

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072600.D
 Acq On : 24 May 2022 20:55
 Operator : JC\MD
 Sample : N2968-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-24

Quant Time: May 25 09:22:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 25 09:15:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	162743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	296712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	337712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	132935	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	95101	51.372	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	102.740%
35) Dibromofluoromethane	8.016	113	87793	45.652	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.300%
50) Toluene-d8	10.439	98	375348	51.117	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.240%
62) 4-Bromofluorobenzene	12.727	95	144139	60.354	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	120.700%

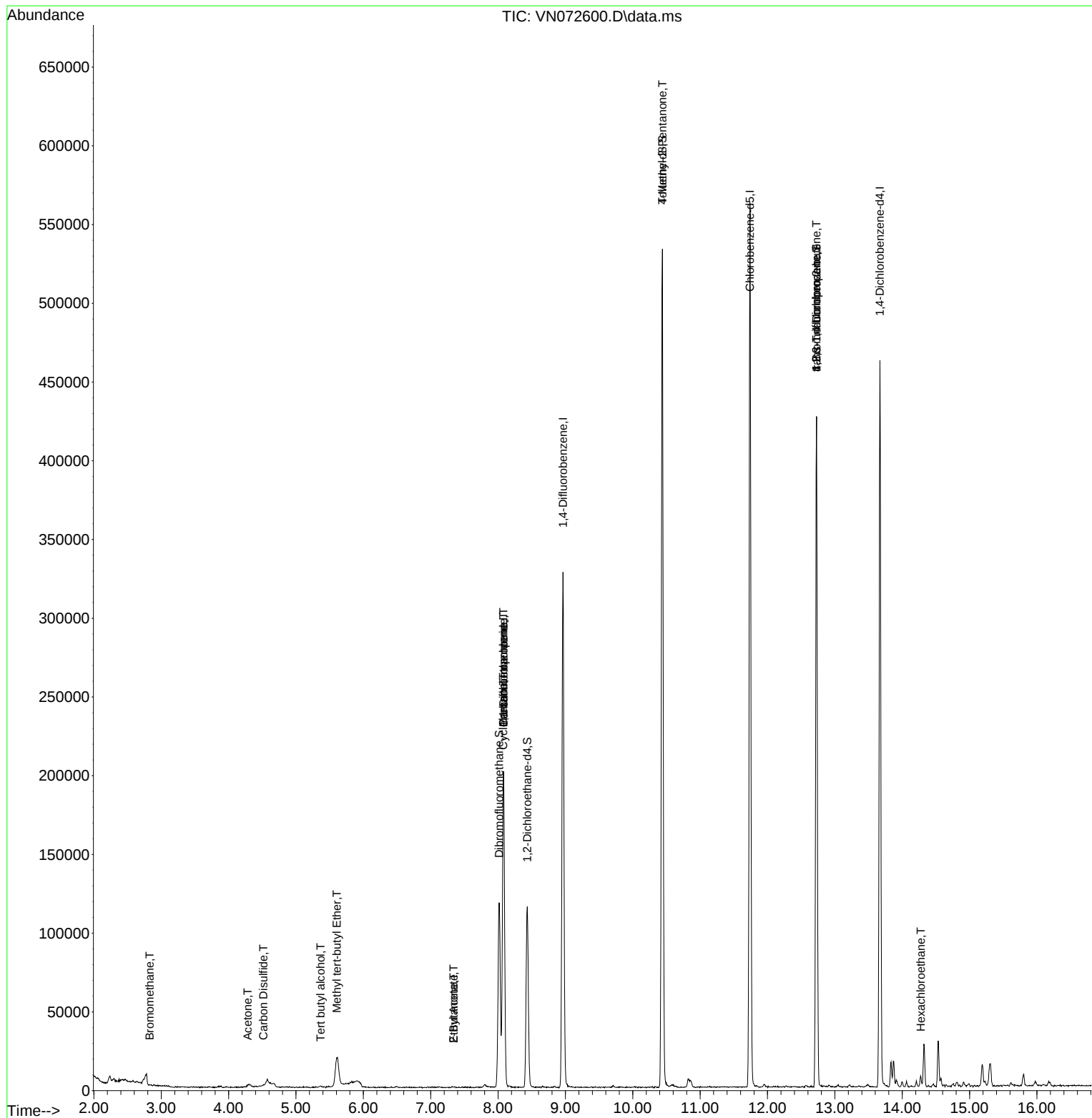
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.293	50	516	Below Cal	#	43
5) Bromomethane	2.828	94	59	1.498	ug/l #	2
6) Chloroethane	3.075	64	228	Below Cal	#	42
11) Tert butyl alcohol	5.363	59	1328	3.810	ug/l #	72
16) Acetone	4.281	43	2412	2.651	ug/l	94
17) Carbon Disulfide	4.516	76	728	0.200	ug/l #	75
18) Methyl Acetate	4.845	43	307	Below Cal	#	48
19) Methyl tert-butyl Ether	5.604	73	29972	5.908	ug/l	97
25) 2-Butanone	7.339	43	1089	0.709	ug/l #	45
31) Cyclohexane	8.075	56	3093	1.055	ug/l #	12
36) 1,1-Dichloropropene	8.080	75	11548	4.244	ug/l #	48
37) Ethyl Acetate	7.339	43	1089	0.306	ug/l #	67
38) Carbon Tetrachloride	8.080	117	15274	5.318	ug/l #	19
51) 4-Methyl-2-Pentanone	10.439	43	1402	0.406	ug/l #	1
76) 1,2,3-Trichloropropane	12.727	75	70560	19.550	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	70560	57.374	ug/l #	10
90) Hexachloroethane	14.274	117	3665	2.050	ug/l #	9

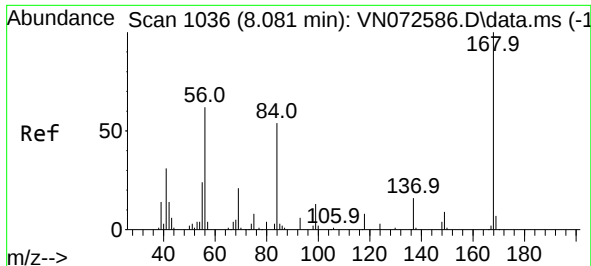
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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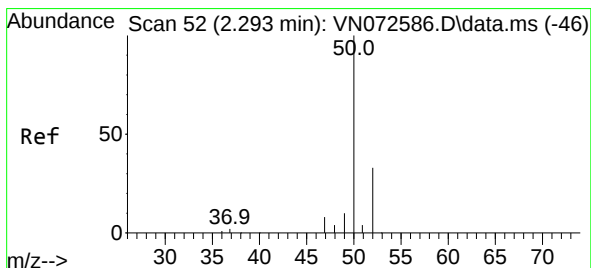
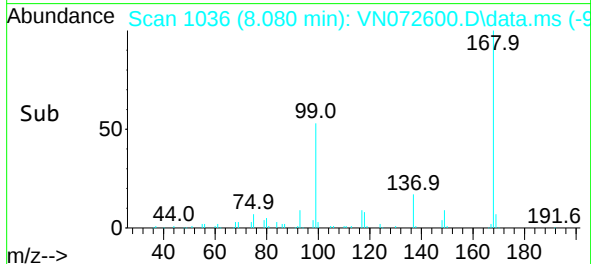
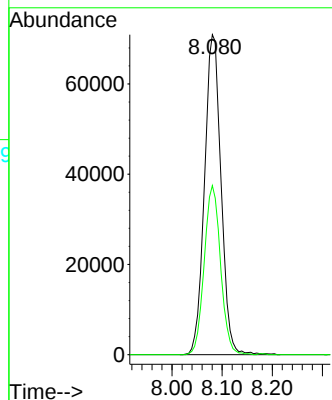
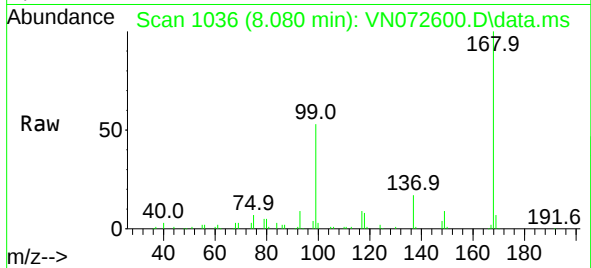




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

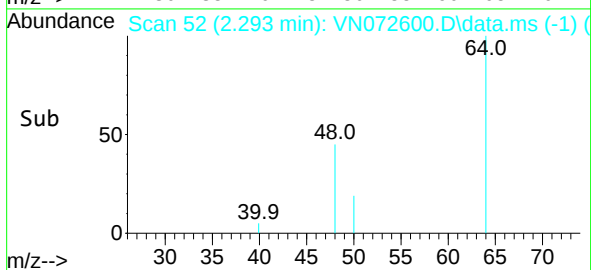
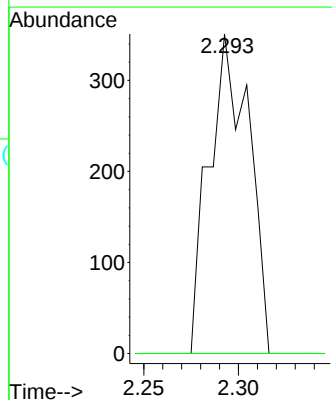
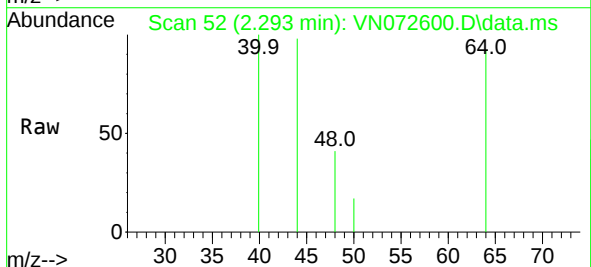
Instrument :
MSVOA_N
ClientSampleId :
MW-24

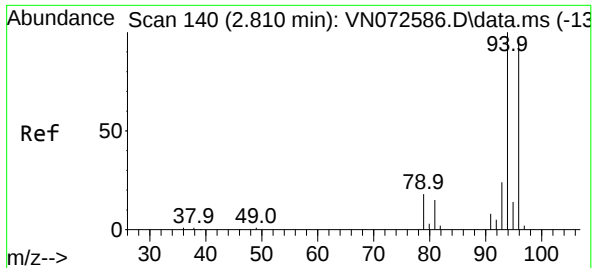
Tgt Ion:168 Resp: 162743
Ion Ratio Lower Upper
168 100
99 52.9 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

Tgt Ion: 50 Resp: 516
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

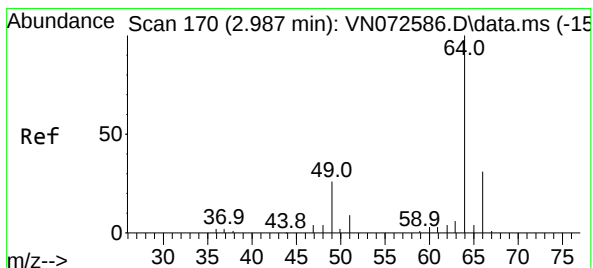
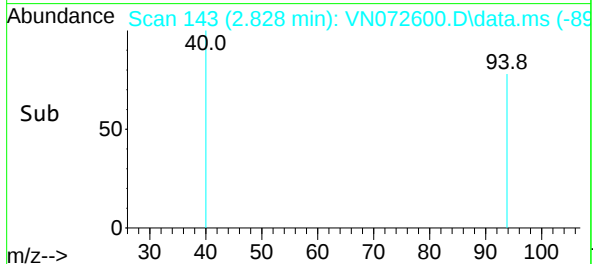
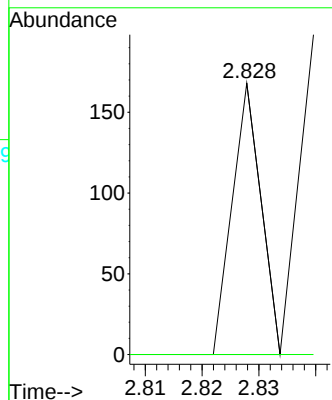
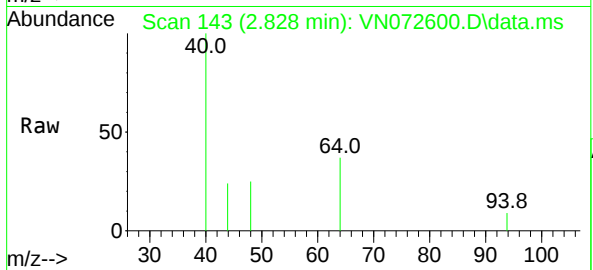




#5
Bromomethane
Concen: 1.498 ug/l
RT: 2.828 min Scan# 14
Delta R.T. 0.018 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

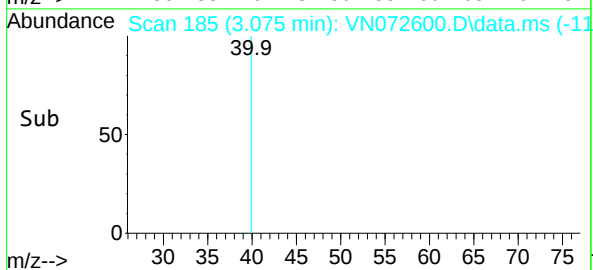
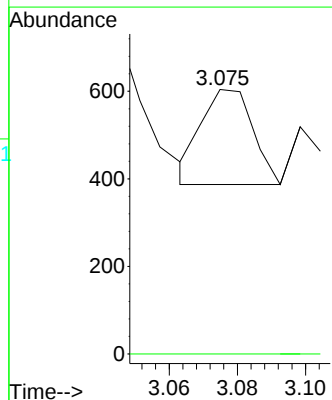
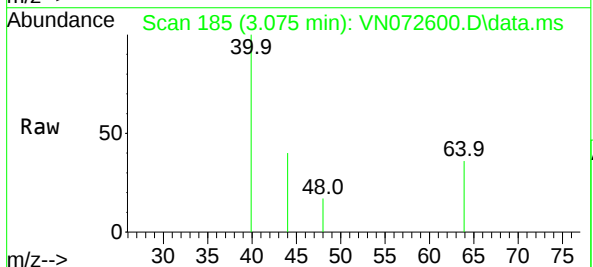
Instrument :
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ClientSampleId :
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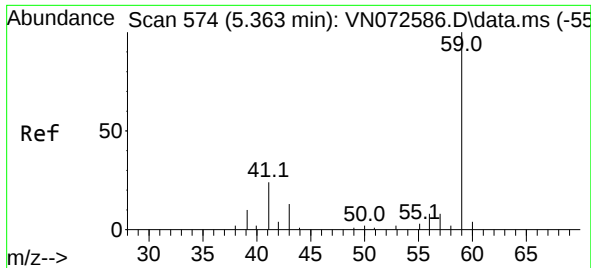
Tgt Ion: 94 Resp: 59
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 3.075 min Scan# 185
Delta R.T. 0.088 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

Tgt Ion: 64 Resp: 228
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

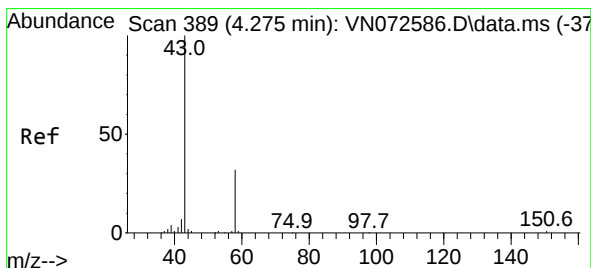
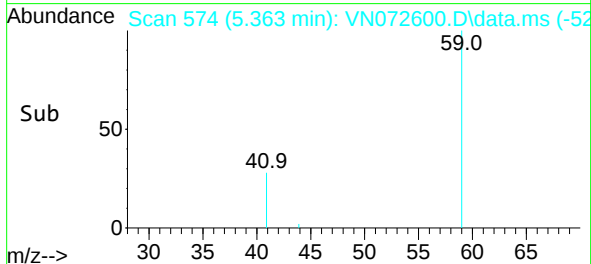
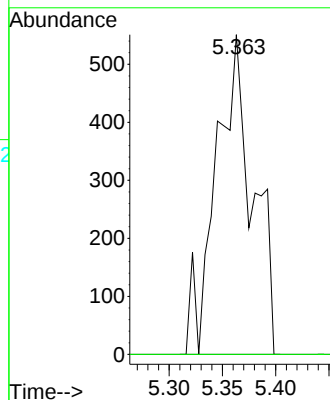
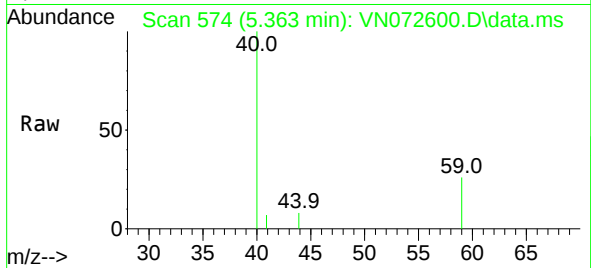




#11
Tert butyl alcohol
Concen: 3.810 ug/l
RT: 5.363 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

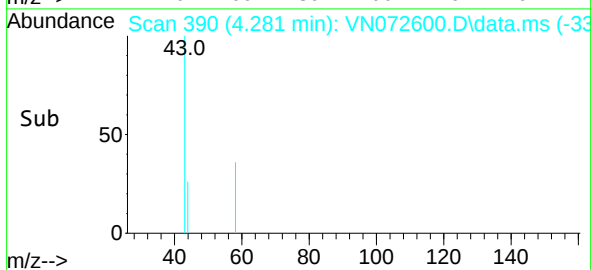
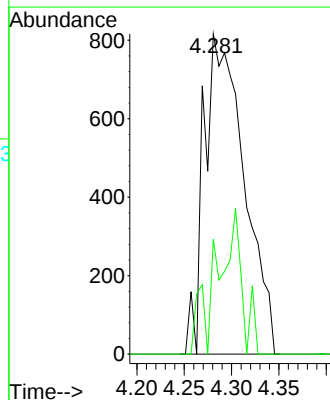
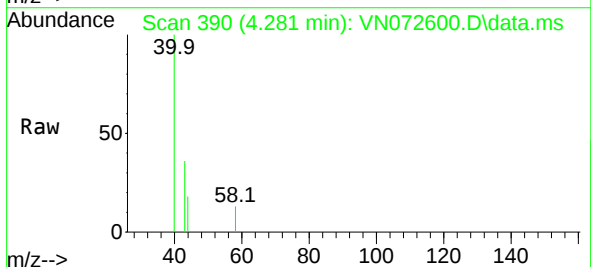
Instrument :
MSVOA_N
ClientSampleId :
MW-24

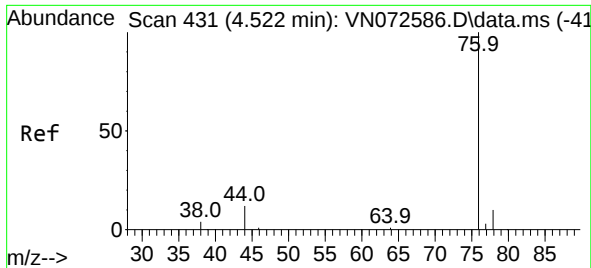
Tgt Ion: 59 Resp: 1328
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 2.651 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.006 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

Tgt Ion: 43 Resp: 2412
Ion Ratio Lower Upper
43 100
58 35.9 26.0 39.0

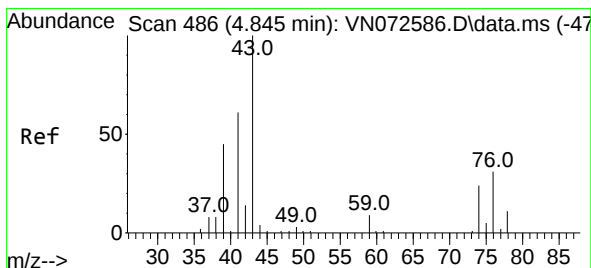
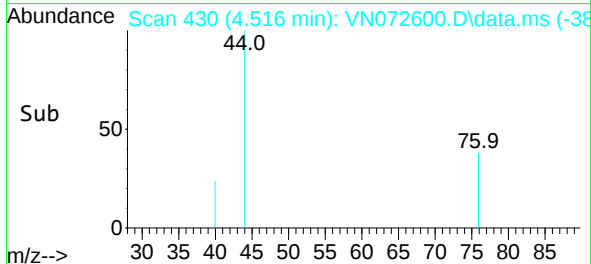
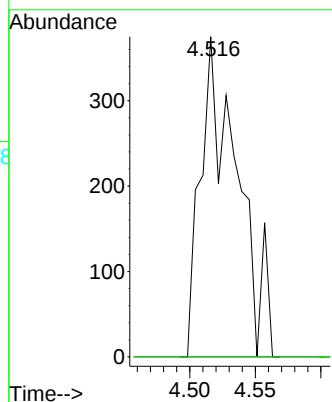
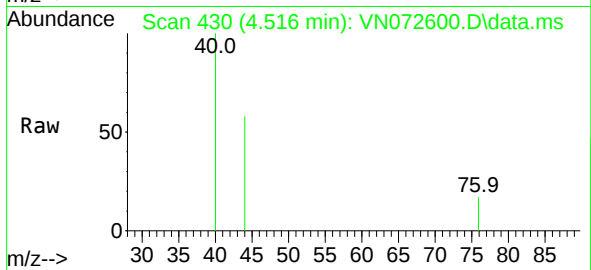




#17
Carbon Disulfide
Concen: 0.200 ug/l
RT: 4.516 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

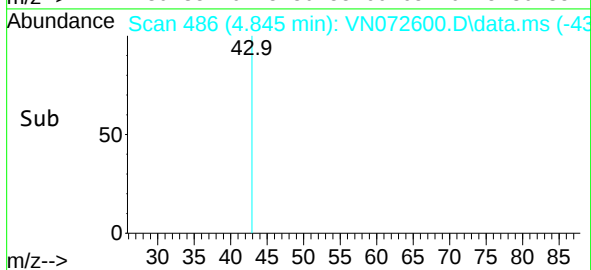
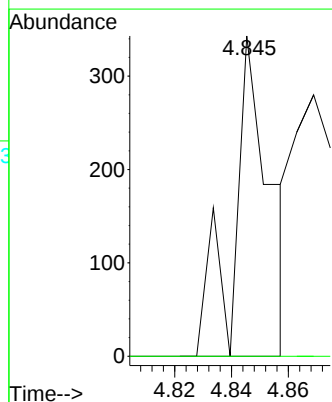
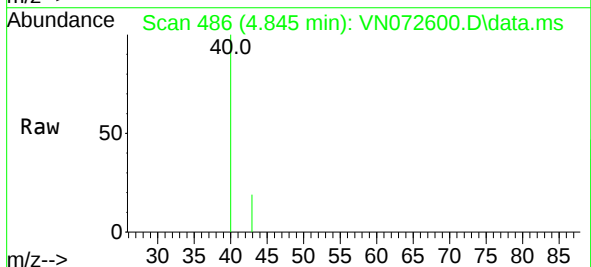
Instrument :
MSVOA_N
ClientSampleId :
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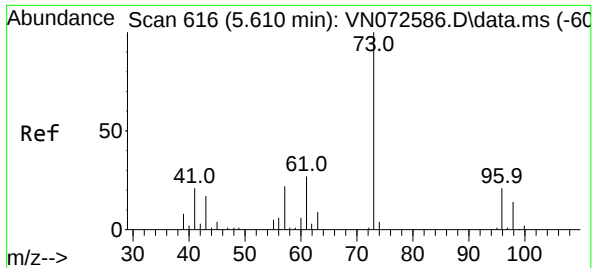
Tgt Ion: 76 Resp: 728
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.845 min Scan# 486
Delta R.T. 0.000 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

Tgt Ion: 43 Resp: 307
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

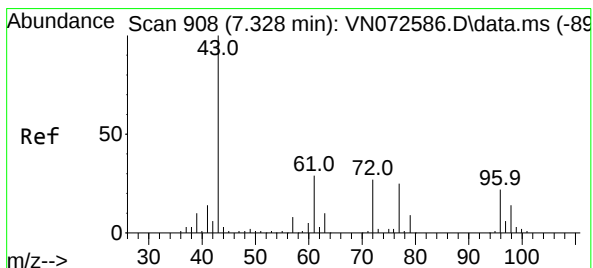
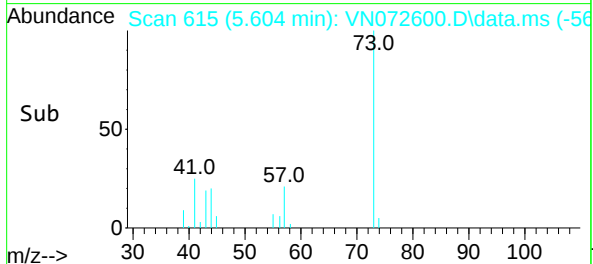
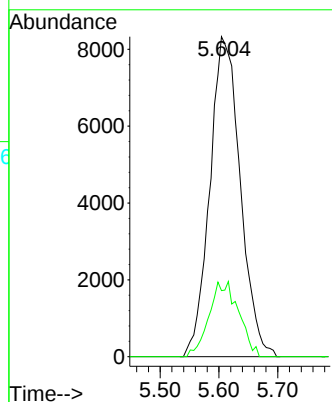
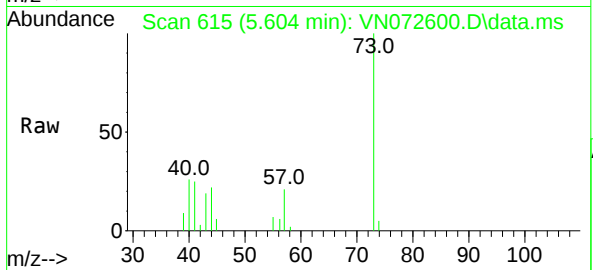




#19
Methyl tert-butyl Ether
Concen: 5.908 ug/l
RT: 5.604 min Scan# 616
Delta R.T. -0.006 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

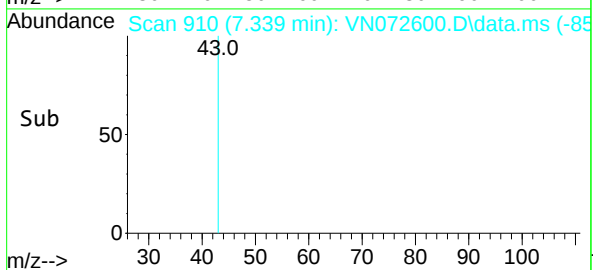
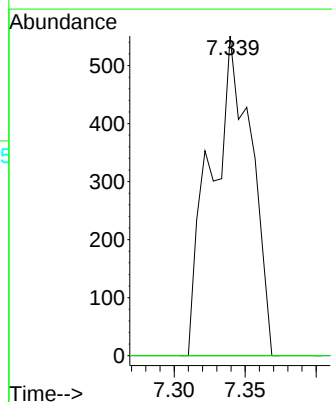
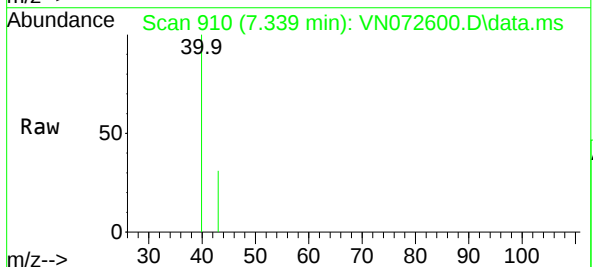
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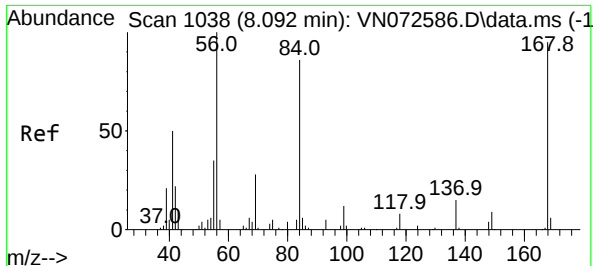
Tgt Ion: 73 Resp: 29972
Ion Ratio Lower Upper
73 100
57 20.6 17.6 26.4



#25
2-Butanone
Concen: 0.709 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

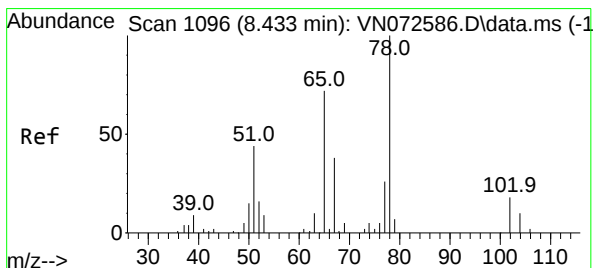
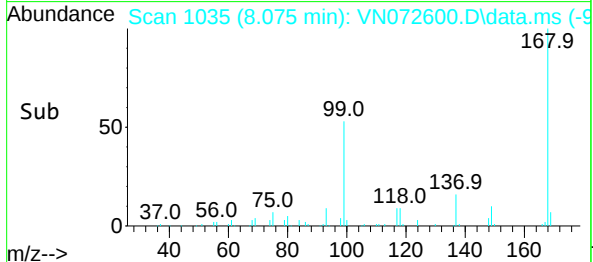
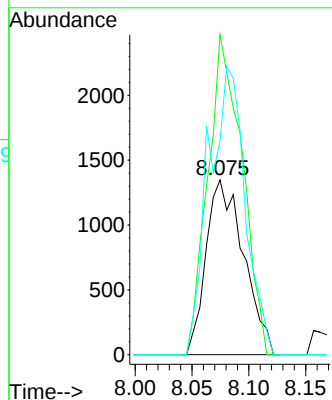
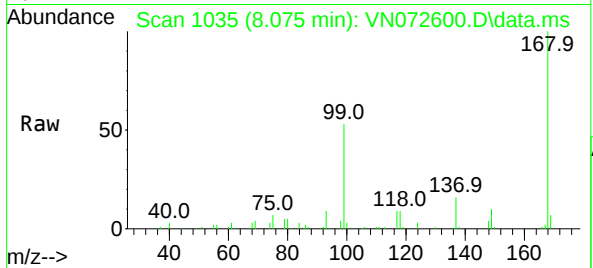




#31
Cyclohexane
Concen: 1.055 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.017 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

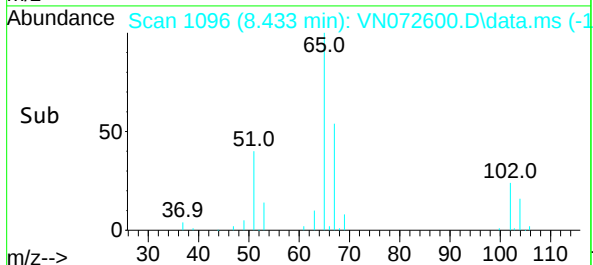
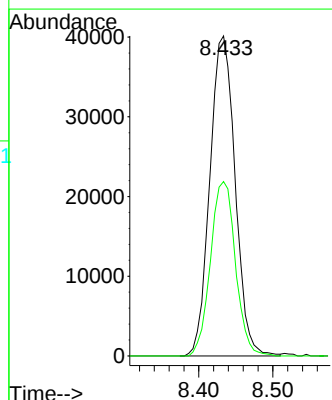
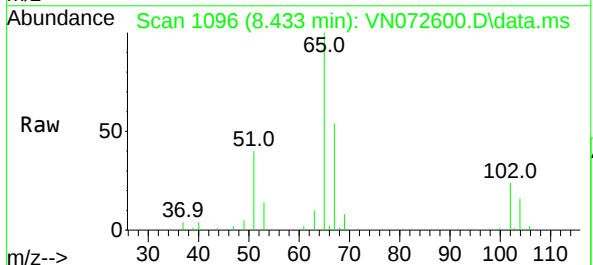
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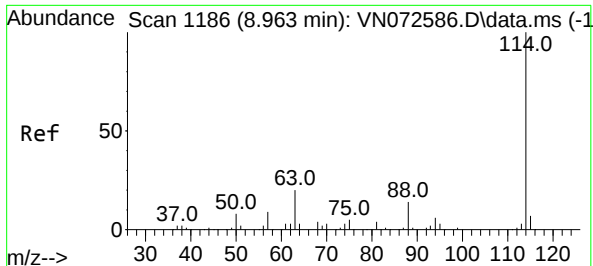
Tgt Ion: 56 Resp: 3093
Ion Ratio Lower Upper
56 100
69 183.2 27.8 41.8#
84 122.4 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 51.372 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

Tgt Ion: 65 Resp: 95101
Ion Ratio Lower Upper
65 100
67 54.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072600.D

Acq: 24 May 2022 20:55

Instrument :

MSVOA_N

ClientSampleId :

MW-24

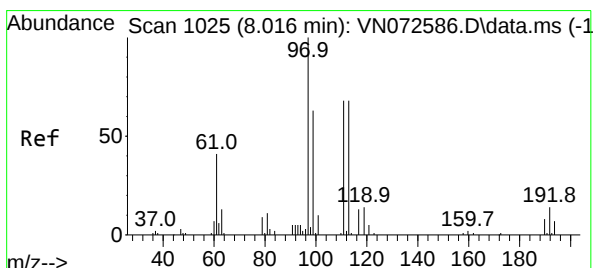
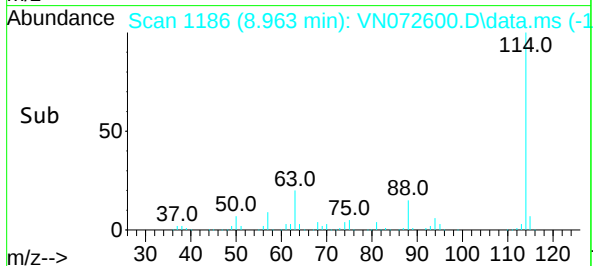
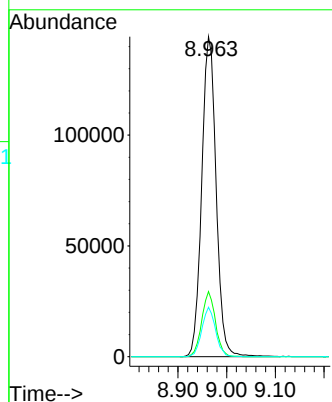
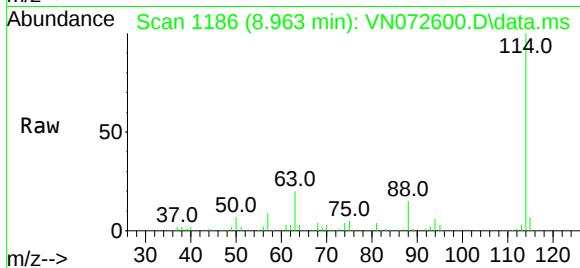
Tgt Ion:114 Resp: 296712

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 45.652 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072600.D

Acq: 24 May 2022 20:55

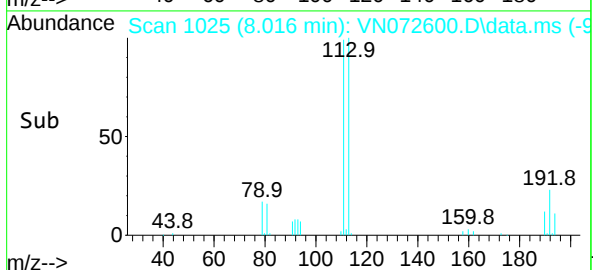
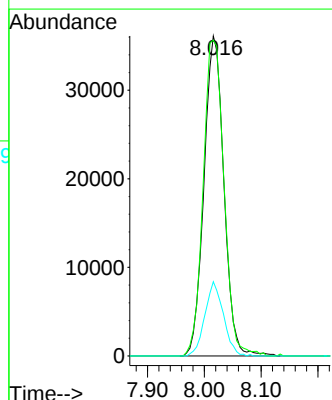
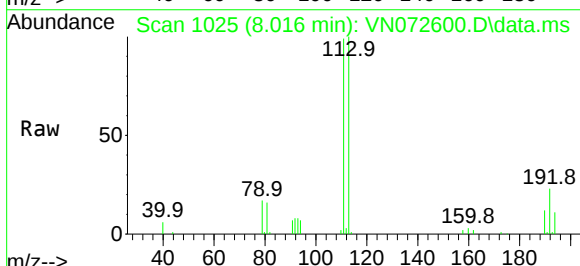
Tgt Ion:113 Resp: 87793

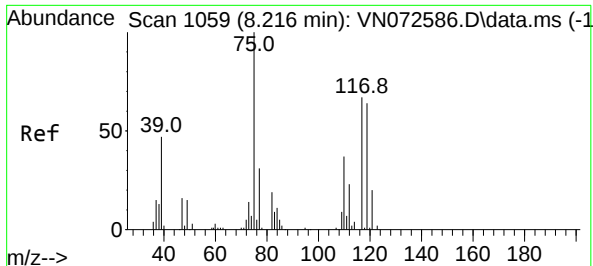
Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 21.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.244 ug/l

RT: 8.080 min Scan# 1

Delta R.T. -0.136 min

Lab File: VN072600.D

Acq: 24 May 2022 20:55

Instrument :

MSVOA_N

ClientSampleId :

MW-24

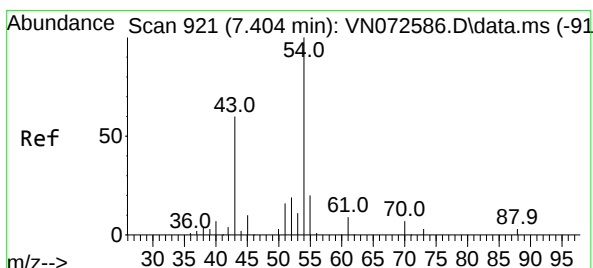
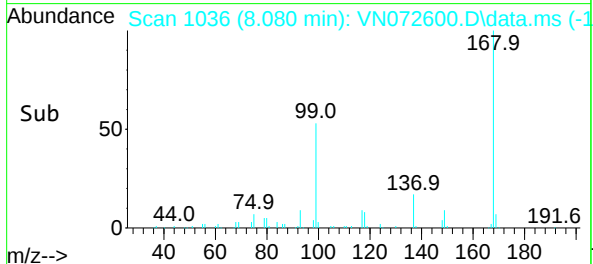
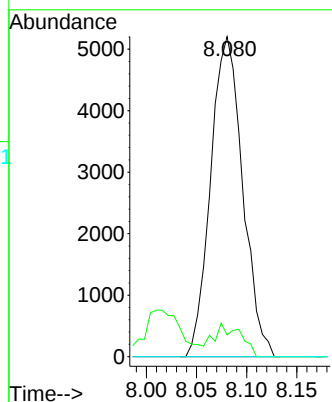
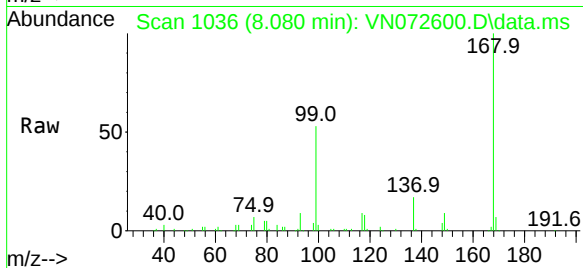
Tgt Ion: 75 Resp: 11548

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.306 ug/l

RT: 7.339 min Scan# 910

Delta R.T. -0.065 min

Lab File: VN072600.D

Acq: 24 May 2022 20:55

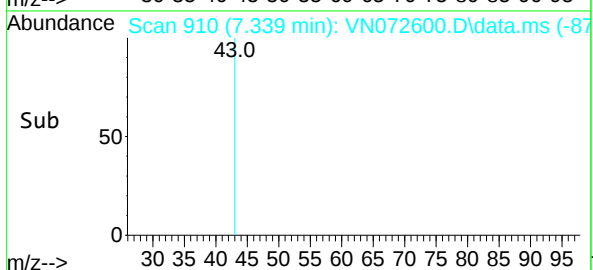
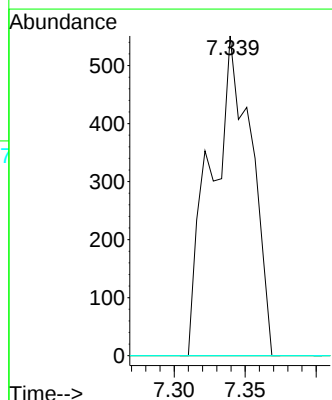
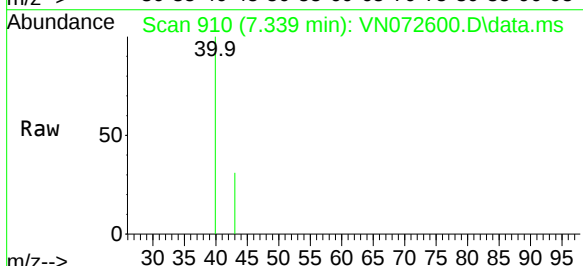
Tgt Ion: 43 Resp: 1089

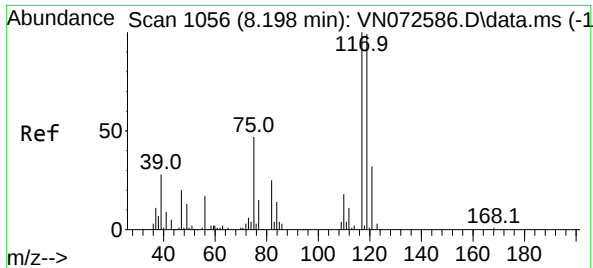
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

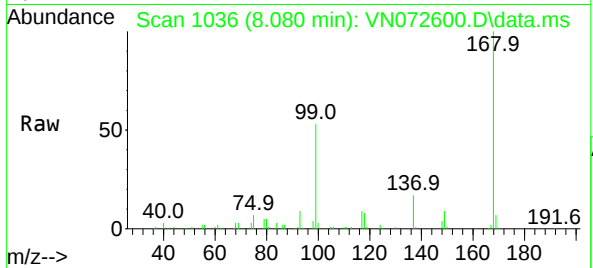
70 0.0 9.3 13.9#



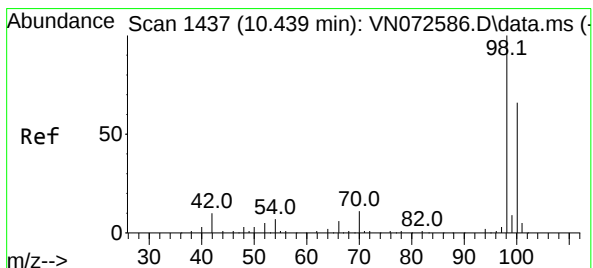
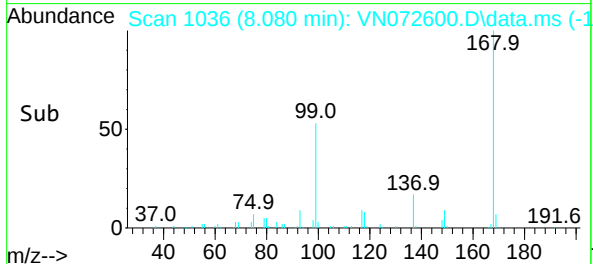
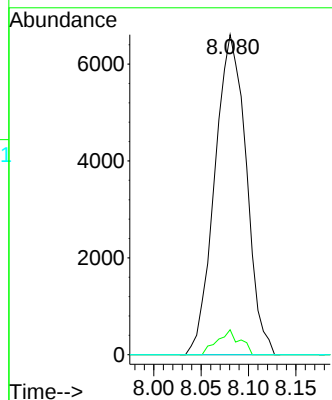


#38
Carbon Tetrachloride
Concen: 5.318 ug/l
RT: 8.080 min Scan# 1056
Delta R.T. -0.118 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

Instrument :
MSVOA_N
ClientSampleId :
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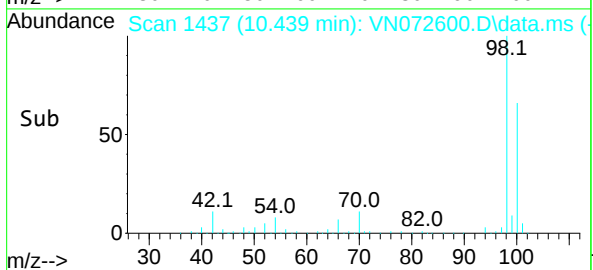
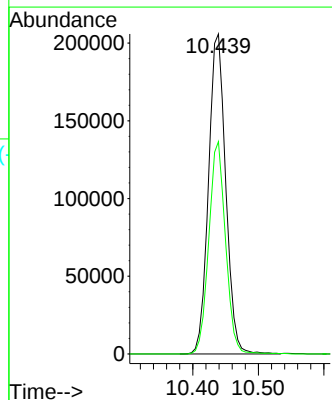
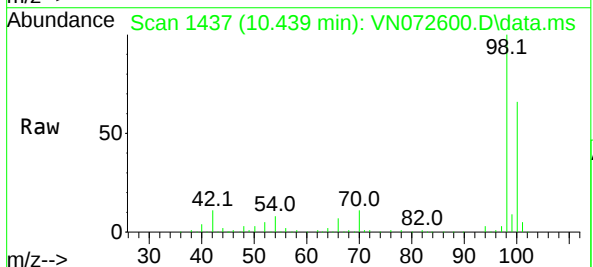


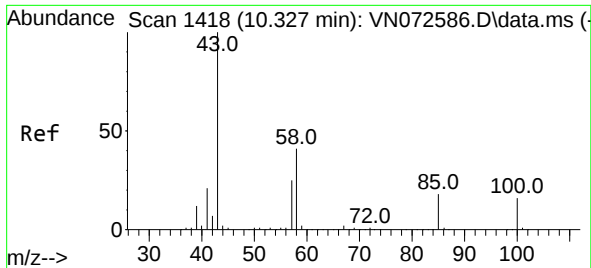
Tgt Ion:117 Resp: 15274
Ion Ratio Lower Upper
117 100
119 7.8 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 51.117 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

Tgt Ion: 98 Resp: 375348
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8

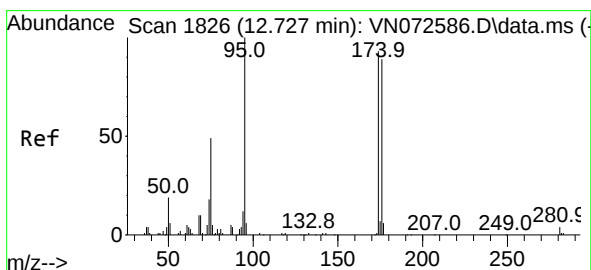
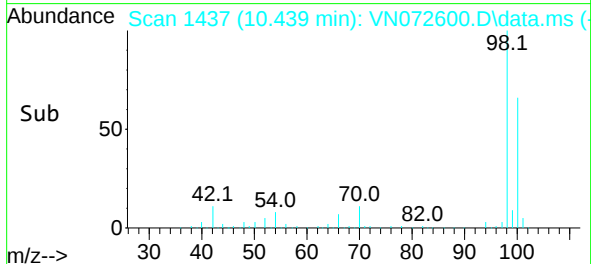
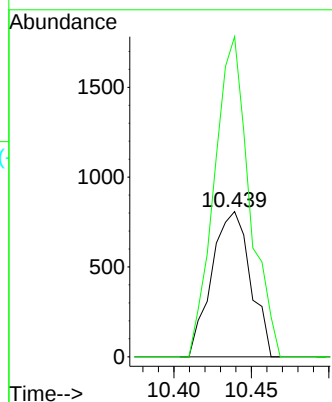
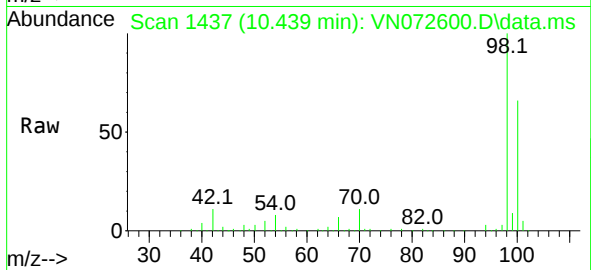




#51
4-Methyl-2-Pentanone
Concen: 0.406 ug/l
RT: 10.439 min Scan# 1418
Delta R.T. 0.112 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

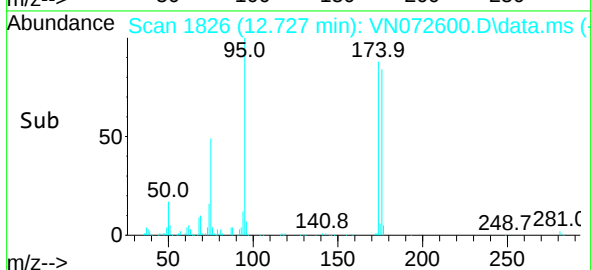
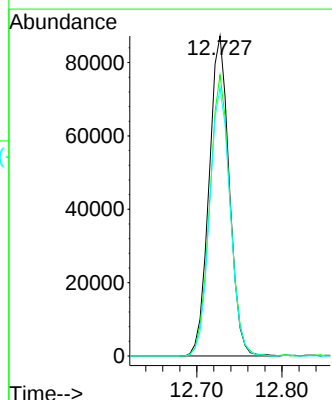
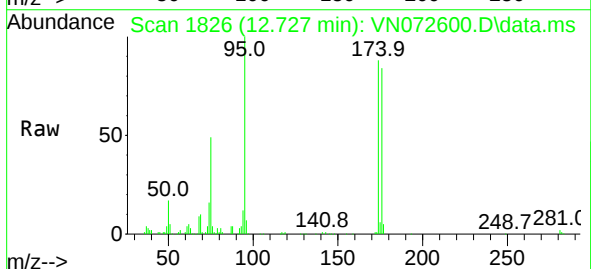
Instrument :
MSVOA_N
ClientSampleId :
MW-24

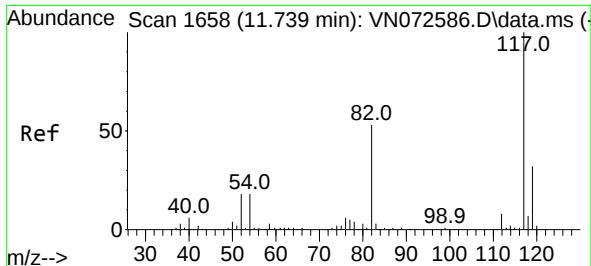
Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
58 200.4 34.1 51.1#



#62
4-Bromofluorobenzene
Concen: 60.354 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

Tgt Ion: 95 Resp: 144139
Ion Ratio Lower Upper
95 100
174 88.5 0.0 167.6
176 85.2 0.0 163.4

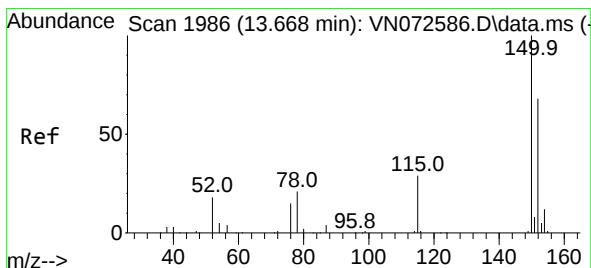
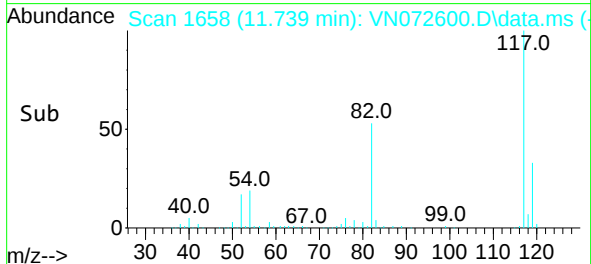
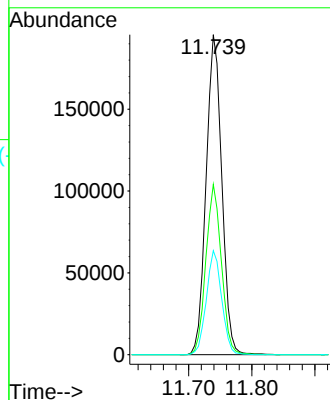
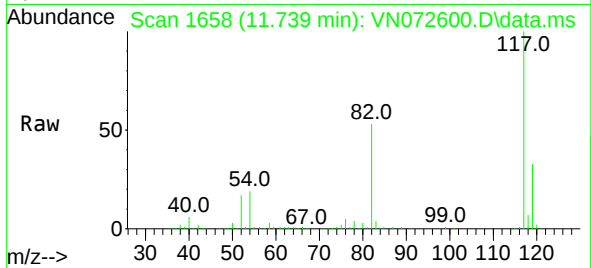




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

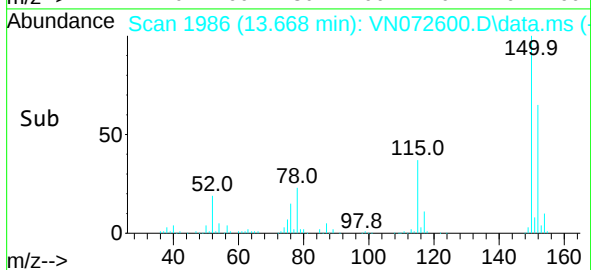
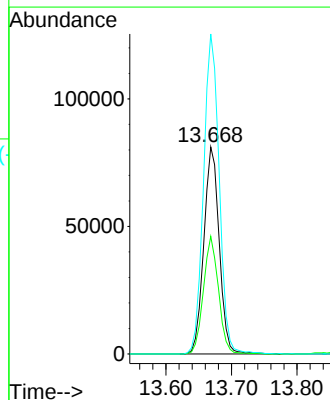
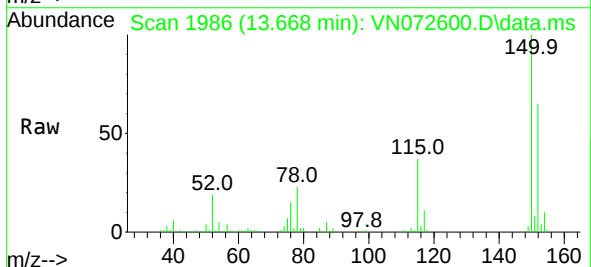
Instrument :
MSVOA_N
ClientSampleId :
MW-24

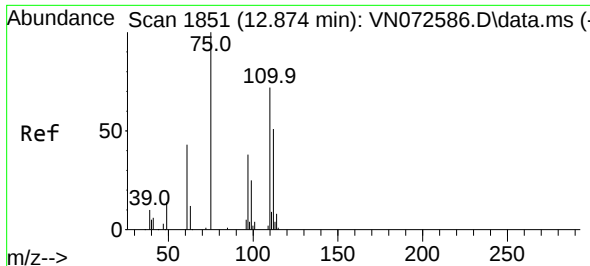
Tgt Ion:117 Resp: 337712
Ion Ratio Lower Upper
117 100
82 53.2 44.2 66.2
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

Tgt Ion:152 Resp: 132935
Ion Ratio Lower Upper
152 100
115 55.4 28.9 86.7
150 157.1 0.0 356.2

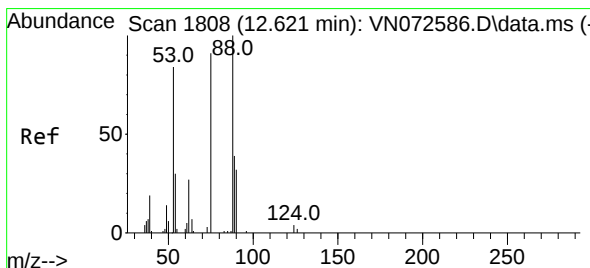
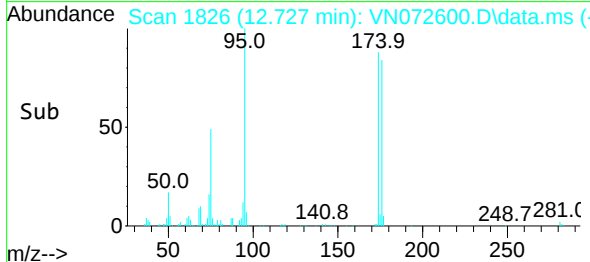
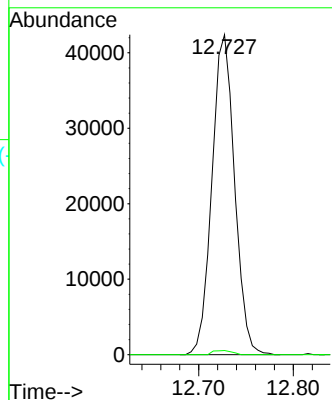
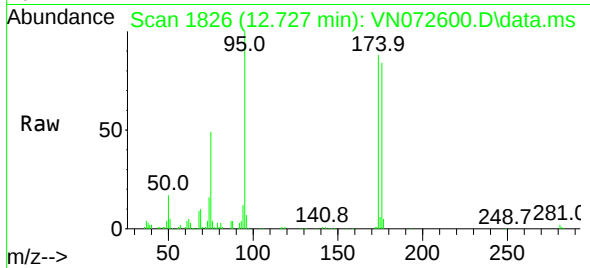




#76
1,2,3-Trichloropropane
Concen: 19.550 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

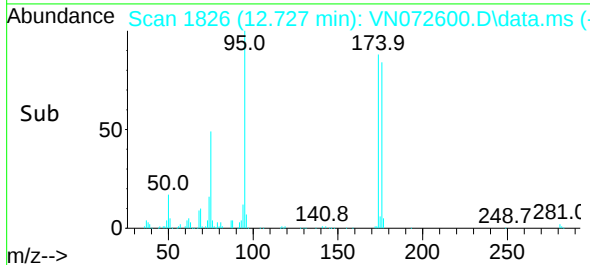
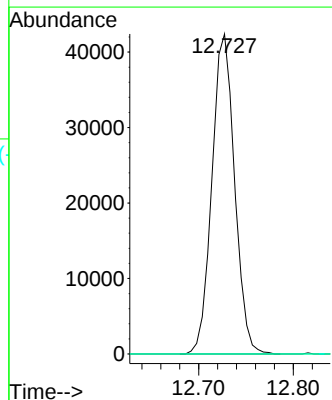
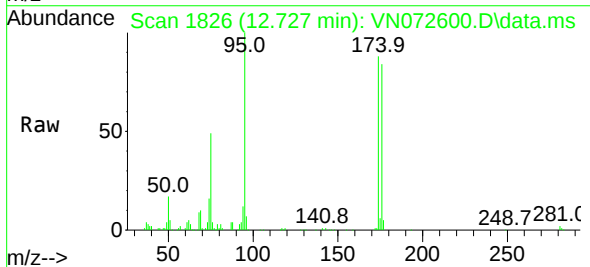
Instrument :
MSVOA_N
ClientSampleId :
MW-24

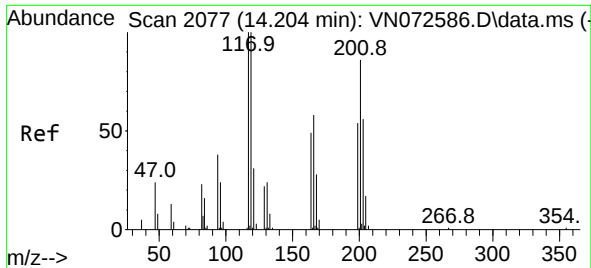
Tgt Ion: 75 Resp: 70560
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.374 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072600.D
Acq: 24 May 2022 20:55

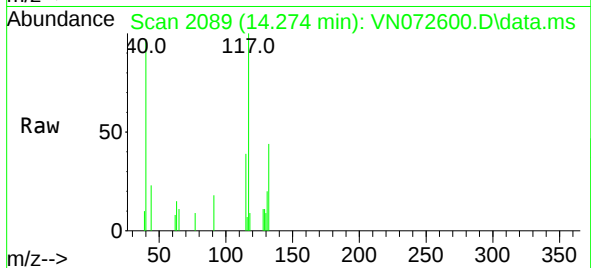
Tgt Ion: 75 Resp: 70560
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#90
 Hexachloroethane
 Concen: 2.050 ug/l
 RT: 14.274 min Scan# 20
 Delta R.T. 0.070 min
 Lab File: VN072600.D
 Acq: 24 May 2022 20:55

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-24



Tgt Ion:117 Resp: 3665
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.6 122.0#

