

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068177.D
 Acq On : 18 Aug 2021 6:22
 Operator : JC/MD
 Sample : M3432-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Aug 18 08:42:37 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)

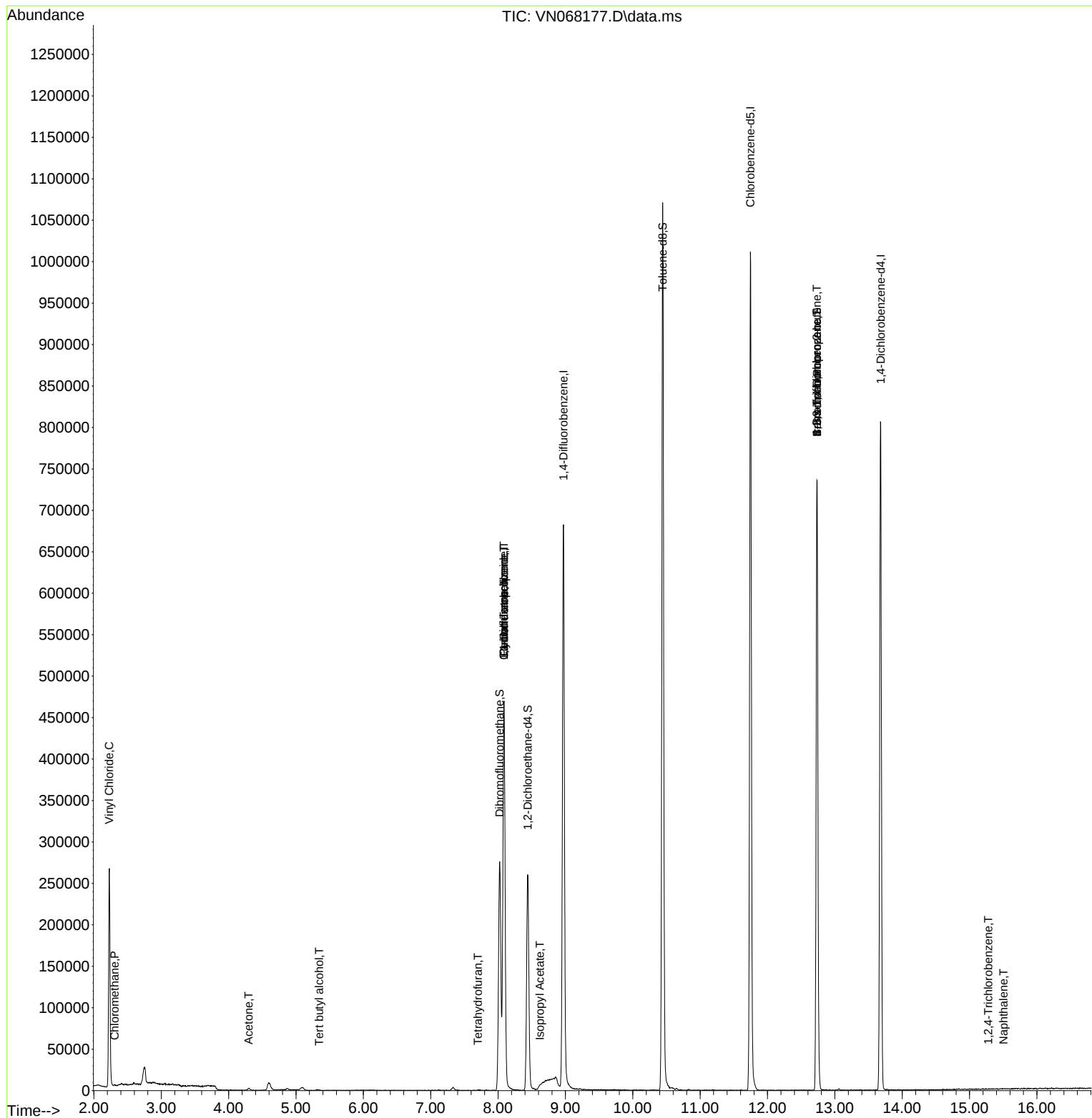
Internal Standards						
1) Pentafluorobenzene	8.088	168	387686	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	650487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	654541	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	243478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	222204	53.680	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 107.360%		
35) Dibromofluoromethane	8.024	113	201585	49.361	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 98.720%		
50) Toluene-d8	10.443	98	790793	50.818	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 101.640%		
62) 4-Bromofluorobenzene	12.734	95	252815	48.804	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 97.600%		
Target Compounds						Qvalue
3) Chloromethane	2.309	50	1318	0.380	ug/l #	88
4) Vinyl Chloride	2.228	62	3061	0.563	ug/l #	1
5) Bromomethane	2.867	94	1542	Below Cal		90
6) Chloroethane	3.025	64	54	Below Cal	#	44
11) Tert butyl alcohol	5.345	59	152	0.294	ug/l #	71
13) Acrolein	4.044	56	89	Below Cal	#	14
16) Acetone	4.296	43	3672	3.038	ug/l	96
18) Methyl Acetate	4.870	43	2237	Below Cal		94
20) Methylene Chloride	5.093	84	1774	Below Cal	#	77
29) Tetrahydrofuran	7.700	42	286	0.237	ug/l #	50
31) Cyclohexane	8.088	56	6801	1.247	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	25575	4.810	ug/l #	53
38) Carbon Tetrachloride	8.086	117	37880	6.176	ug/l #	18
43) Isopropyl Acetate	8.622	43	3727	0.514	ug/l #	58
71) Bromoform	12.736	173	3407	0.840	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	130650	32.284	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	130650	105.769	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.276	180	25	2.691	ug/l #	12
95) Naphthalene	15.504	128	262	3.370	ug/l #	69

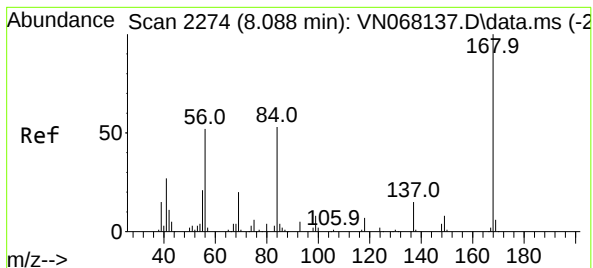
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068177.D

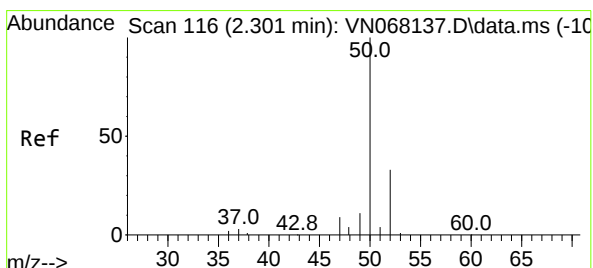
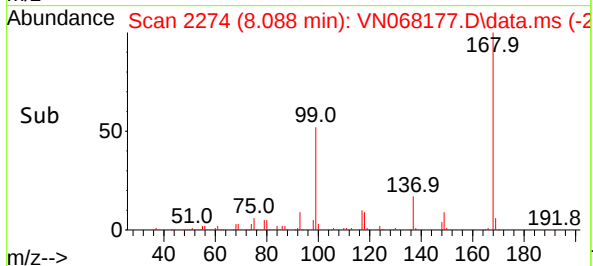
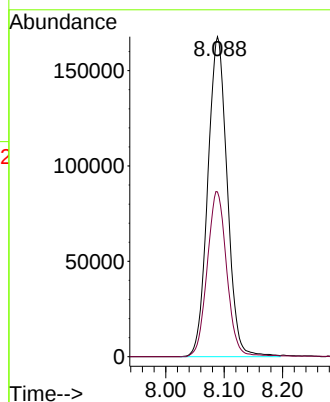
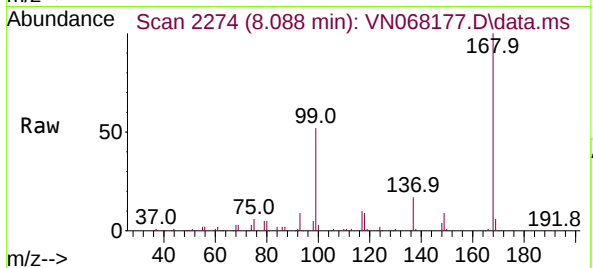
Acq: 18 Aug 2021 6:22

Tgt Ion:168 Resp: 387686

Ion Ratio Lower Upper

168 100

99 51.5 62.9 94.3#



#3

Chloromethane

Concen: 0.380 ug/l

RT: 2.309 min Scan# 119

Delta R.T. 0.008 min

Lab File: VN068177.D

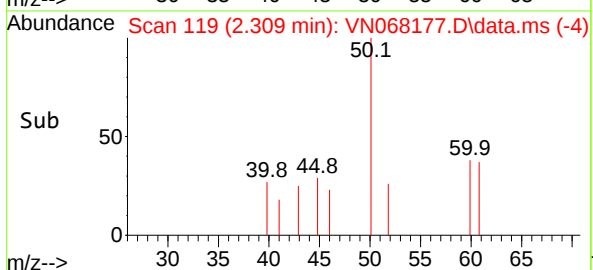
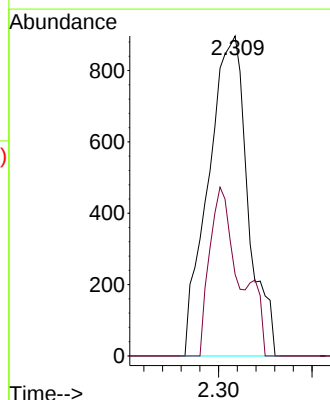
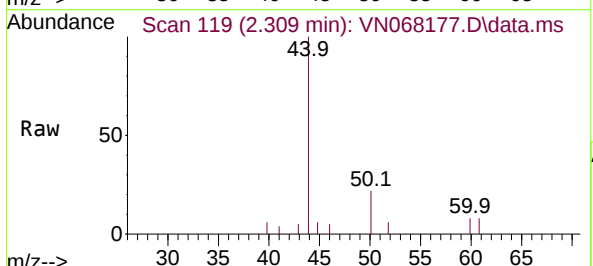
Acq: 18 Aug 2021 6:22

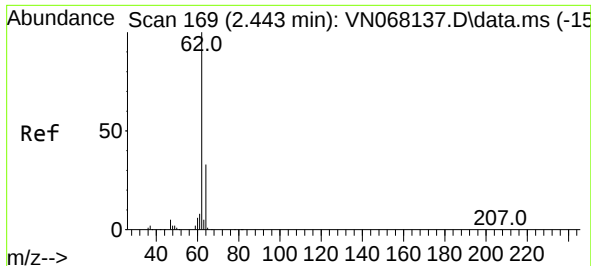
Tgt Ion: 50 Resp: 1318

Ion Ratio Lower Upper

50 100

52 25.5 25.6 38.4#

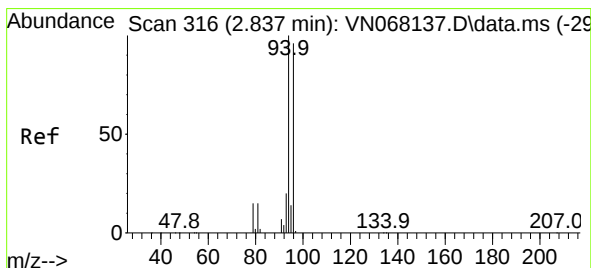
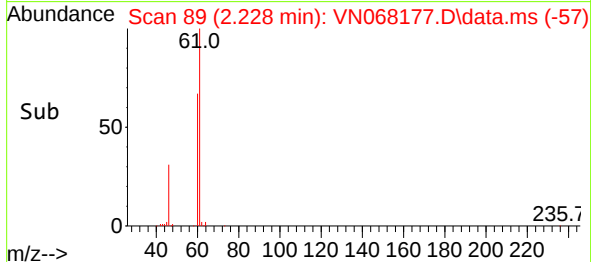
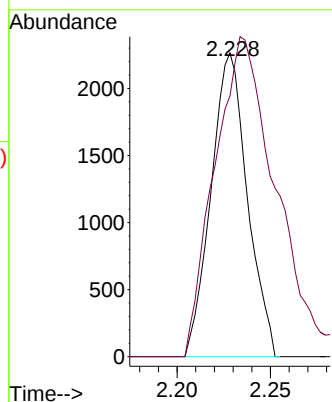
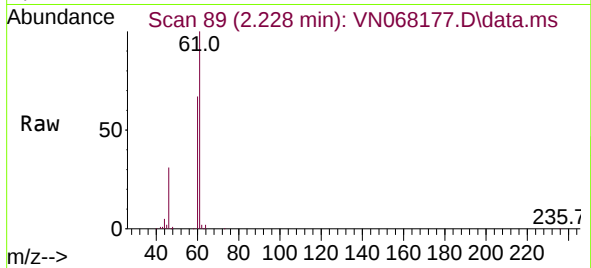




#4
 Vinyl Chloride
 Concen: 0.563 ug/l
 RT: 2.228 min Scan# 89
 Delta R.T. -0.215 min
 Lab File: VN068177.D
 Acq: 18 Aug 2021 6:22

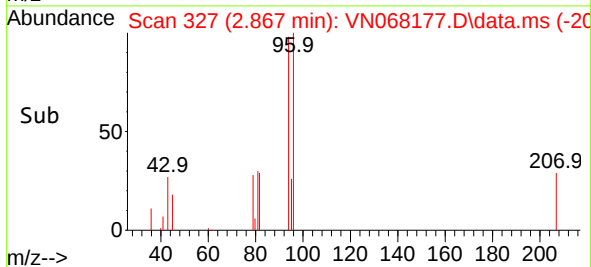
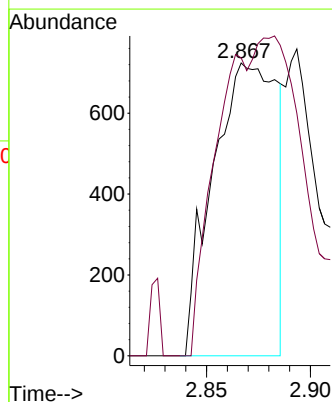
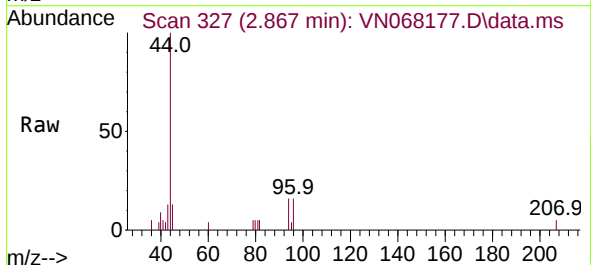
Instrument :
 MSVOA_N
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 STORAGE-BLANK-WATER-REF-5

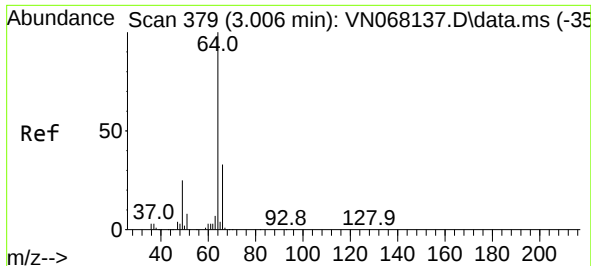
Tgt Ion: 62 Resp: 3061
 Ion Ratio Lower Upper
 62 100
 64 85.9 24.4 36.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.867 min Scan# 327
 Delta R.T. 0.030 min
 Lab File: VN068177.D
 Acq: 18 Aug 2021 6:22

Tgt Ion: 94 Resp: 1542
 Ion Ratio Lower Upper
 94 100
 96 101.8 73.7 110.5

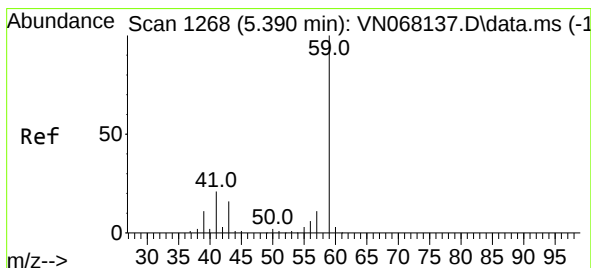
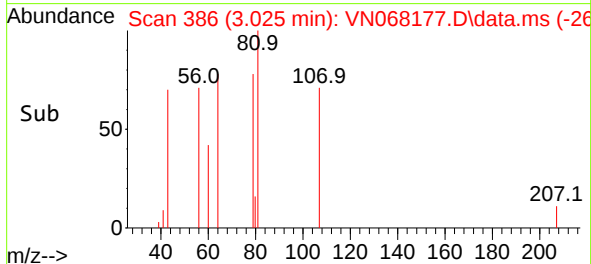
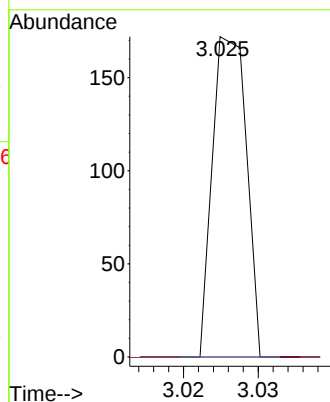
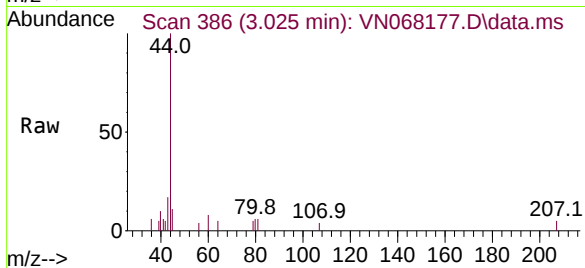




#6
Chloroethane
Concen: Below Cal
RT: 3.025 min Scan# 386
Delta R.T. 0.019 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

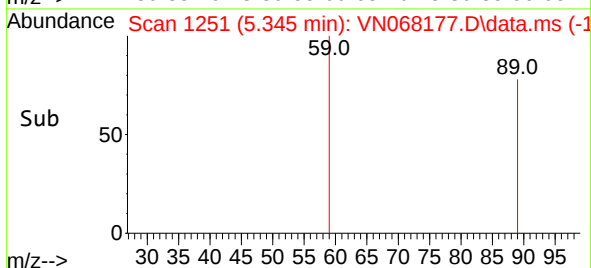
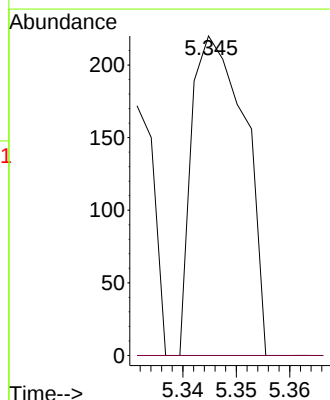
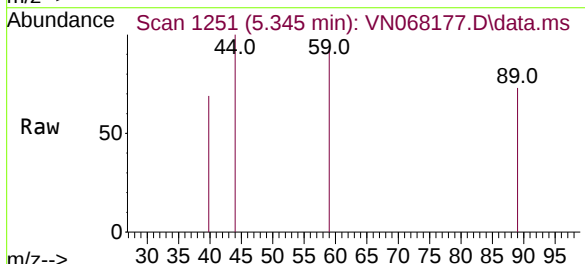
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

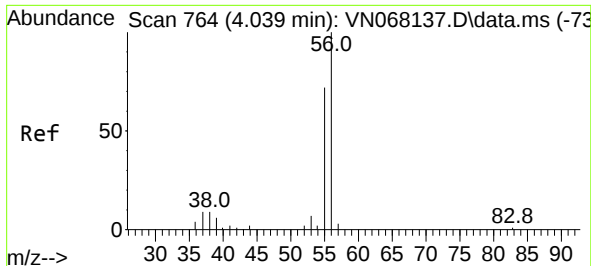
Tgt Ion: 64 Resp: 54
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.294 ug/l
RT: 5.345 min Scan# 1251
Delta R.T. -0.045 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

Tgt Ion: 59 Resp: 152
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

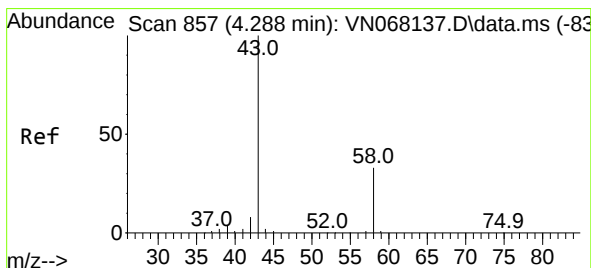
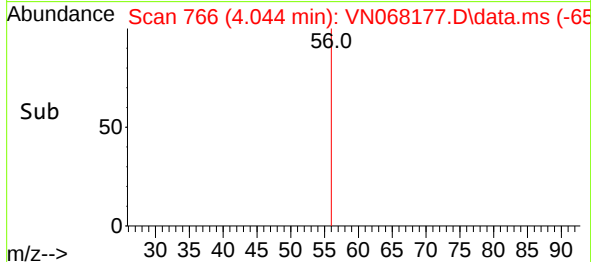
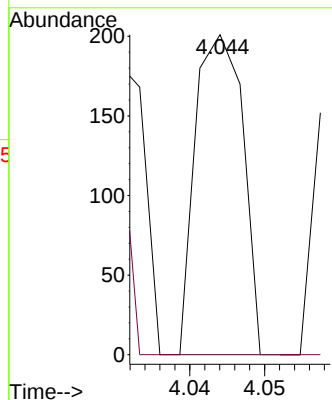
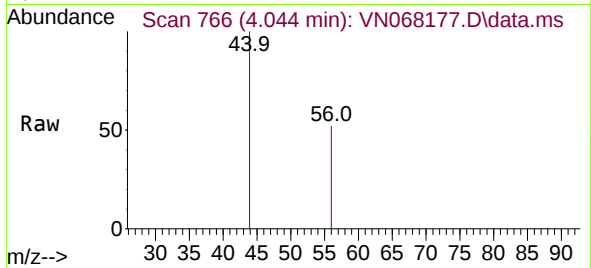




#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

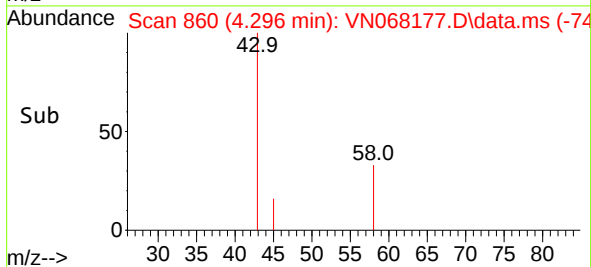
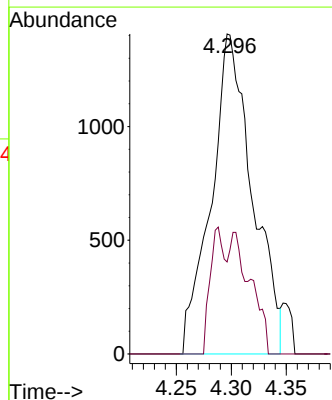
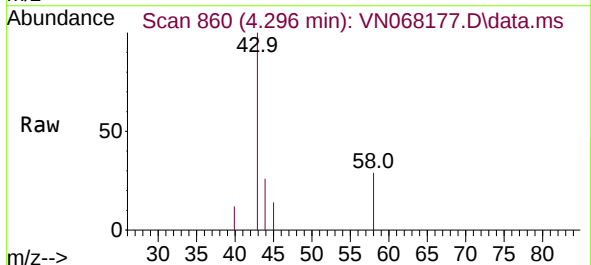
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

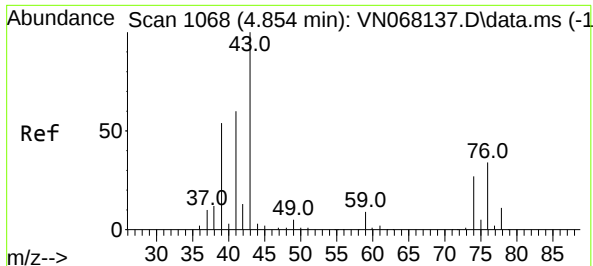
Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 3.038 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

Tgt Ion: 43 Resp: 3672
Ion Ratio Lower Upper
43 100
58 28.8 21.2 31.8

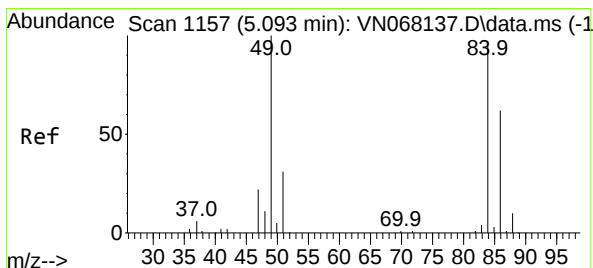
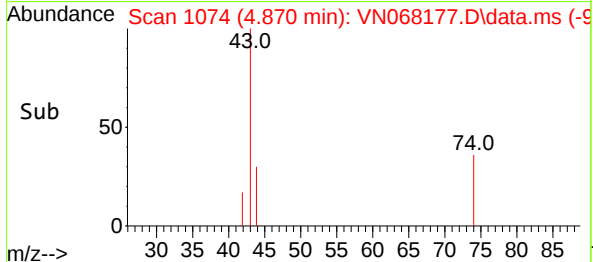
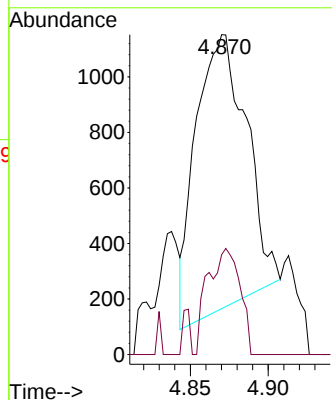
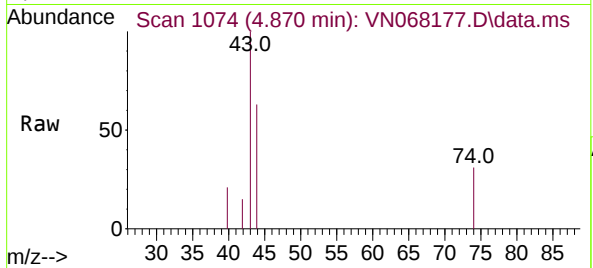




#18
Methyl Acetate
Concen: Below Cal
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

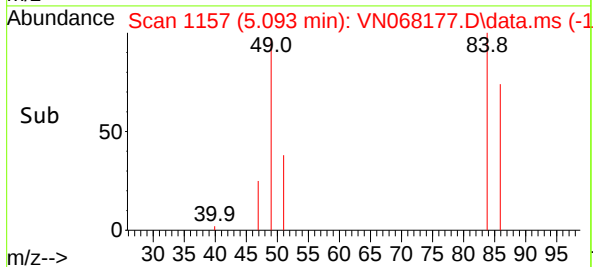
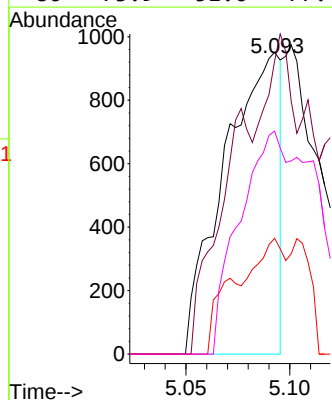
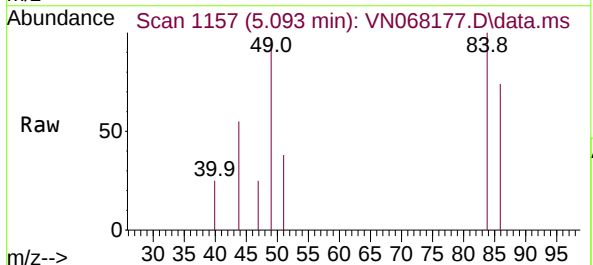
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ClientSampleId :
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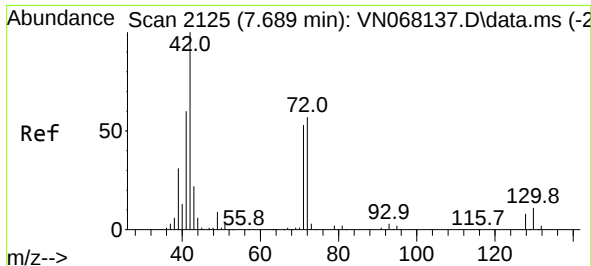
Tgt Ion: 43 Resp: 2237
Ion Ratio Lower Upper
43 100
74 24.6 17.4 26.0



#20
Methylene Chloride
Concen: Below Cal
RT: 5.093 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

Tgt Ion: 84 Resp: 1774
Ion Ratio Lower Upper
84 100
49 97.2 110.9 166.3#
51 38.4 32.6 49.0
86 73.9 51.6 77.4





#29

Tetrahydrofuran

Concen: 0.237 ug/l

RT: 7.700 min Scan# 2129

Delta R.T. 0.011 min

Lab File: VN068177.D

Acq: 18 Aug 2021 6:22

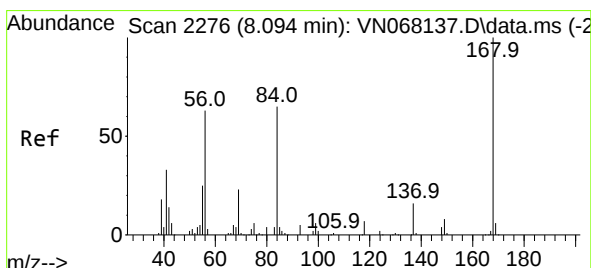
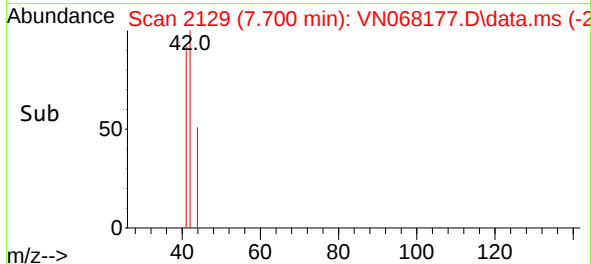
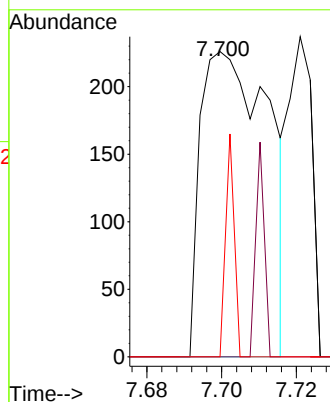
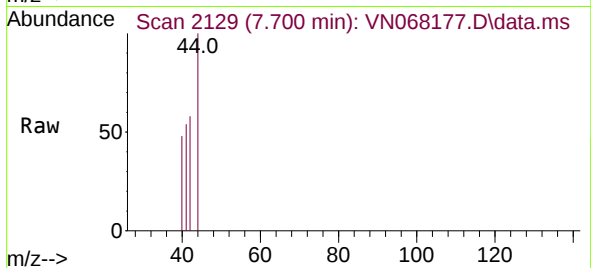
Tgt Ion:	42	Resp:	286
Ion	Ratio	Lower	Upper
42	100		
72	9.1	32.8	49.2#
71	9.4	31.2	46.8#

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5



#31

Cyclohexane

Concen: 1.247 ug/l

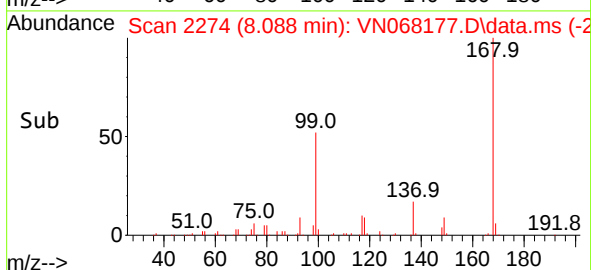
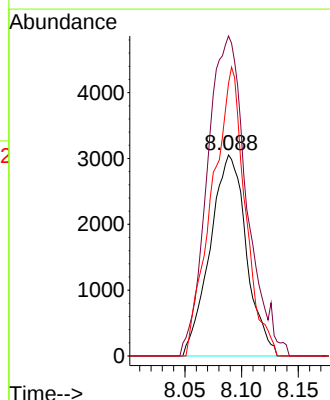
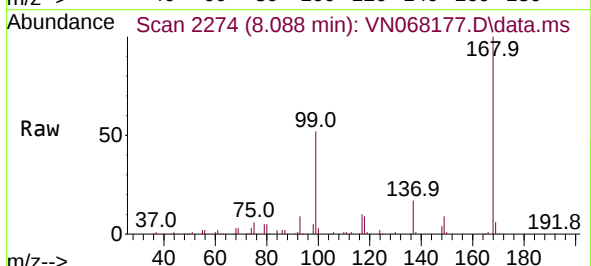
RT: 8.088 min Scan# 2274

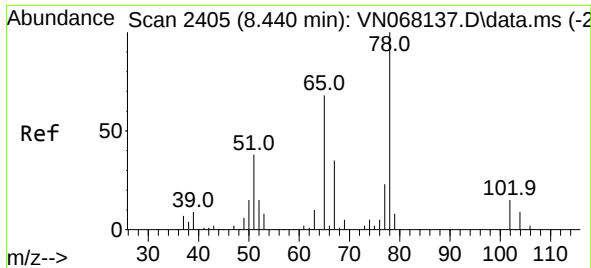
Delta R.T. -0.006 min

Lab File: VN068177.D

Acq: 18 Aug 2021 6:22

Tgt Ion:	56	Resp:	6801
Ion	Ratio	Lower	Upper
56	100		
69	159.3	27.3	40.9#
84	135.6	64.9	97.3#

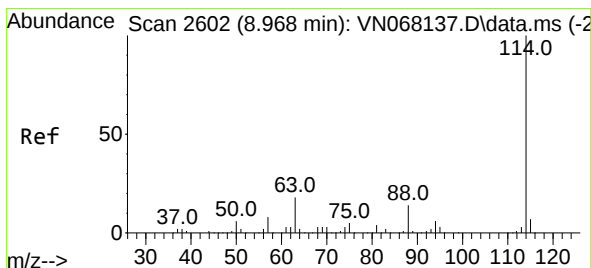
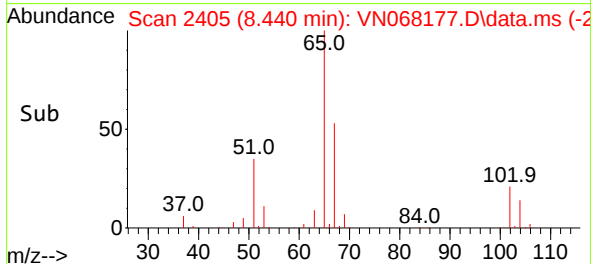
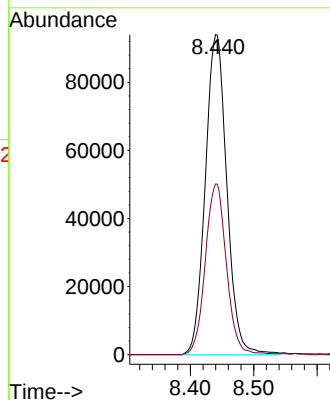
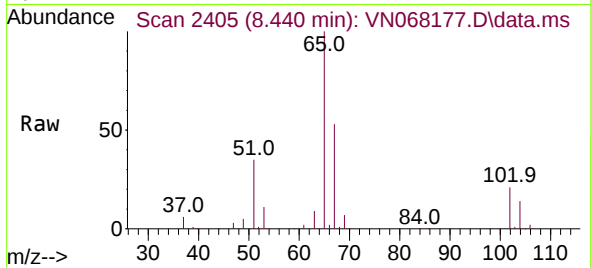




#33
 1,2-Dichloroethane-d4
 Concen: 53.680 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068177.D
 Acq: 18 Aug 2021 6:22

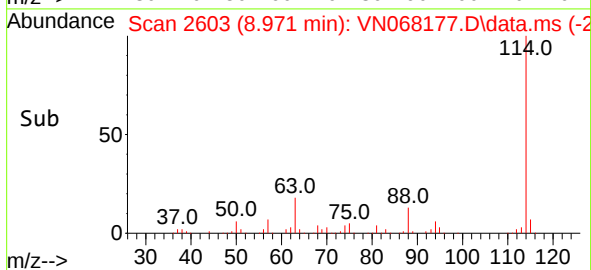
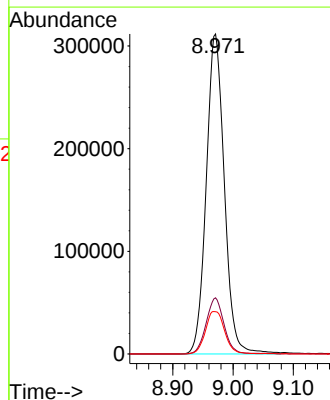
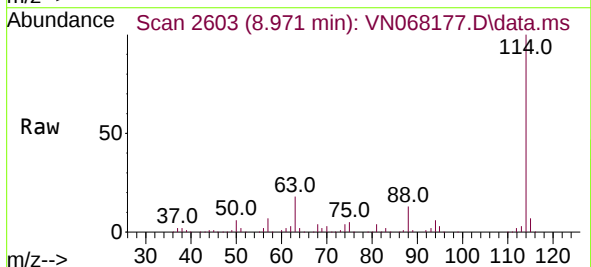
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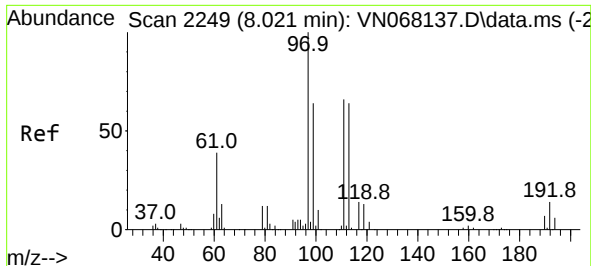
Tgt Ion: 65 Resp: 222204
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068177.D
 Acq: 18 Aug 2021 6:22

Tgt Ion: 114 Resp: 650487
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 49.0
 88 13.2 0.0 36.6

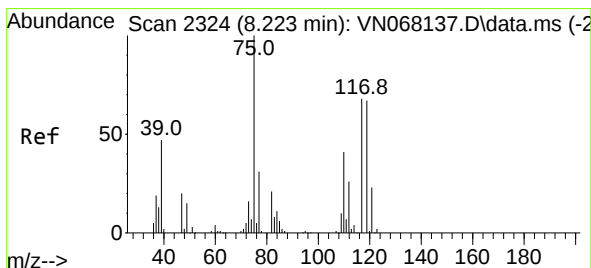
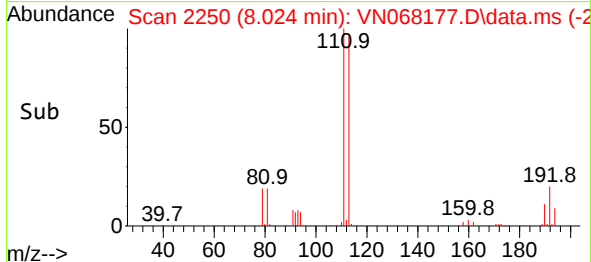
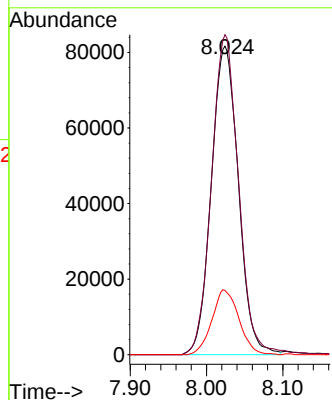
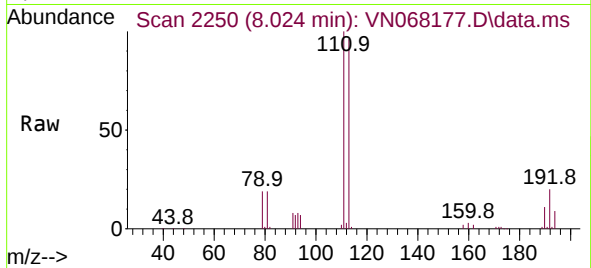




#35
Dibromofluoromethane
Concen: 49.361 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

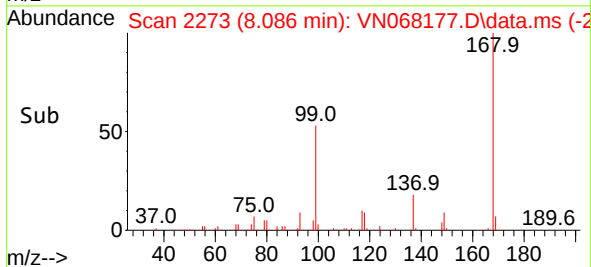
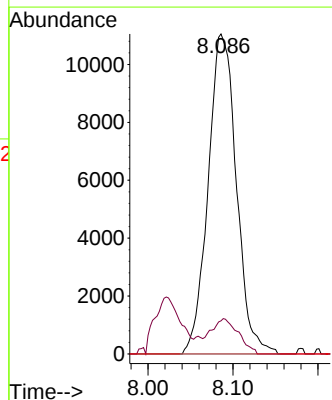
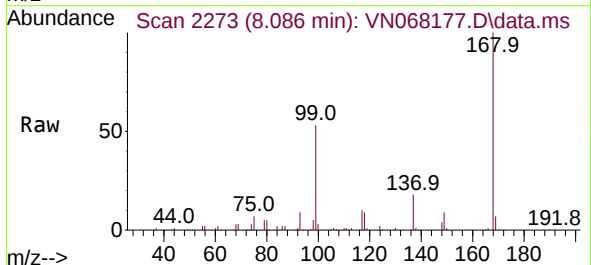
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

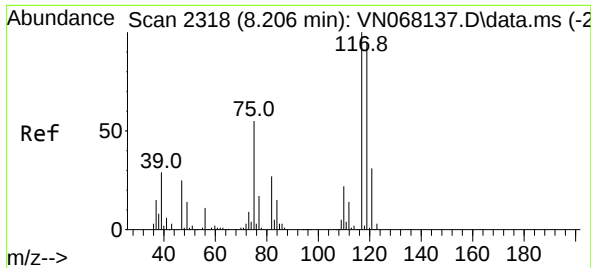
Tgt Ion:113 Resp: 201585
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.8
192 21.0 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.810 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

Tgt Ion: 75 Resp: 25575
Ion Ratio Lower Upper
75 100
110 10.7 15.7 47.0#
77 0.0 24.6 37.0#

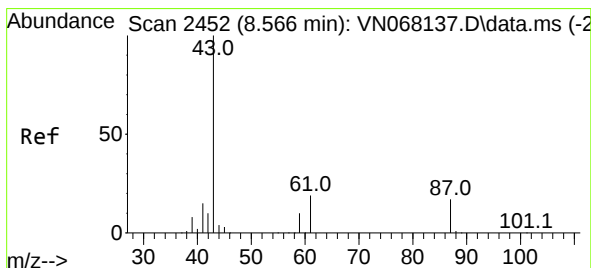
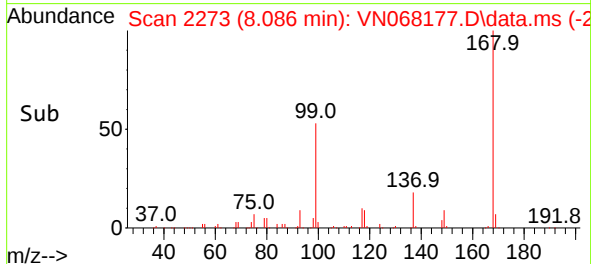
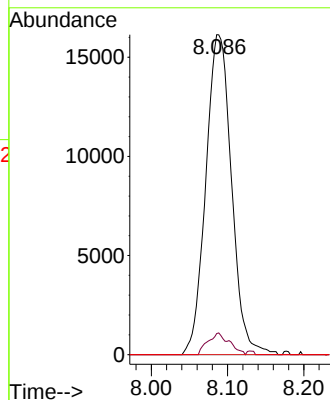
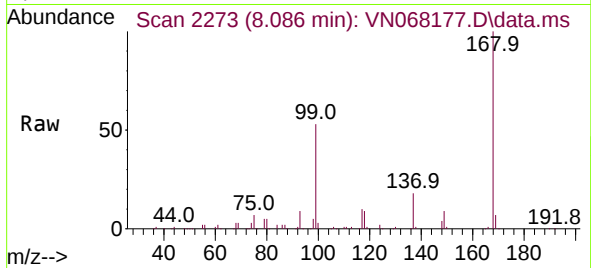




#38
Carbon Tetrachloride
Concen: 6.176 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

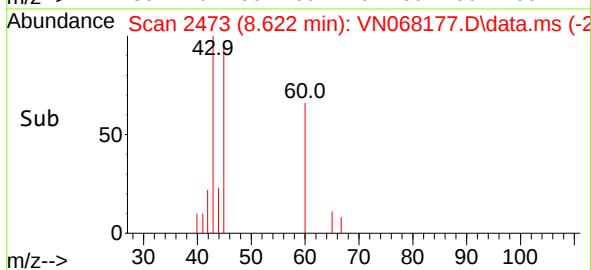
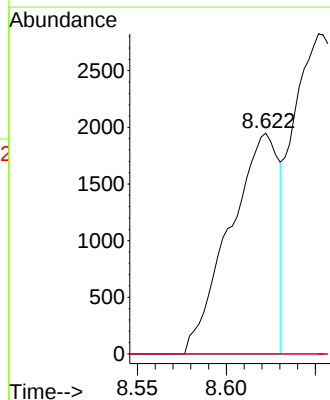
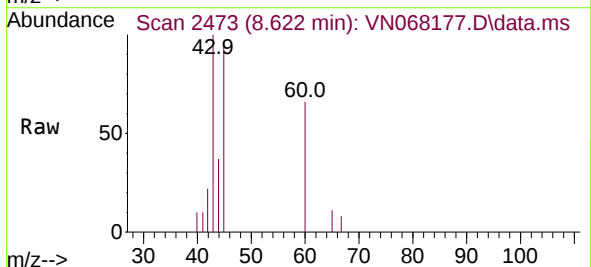
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

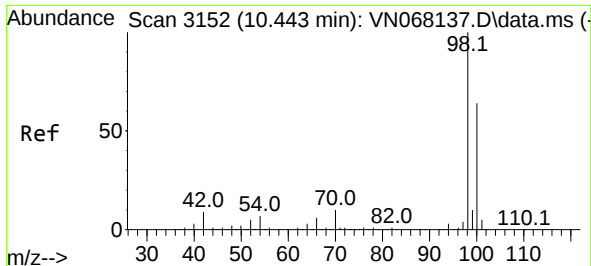
Tgt Ion:117 Resp: 37880
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.514 ug/l
RT: 8.622 min Scan# 2473
Delta R.T. 0.056 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

Tgt Ion: 43 Resp: 3727
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

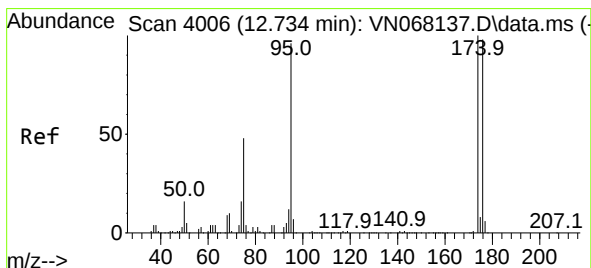
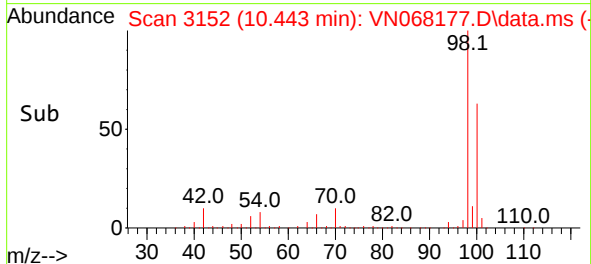
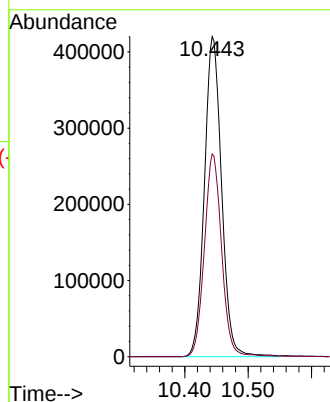
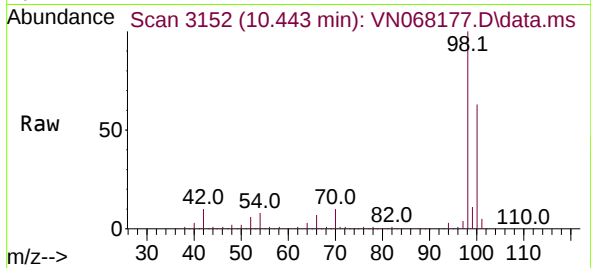




#50
Toluene-d8
Concen: 50.818 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

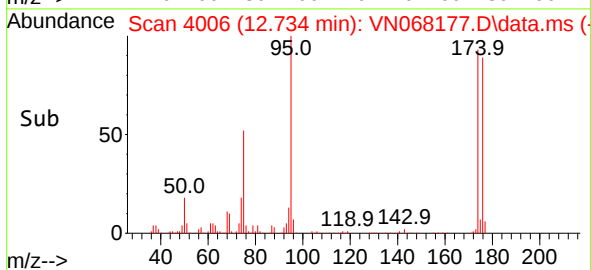
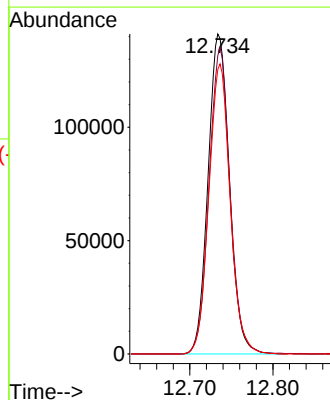
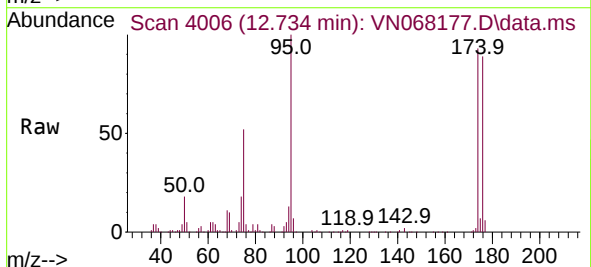
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

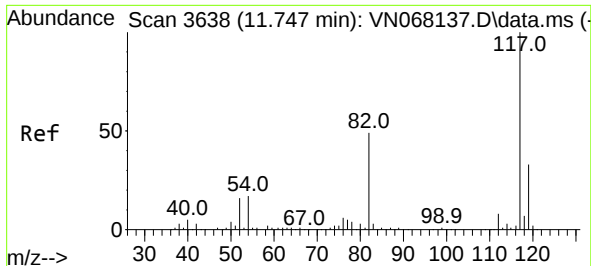
Tgt Ion: 98 Resp: 790793
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 48.804 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

Tgt Ion: 95 Resp: 252815
Ion Ratio Lower Upper
95 100
174 93.8 0.0 122.0
176 89.9 0.0 117.6

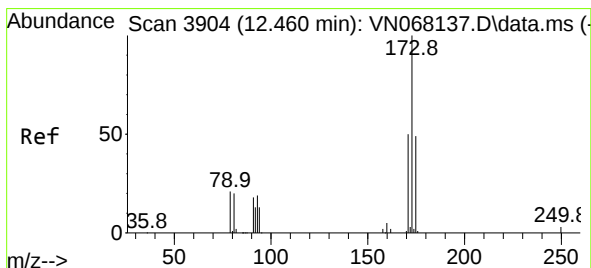
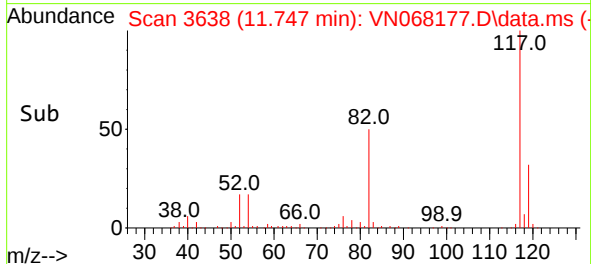
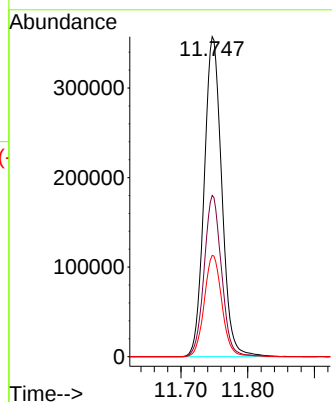
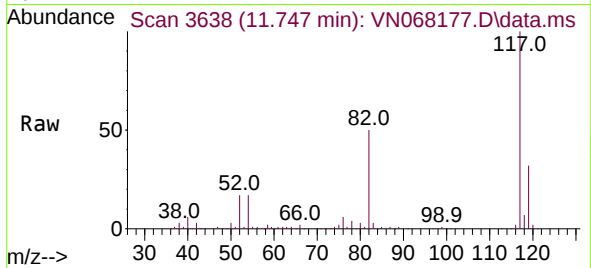




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

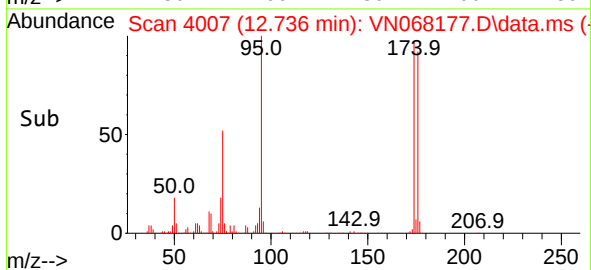
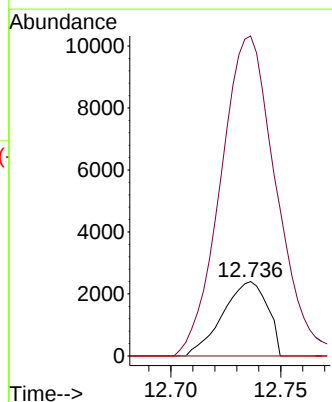
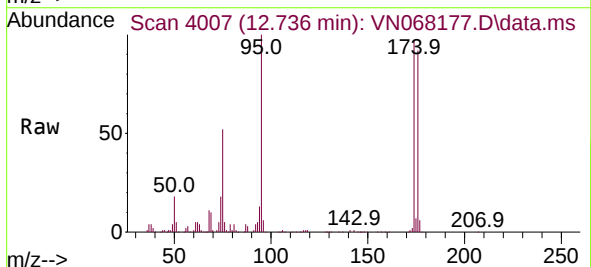
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

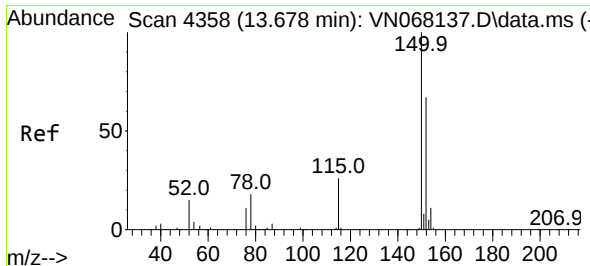
Tgt Ion:117 Resp: 654541
Ion Ratio Lower Upper
117 100
82 50.4 53.1 79.7#
119 31.7 25.5 38.3



#71
Bromoform
Concen: 0.840 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

Tgt Ion:173 Resp: 3407
Ion Ratio Lower Upper
173 100
175 475.9 23.9 71.8#
254 0.0 0.0 0.0

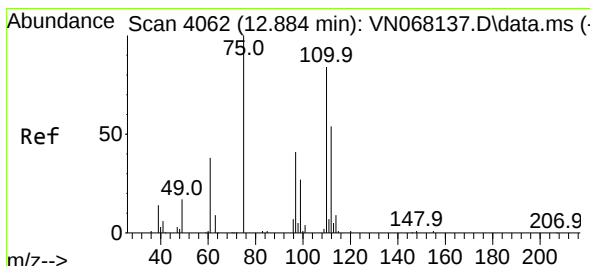
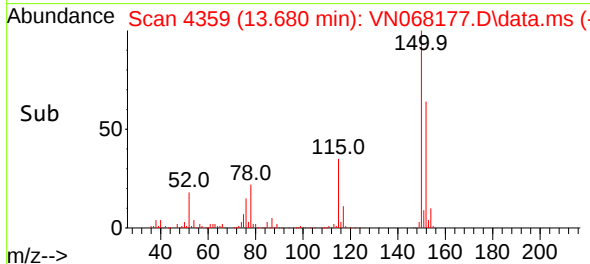
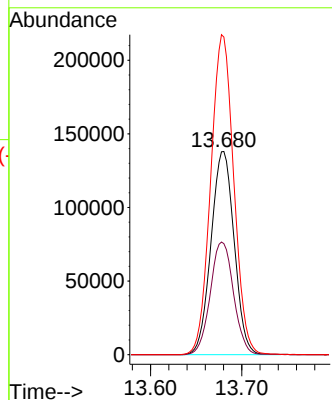
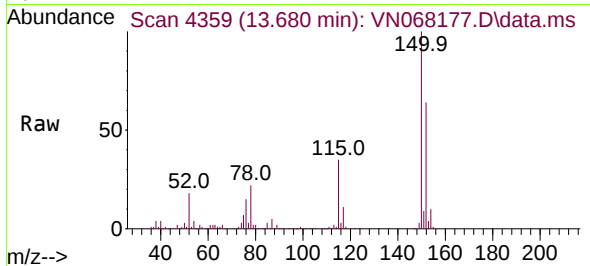




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.002 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

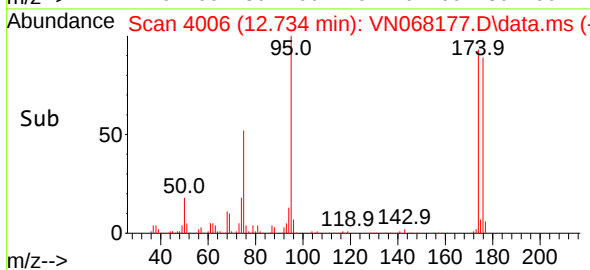
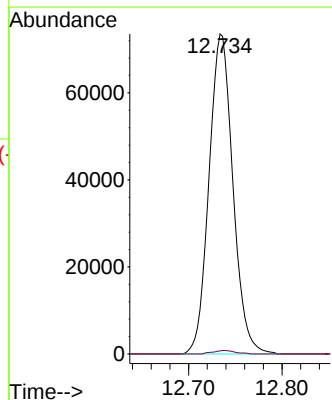
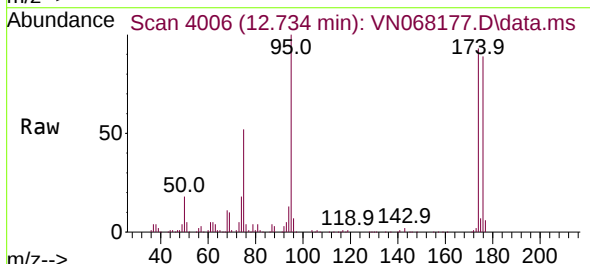
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

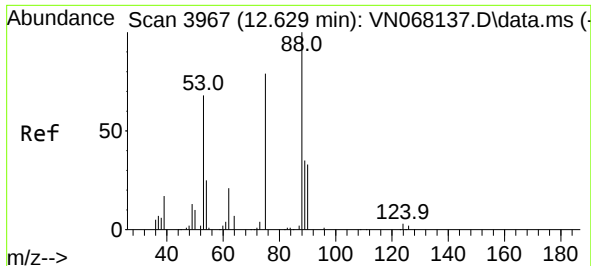
Tgt Ion:152 Resp: 243478
Ion Ratio Lower Upper
152 100
115 55.8 36.1 108.5
150 156.8 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 32.284 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

Tgt Ion: 75 Resp: 130650
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

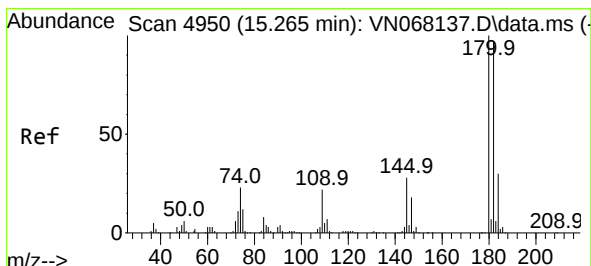
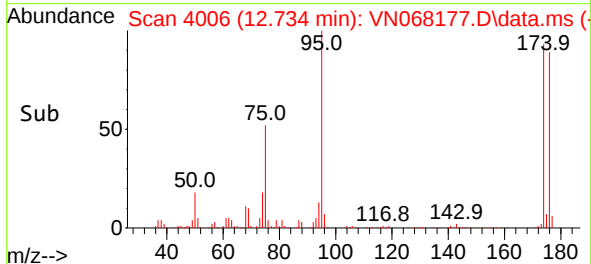
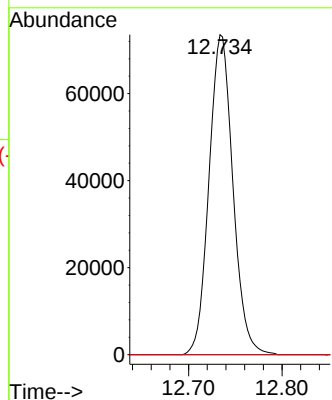
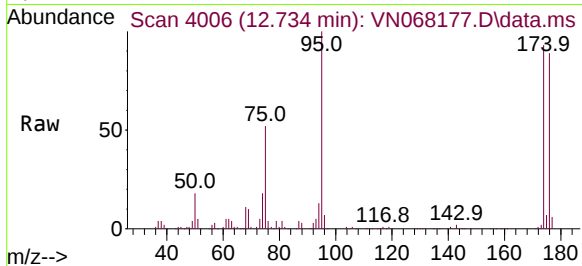




#81
trans-1,4-Dichloro-2-butene
Concen: 105.769 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

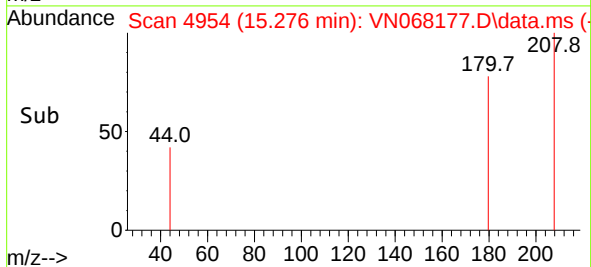
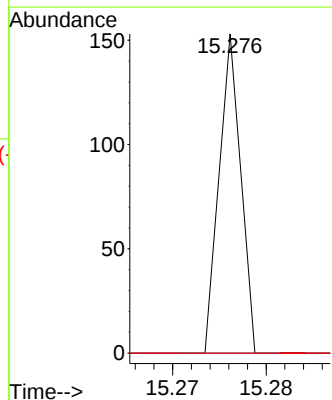
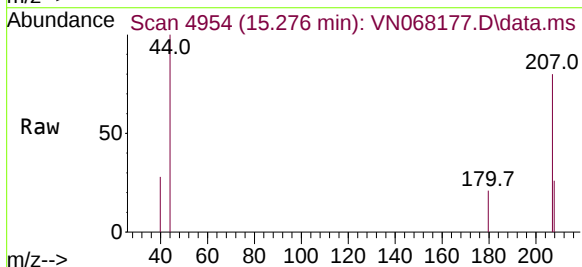
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

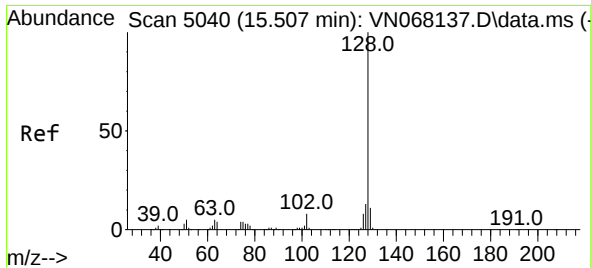
Tgt Ion: 75 Resp: 130650
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.691 ug/l
RT: 15.276 min Scan# 4954
Delta R.T. 0.011 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

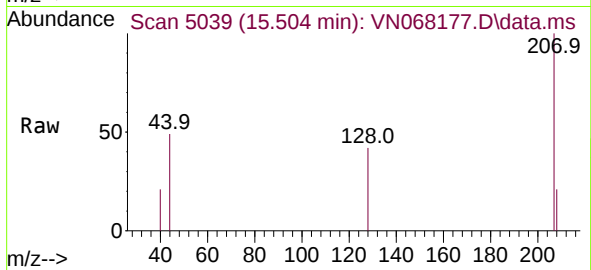
Tgt Ion:180 Resp: 25
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#





#95
Naphthalene
Concen: 3.370 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN068177.D
Acq: 18 Aug 2021 6:22

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5



Tgt Ion:	128	Resp:	262
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#

