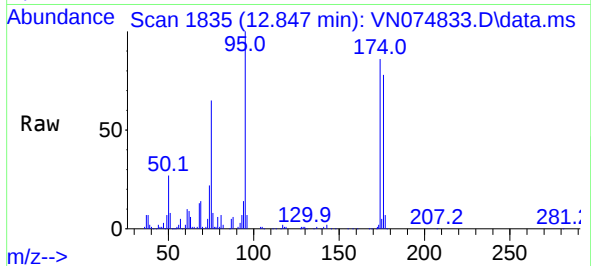




#71
Bromoform
Concen: 1.018 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

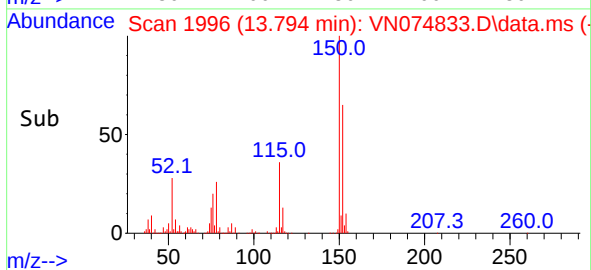
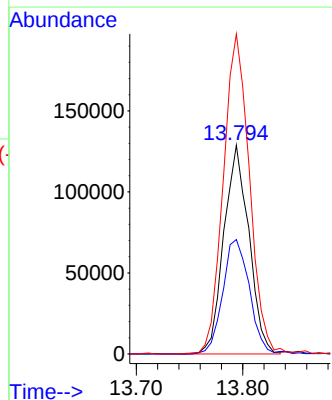
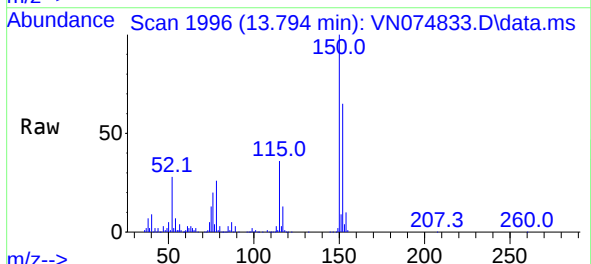
Instrument :
MSVOA_N
ClientSampleId :

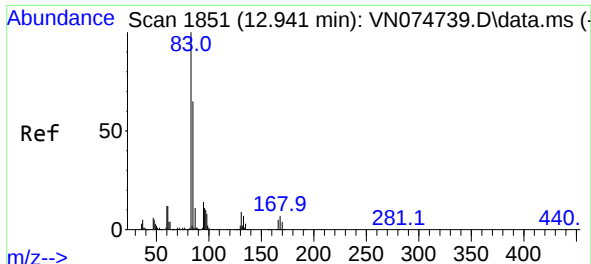
Tgt Ion:173 Resp: 3909
Ion Ratio Lower Upper
173 100
175 316.6 23.9 71.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

Tgt Ion:152 Resp: 210949
Ion Ratio Lower Upper
152 100
115 58.6 30.0 90.0
150 159.5 0.0 356.4

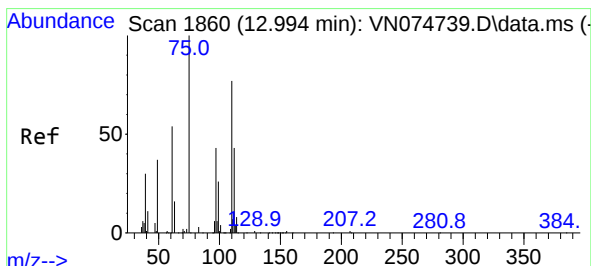
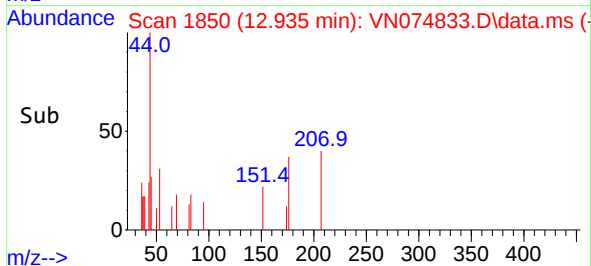
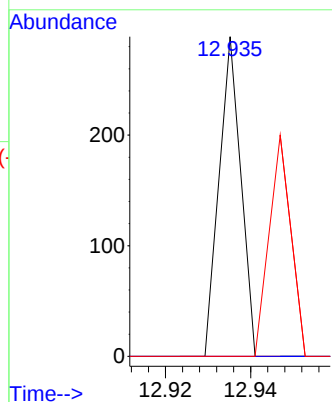
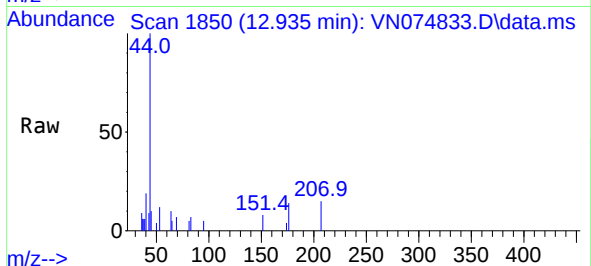




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

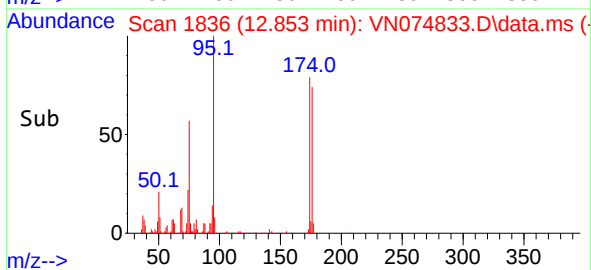
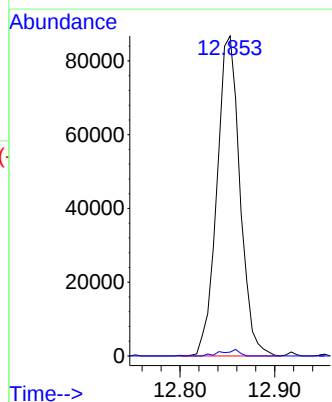
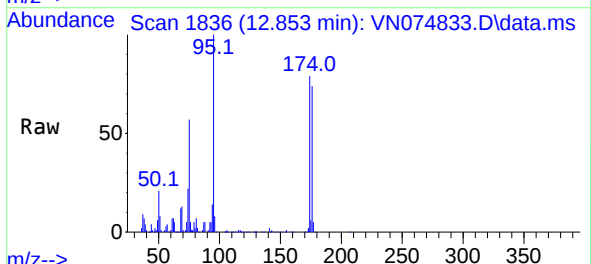
Instrument :
MSVOA_N
ClientSampleId :

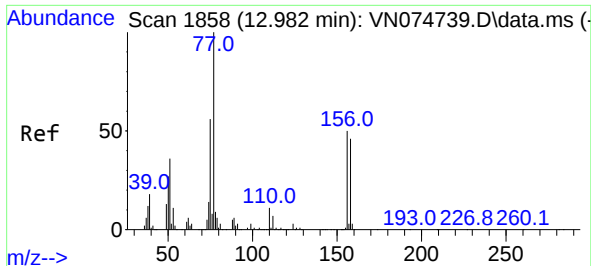
Tgt Ion: 83 Resp: 102
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 69.6 32.9 98.6



#76
1,2,3-Trichloropropane
Concen: 23.287 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

Tgt Ion: 75 Resp: 146622
Ion Ratio Lower Upper
75 100
77 1.5 76.9 230.7#

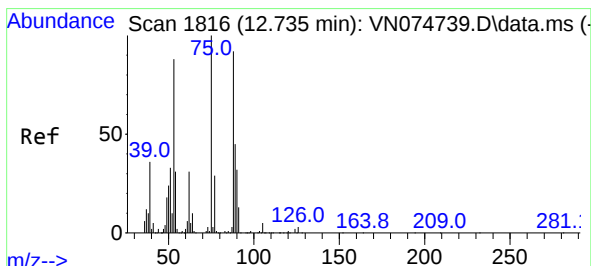
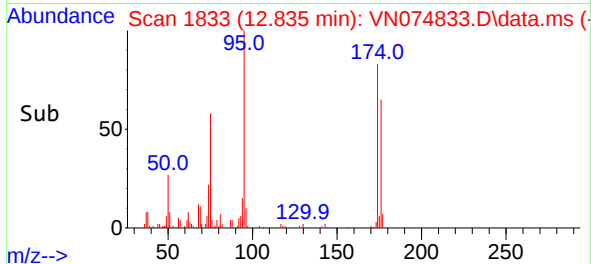
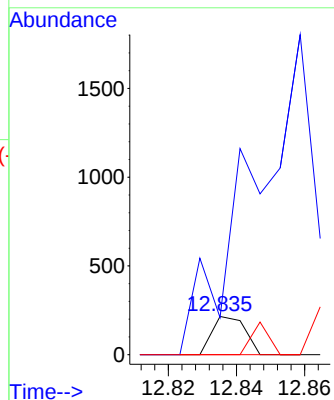
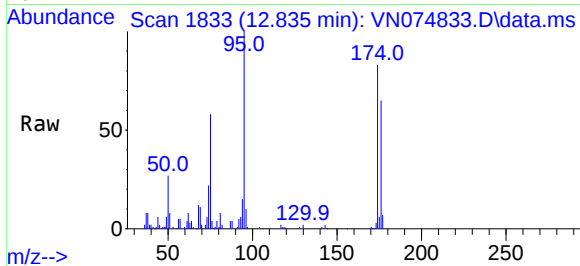




#77
Bromobenzene
Concen: Below Cal
RT: 12.835 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

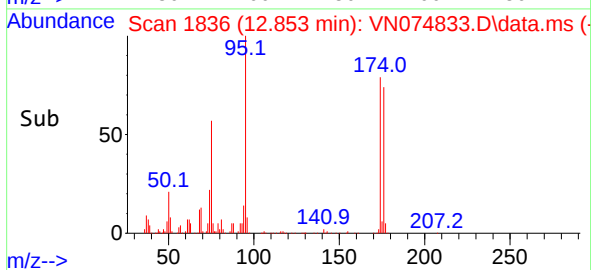
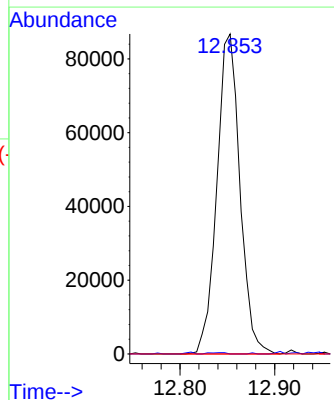
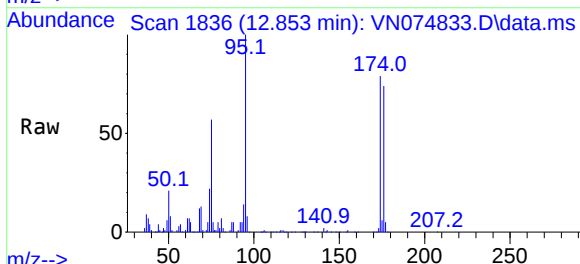
Instrument :
MSVOA_N
ClientSampleId :

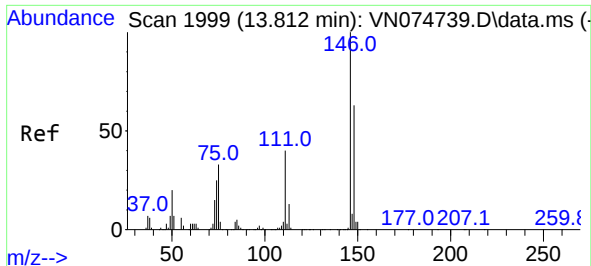
Tgt Ion:156 Resp: 144
Ion Ratio Lower Upper
156 100
77 0.0 124.7 374.1#
158 45.1 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.372 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

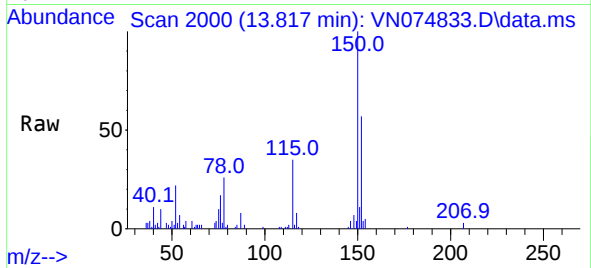
Tgt Ion: 75 Resp: 146622
Ion Ratio Lower Upper
75 100
53 0.3 71.4 107.0#
89 0.0 32.1 48.1#



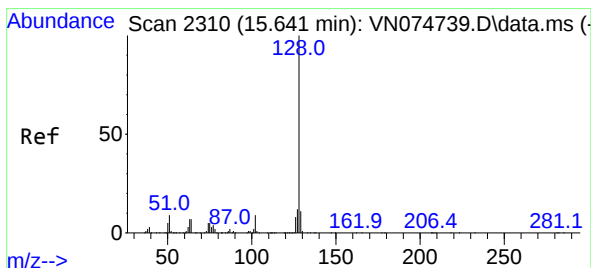
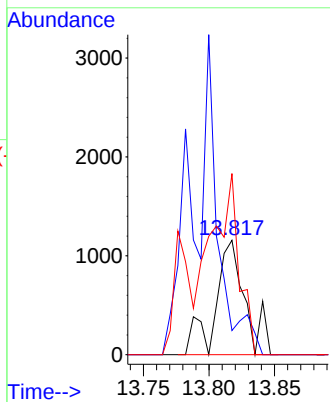
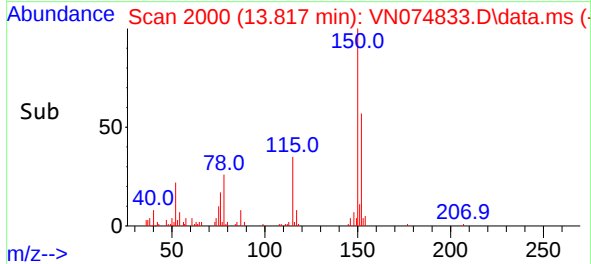


#88
1,4-Dichlorobenzene
Concen: 0.239 ug/l
RT: 13.817 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48

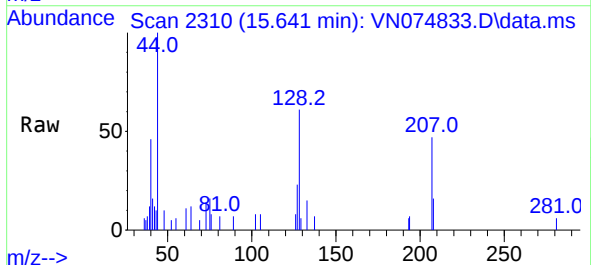
Instrument :
MSVOA_N
ClientSampleId :



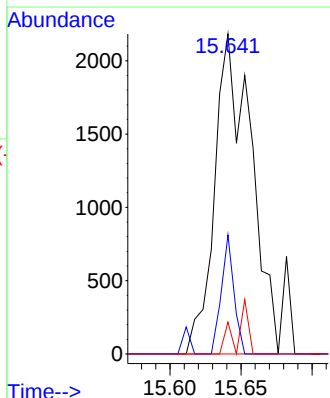
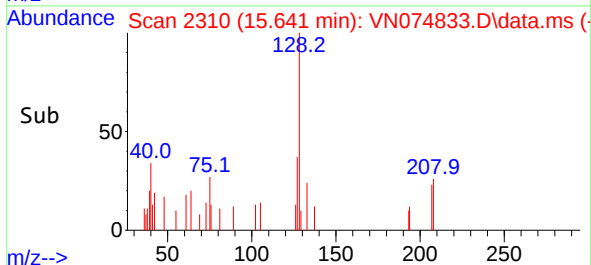
Tgt Ion:146 Resp: 1820
Ion Ratio Lower Upper
146 100
111 124.3 19.9 59.6#
148 150.5 31.8 95.4#

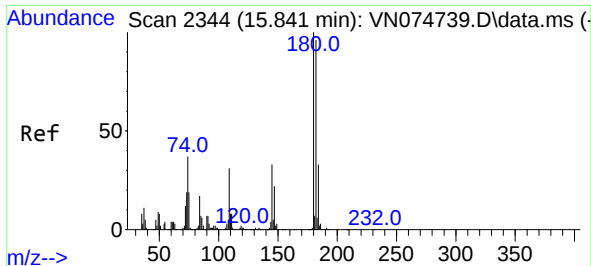


#95
Naphthalene
Concen: 0.266 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN074833.D
Acq: 10 Oct 2022 15:48



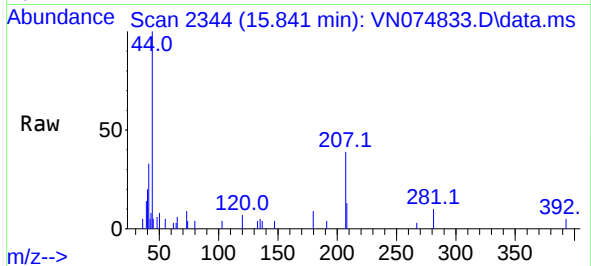
Tgt Ion:128 Resp: 3904
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 5.3 9.0 13.4#





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN074833.D
 Acq: 10 Oct 2022 15:48

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 363
 Ion Ratio Lower Upper
 180 100
 182 28.7 47.3 142.0#
 145 0.0 17.1 51.2#

