

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068176.D
 Acq On : 18 Aug 2021 5:58
 Operator : JC/MD
 Sample : M3432-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Aug 18 08:42:28 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)

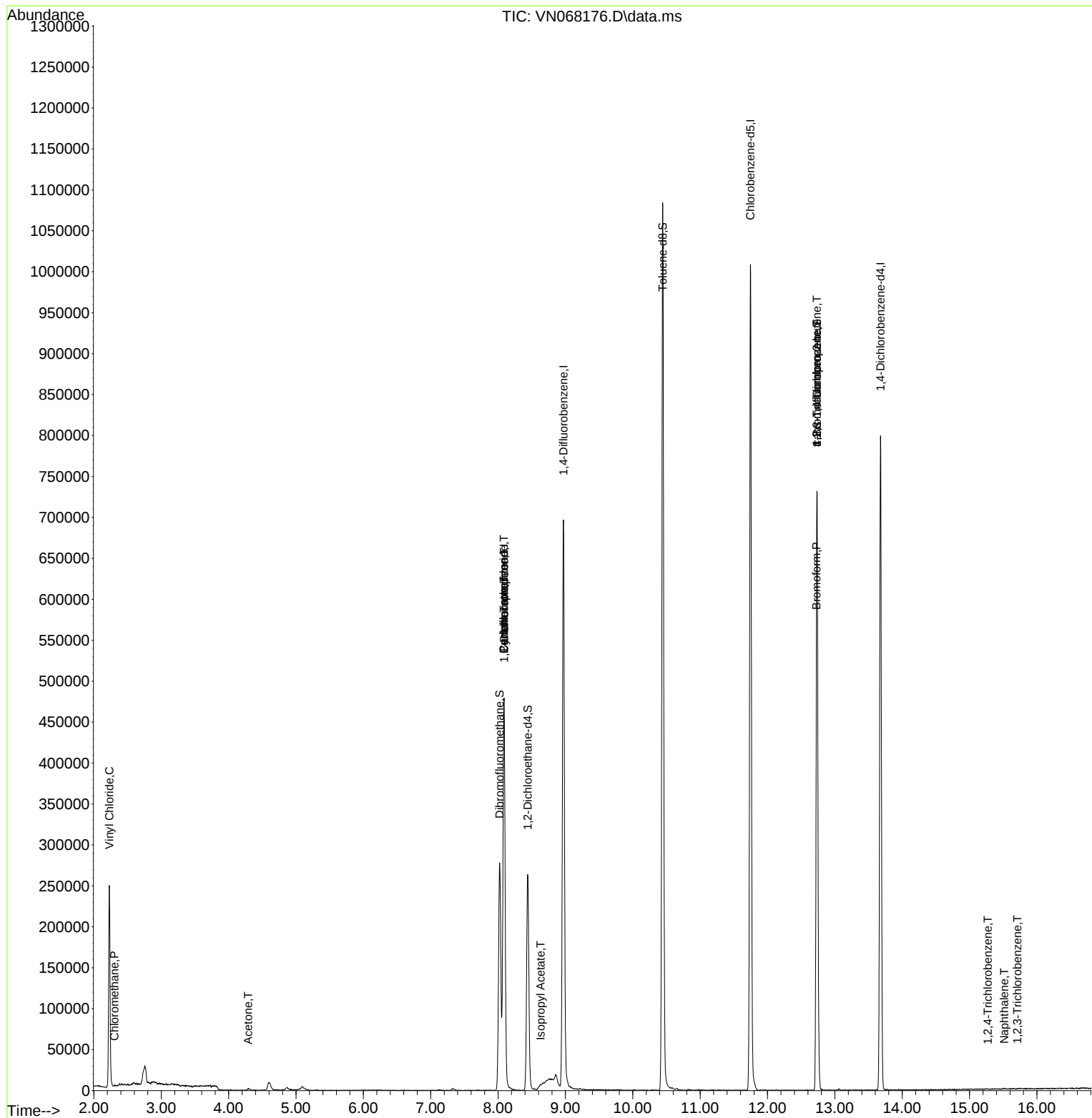
Internal Standards						
1) Pentafluorobenzene	8.088	168	393275	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	661450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	654266	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	241539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	225121	53.612	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 107.220%		
35) Dibromofluoromethane	8.024	113	204549	49.256	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 98.520%		
50) Toluene-d8	10.443	98	794655	50.220	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 100.440%		
62) 4-Bromofluorobenzene	12.733	95	255195	48.447	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 96.900%		
Target Compounds						
						Qvalue
3) Chloromethane	2.303	50	1213	0.345	ug/l	97
4) Vinyl Chloride	2.231	62	3389	0.614	ug/l	# 1
5) Bromomethane	2.869	94	2685	Below Cal		97
6) Chloroethane	3.017	64	55	Below Cal	#	44
13) Acrolein	4.041	56	158	Below Cal	#	14
16) Acetone	4.291	43	1630	1.330	ug/l	# 89
18) Methyl Acetate	4.867	43	4733	Below Cal		93
20) Methylene Chloride	5.093	84	2478	Below Cal	#	81
31) Cyclohexane	8.088	56	7006	1.267	ug/l	# 1
36) 1,1-Dichloropropene	8.091	75	25527	4.721	ug/l	# 50
38) Carbon Tetrachloride	8.088	117	36435	5.842	ug/l	# 18
43) Isopropyl Acetate	8.630	43	4681	0.634	ug/l	# 58
71) Bromoform	12.725	173	966	0.238	ug/l	# 1
76) 1,2,3-Trichloropropane	12.733	75	129825	32.338	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	129825	105.945	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.271	180	55	2.698	ug/l	# 34
95) Naphthalene	15.515	128	700	3.413	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.708	180	25	2.838	ug/l	# 12

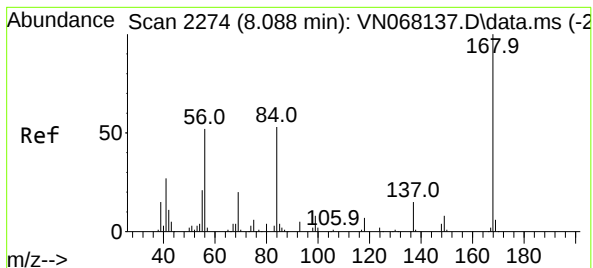
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068176.D

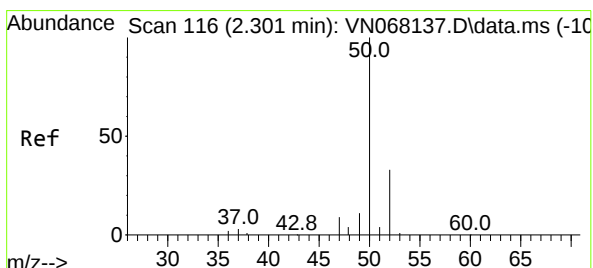
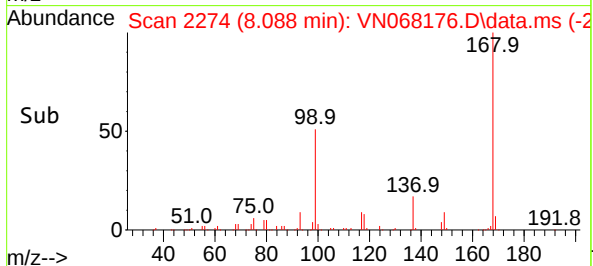
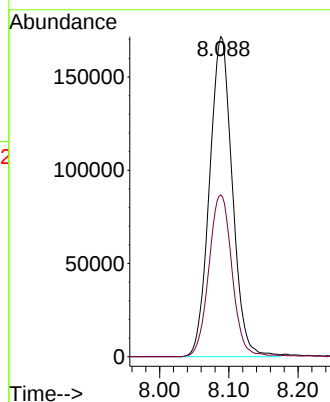
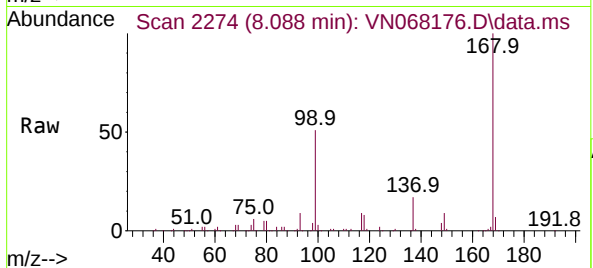
Acq: 18 Aug 2021 5:58

Tgt Ion:168 Resp: 393275

Ion Ratio Lower Upper

168 100

99 50.5 62.9 94.3#



#3

Chloromethane

Concen: 0.345 ug/l

RT: 2.303 min Scan# 117

Delta R.T. 0.002 min

Lab File: VN068176.D

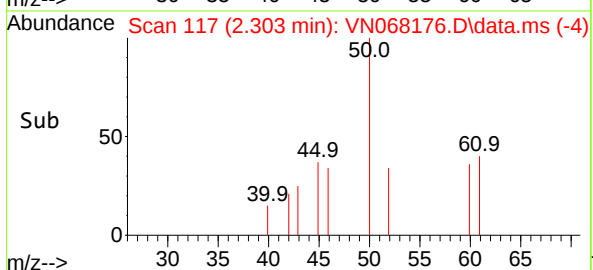
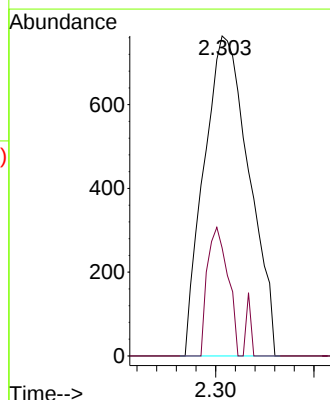
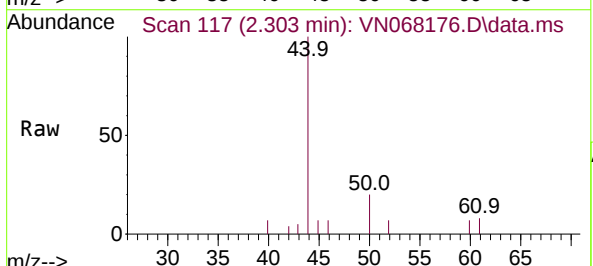
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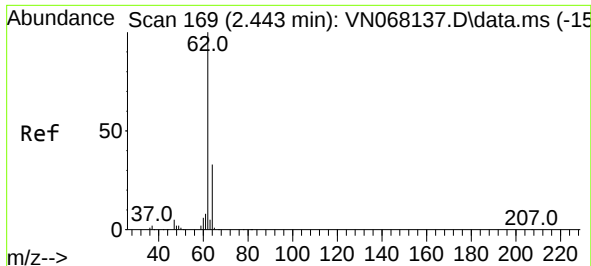
Tgt Ion: 50 Resp: 1213

Ion Ratio Lower Upper

50 100

52 33.8 25.6 38.4

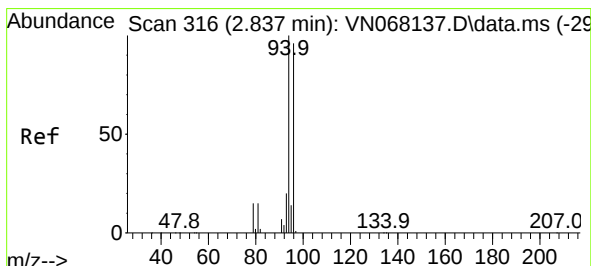
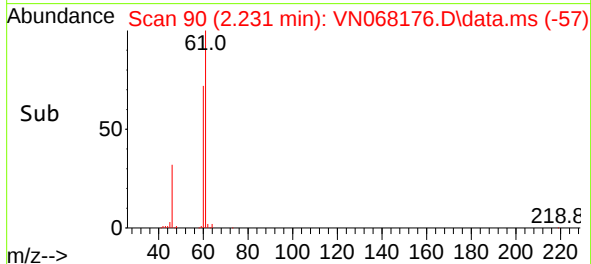
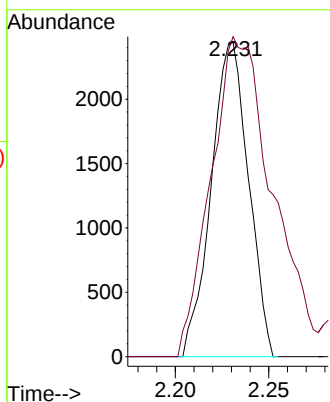
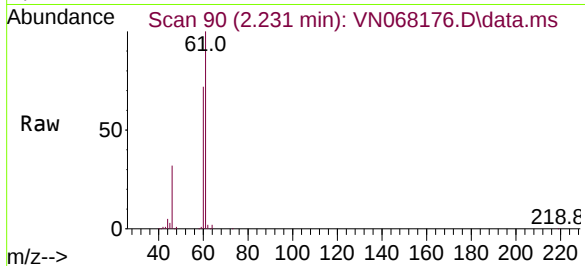




#4
 Vinyl Chloride
 Concen: 0.614 ug/l
 RT: 2.231 min Scan# 90
 Delta R.T. -0.212 min
 Lab File: VN068176.D
 Acq: 18 Aug 2021 5:58

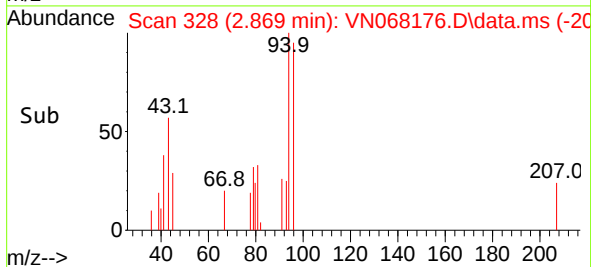
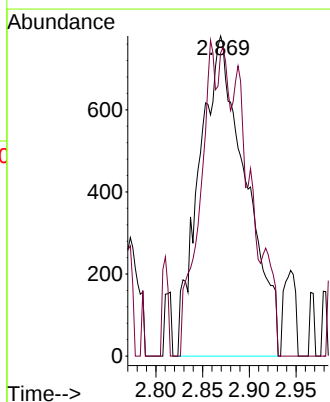
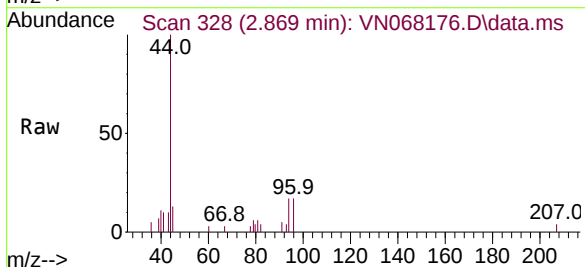
Instrument :
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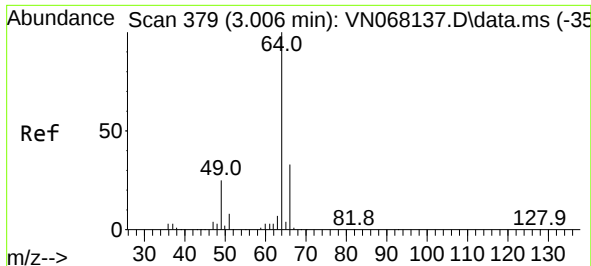
Tgt Ion: 62 Resp: 3389
 Ion Ratio Lower Upper
 62 100
 64 101.8 24.4 36.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.869 min Scan# 328
 Delta R.T. 0.032 min
 Lab File: VN068176.D
 Acq: 18 Aug 2021 5:58

Tgt Ion: 94 Resp: 2685
 Ion Ratio Lower Upper
 94 100
 96 94.7 73.7 110.5

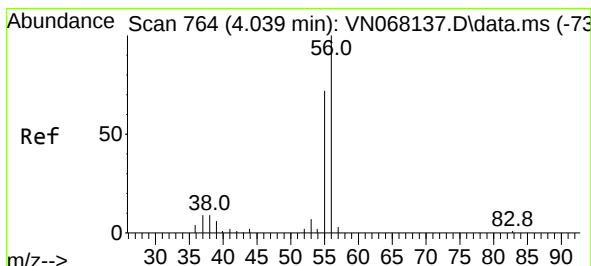
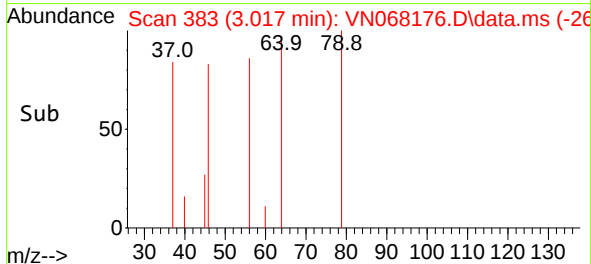
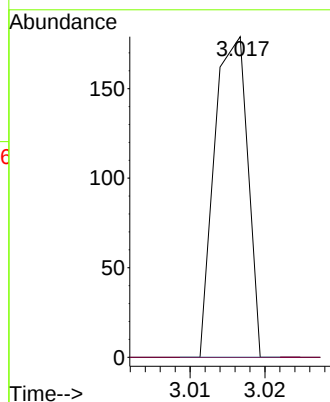
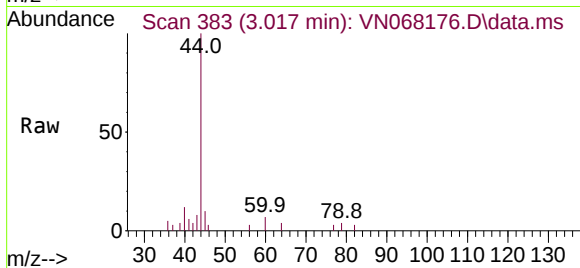




#6
Chloroethane
Concen: Below Cal
RT: 3.017 min Scan# 383
Delta R.T. 0.011 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

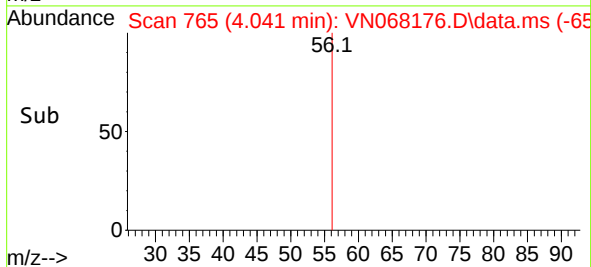
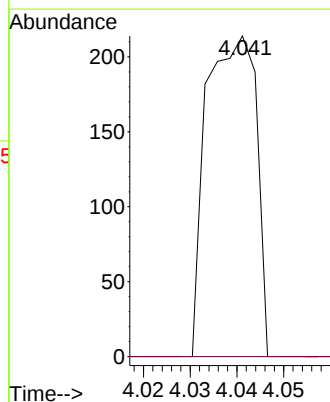
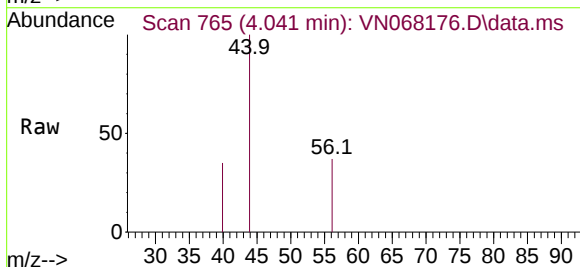
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

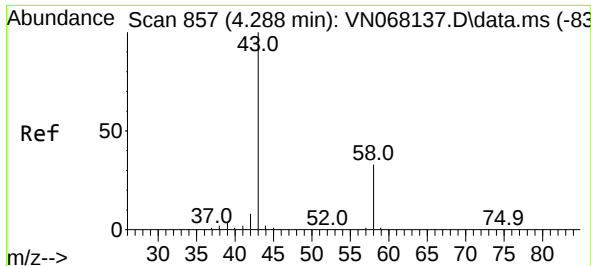
Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

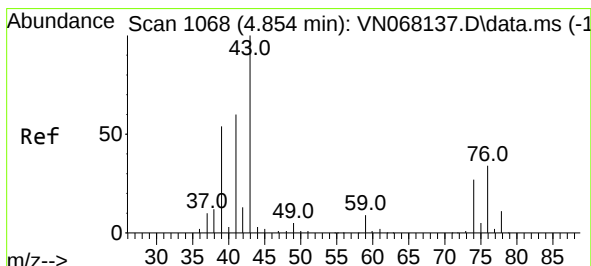
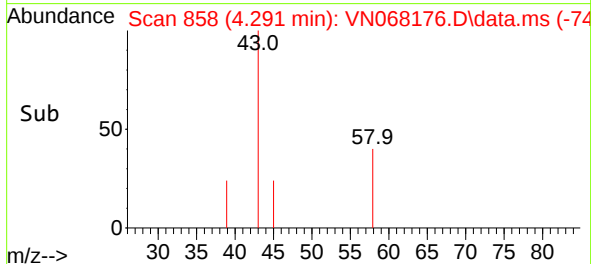
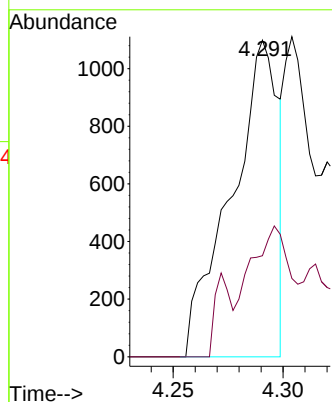
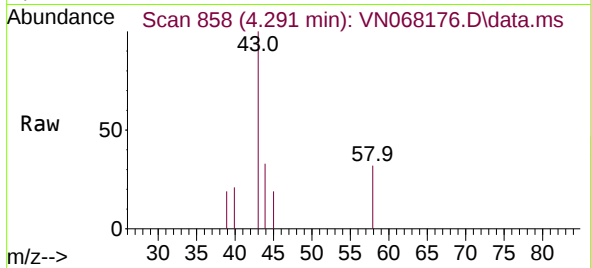




#16
Acetone
Concen: 1.330 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

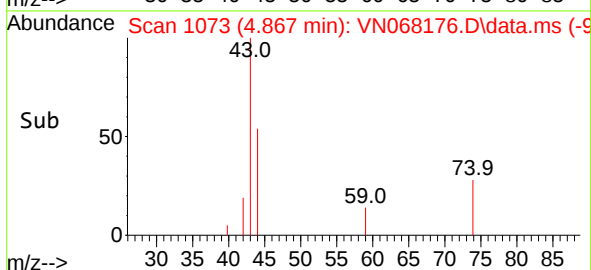
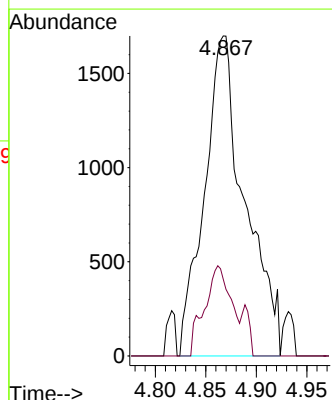
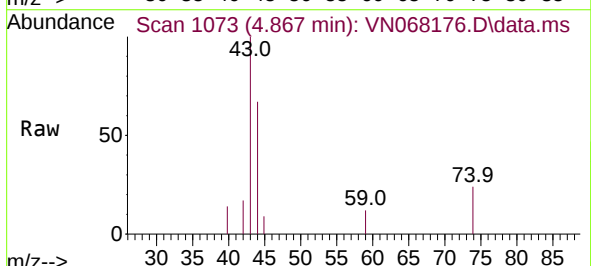
Instrument :
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ClientSampleId :
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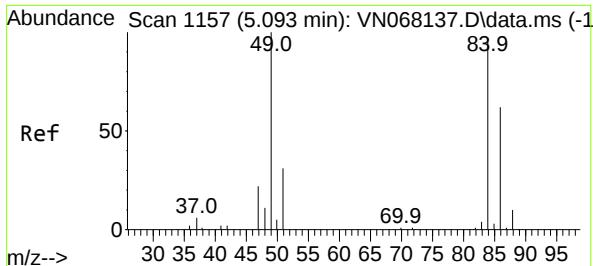
Tgt Ion: 43 Resp: 1630
Ion Ratio Lower Upper
43 100
58 31.9 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

Tgt Ion: 43 Resp: 4733
Ion Ratio Lower Upper
43 100
74 18.6 17.4 26.0





#20

Methylene Chloride

Concen: Below Cal

RT: 5.093 min Scan# 1157

Delta R.T. -0.000 min

Lab File: VN068176.D

Acq: 18 Aug 2021 5:58

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 84 Resp: 2478

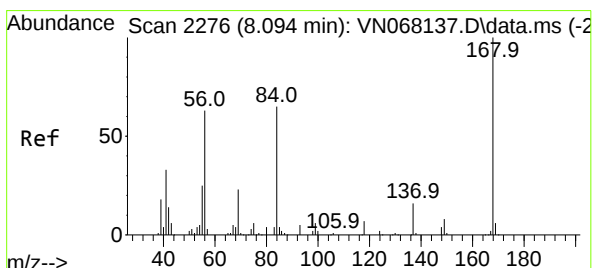
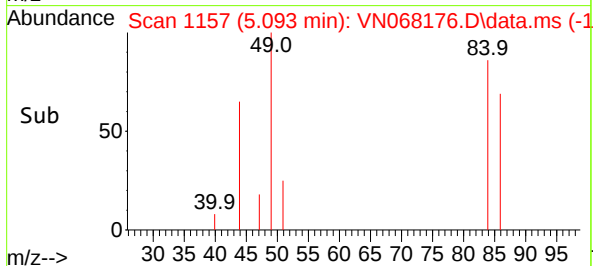
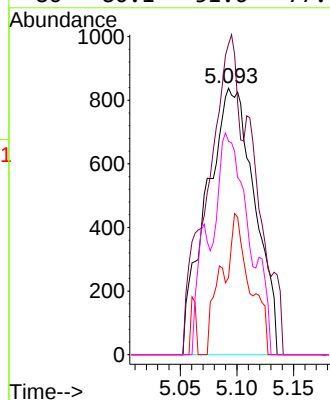
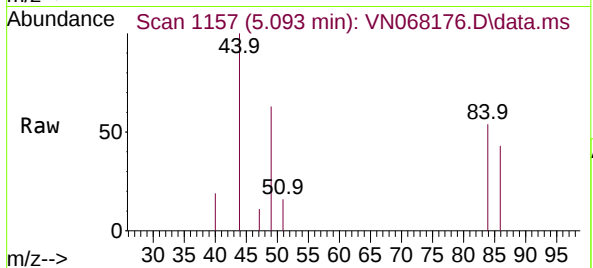
Ion Ratio Lower Upper

84 100

49 116.5 110.9 166.3

51 28.9 32.6 49.0#

86 80.1 51.6 77.4#



#31

Cyclohexane

Concen: 1.267 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN068176.D

Acq: 18 Aug 2021 5:58

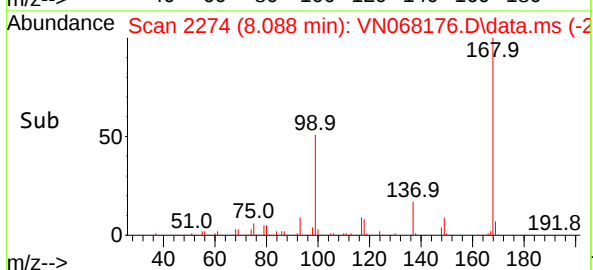
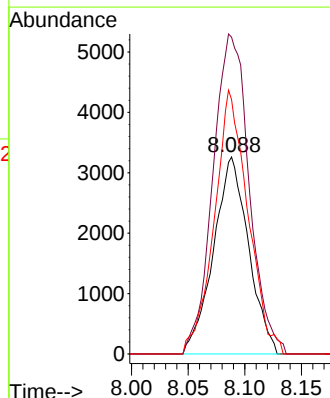
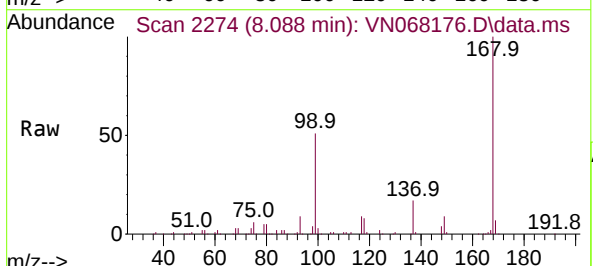
Tgt Ion: 56 Resp: 7006

Ion Ratio Lower Upper

56 100

69 160.8 27.3 40.9#

84 129.1 64.9 97.3#

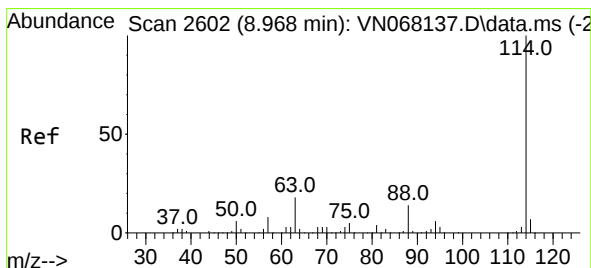
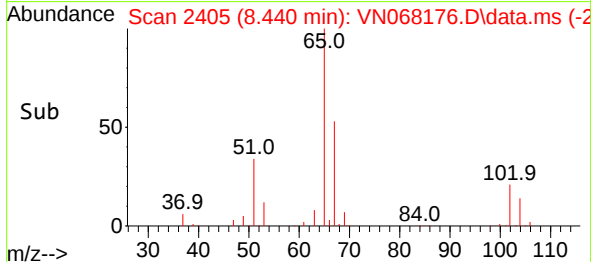
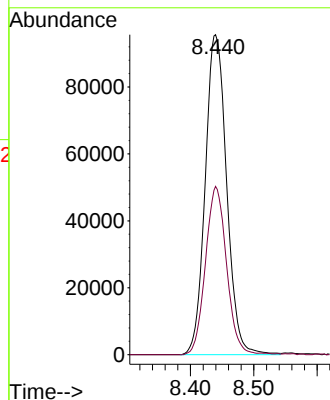
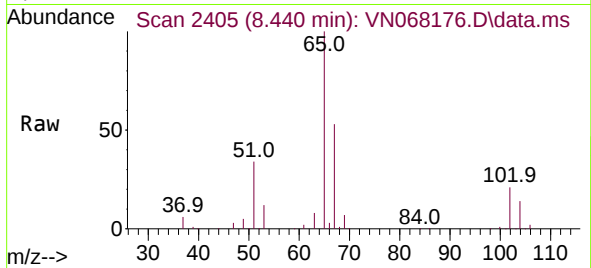




#33
 1,2-Dichloroethane-d4
 Concen: 53.612 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068176.D
 Acq: 18 Aug 2021 5:58

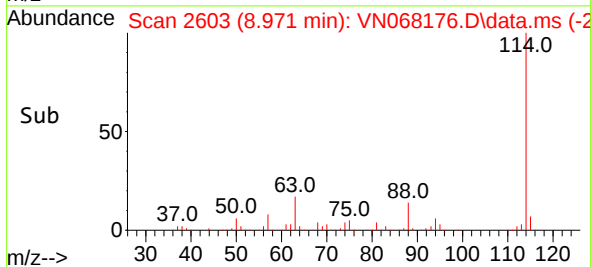
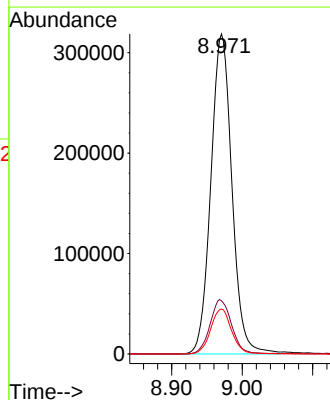
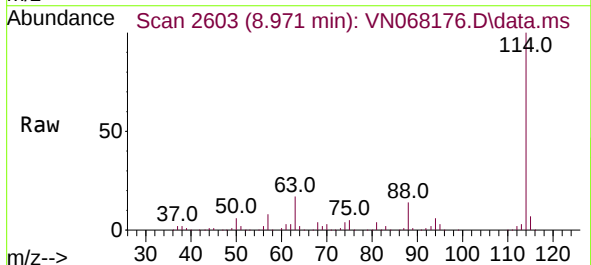
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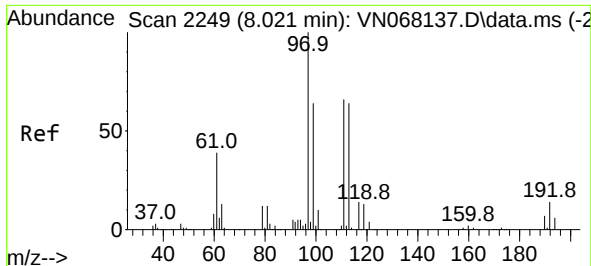
Tgt Ion: 65 Resp: 225121
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068176.D
 Acq: 18 Aug 2021 5:58

Tgt Ion: 114 Resp: 661450
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 49.0
 88 14.1 0.0 36.6

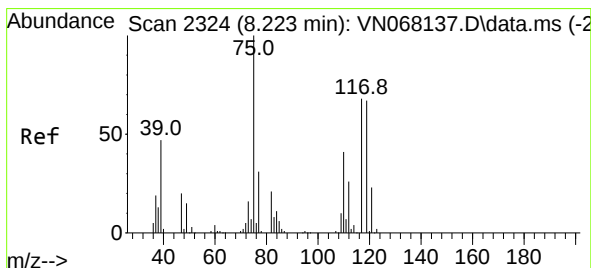
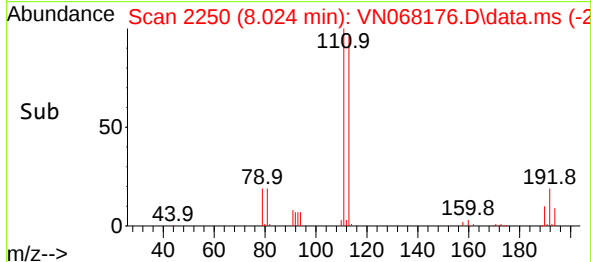
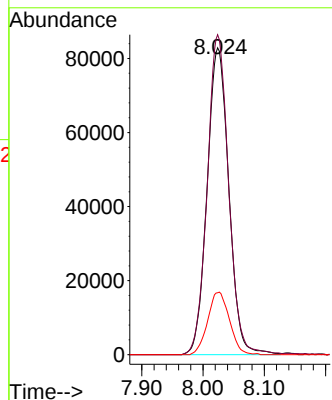
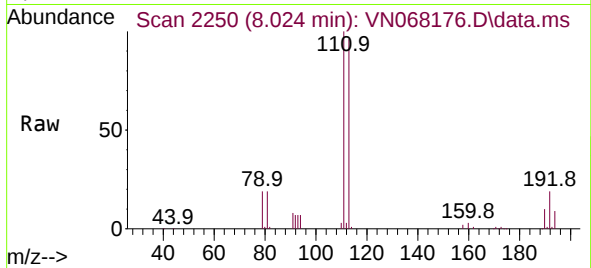




#35
Dibromofluoromethane
Concen: 49.256 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

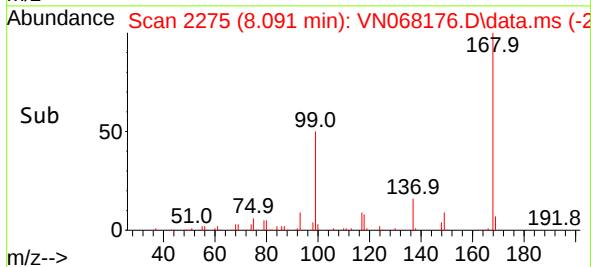
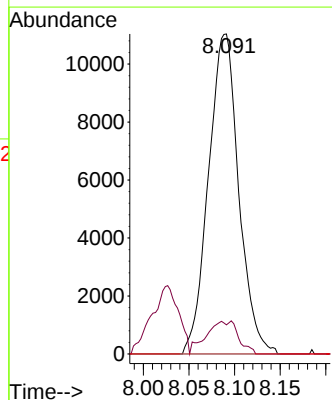
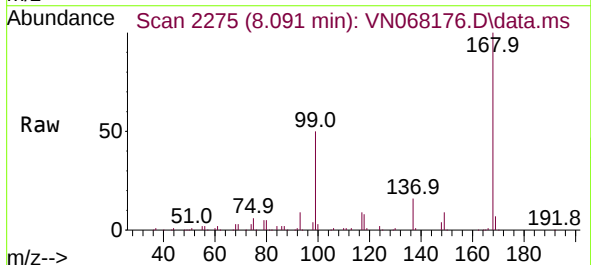
Instrument :
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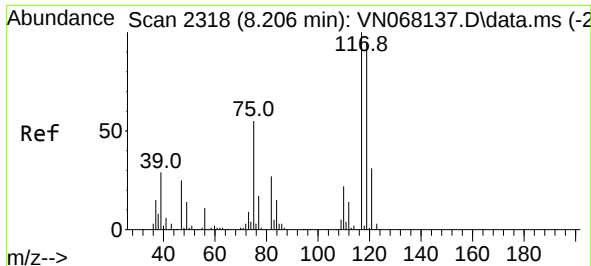
Tgt Ion:113 Resp: 204549
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.8
192 20.3 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.721 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.132 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

Tgt Ion: 75 Resp: 25527
Ion Ratio Lower Upper
75 100
110 7.0 15.7 47.0#
77 0.0 24.6 37.0#

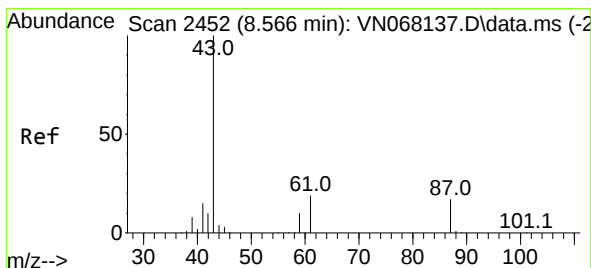
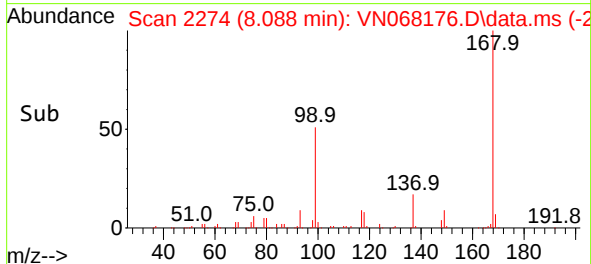
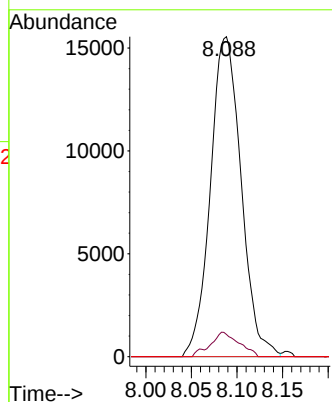
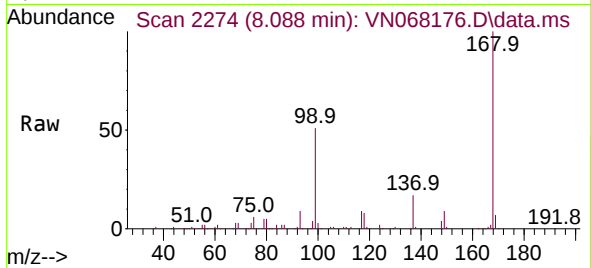




#38
Carbon Tetrachloride
Concen: 5.842 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

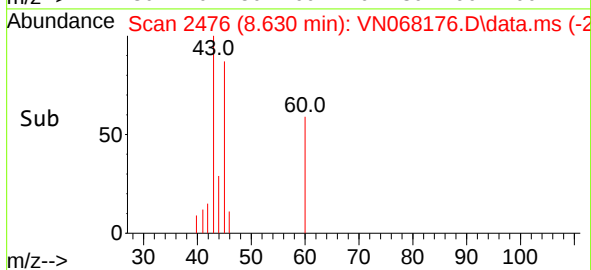
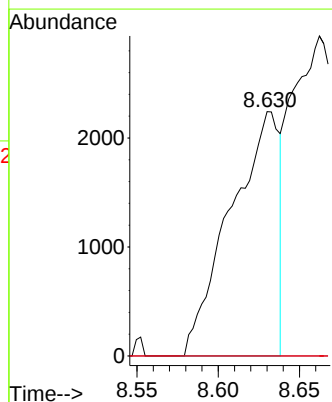
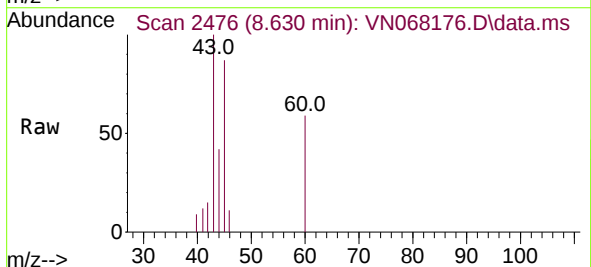
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

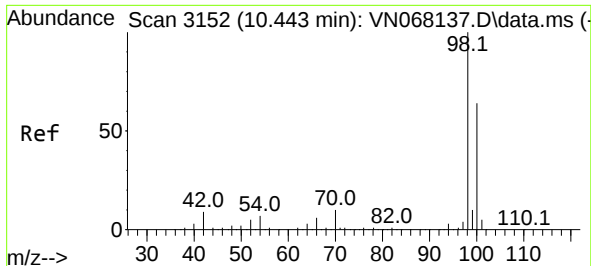
Tgt Ion:117 Resp: 36435
Ion Ratio Lower Upper
117 100
119 6.9 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.634 ug/l
RT: 8.630 min Scan# 2476
Delta R.T. 0.064 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

Tgt Ion: 43 Resp: 4681
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

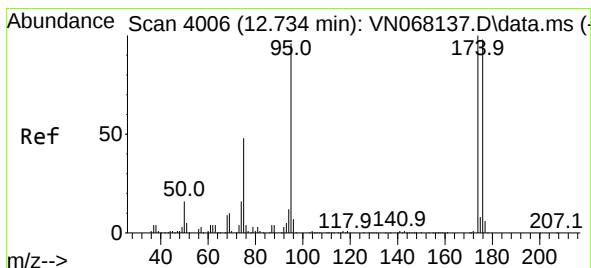
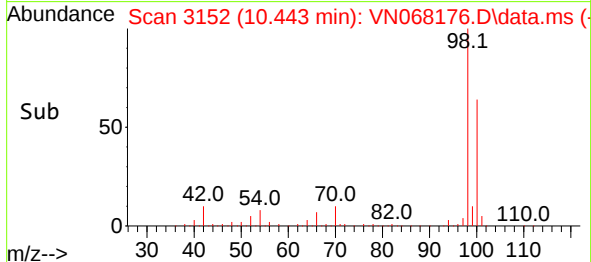
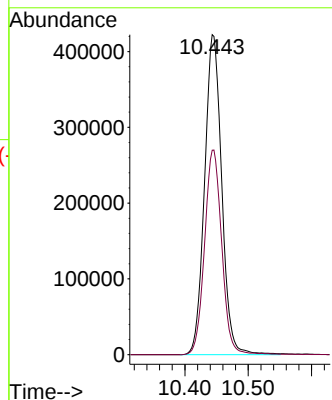
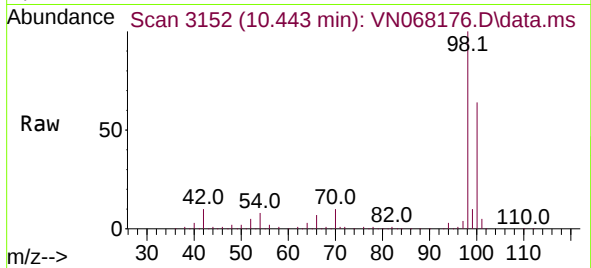




#50
Toluene-d8
Concen: 50.220 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

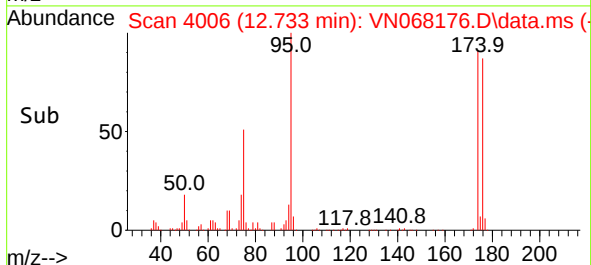
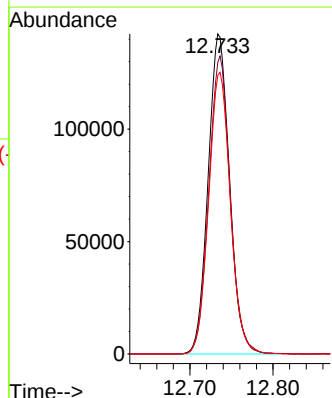
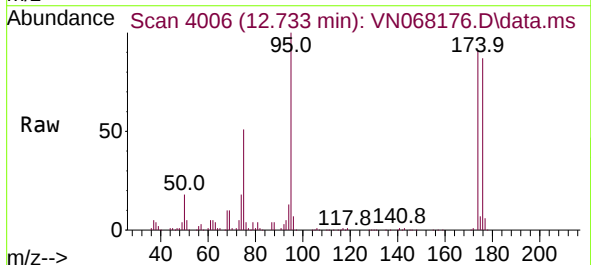
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

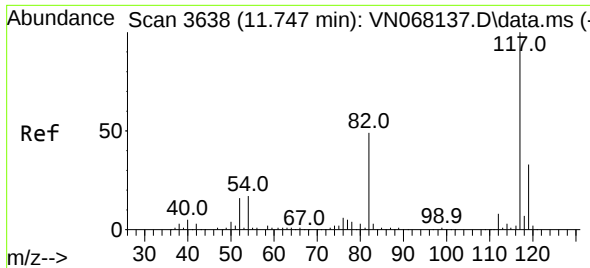
Tgt Ion: 98 Resp: 794655
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 48.447 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

Tgt Ion: 95 Resp: 255195
Ion Ratio Lower Upper
95 100
174 92.8 0.0 122.0
176 88.9 0.0 117.6

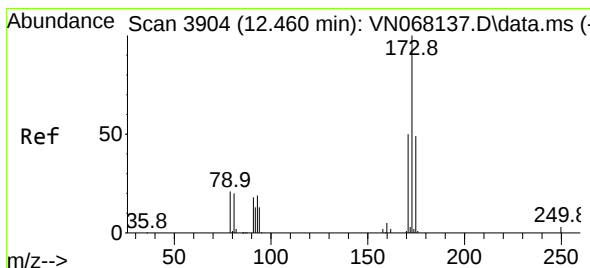
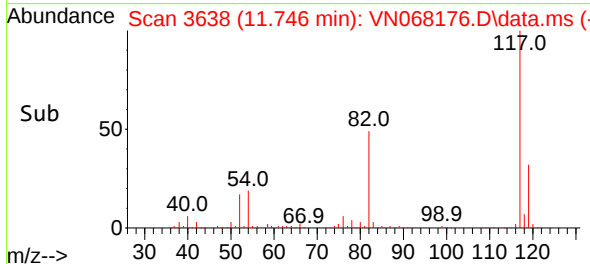
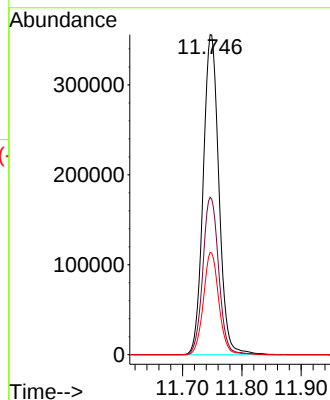
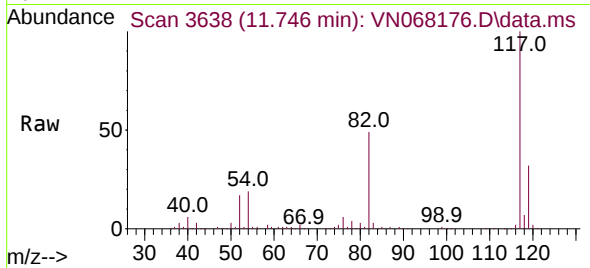




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

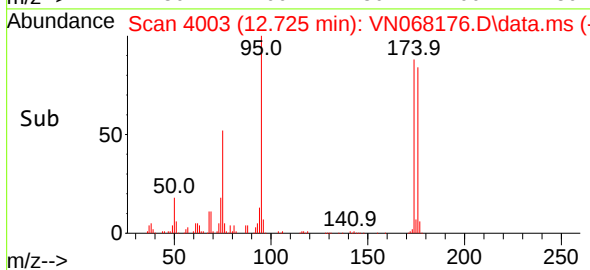
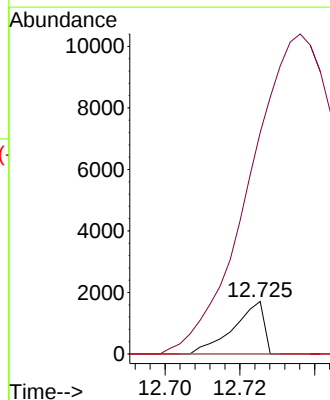
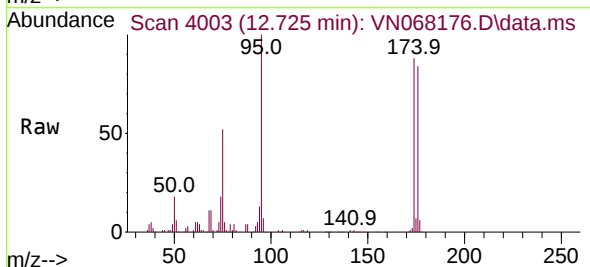
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

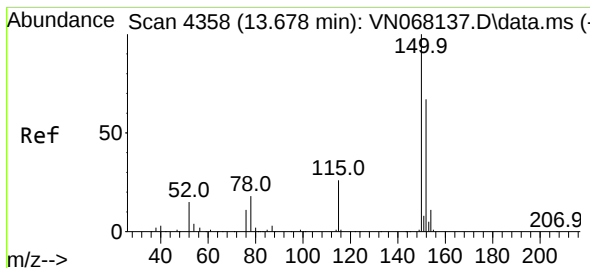
Tgt Ion:117 Resp: 654266
Ion Ratio Lower Upper
117 100
82 49.2 53.1 79.7#
119 31.9 25.5 38.3



#71
Bromoform
Concen: 0.238 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

Tgt Ion:173 Resp: 966
Ion Ratio Lower Upper
173 100
175 1717.9 23.9 71.8#
254 0.0 0.0 0.0



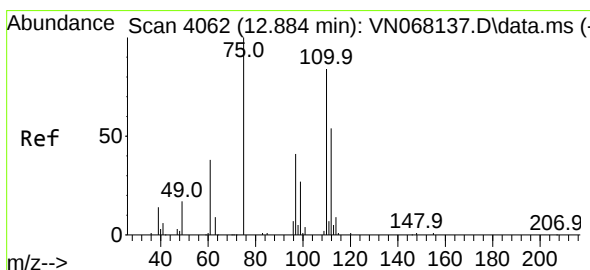
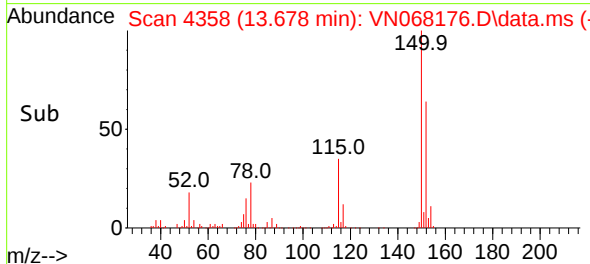
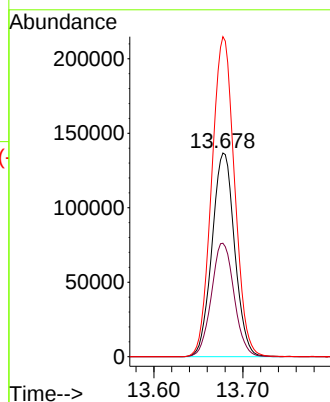
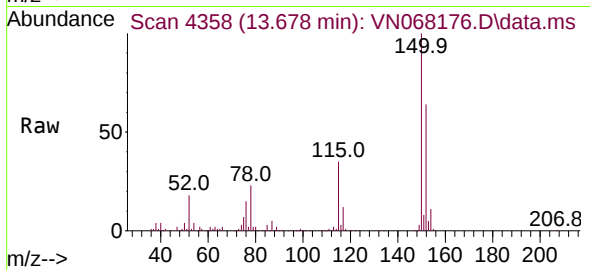


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

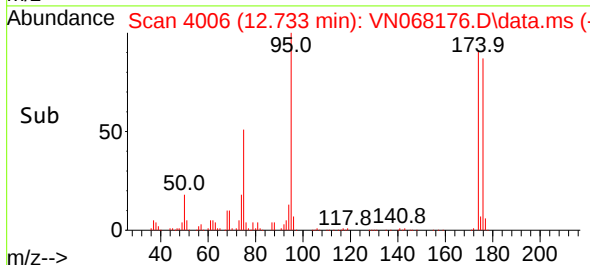
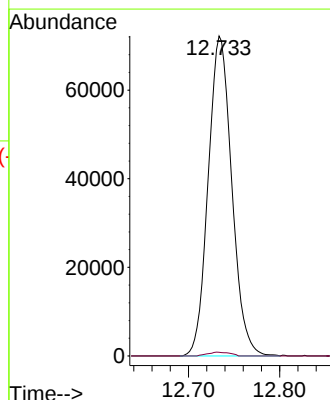
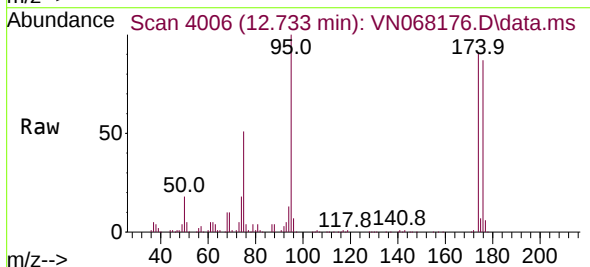
Tgt Ion:152 Resp: 241539
Ion Ratio Lower Upper
152 100
115 56.0 36.1 108.5
150 158.5 0.0 351.8

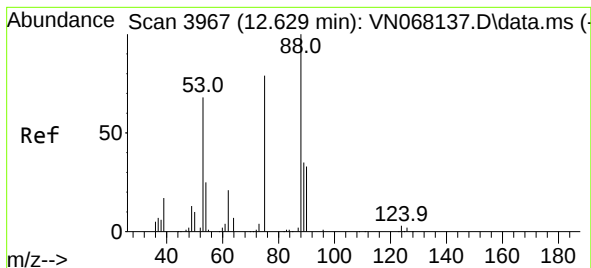


#76

1,2,3-Trichloropropane
Concen: 32.338 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

Tgt Ion: 75 Resp: 129825
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

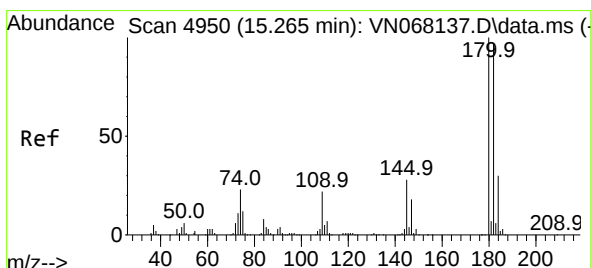
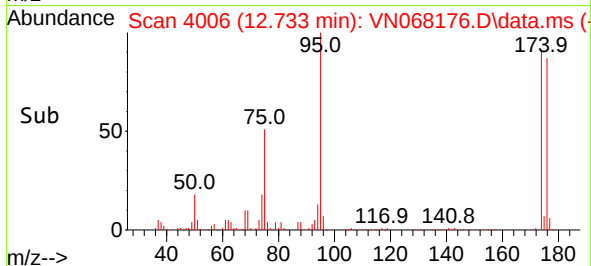
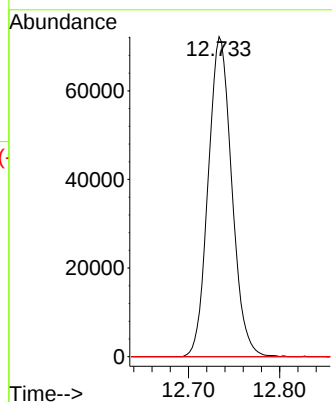
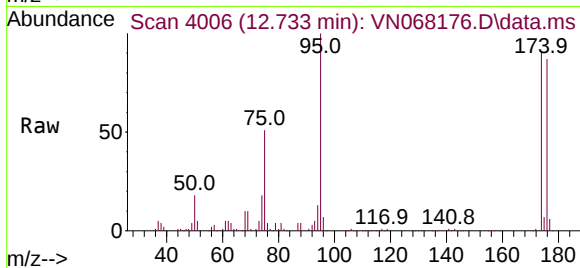




#81
trans-1,4-Dichloro-2-butene
Concen: 105.945 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

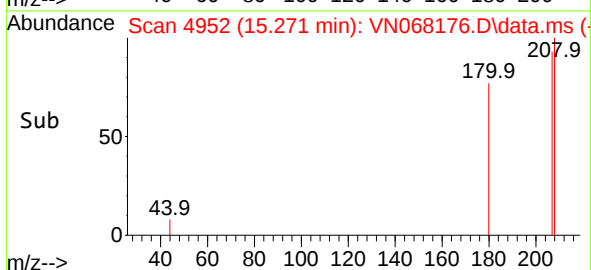
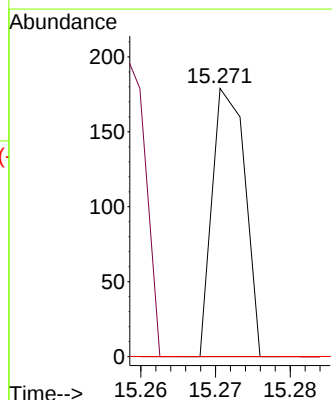
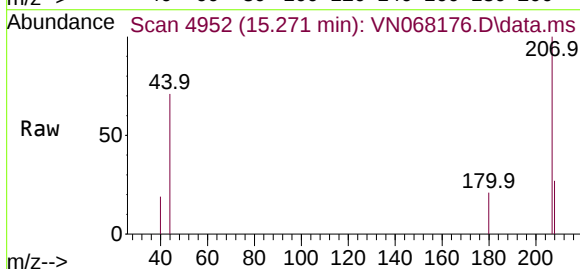
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

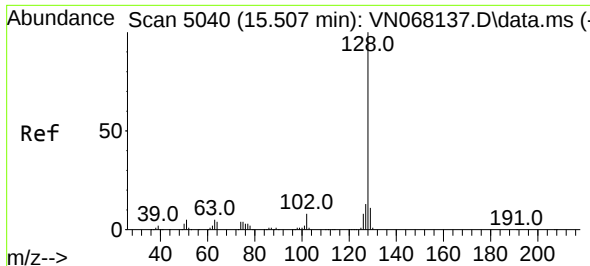
Tgt Ion: 75 Resp: 129825
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.698 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

Tgt Ion:180 Resp: 55
Ion Ratio Lower Upper
180 100
182 161.8 47.5 142.5#
145 0.0 17.2 51.6#

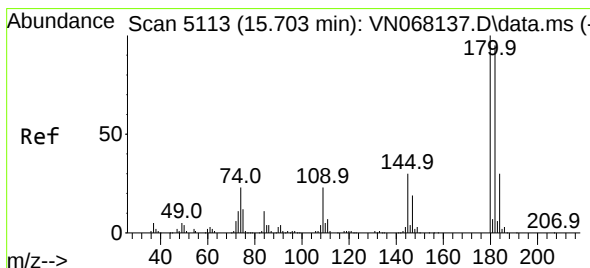
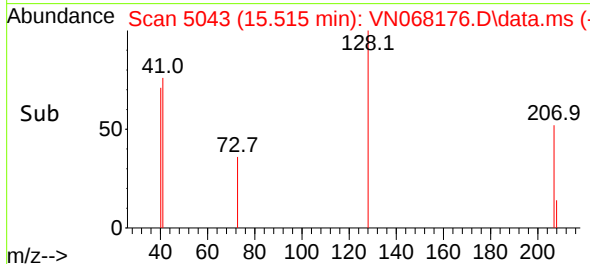
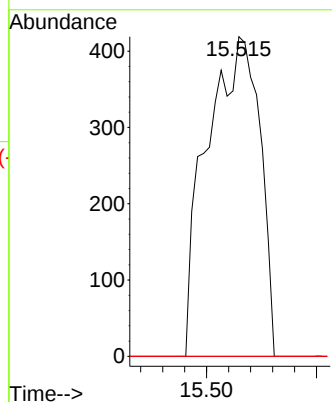
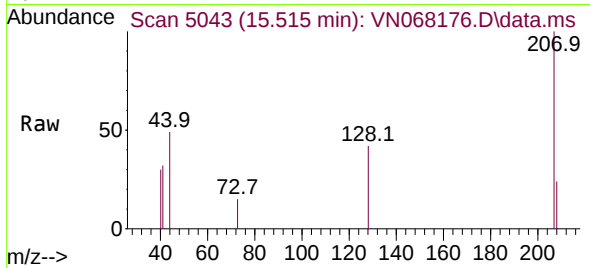




#95
Naphthalene
Concen: 3.413 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:128 Resp: 700
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: 2.838 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.005 min
Lab File: VN068176.D
Acq: 18 Aug 2021 5:58

Tgt Ion:180 Resp: 25
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 18.2 54.6#

