

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068175.D
 Acq On : 18 Aug 2021 5:33
 Operator : JC/MD
 Sample : M3410-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Aug 18 08:42:18 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)

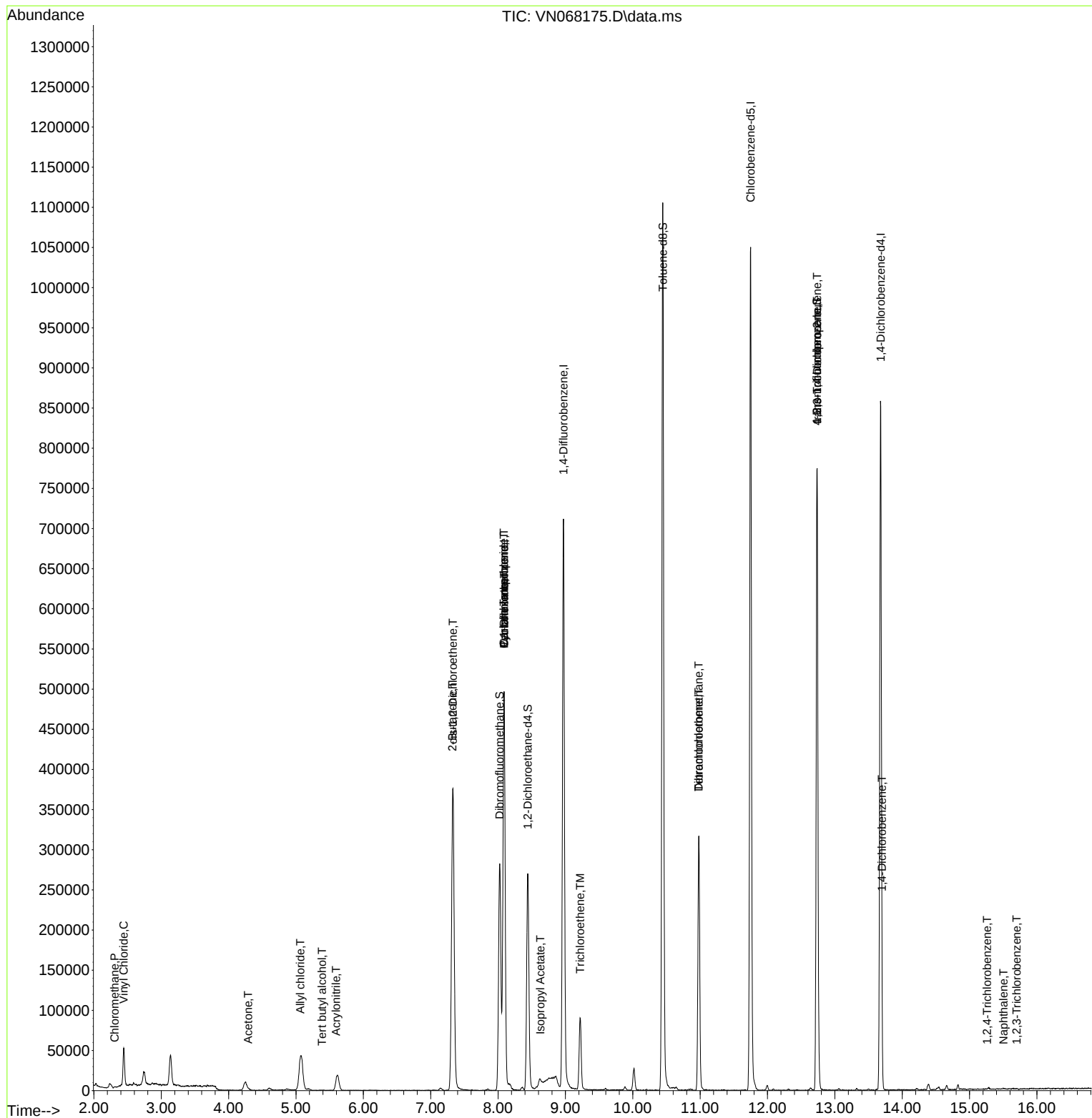
Internal Standards						
1) Pentafluorobenzene	8.091	168	415664	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	681878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	673034	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	258046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	229571	51.727	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.460%	
35) Dibromofluoromethane	8.024	113	211383	49.377	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.760%	
50) Toluene-d8	10.446	98	823403	50.478	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.960%	
62) 4-Bromofluorobenzene	12.733	95	264852	48.774	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	1114	0.299	ug/l	89
4) Vinyl Chloride	2.443	62	38116	6.537	ug/l	100
5) Bromomethane	2.848	94	86	Below Cal	#	4
6) Chloroethane	3.100	64	49	Below Cal	#	44
11) Tert butyl alcohol	5.385	59	219	0.396	ug/l	# 71
13) Acrolein	4.237	56	1097	Below Cal	#	47
14) Allyl chloride	5.063	41	10715	2.488	ug/l	# 82
15) Acrylonitrile	5.594	53	327	0.210	ug/l	# 19
16) Acetone	4.291	43	2455	1.895	ug/l	93
18) Methyl Acetate	4.862	43	2831	Below Cal	#	70
20) Methylene Chloride	5.076	84	1175	Below Cal	#	55
25) 2-Butanone	7.324	43	1979	0.980	ug/l	# 1
27) cis-1,2-Dichloroethene	7.329	96	253532	56.126	ug/l	68
31) Cyclohexane	8.091	56	8949	1.531	ug/l	# 14
36) 1,1-Dichloropropene	8.088	75	26242	4.708	ug/l	# 54
38) Carbon Tetrachloride	8.088	117	39134	6.087	ug/l	# 18
43) Isopropyl Acetate	8.627	43	4718	0.620	ug/l	# 58
44) Trichloroethene	9.217	130	36000	7.037	ug/l	80
60) Dibromochloromethane	10.979	129	72333	13.833	ug/l	# 11
64) Tetrachloroethene	10.979	164	76792	14.756	ug/l	90
76) 1,2,3-Trichloropropane	12.736	75	134829	31.436	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	134829	102.990	ug/l	# 6
88) 1,4-Dichlorobenzene	13.699	146	2565	0.294	ug/l	# 11
93) 1,2,4-Trichlorobenzene	15.260	180	24	2.690	ug/l	# 1
95) Naphthalene	15.504	128	578	3.398	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.700	180	51	2.843	ug/l	# 61

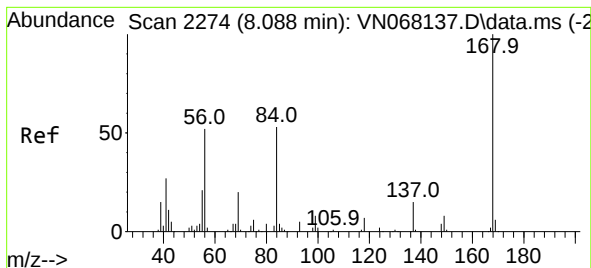
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. 0.003 min

Lab File: VN068175.D

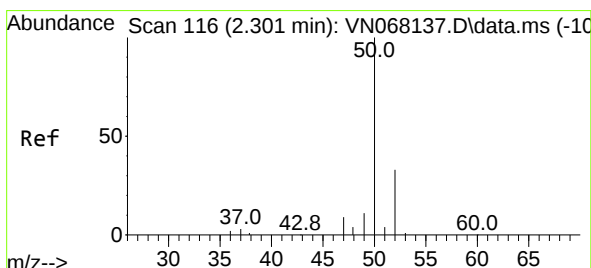
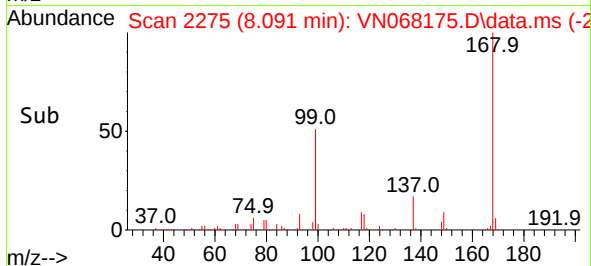
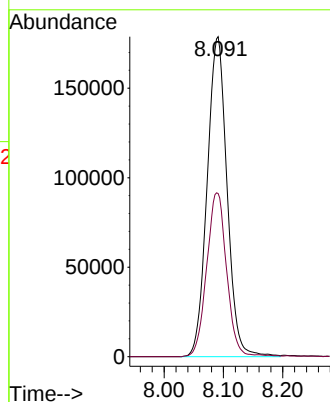
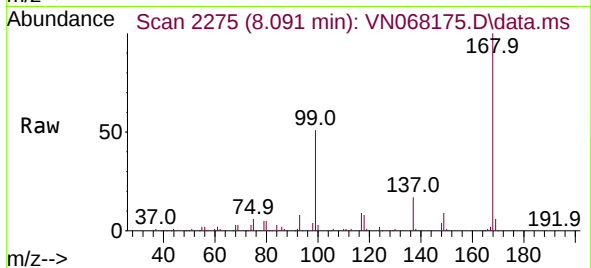
Acq: 18 Aug 2021 5:33

Tgt Ion:168 Resp: 415664

Ion Ratio Lower Upper

168 100

99 51.0 62.9 94.3#



#3

Chloromethane

Concen: 0.299 ug/l

RT: 2.306 min Scan# 118

Delta R.T. 0.005 min

Lab File: VN068175.D

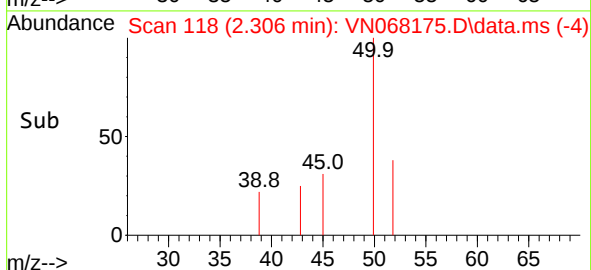
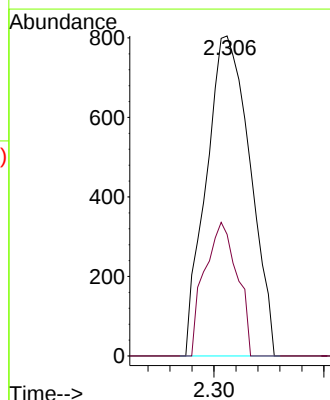
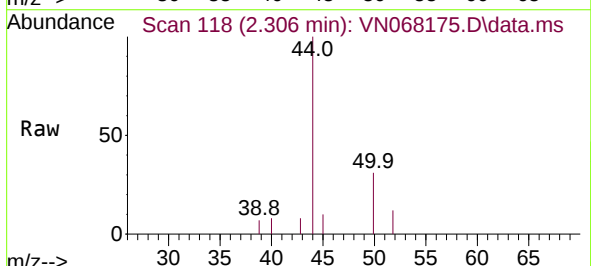
Acq: 18 Aug 2021 5:33

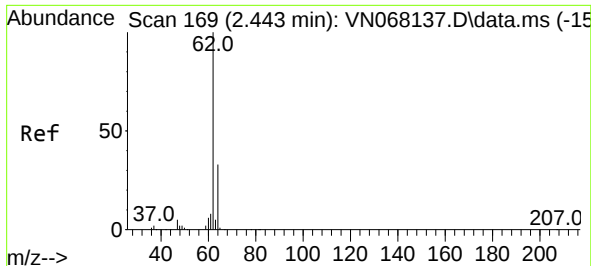
Tgt Ion: 50 Resp: 1114

Ion Ratio Lower Upper

50 100

52 38.0 25.6 38.4

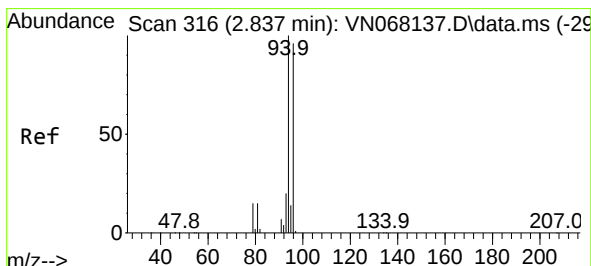
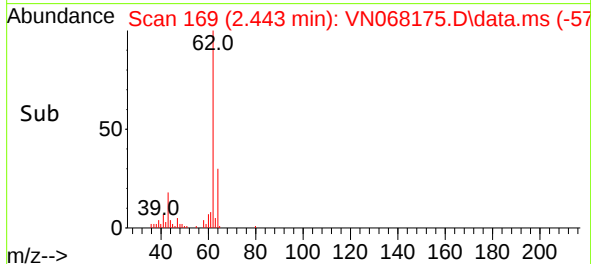
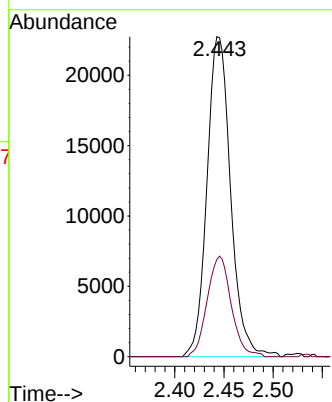
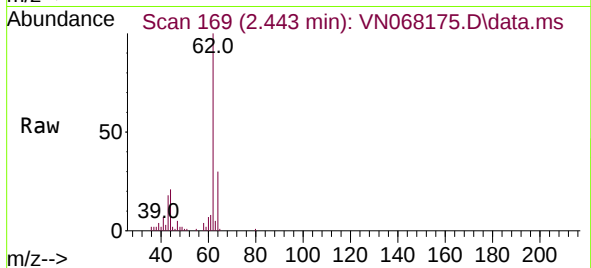




#4
 Vinyl Chloride
 Concen: 6.537 ug/l
 RT: 2.443 min Scan# 169
 Delta R.T. -0.000 min
 Lab File: VN068175.D
 Acq: 18 Aug 2021 5:33

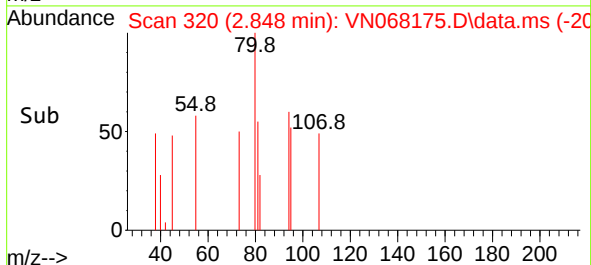
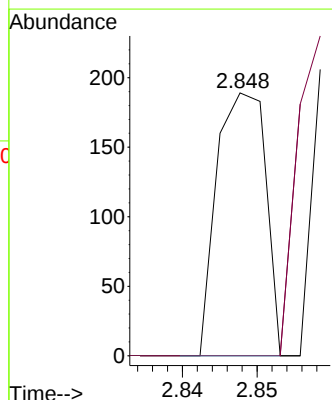
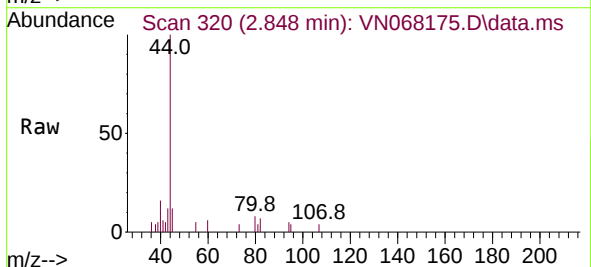
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

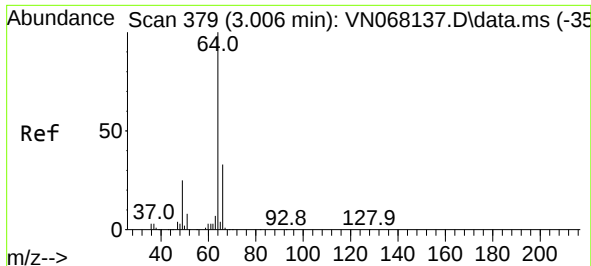
Tgt Ion: 62 Resp: 38116
 Ion Ratio Lower Upper
 62 100
 64 30.4 24.4 36.6



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.848 min Scan# 320
 Delta R.T. 0.011 min
 Lab File: VN068175.D
 Acq: 18 Aug 2021 5:33

Tgt Ion: 94 Resp: 86
 Ion Ratio Lower Upper
 94 100
 96 0.0 73.7 110.5#

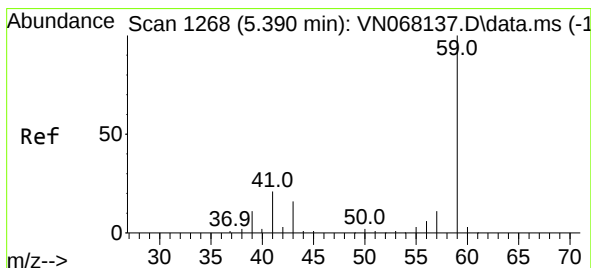
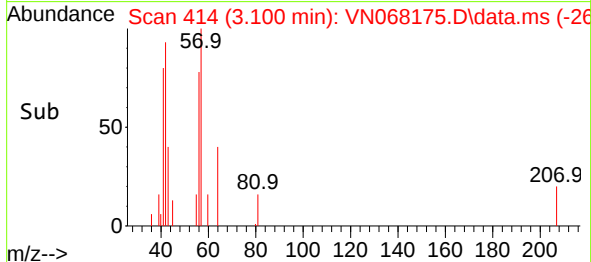
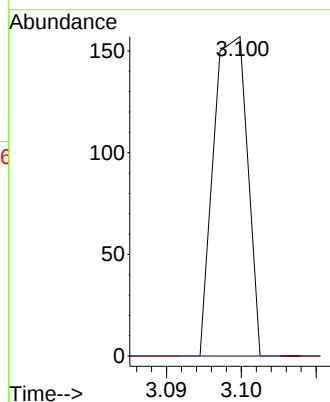
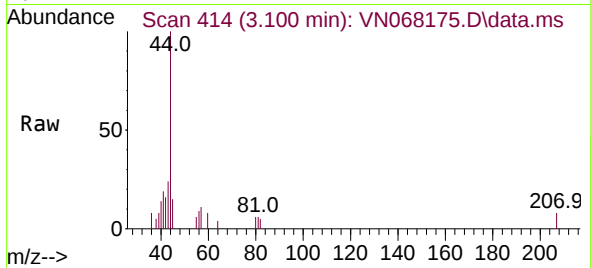




#6
Chloroethane
Concen: Below Cal
RT: 3.100 min Scan# 414
Delta R.T. 0.094 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

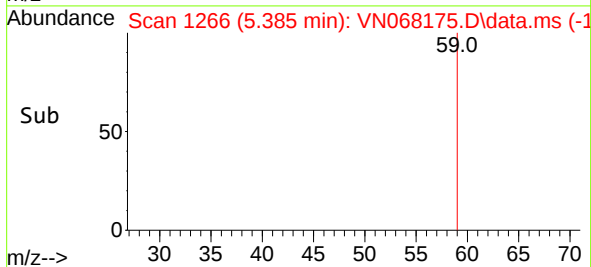
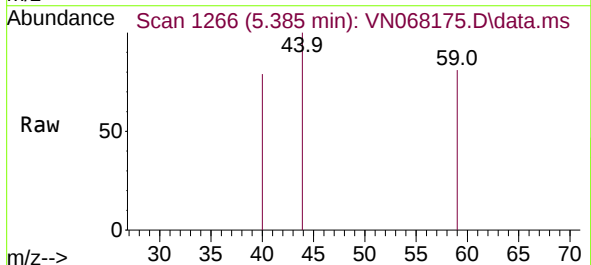
Instrument :
MSVOA_N
ClientSampled :
MW-1

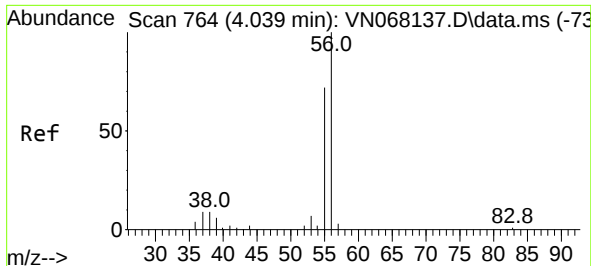
Tgt Ion: 64 Resp: 49
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.396 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.005 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Tgt Ion: 59 Resp: 219
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

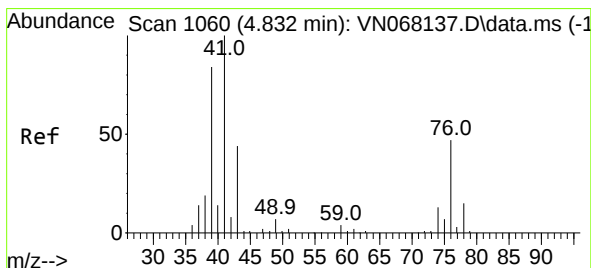
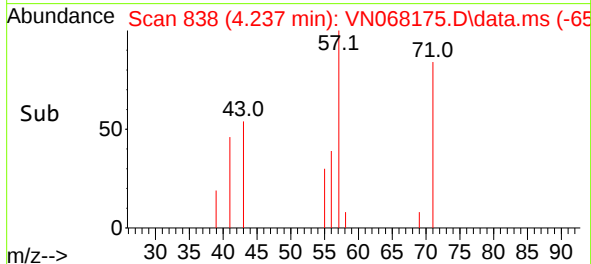
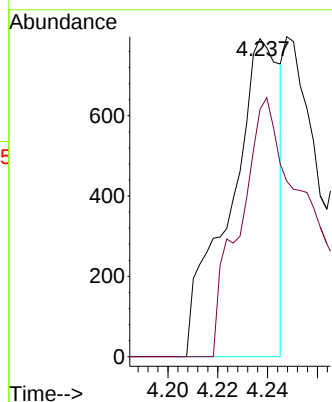
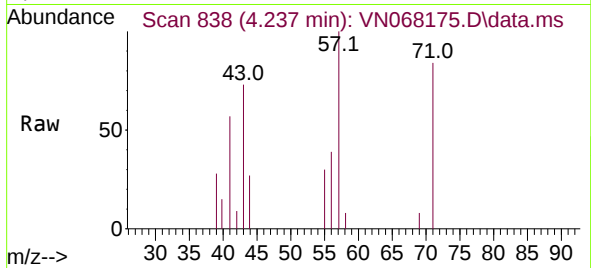




#13
Acrolein
Concen: Below Cal
RT: 4.237 min Scan# 838
Delta R.T. 0.198 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

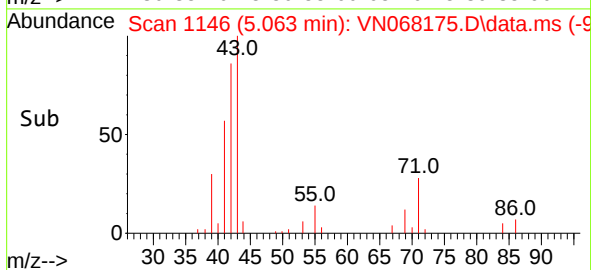
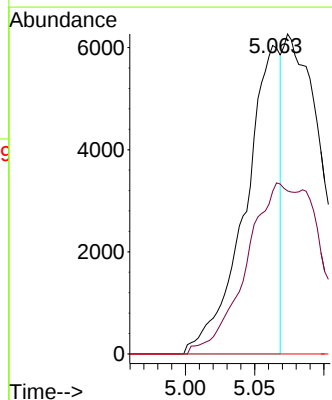
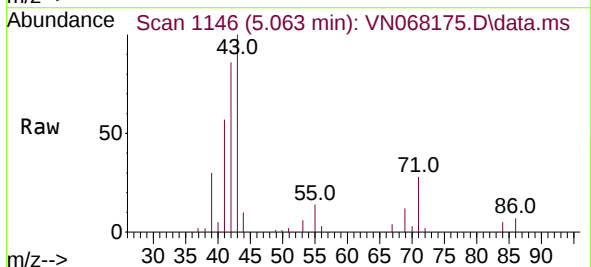
Instrument :
MSVOA_N
ClientSampled :
MW-1

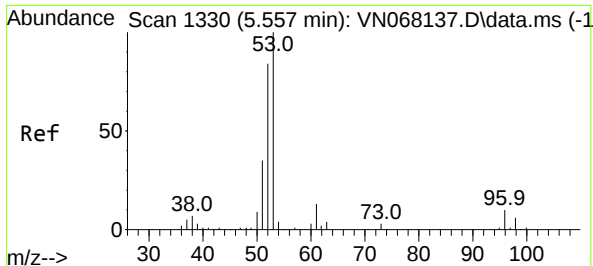
Tgt Ion: 56 Resp: 1097
Ion Ratio Lower Upper
56 100
55 115.4 57.4 86.0#



#14
Allyl chloride
Concen: 2.488 ug/l
RT: 5.063 min Scan# 1146
Delta R.T. 0.231 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Tgt Ion: 41 Resp: 10715
Ion Ratio Lower Upper
41 100
39 73.9 60.9 91.3
76 0.0 24.3 36.5#

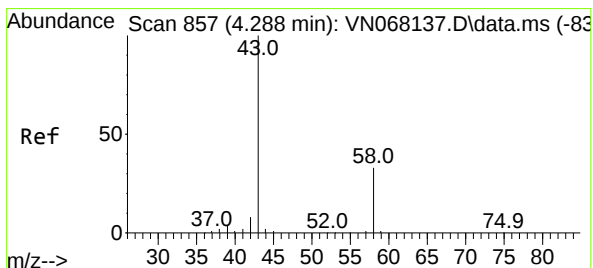
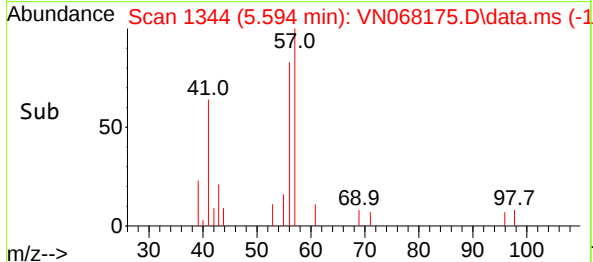
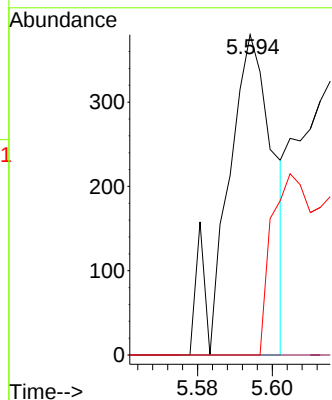
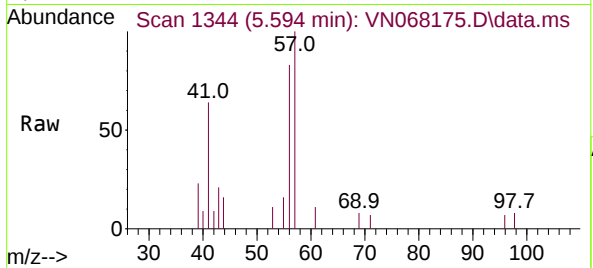




#15
Acrylonitrile
Concen: 0.210 ug/l
RT: 5.594 min Scan# 1344
Delta R.T. 0.037 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

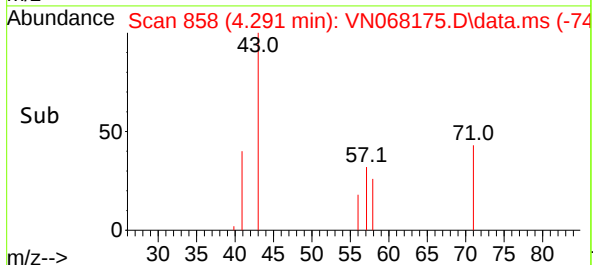
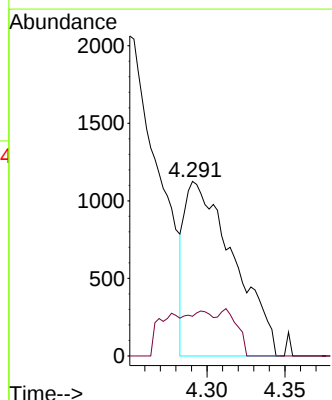
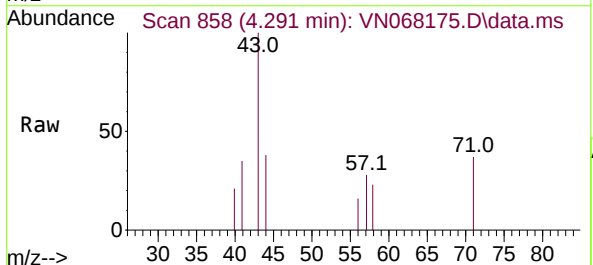
Instrument :
MSVOA_N
ClientSampled :
MW-1

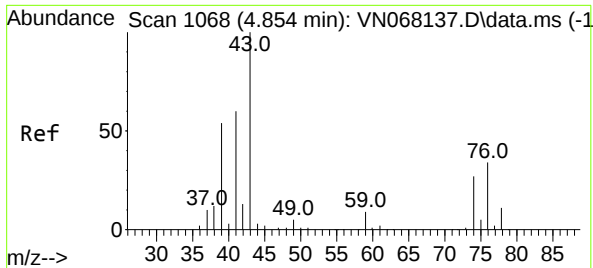
Tgt Ion: 53 Resp: 327
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.2#
51 71.3 30.2 45.4#



#16
Acetone
Concen: 1.895 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Tgt Ion: 43 Resp: 2455
Ion Ratio Lower Upper
43 100
58 22.8 21.2 31.8

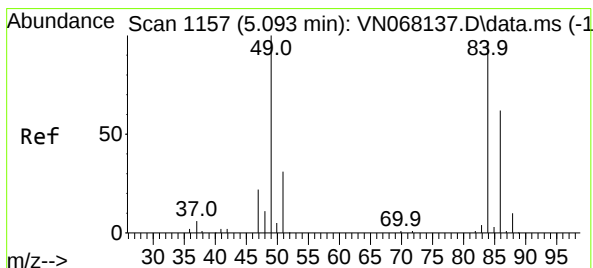
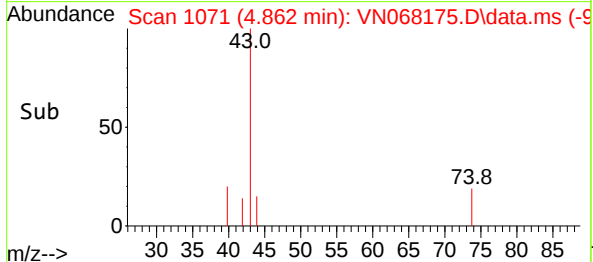
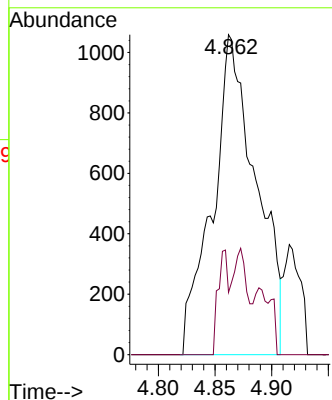
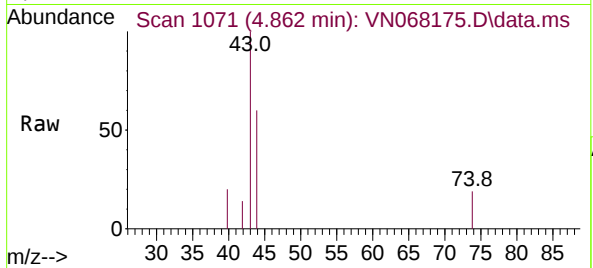




#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

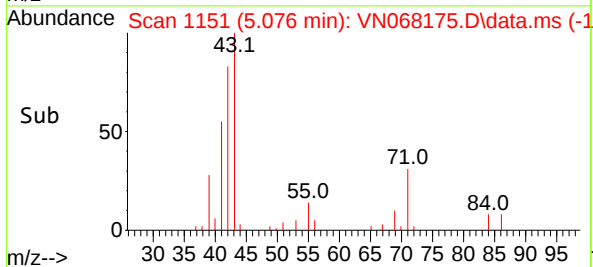
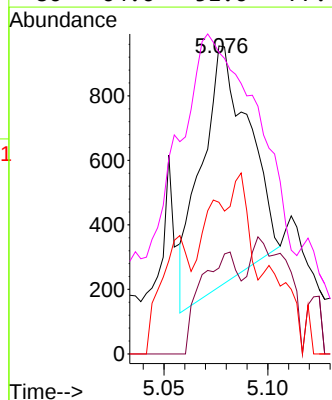
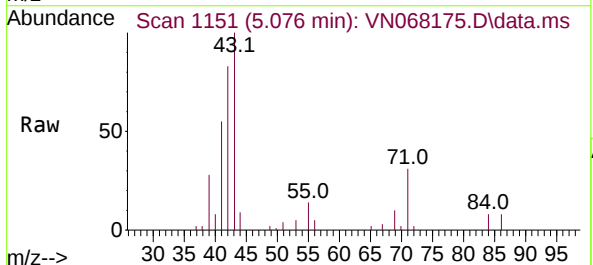
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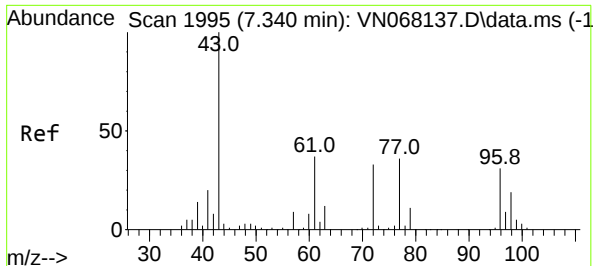
Tgt Ion: 43 Resp: 2831
Ion Ratio Lower Upper
43 100
74 7.5 17.4 26.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.076 min Scan# 1151
Delta R.T. -0.017 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Tgt Ion: 84 Resp: 1175
Ion Ratio Lower Upper
84 100
49 42.8 110.9 166.3#
51 41.9 32.6 49.0
86 64.6 51.6 77.4

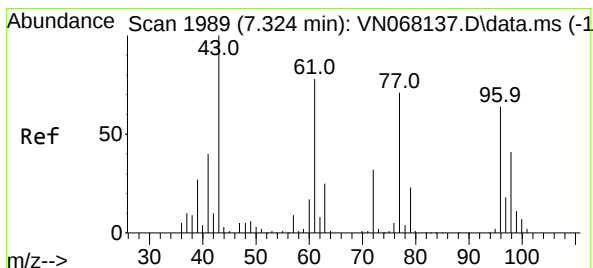
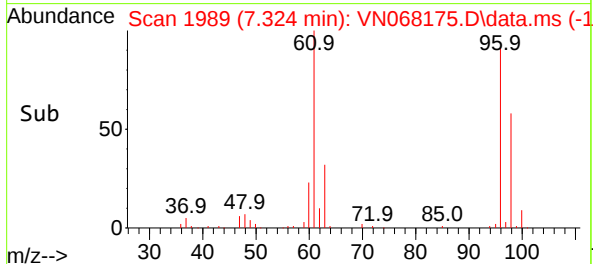
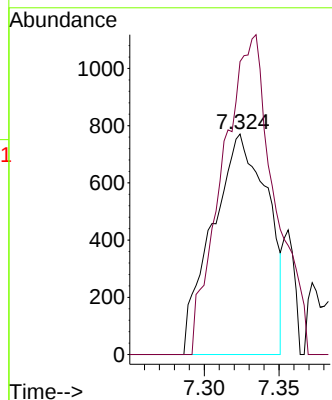
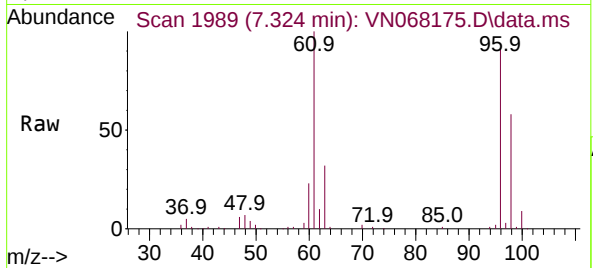




#25
2-Butanone
Concen: 0.980 ug/l
RT: 7.324 min Scan# 1989
Delta R.T. -0.016 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

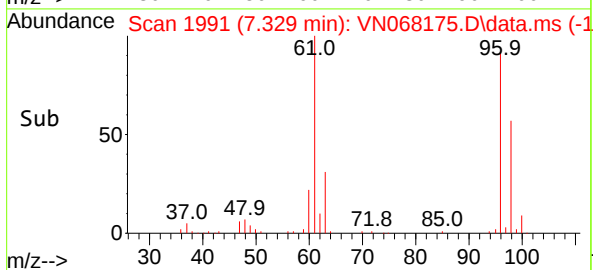
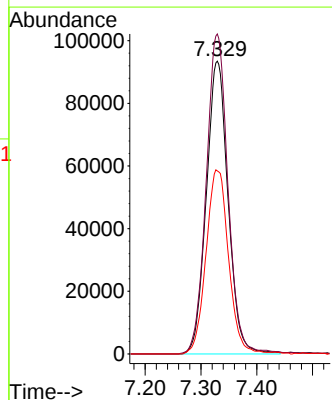
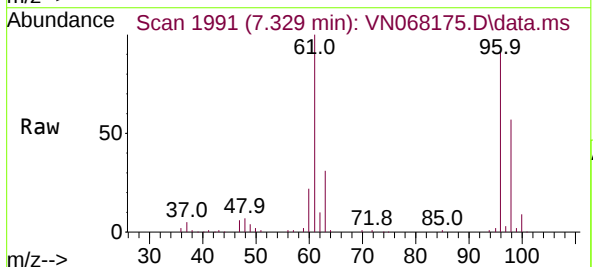
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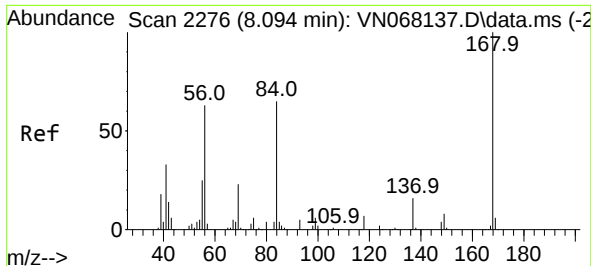
Tgt Ion: 43 Resp: 1979
Ion Ratio Lower Upper
43 100
72 132.8 19.7 29.5#



#27
cis-1,2-Dichloroethene
Concen: 56.126 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. 0.005 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Tgt Ion: 96 Resp: 253532
Ion Ratio Lower Upper
96 100
61 109.6 0.0 338.8
98 64.5 0.0 129.8

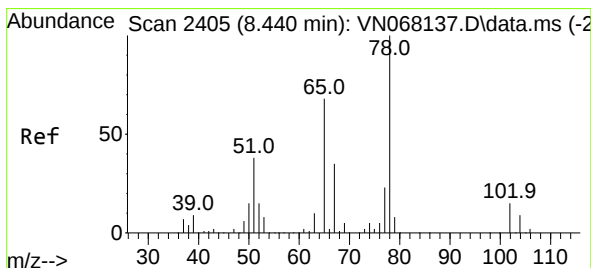
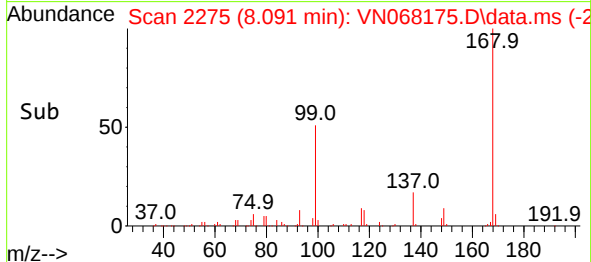
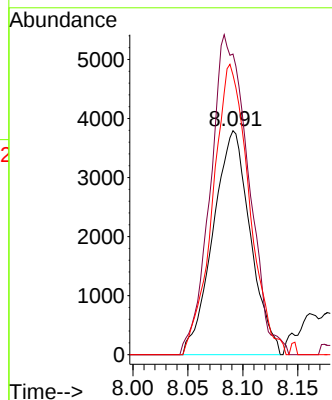
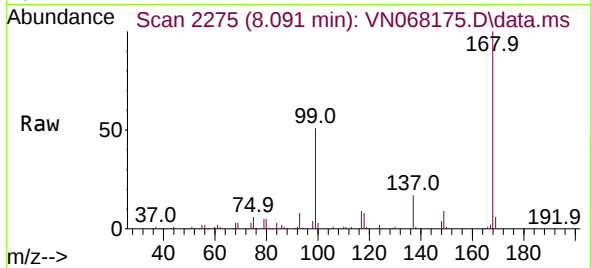




#31
Cyclohexane
Concen: 1.531 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

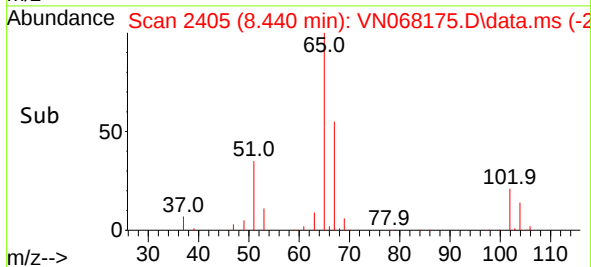
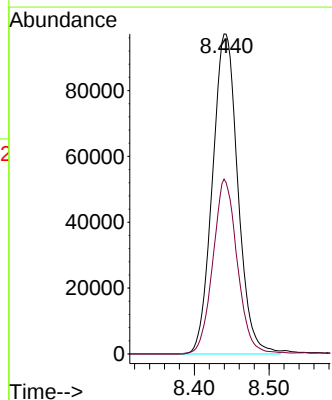
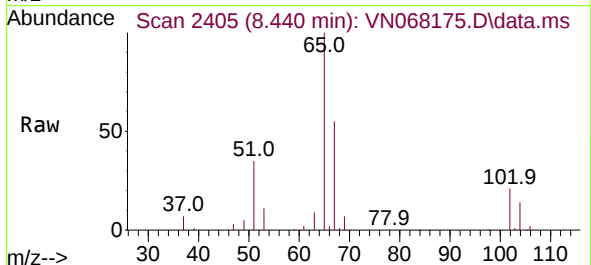
Instrument :
MSVOA_N
ClientSampled :
MW-1

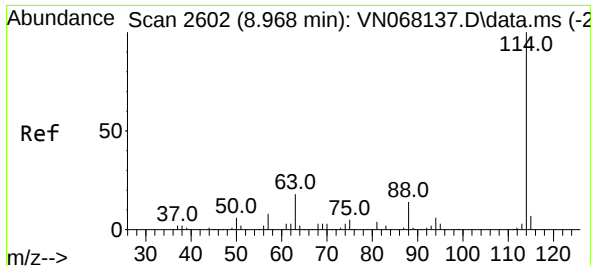
Tgt Ion: 56 Resp: 8949
Ion Ratio Lower Upper
56 100
69 134.2 27.3 40.9#
84 124.8 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 51.727 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Tgt Ion: 65 Resp: 229571
Ion Ratio Lower Upper
65 100
67 52.5 0.0 98.6

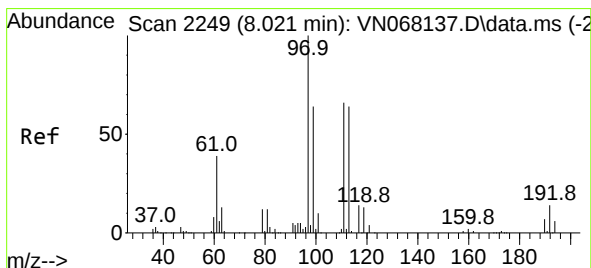
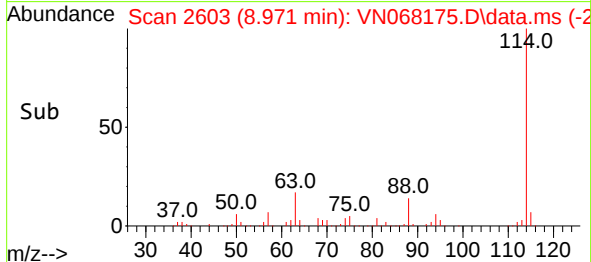
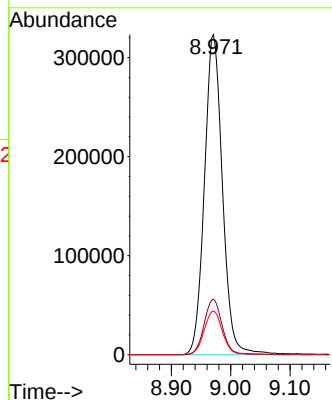
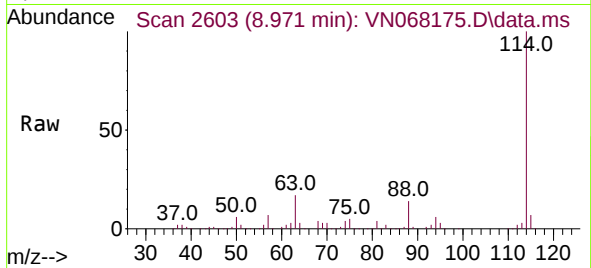




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

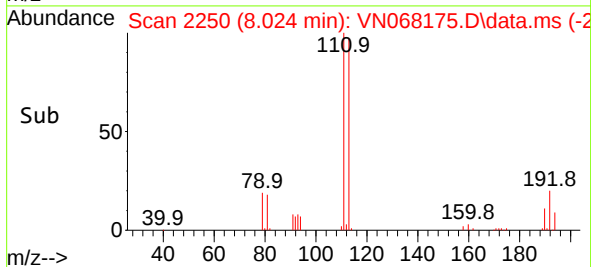
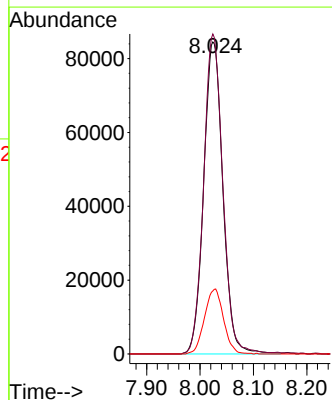
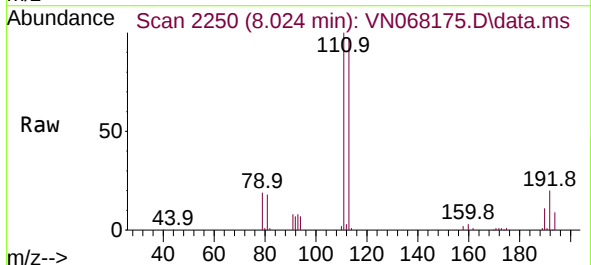
Instrument :
MSVOA_N
ClientSampleId :
MW-1

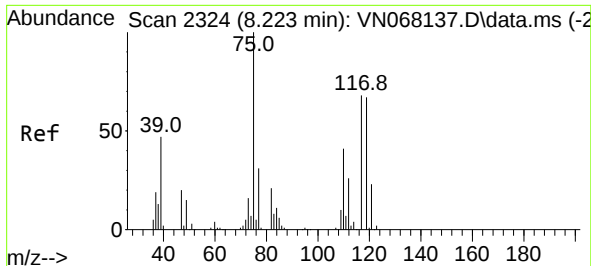
Tgt Ion:114 Resp: 681878
Ion Ratio Lower Upper
114 100
63 17.3 0.0 49.0
88 13.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.377 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Tgt Ion:113 Resp: 211383
Ion Ratio Lower Upper
113 100
111 101.9 83.8 125.8
192 20.6 13.4 20.0#

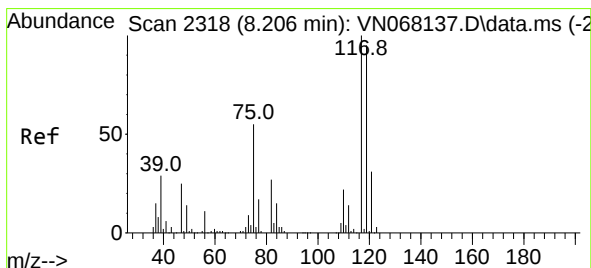
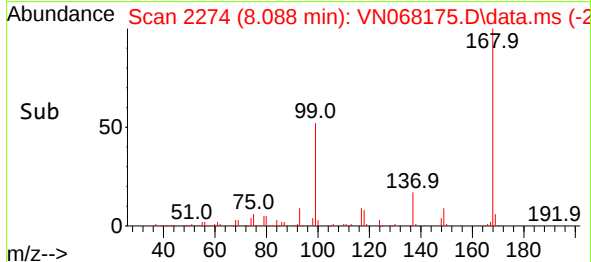
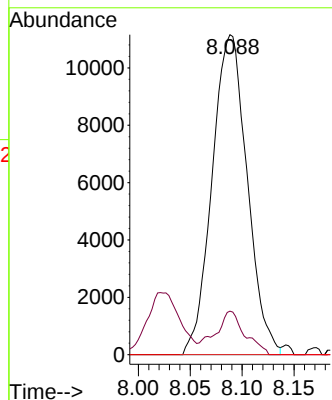
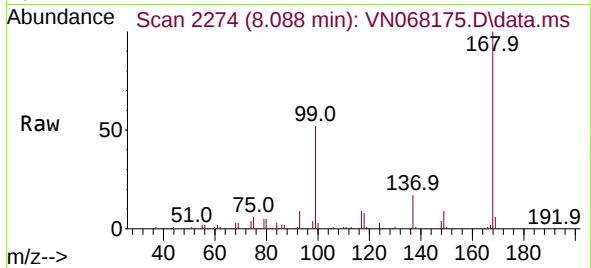




#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.135 min
 Lab File: VN068175.D
 Acq: 18 Aug 2021 5:33

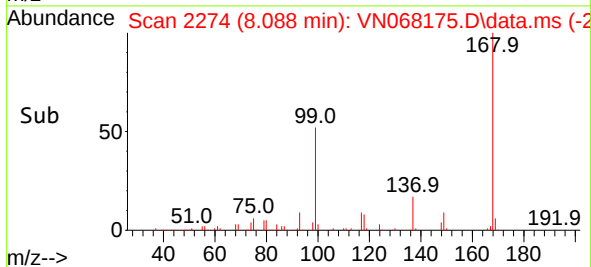
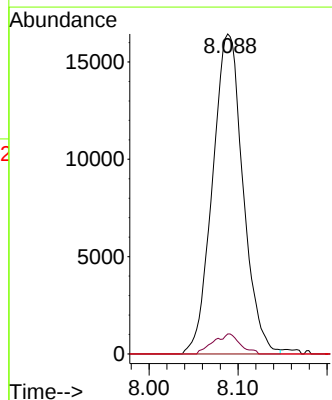
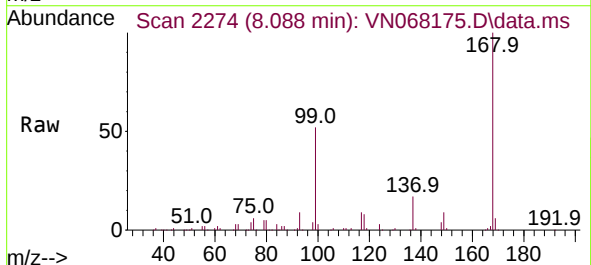
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

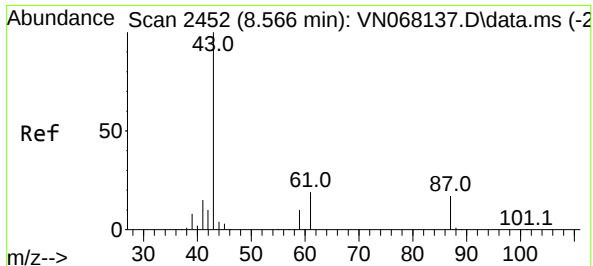
Tgt Ion: 75 Resp: 26242
 Ion Ratio Lower Upper
 75 100
 110 11.6 15.7 47.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.087 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.118 min
 Lab File: VN068175.D
 Acq: 18 Aug 2021 5:33

Tgt Ion: 117 Resp: 39134
 Ion Ratio Lower Upper
 117 100
 119 6.3 75.4 113.2#
 121 0.0 23.5 35.3#

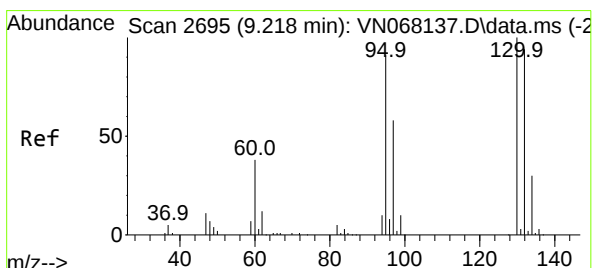
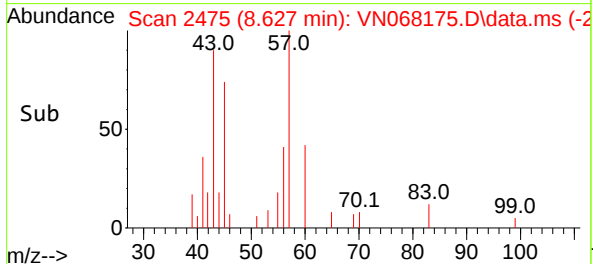
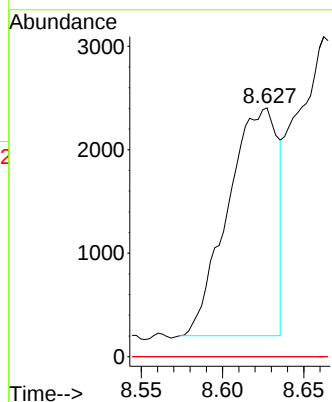
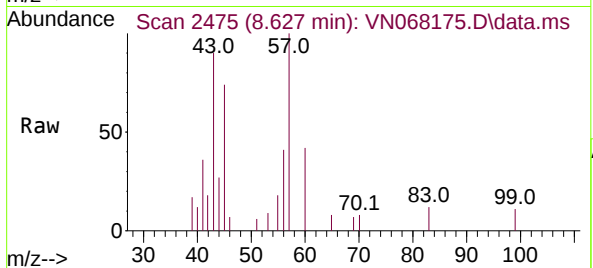




#43
Isopropyl Acetate
Concen: 0.620 ug/l
RT: 8.627 min Scan# 2475
Delta R.T. 0.061 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

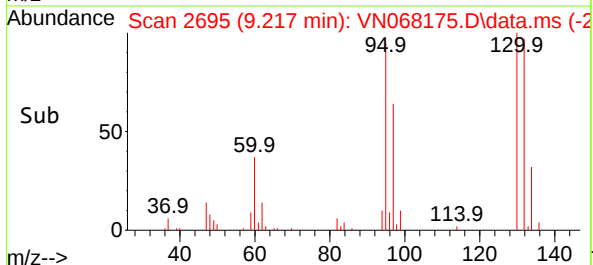
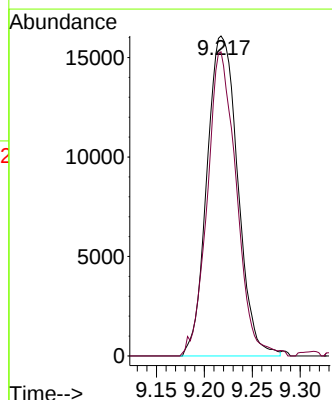
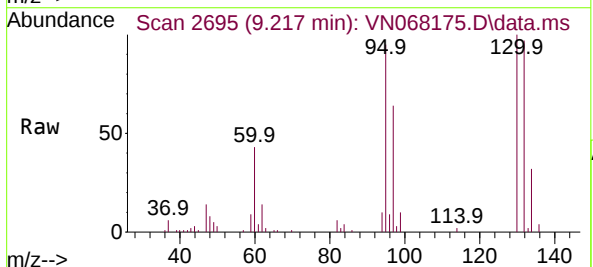
Instrument :
MSVOA_N
ClientSampled :
MW-1

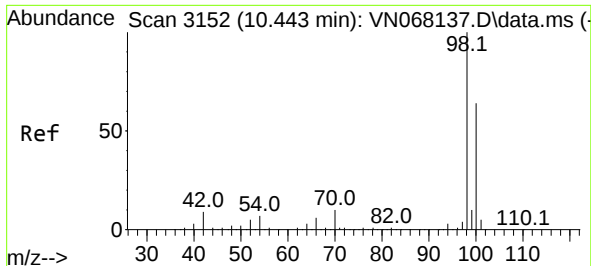
Tgt Ion: 43 Resp: 4718
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#44
Trichloroethene
Concen: 7.037 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.001 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Tgt Ion: 130 Resp: 36000
Ion Ratio Lower Upper
130 100
95 95.1 0.0 234.4

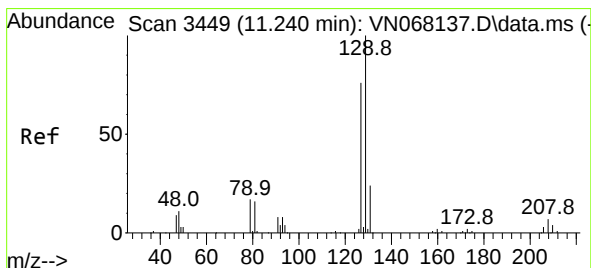
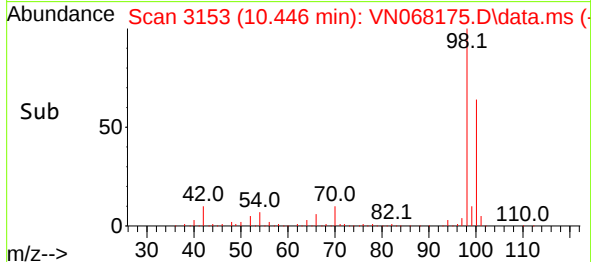
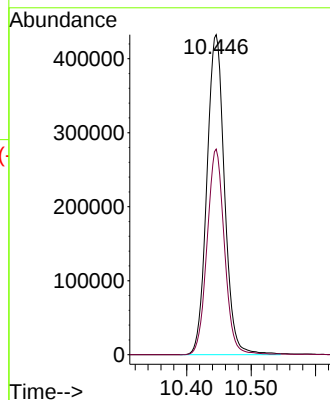
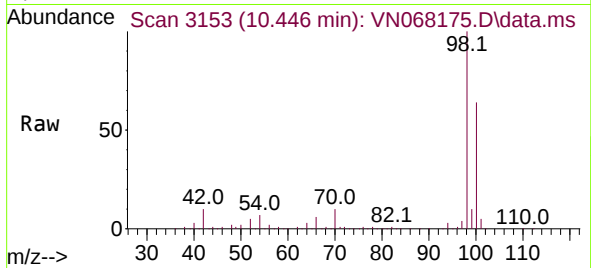




#50
Toluene-d8
Concen: 50.478 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

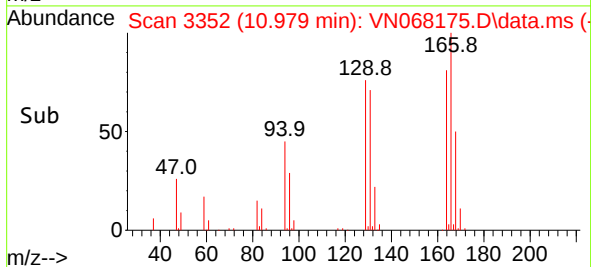
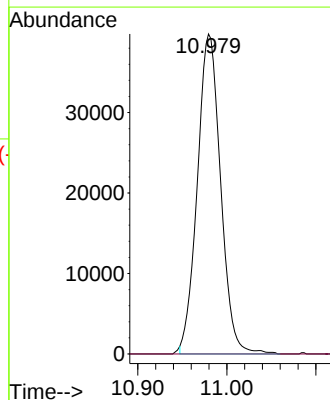
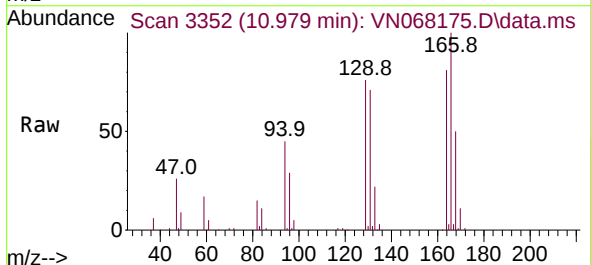
Instrument :
MSVOA_N
ClientSampled :
MW-1

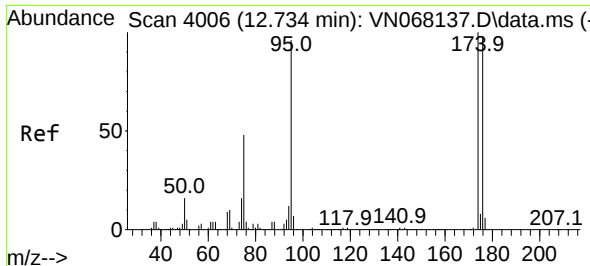
Tgt Ion: 98 Resp: 823403
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#60
Dibromochloromethane
Concen: 13.833 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Tgt Ion:129 Resp: 72333
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

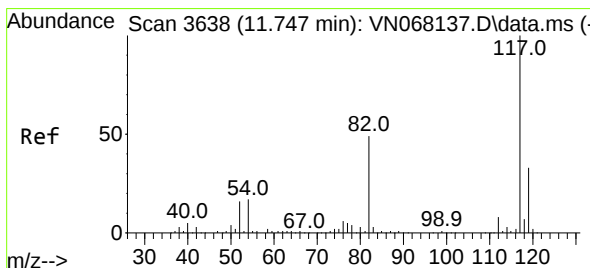
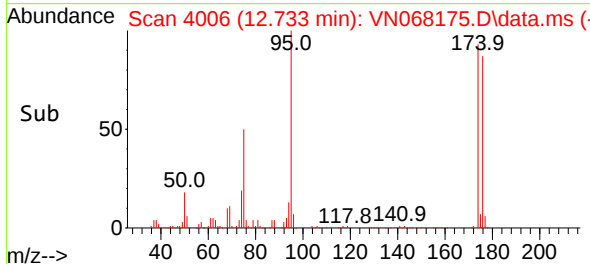
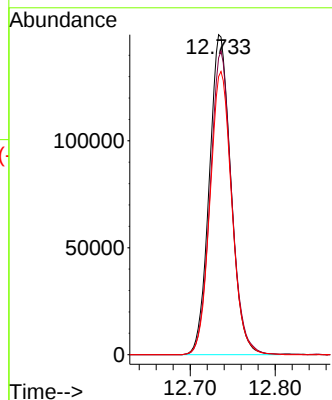
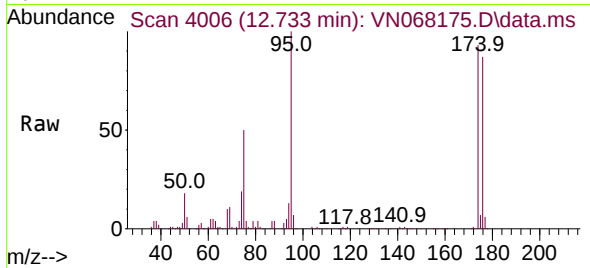




#62
4-Bromofluorobenzene
Concen: 48.774 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

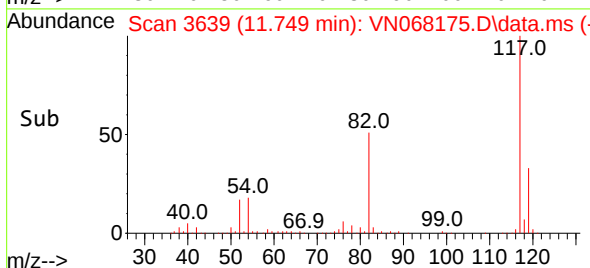
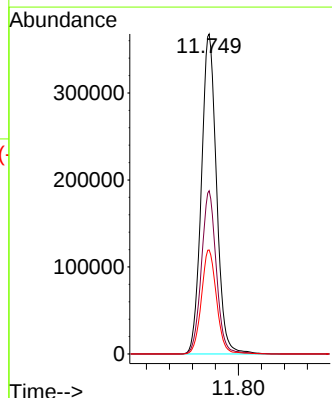
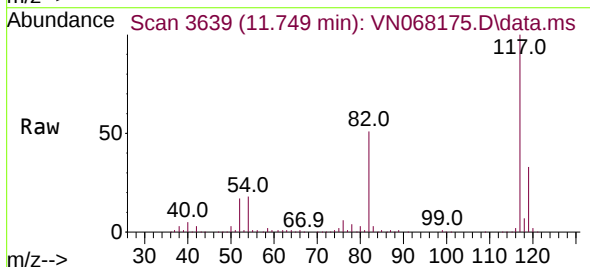
Instrument :
MSVOA_N
ClientSampleId :
MW-1

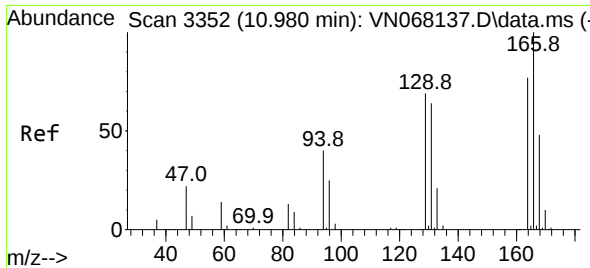
Tgt Ion: 95 Resp: 264852
Ion Ratio Lower Upper
95 100
174 94.0 0.0 122.0
176 89.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Tgt Ion: 117 Resp: 673034
Ion Ratio Lower Upper
117 100
82 51.0 53.1 79.7#
119 32.5 25.5 38.3



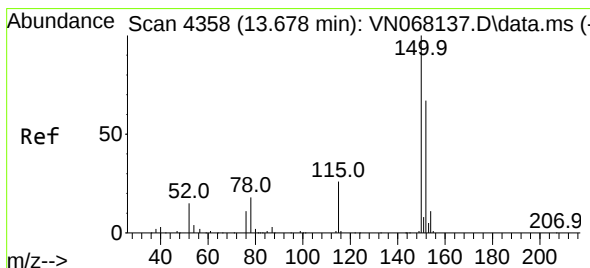
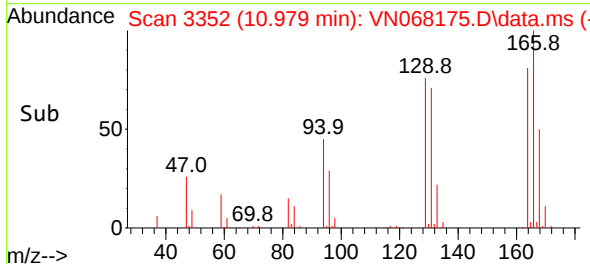
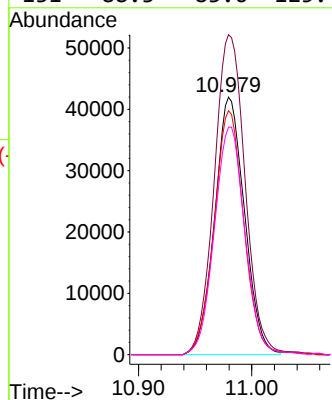
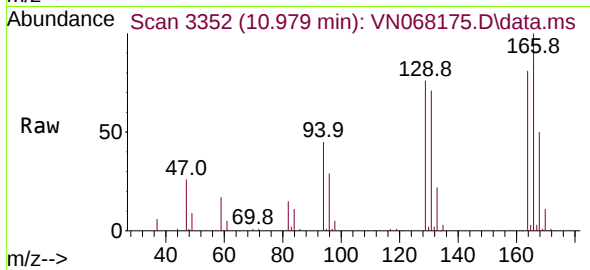


#64
Tetrachloroethene
Concen: 14.756 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.001 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:164 Resp: 76792

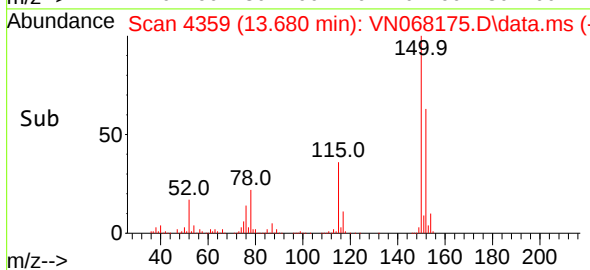
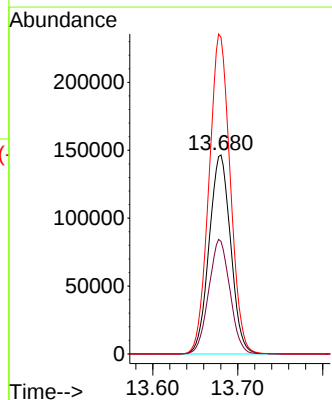
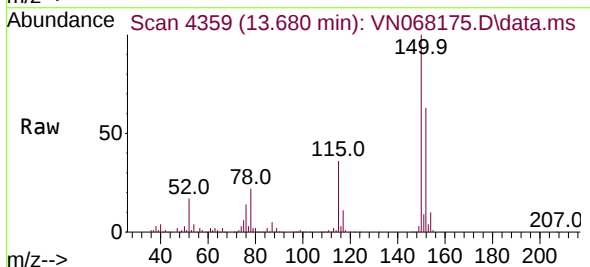
Ion	Ratio	Lower	Upper
164	100		
166	124.2	102.1	153.1
129	94.7	86.9	130.3
131	88.3	83.6	125.4

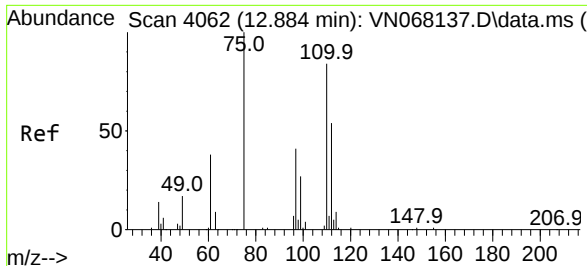


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.002 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Tgt Ion:152 Resp: 258046

Ion	Ratio	Lower	Upper
152	100		
115	56.7	36.1	108.5
150	158.3	0.0	351.8

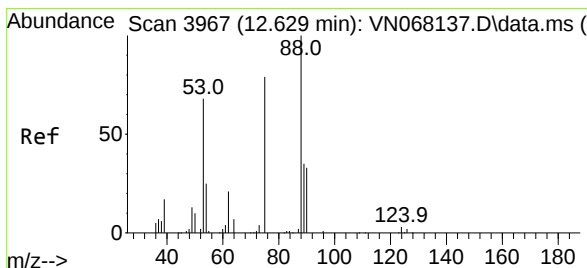
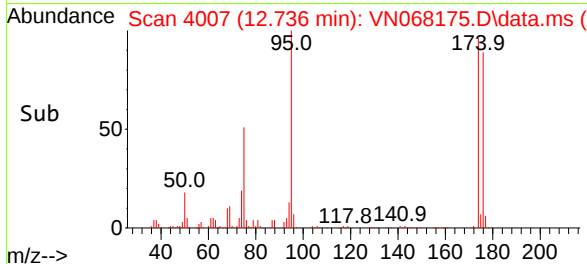
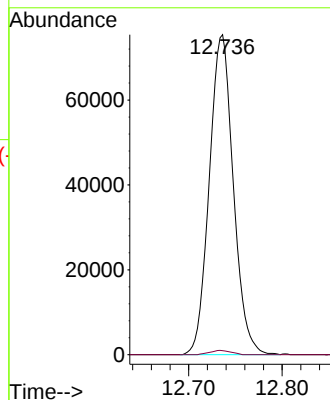
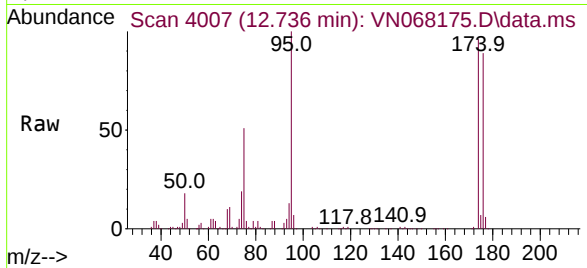




#76
1,2,3-Trichloropropane
Concen: 31.436 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

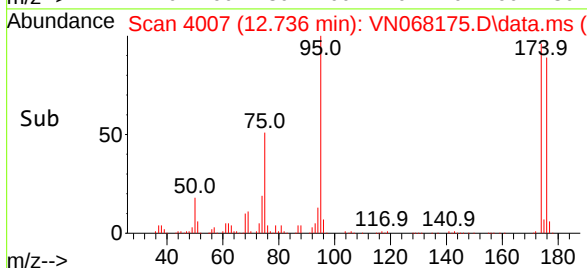
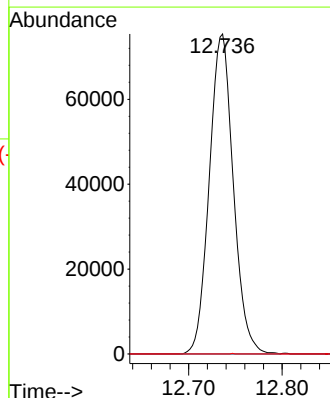
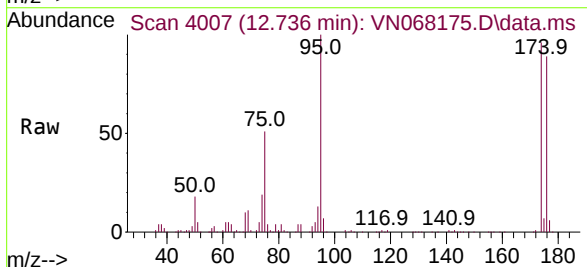
Instrument :
MSVOA_N
ClientSampled :
MW-1

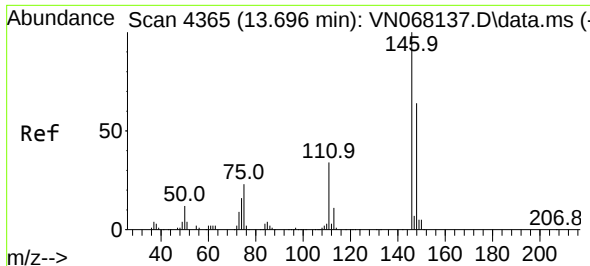
Tgt Ion: 75 Resp: 134829
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.990 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Tgt Ion: 75 Resp: 134829
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

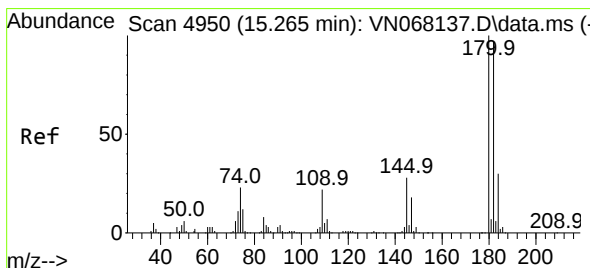
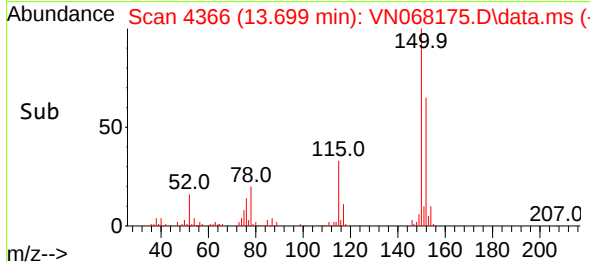
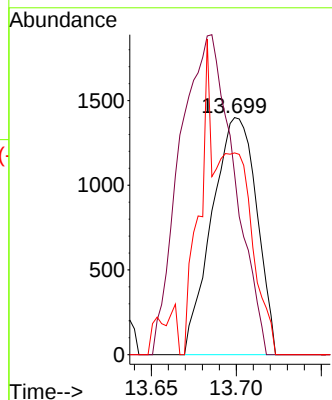
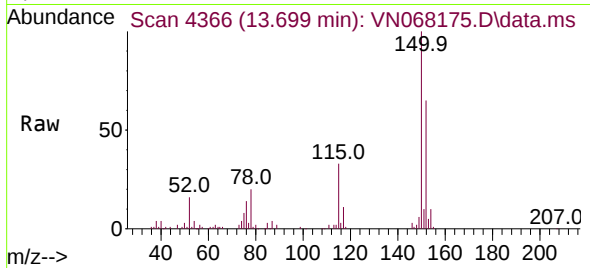




#88
 1,4-Dichlorobenzene
 Concen: 0.294 ug/l
 RT: 13.699 min Scan# 4366
 Delta R.T. 0.003 min
 Lab File: VN068175.D
 Acq: 18 Aug 2021 5:33

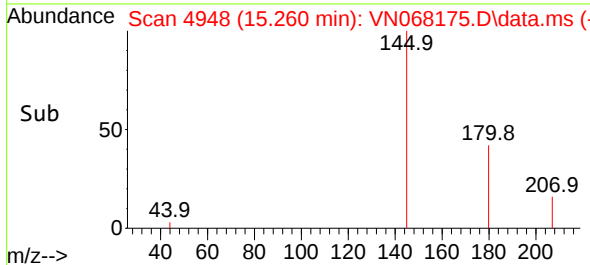
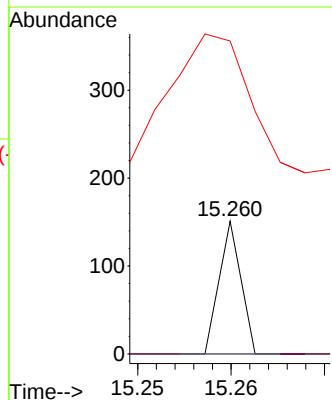
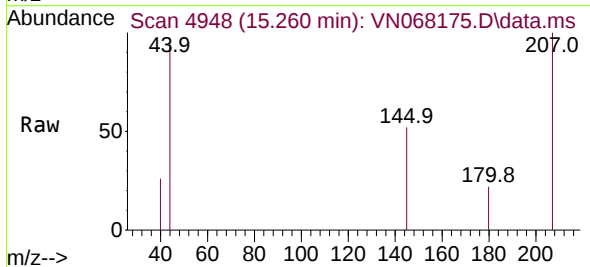
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

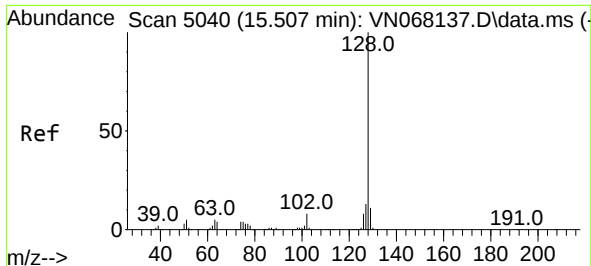
Tgt Ion:146 Resp: 2565
 Ion Ratio Lower Upper
 146 100
 111 162.7 23.4 70.2#
 148 43.3 31.8 95.3



#93
 1,2,4-Trichlorobenzene
 Concen: 2.690 ug/l
 RT: 15.260 min Scan# 4948
 Delta R.T. -0.005 min
 Lab File: VN068175.D
 Acq: 18 Aug 2021 5:33

Tgt Ion:180 Resp: 24
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.5 142.5#
 145 787.5 17.2 51.6#

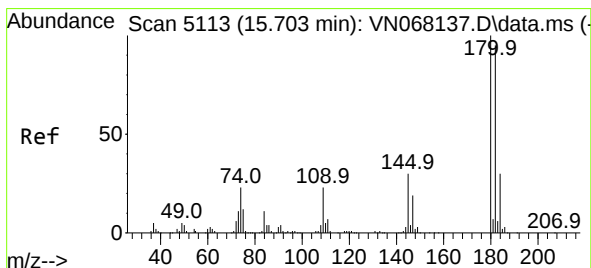
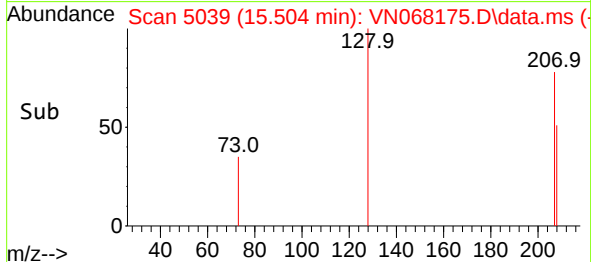
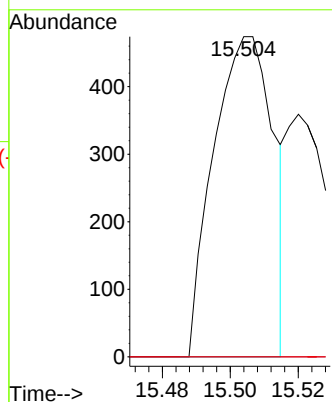
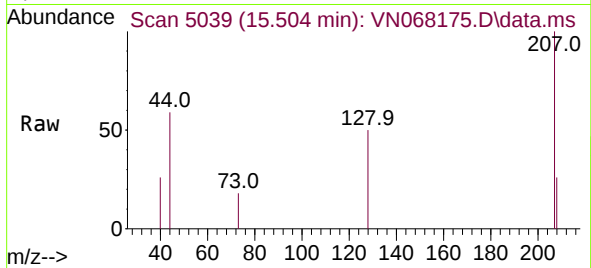




#95
Naphthalene
Concen: 3.398 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tgt Ion:128 Resp: 578
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: 2.843 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.003 min
Lab File: VN068175.D
Acq: 18 Aug 2021 5:33

Tgt Ion:180 Resp: 51
Ion Ratio Lower Upper
180 100
182 125.5 47.8 143.3
145 0.0 18.2 54.6#

