

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068173.D
 Acq On : 18 Aug 2021 4:44
 Operator : JC/MD
 Sample : M3410-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Aug 18 08:42:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

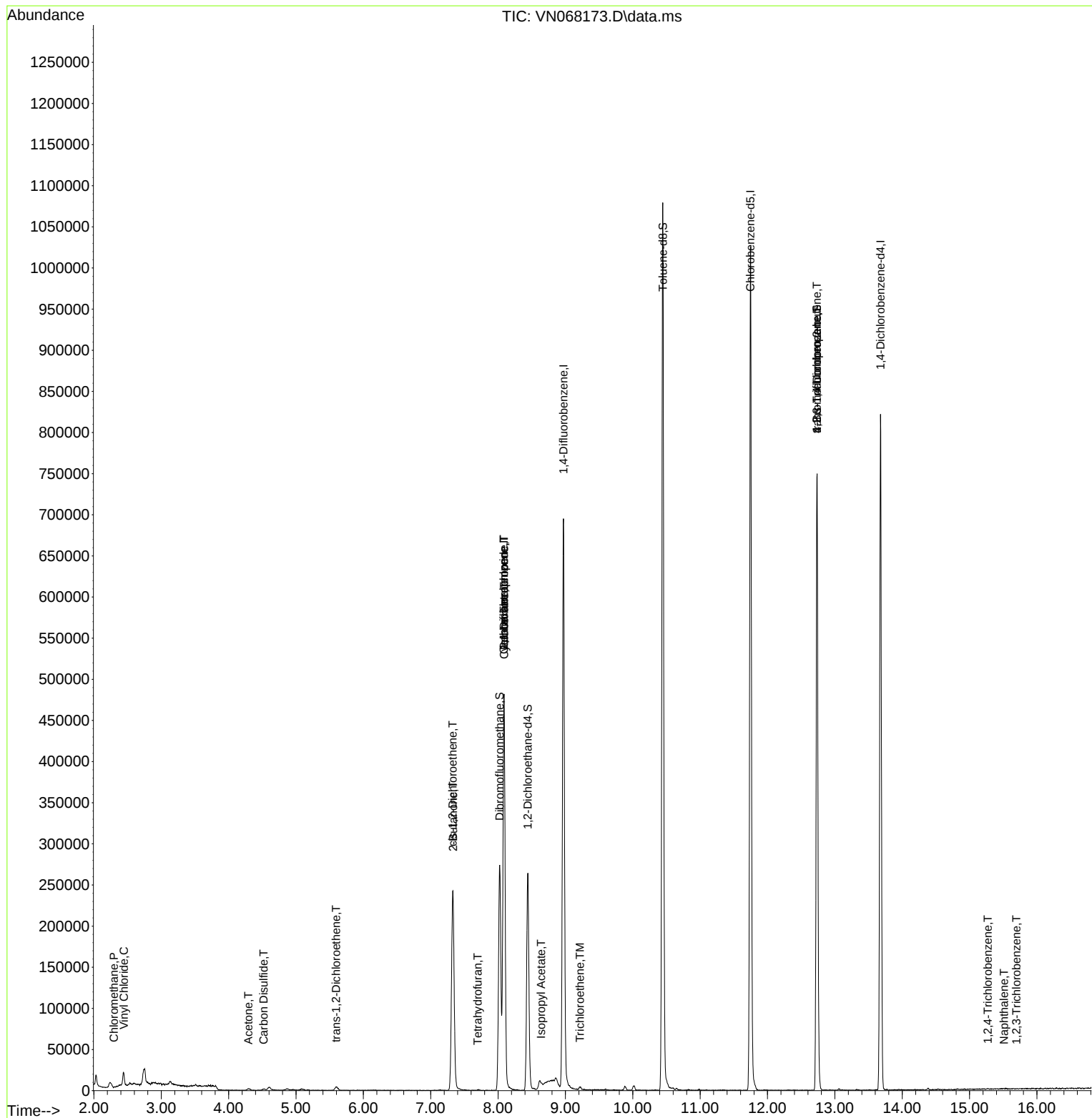
Internal Standards						
1) Pentafluorobenzene	8.088	168	398277	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	653126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	657036	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	241822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	223412	52.537	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 105.080%		
35) Dibromofluoromethane	8.024	113	202309	49.338	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 98.680%		
50) Toluene-d8	10.446	98	796542	50.981	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 101.960%		
62) 4-Bromofluorobenzene	12.734	95	254281	48.888	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 97.780%		
Target Compounds						
						Qvalue
3) Chloromethane	2.298	50	879	0.247	ug/l	# 87
4) Vinyl Chloride	2.445	62	5361	0.960	ug/l	93
5) Bromomethane	2.824	94	52	Below Cal	#	4
6) Chloroethane	2.977	64	25	Below Cal	#	44
13) Acrolein	4.041	56	25	Below Cal	#	14
16) Acetone	4.293	43	3374	2.717	ug/l	# 87
17) Carbon Disulfide	4.521	76	2167	0.260	ug/l	# 74
18) Methyl Acetate	4.865	43	3139	Below Cal	#	80
20) Methylene Chloride	5.085	84	495	Below Cal	#	60
21) trans-1,2-Dichloroethene	5.597	96	2658	0.735	ug/l	# 71
25) 2-Butanone	7.332	43	581	0.300	ug/l	# 1
27) cis-1,2-Dichloroethene	7.327	96	161561	37.327	ug/l	69
29) Tetrahydrofuran	7.697	42	332	0.268	ug/l	# 73
31) Cyclohexane	8.091	56	7202	1.286	ug/l	# 1
36) 1,1-Dichloropropene	8.088	75	25778	4.828	ug/l	# 52
38) Carbon Tetrachloride	8.086	117	37112	6.027	ug/l	# 17
43) Isopropyl Acetate	8.638	43	7707	1.058	ug/l	# 58
44) Trichloroethene	9.215	130	1382	0.282	ug/l	56
76) 1,2,3-Trichloropropane	12.734	75	130156	32.383	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	130156	106.090	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.271	180	81	2.704	ug/l	# 1
95) Naphthalene	15.512	128	1077	3.450	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.697	180	218	2.885	ug/l	# 12

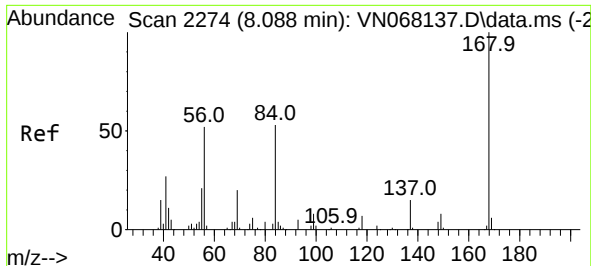
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 18 08:42:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration

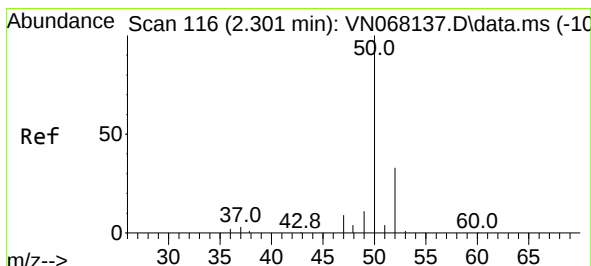
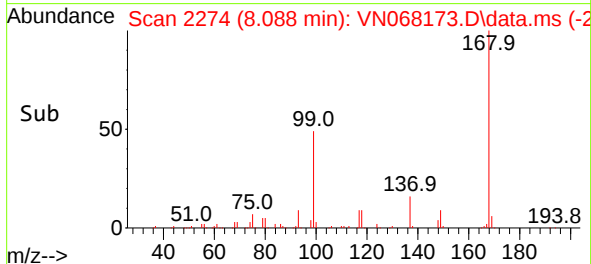
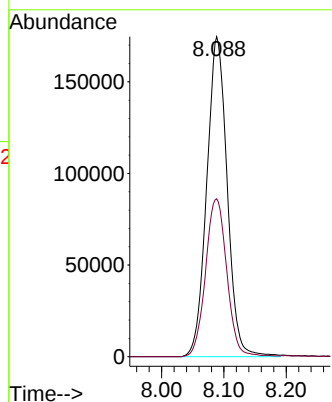
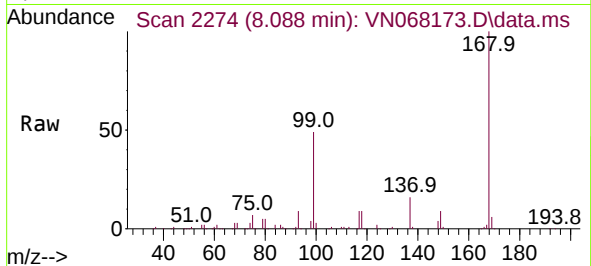




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

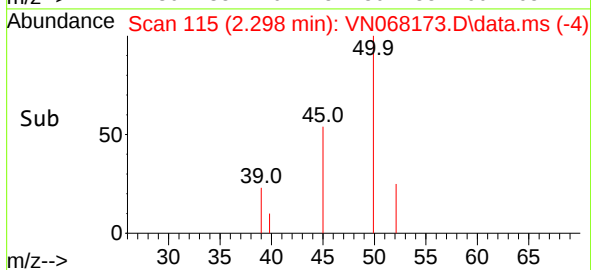
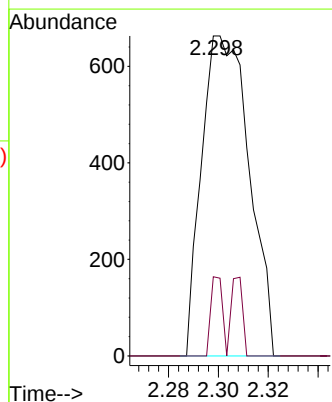
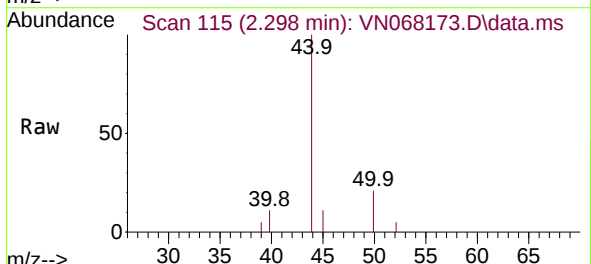
Instrument :
MSVOA_N
ClientSampled :
MW-2

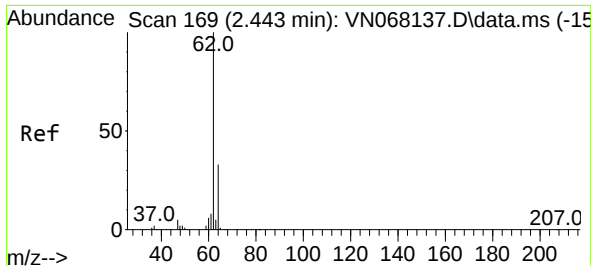
Tgt Ion:168 Resp: 398277
Ion Ratio Lower Upper
168 100
99 49.3 62.9 94.3#



#3
Chloromethane
Concen: 0.247 ug/l
RT: 2.298 min Scan# 115
Delta R.T. -0.003 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

Tgt Ion: 50 Resp: 879
Ion Ratio Lower Upper
50 100
52 24.7 25.6 38.4#

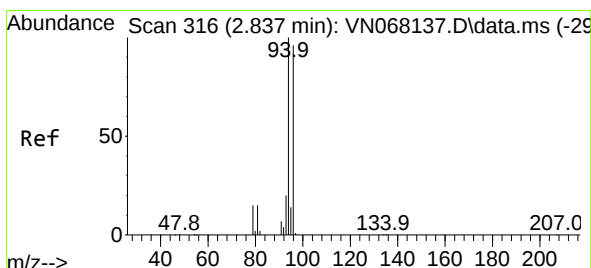
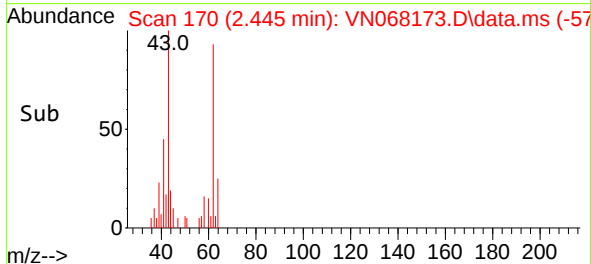
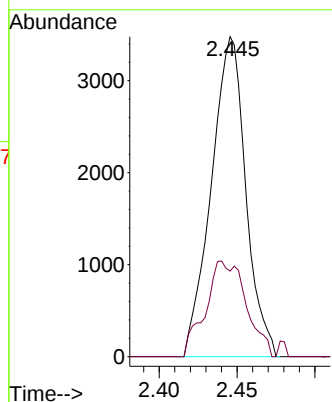
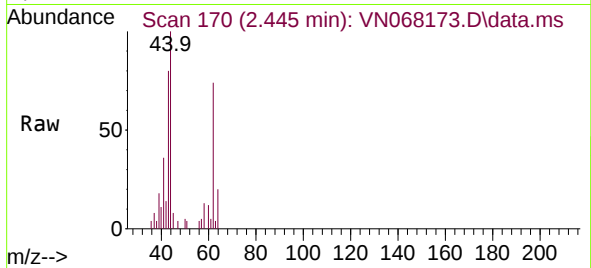




#4
 Vinyl Chloride
 Concen: 0.960 ug/l
 RT: 2.445 min Scan# 170
 Delta R.T. 0.002 min
 Lab File: VN068173.D
 Acq: 18 Aug 2021 4:44

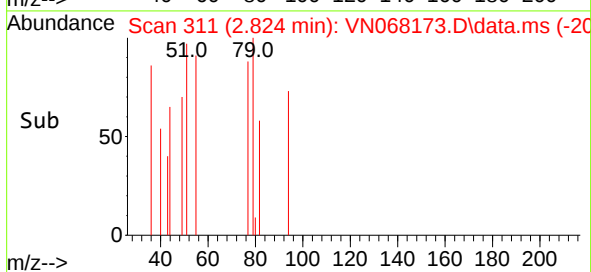
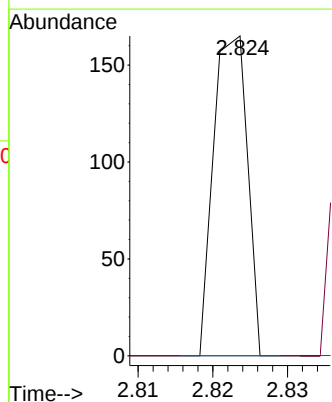
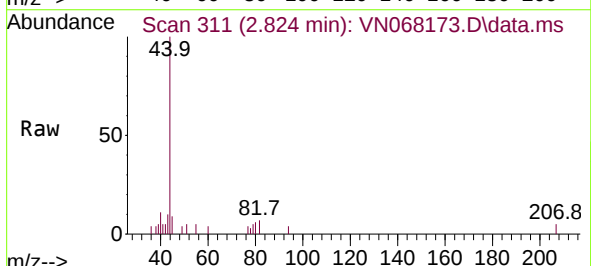
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

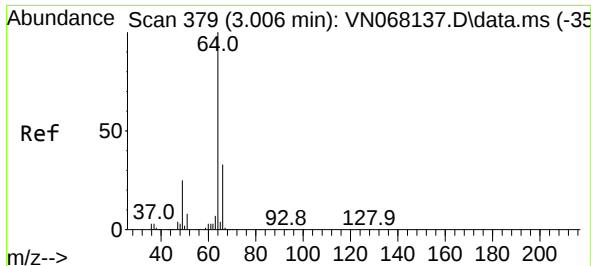
Tgt Ion: 62 Resp: 5361
 Ion Ratio Lower Upper
 62 100
 64 26.8 24.4 36.6



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.824 min Scan# 311
 Delta R.T. -0.013 min
 Lab File: VN068173.D
 Acq: 18 Aug 2021 4:44

Tgt Ion: 94 Resp: 52
 Ion Ratio Lower Upper
 94 100
 96 0.0 73.7 110.5#

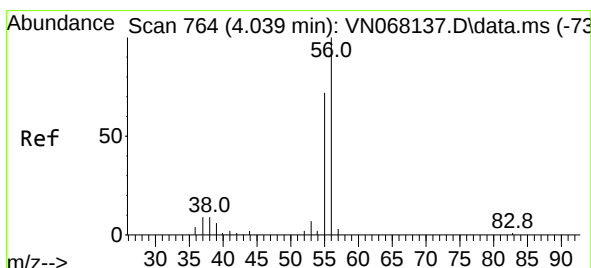
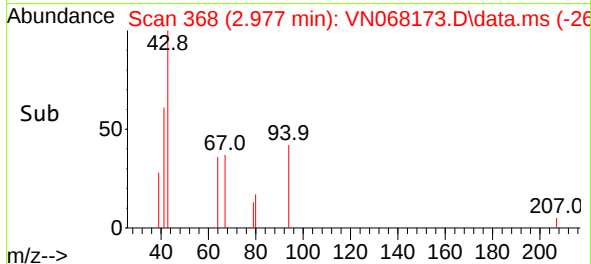
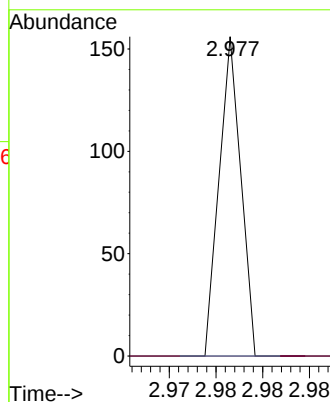
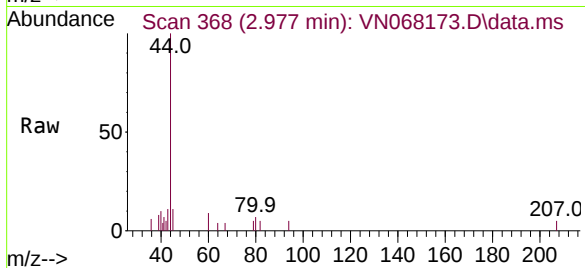




#6
Chloroethane
Concen: Below Cal
RT: 2.977 min Scan# 368
Delta R.T. -0.029 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

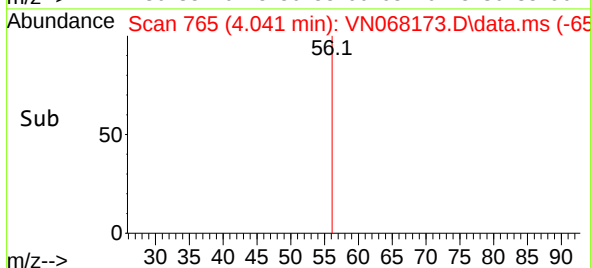
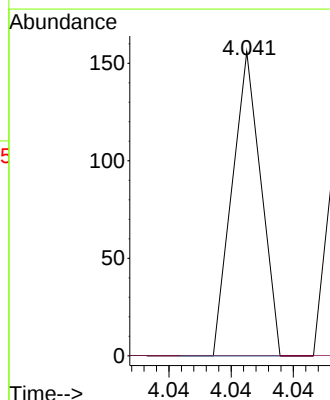
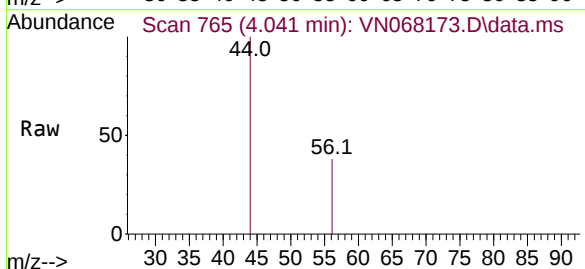
Instrument :
MSVOA_N
ClientSampled :
MW-2

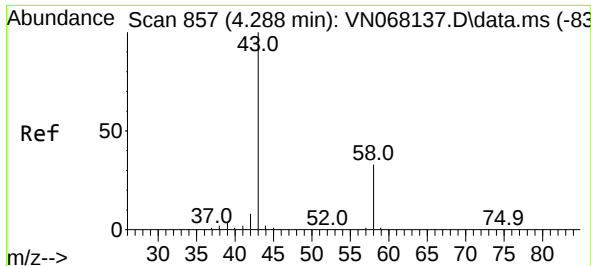
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

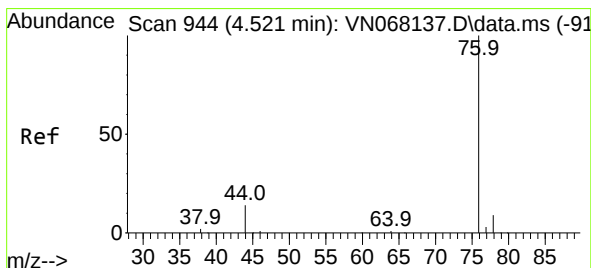
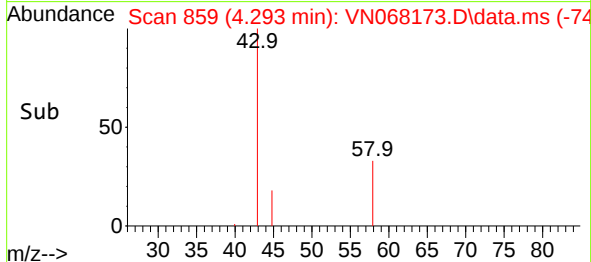
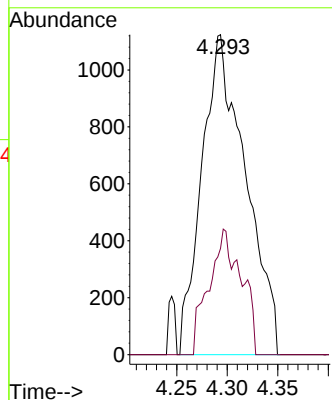
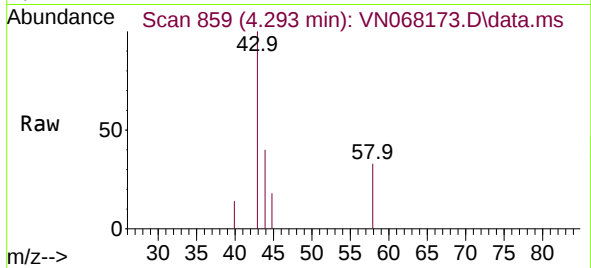




#16
Acetone
Concen: 2.717 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

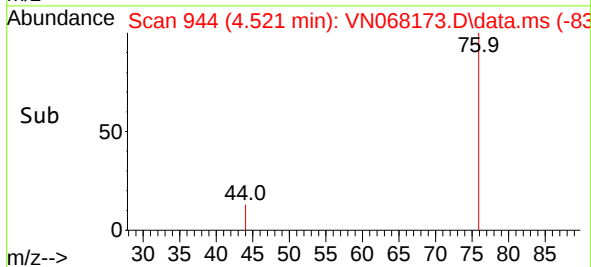
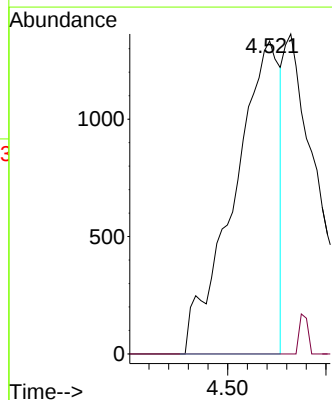
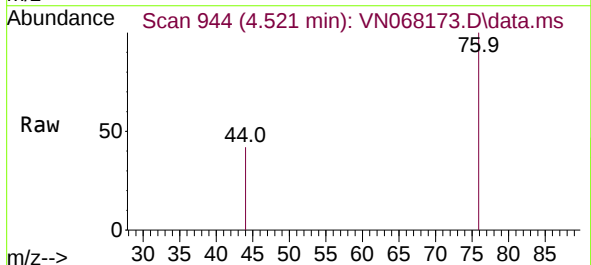
Instrument :
MSVOA_N
ClientSampleId :
MW-2

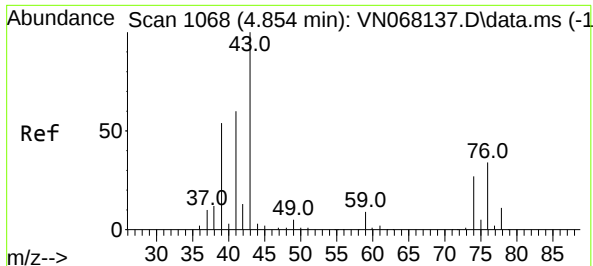
Tgt Ion: 43 Resp: 3374
Ion Ratio Lower Upper
43 100
58 33.2 21.2 31.8#



#17
Carbon Disulfide
Concen: 0.260 ug/l
RT: 4.521 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

Tgt Ion: 76 Resp: 2167
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.865 min Scan# 1072

Delta R.T. 0.011 min

Lab File: VN068173.D

Acq: 18 Aug 2021 4:44

Instrument :

MSVOA_N

ClientSampled :

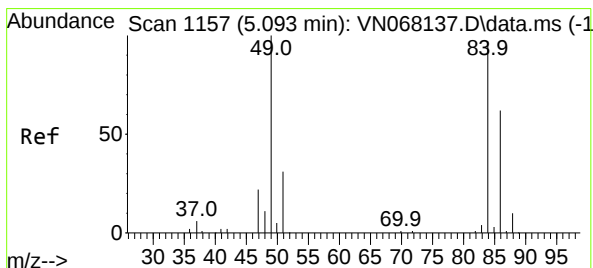
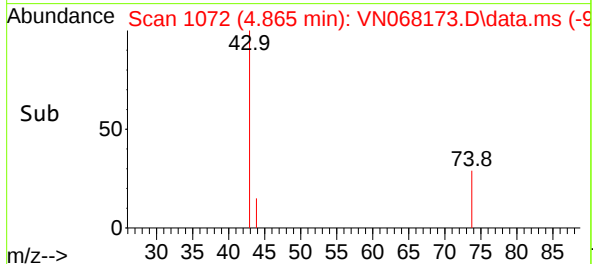
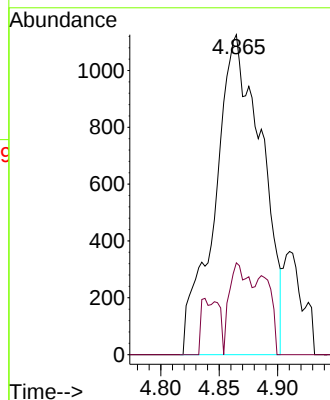
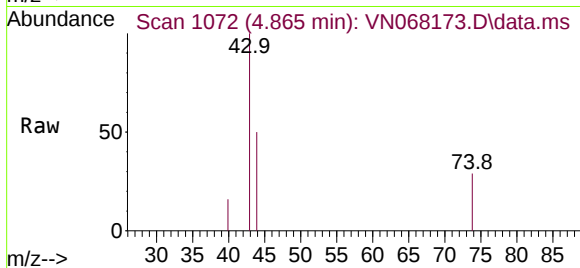
MW-2

Tgt Ion: 43 Resp: 3139

Ion Ratio Lower Upper

43 100

74 12.2 17.4 26.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.085 min Scan# 1154

Delta R.T. -0.008 min

Lab File: VN068173.D

Acq: 18 Aug 2021 4:44

Tgt Ion: 84 Resp: 495

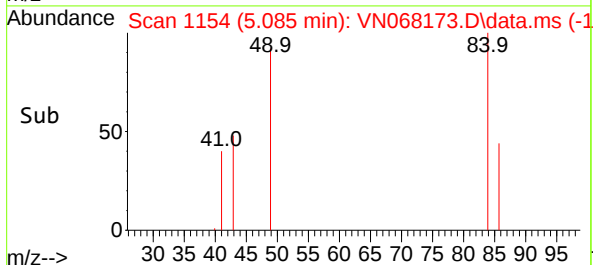
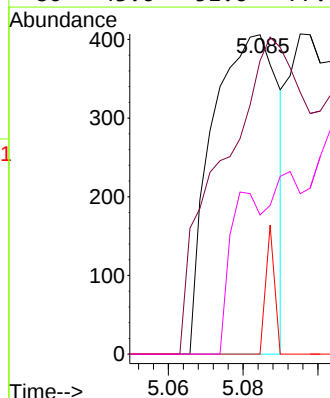
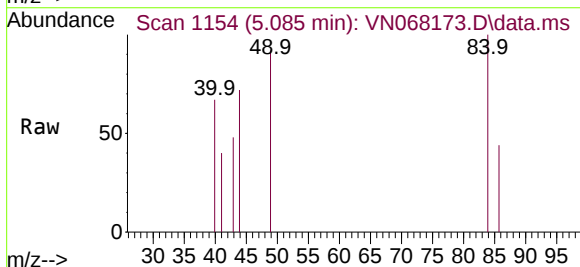
Ion Ratio Lower Upper

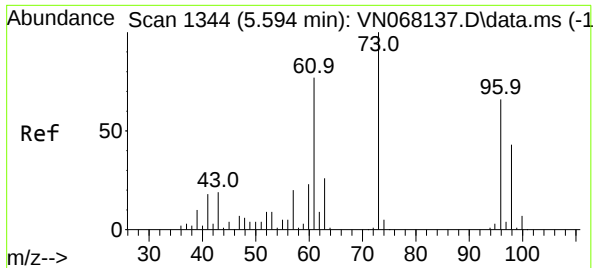
84 100

49 91.9 110.9 166.3#

51 0.0 32.6 49.0#

86 43.6 51.6 77.4#

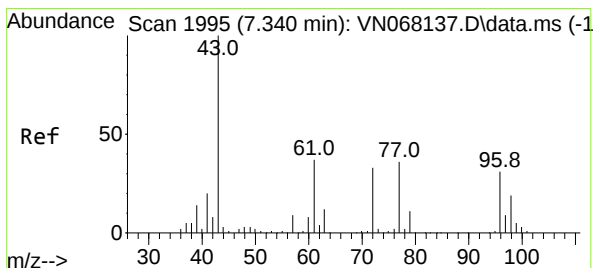
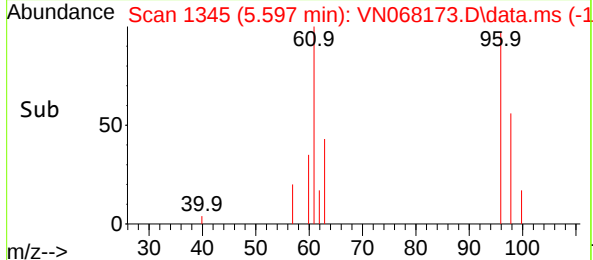
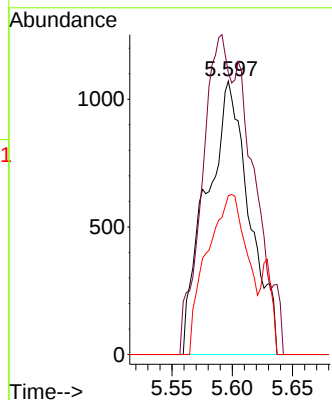
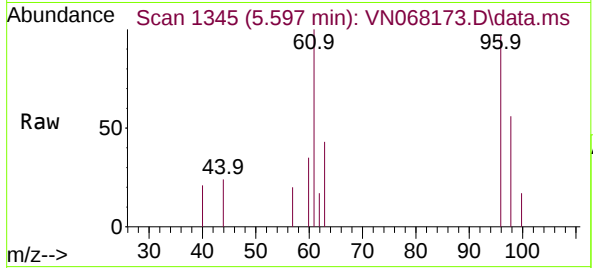




#21
trans-1,2-Dichloroethene
Concen: 0.735 ug/l
RT: 5.597 min Scan# 1345
Delta R.T. 0.003 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

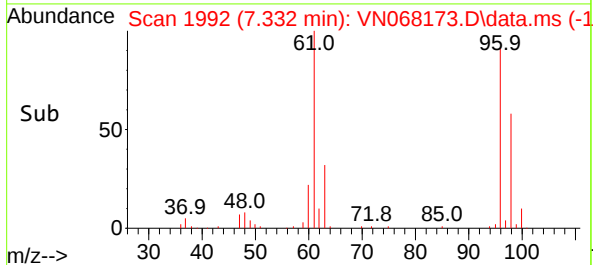
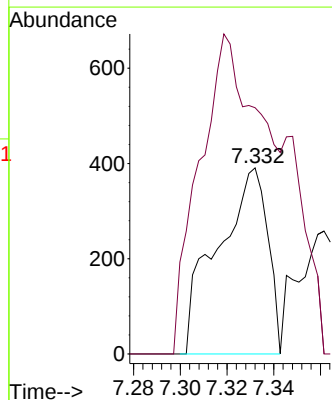
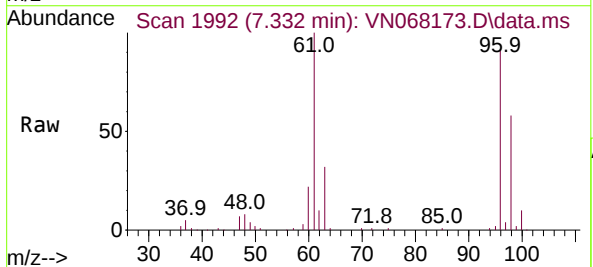
Instrument :
MSVOA_N
ClientSampled :
MW-2

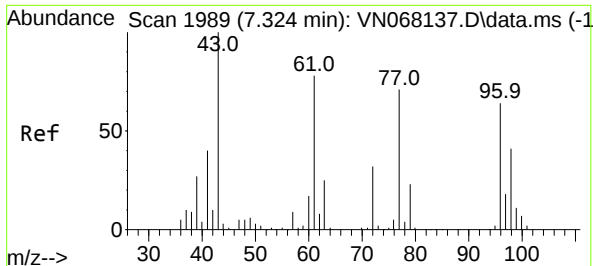
Tgt Ion: 96 Resp: 2658
Ion Ratio Lower Upper
96 100
61 103.2 123.5 185.3#
98 58.1 48.6 72.8



#25
2-Butanone
Concen: 0.300 ug/l
RT: 7.332 min Scan# 1992
Delta R.T. -0.008 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
72 82.9 19.7 29.5#



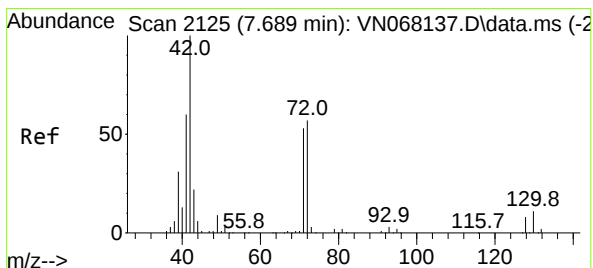
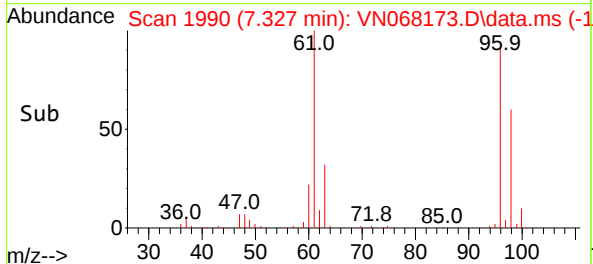
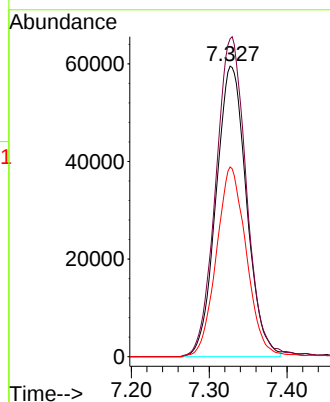
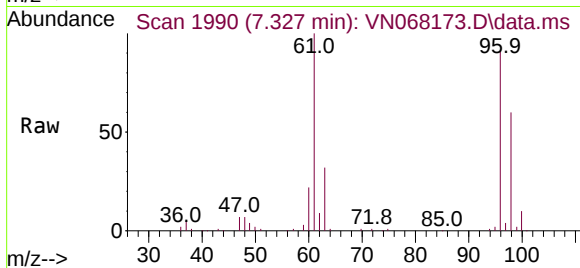


#27

cis-1,2-Dichloroethene
Concen: 37.327 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.003 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

Instrument :
MSVOA_N
ClientSampled :
MW-2

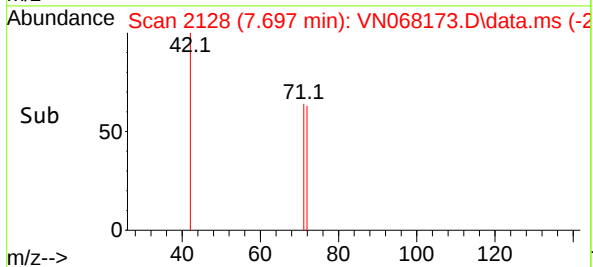
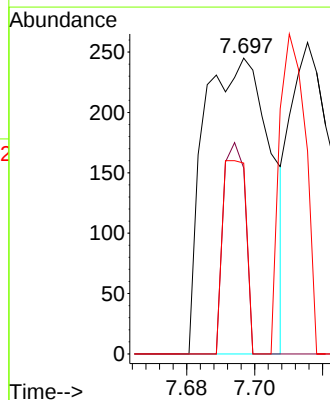
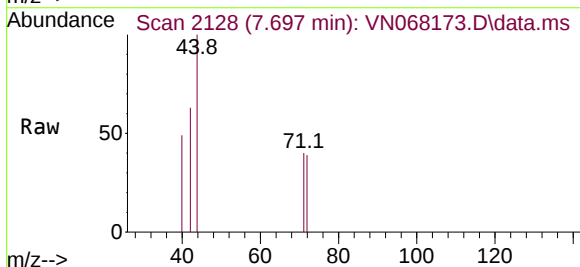
Tgt Ion:	96	Resp:	161561
Ion	Ratio	Lower	Upper
96	100		
61	110.8	0.0	338.8
98	64.5	0.0	129.8

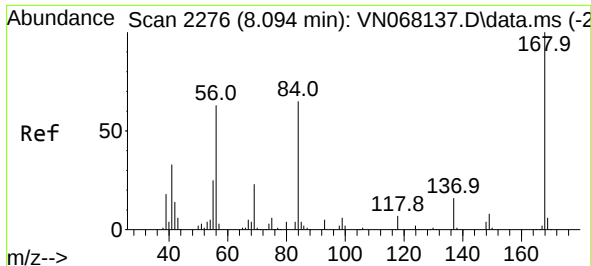


#29

Tetrahydrofuran
Concen: 0.268 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.008 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

Tgt Ion:	42	Resp:	332
Ion	Ratio	Lower	Upper
42	100		
72	23.5	32.8	49.2#
71	23.2	31.2	46.8#

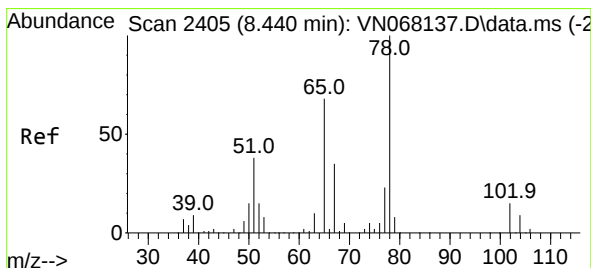
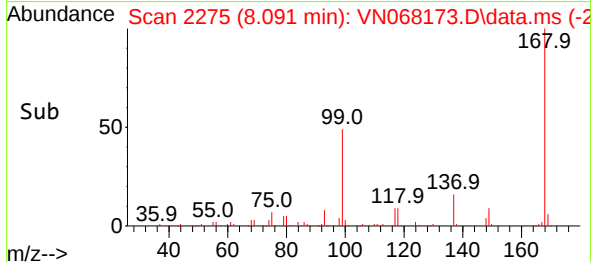
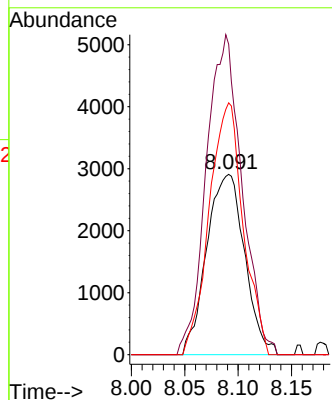
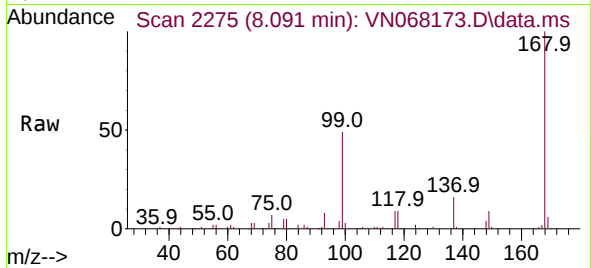




#31
Cyclohexane
Concen: 1.286 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

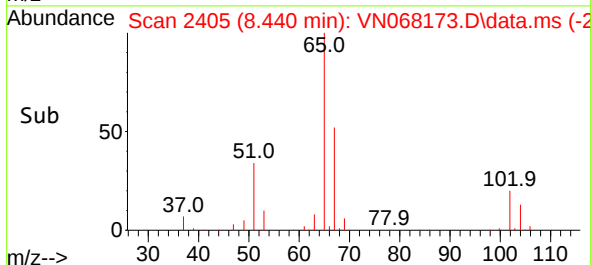
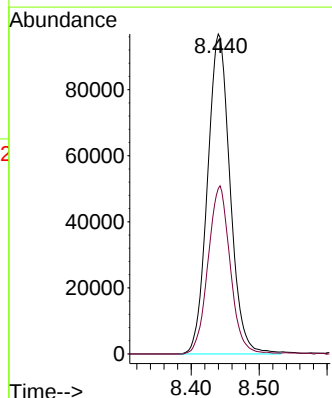
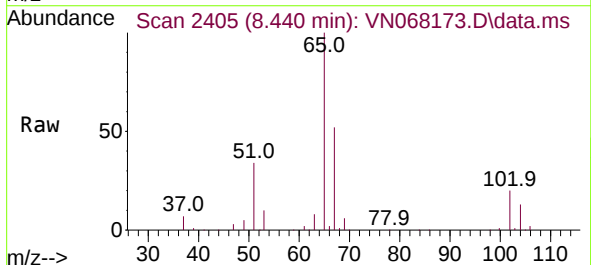
Instrument :
MSVOA_N
ClientSampled :
MW-2

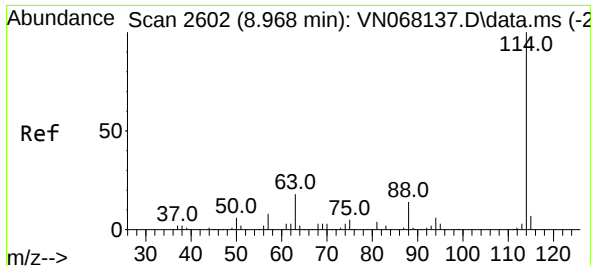
Tgt Ion: 56 Resp: 7202
Ion Ratio Lower Upper
56 100
69 172.1 27.3 40.9#
84 139.6 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.537 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

Tgt Ion: 65 Resp: 223412
Ion Ratio Lower Upper
65 100
67 51.6 0.0 98.6

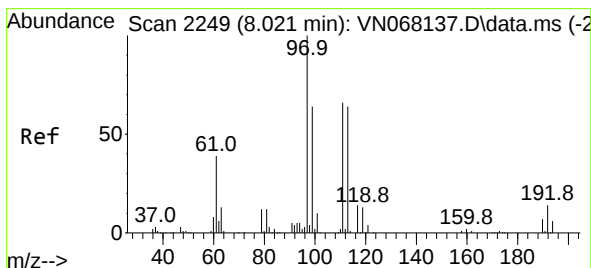
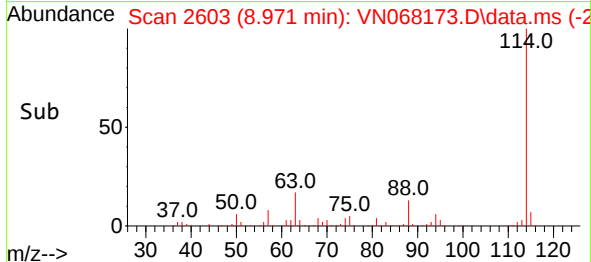
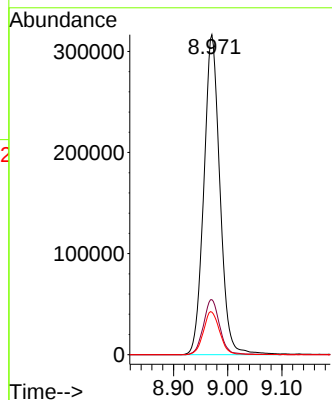
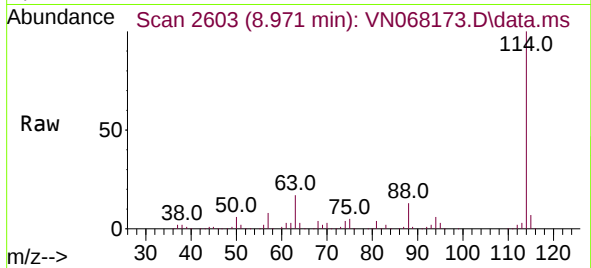




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

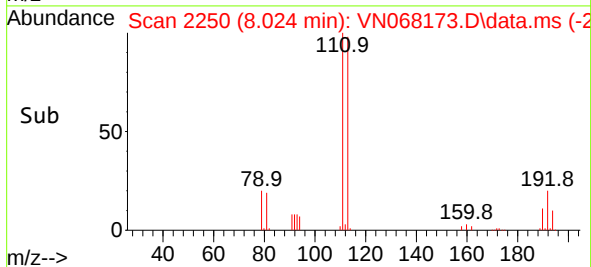
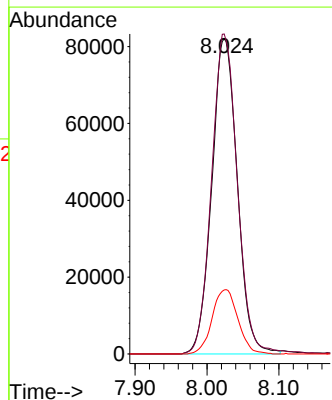
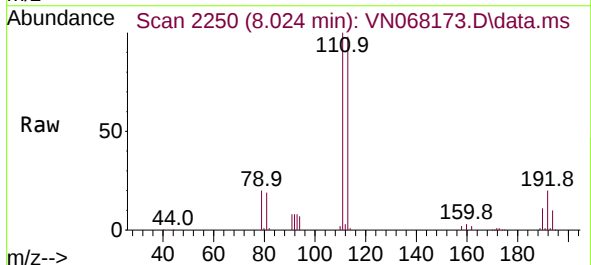
Instrument :
MSVOA_N
ClientSampled :
MW-2

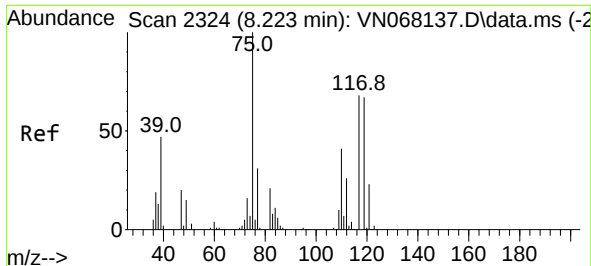
Tgt Ion:114 Resp: 653126
Ion Ratio Lower Upper
114 100
63 17.2 0.0 49.0
88 13.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.338 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

Tgt Ion:113 Resp: 202309
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.8
192 20.6 13.4 20.0#

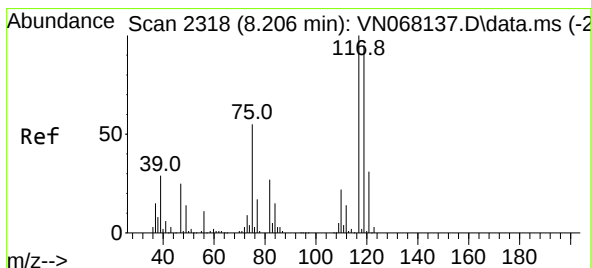
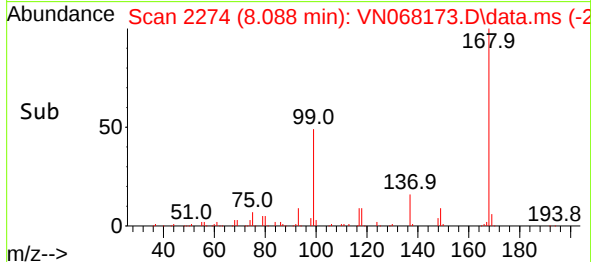
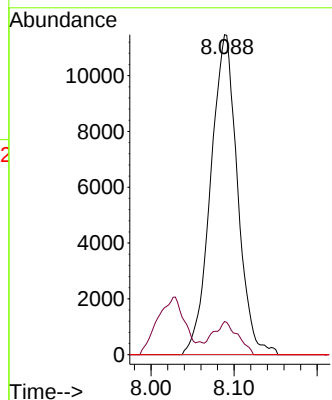
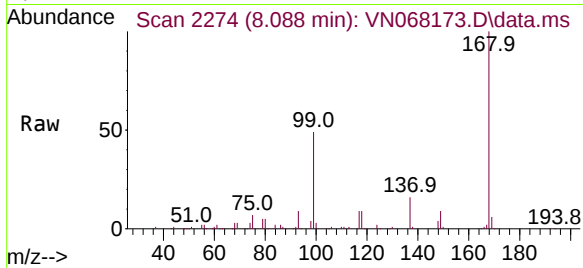




#36
1,1-Dichloropropene
Concen: 4.828 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

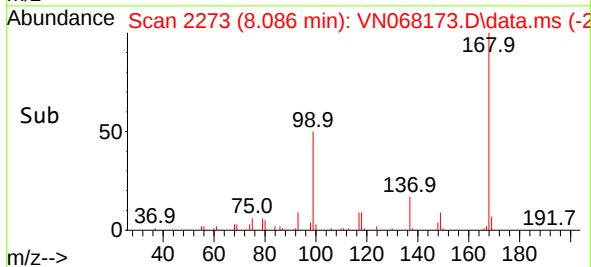
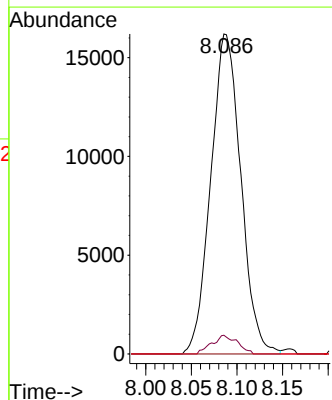
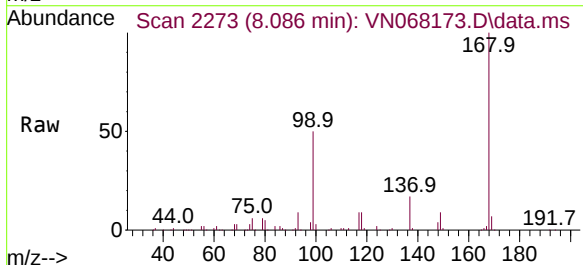
Instrument :
MSVOA_N
ClientSampled :
MW-2

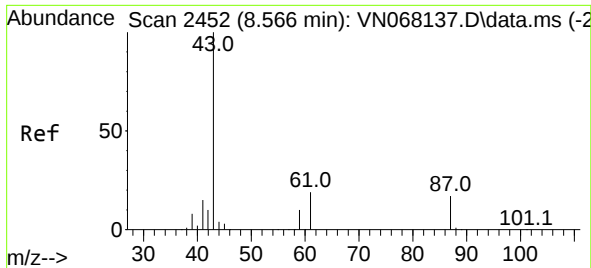
Tgt Ion: 75 Resp: 25778
Ion Ratio Lower Upper
75 100
110 9.5 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.027 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

Tgt Ion: 117 Resp: 37112
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.2#
121 0.0 23.5 35.3#

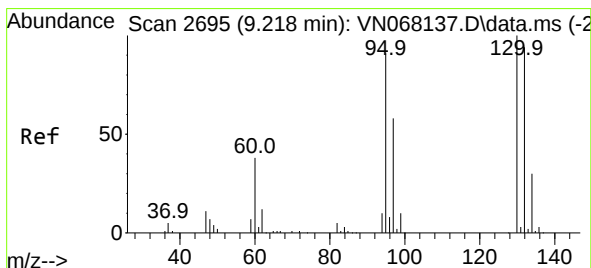
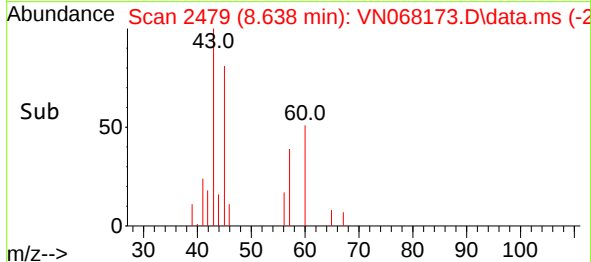
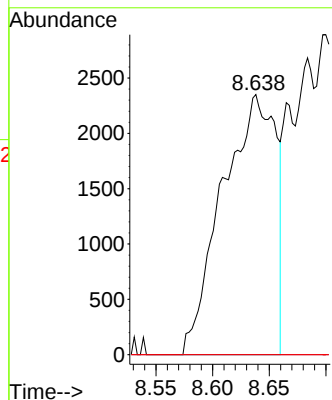
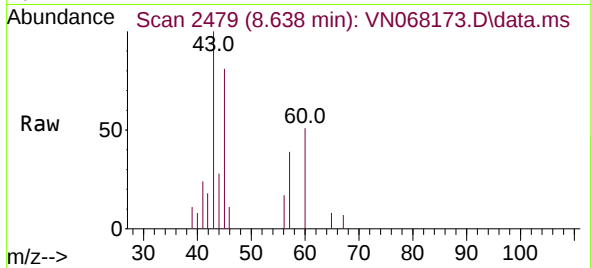




#43
Isopropyl Acetate
Concen: 1.058 ug/l
RT: 8.638 min Scan# 2479
Delta R.T. 0.072 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

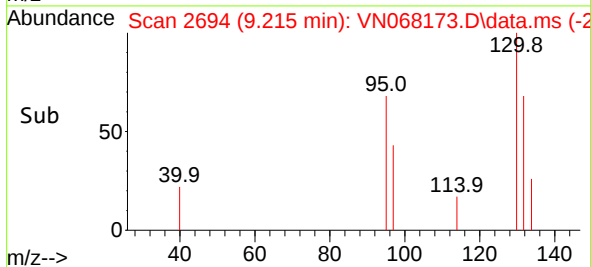
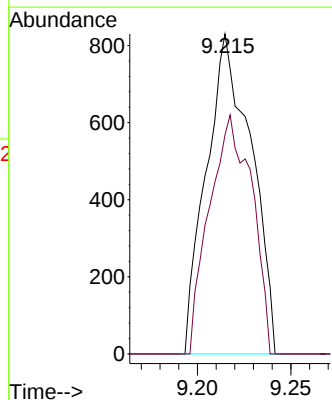
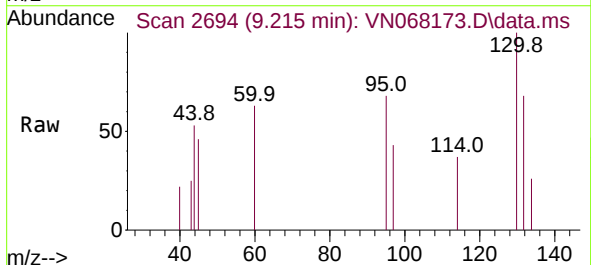
Instrument :
MSVOA_N
ClientSampled :
MW-2

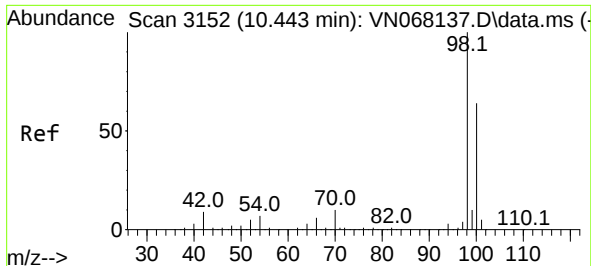
Tgt Ion: 43 Resp: 7707
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#44
Trichloroethene
Concen: 0.282 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.003 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

Tgt Ion: 130 Resp: 1382
Ion Ratio Lower Upper
130 100
95 68.4 0.0 234.4

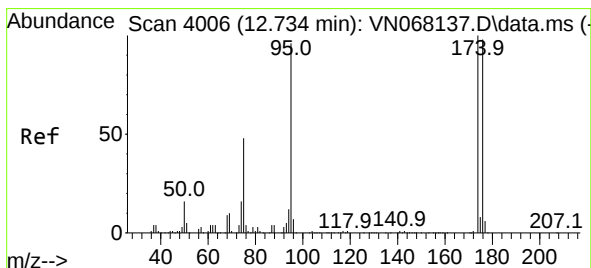
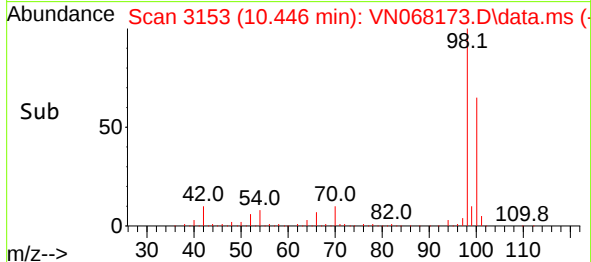
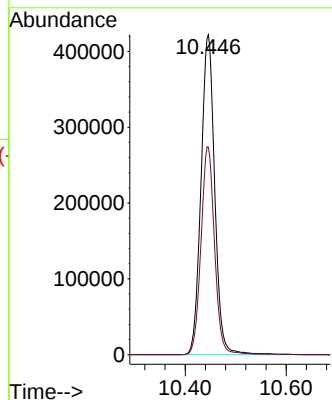
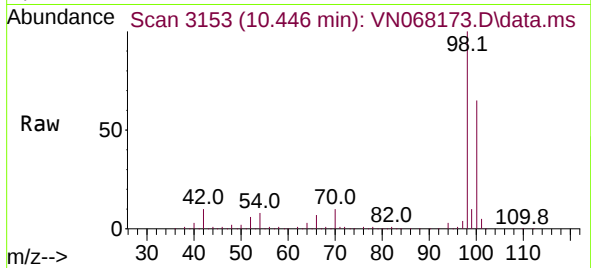




#50
Toluene-d8
Concen: 50.981 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

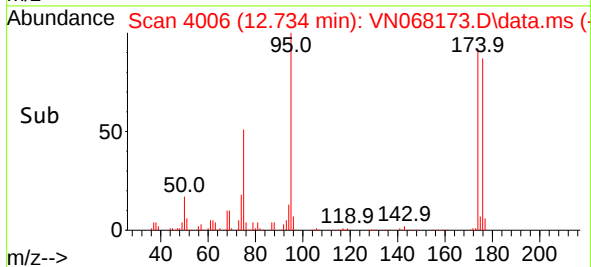
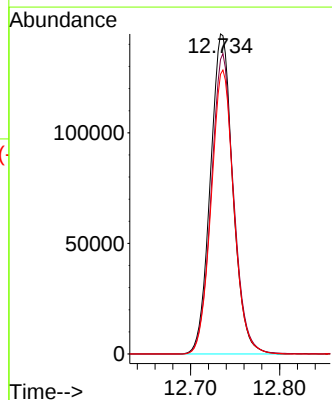
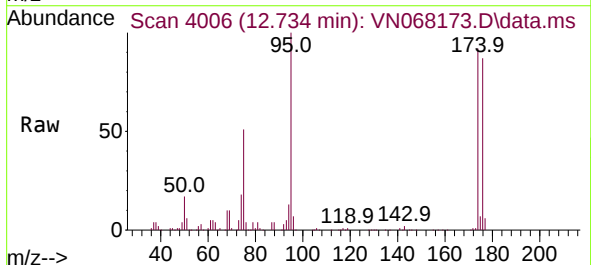
Instrument :
MSVOA_N
ClientSampled :
MW-2

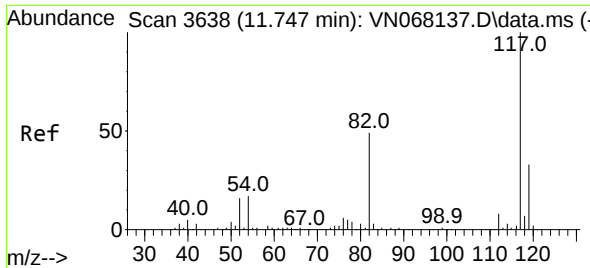
Tgt Ion: 98 Resp: 796542
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 48.888 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

Tgt Ion: 95 Resp: 254281
Ion Ratio Lower Upper
95 100
174 93.8 0.0 122.0
176 89.2 0.0 117.6

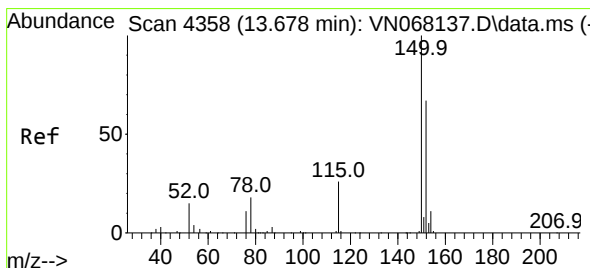
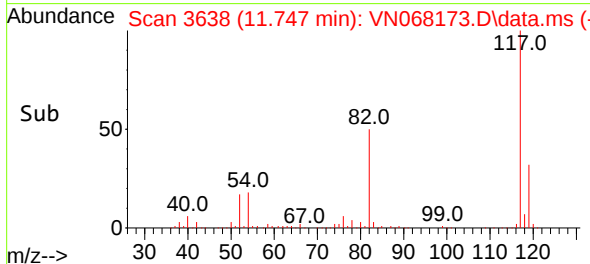
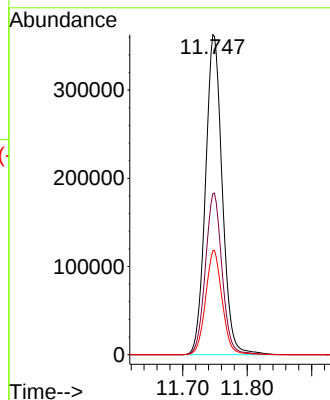
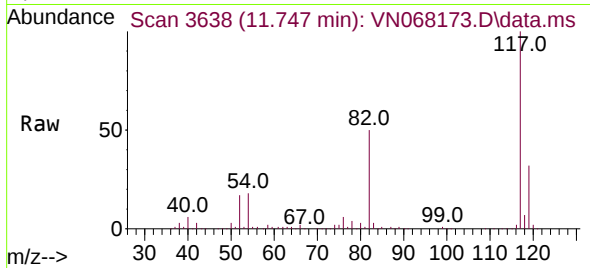




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

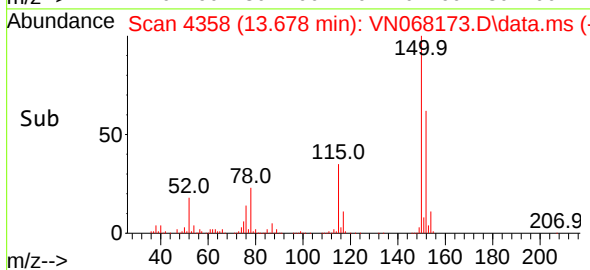
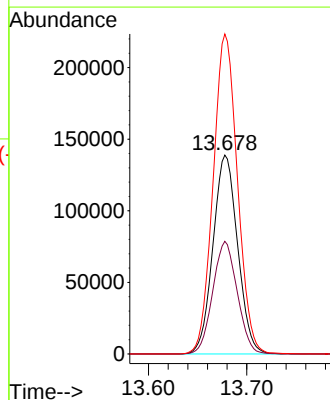
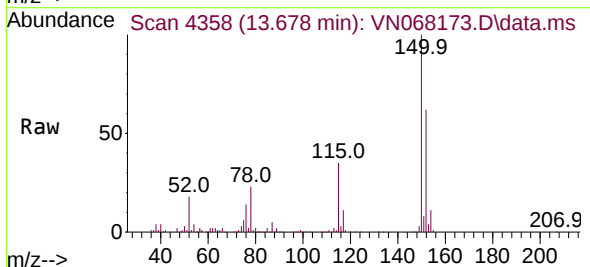
Instrument :
MSVOA_N
ClientSampleId :
MW-2

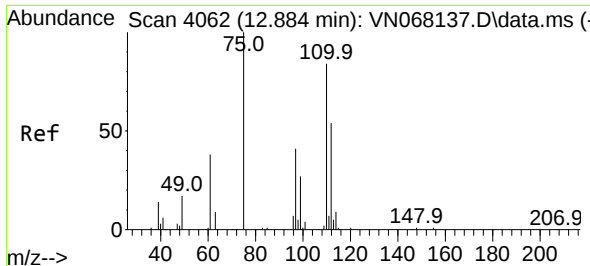
Tgt Ion:117 Resp: 657036
Ion Ratio Lower Upper
117 100
82 50.3 53.1 79.7#
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

Tgt Ion:152 Resp: 241822
Ion Ratio Lower Upper
152 100
115 56.3 36.1 108.5
150 158.9 0.0 351.8

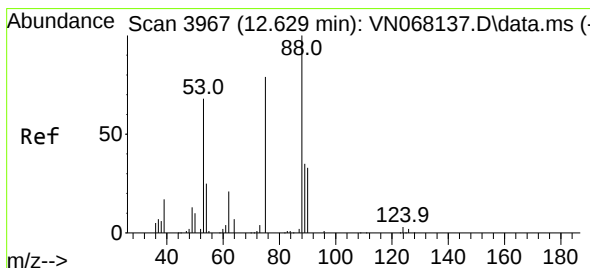
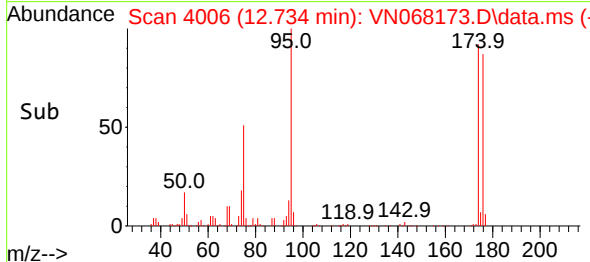
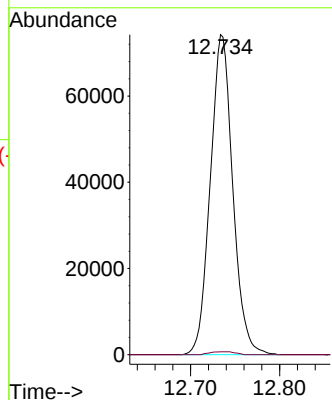
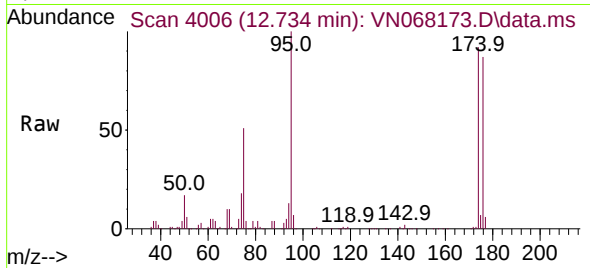




#76
1,2,3-Trichloropropane
Concen: 32.383 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

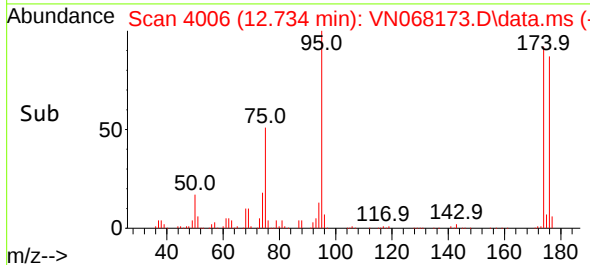
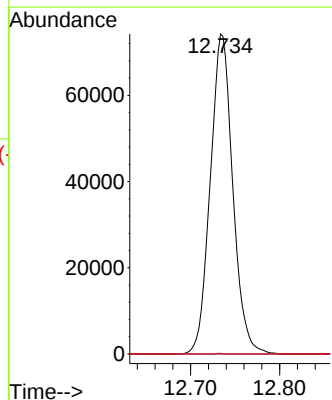
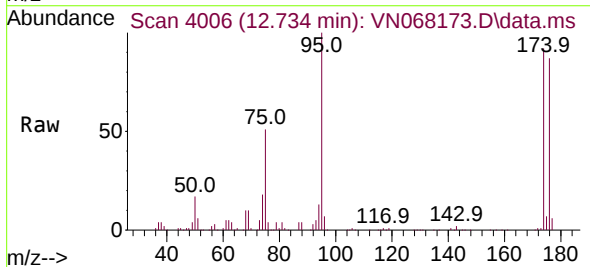
Instrument :
MSVOA_N
ClientSampled :
MW-2

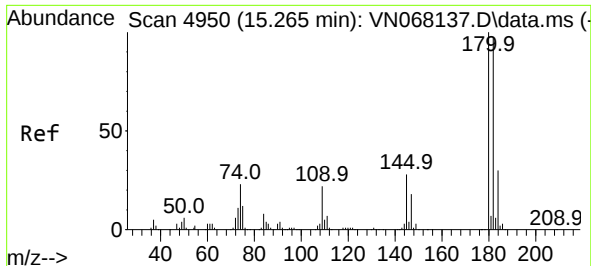
Tgt Ion: 75 Resp: 130156
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.090 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

Tgt Ion: 75 Resp: 130156
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

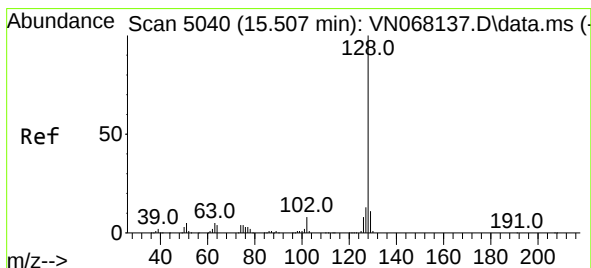
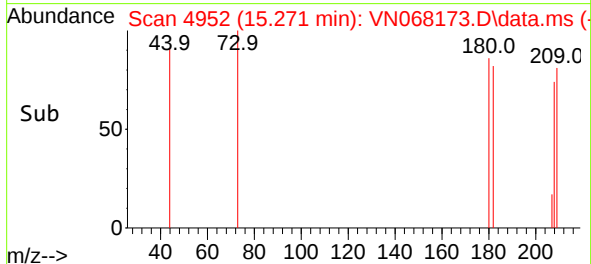
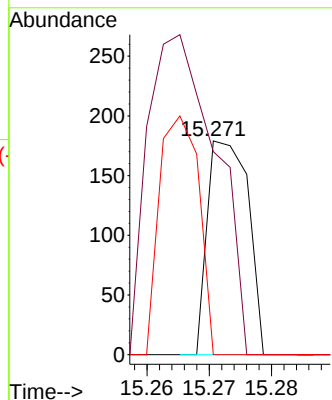
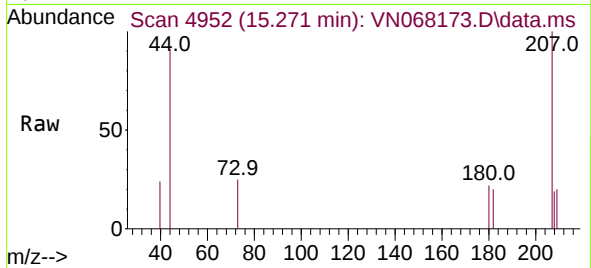




#93
1,2,4-Trichlorobenzene
Concen: 2.704 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

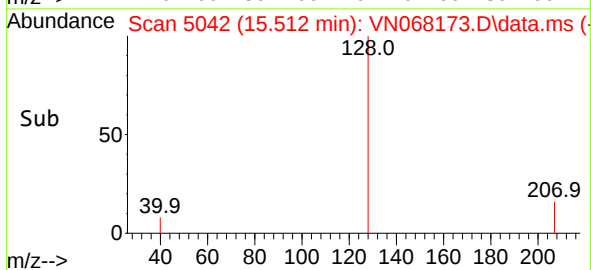
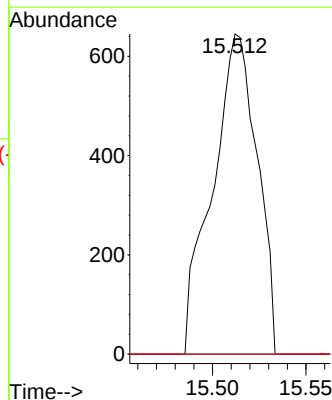
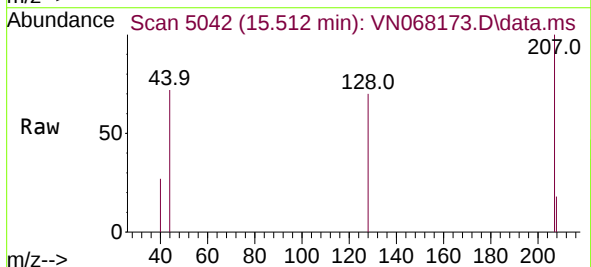
Instrument :
MSVOA_N
ClientSampled :
MW-2

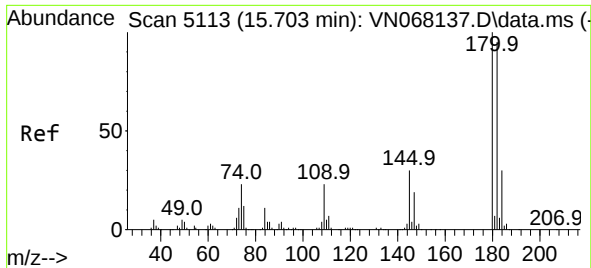
Tgt Ion:180 Resp: 81
Ion Ratio Lower Upper
180 100
182 250.6 47.5 142.5#
145 108.6 17.2 51.6#



#95
Naphthalene
Concen: 3.450 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068173.D
Acq: 18 Aug 2021 4:44

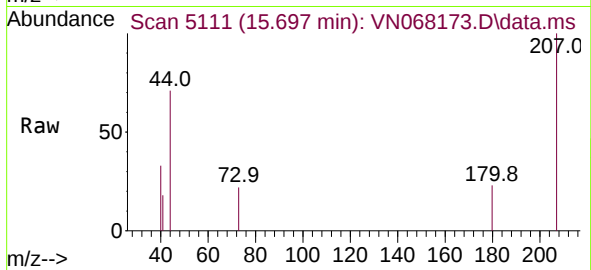
Tgt Ion:128 Resp: 1077
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.885 ug/l
 RT: 15.697 min Scan# 5111
 Delta R.T. -0.006 min
 Lab File: VN068173.D
 Acq: 18 Aug 2021 4:44

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2



Tgt Ion:180 Resp: 218
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 0.0 18.2 54.6#

