

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090821\
 Data File : VN068433.D
 Acq On : 8 Sep 2021 11:56
 Operator : JC/MD
 Sample : M3664-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(SEP)

Quant Time: Sep 09 03:32:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 03 13:24:01 2021
 Response via : Initial Calibration

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

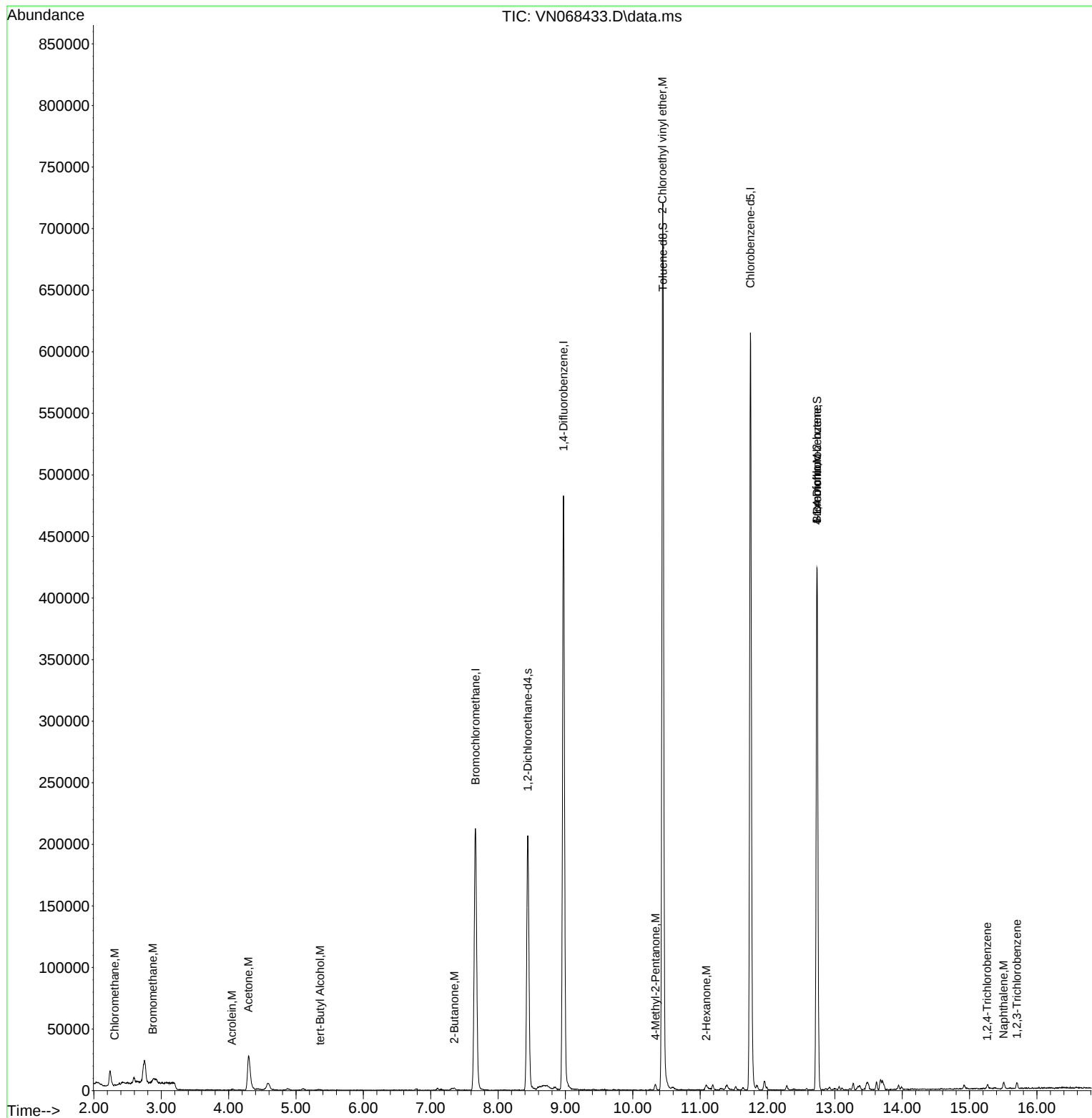
Internal Standards						
1) Bromochloromethane	7.665	128	88714	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	464299	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.747	117	396878	30.000	ug/l	# 0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	176294	33.519	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 111.733%#		
60) 4-Bromofluorobenzene	12.736	95	149365	26.576	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 88.600%		
63) Toluene-d8	10.446	98	541116	30.617	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 102.067%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	1499	0.369	ug/l	# 80
5) Bromomethane	2.875	94	1209	0.218	ug/l	84
13) Acrolein	4.049	56	263	0.659	ug/l	97
15) Acetone	4.293	58	8103	15.265	ug/l	88
23) tert-Butyl Alcohol	5.358	59	181	0.273	ug/l	# 100
30) 2-Butanone	7.351	43	1041	0.437	ug/l	# 84
55) 2-Chloroethyl vinyl ether	10.441	63	281	46.564	ug/l	# 57
56) Bromoform	12.734	173	1607	0.334	ug/l	# 1
58) 4-Methyl-2-Pentanone	10.339	43	3454	0.748	ug/l	# 81
59) 2-Hexanone	11.092	43	1839	0.574	ug/l	# 93
77) t-1,4-Dichloro-2-butene	12.734	75	75896	49.798	ug/l	# 6
89) 1,2,4-Trichlorobenzene	15.260	180	1555	0.260	ug/l	# 63
91) Naphthalene	15.504	128	5939	0.470	ug/l	# 78
92) 1,2,3-Trichlorobenzene	15.703	180	2186	0.384	ug/l	85

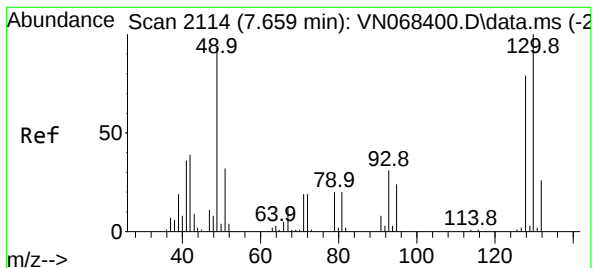
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.665 min Scan# 2116

Delta R.T. 0.006 min

Lab File: VN068433.D

Acq: 8 Sep 2021 11:56

Tgt Ion:128 Resp: 88714

Ion Ratio Lower Upper

128 100

49 120.7 0.0 517.5

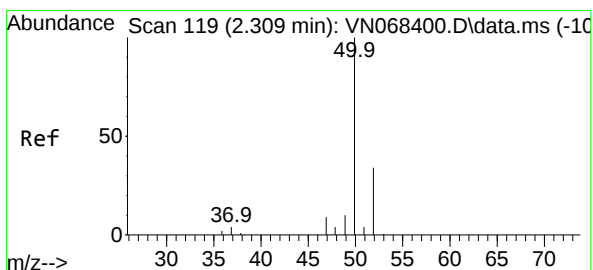
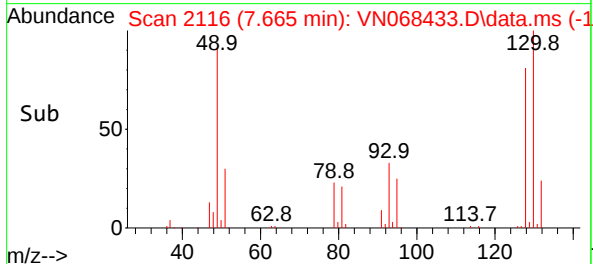
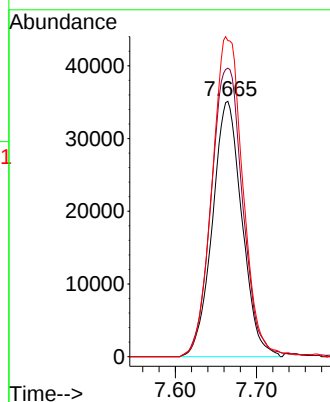
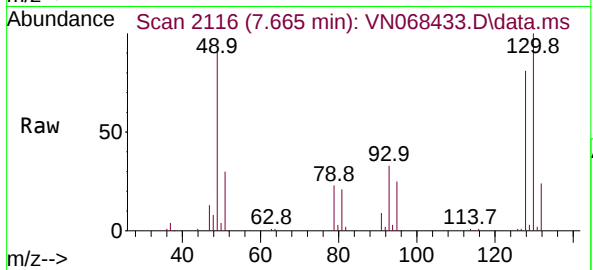
130 77.4 0.0 325.8

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(SEP)



#3

Chloromethane

Concen: 0.369 ug/l

RT: 2.309 min Scan# 119

Delta R.T. 0.000 min

Lab File: VN068433.D

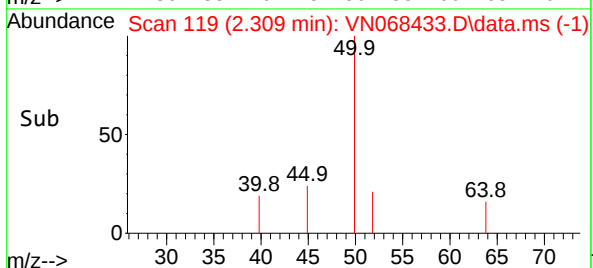
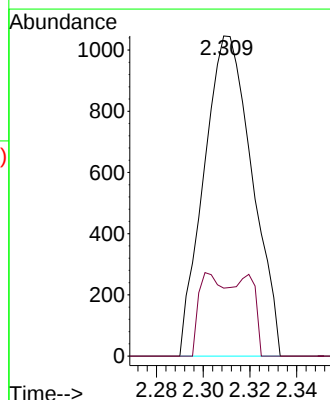
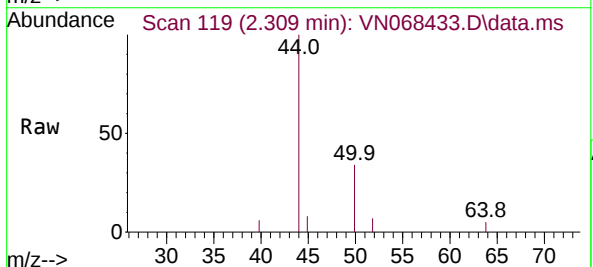
Acq: 8 Sep 2021 11:56

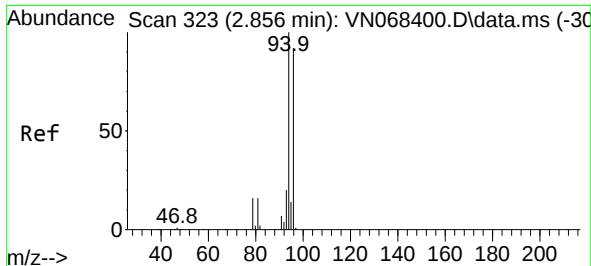
Tgt Ion: 50 Resp: 1499

Ion Ratio Lower Upper

50 100

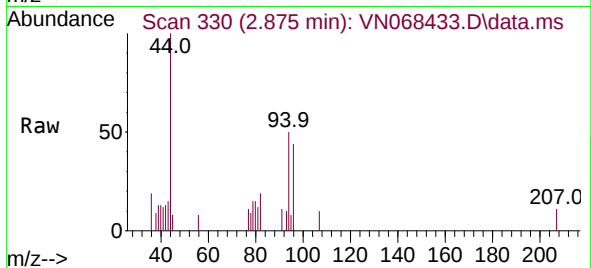
52 21.2 26.0 39.0#



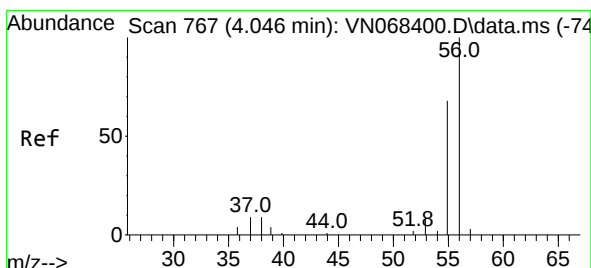
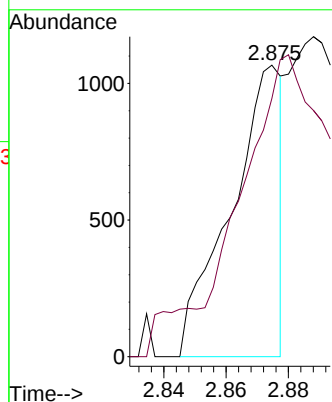
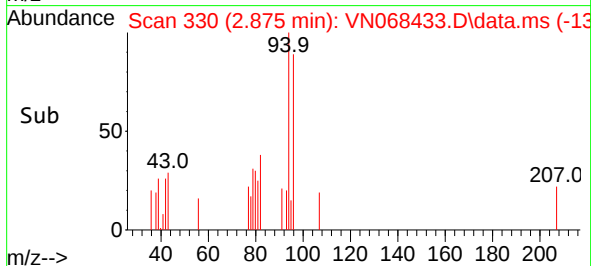


#5
Bromomethane
Concen: 0.218 ug/l
RT: 2.875 min Scan# 330
Delta R.T. 0.019 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

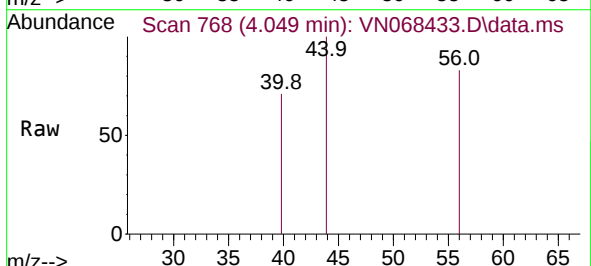
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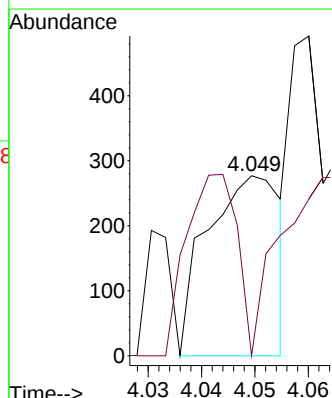
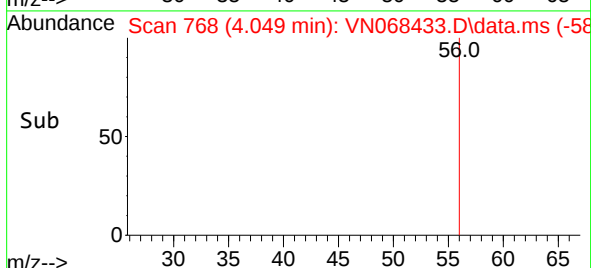
Tgt Ion: 94 Resp: 1209
Ion Ratio Lower Upper
94 100
96 72.3 69.4 104.2

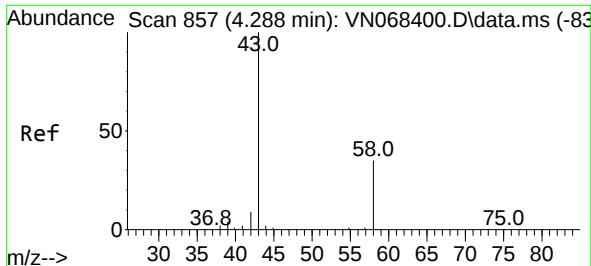


#13
Acrolein
Concen: 0.659 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.003 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56



Tgt Ion: 56 Resp: 263
Ion Ratio Lower Upper
56 100
55 69.2 57.5 86.3

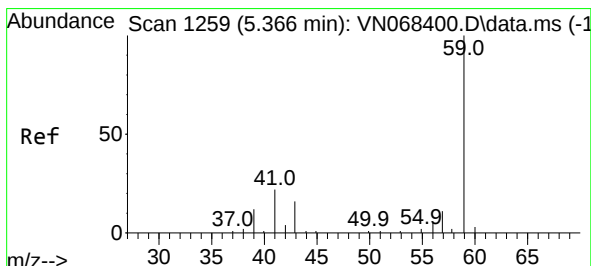
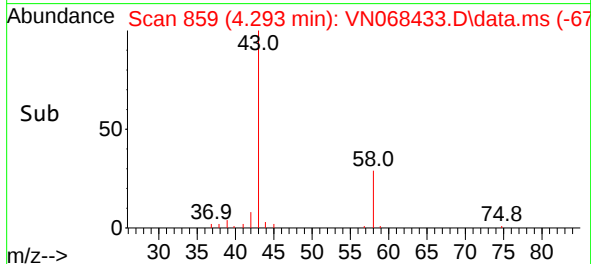
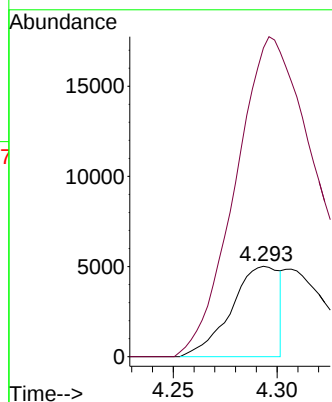
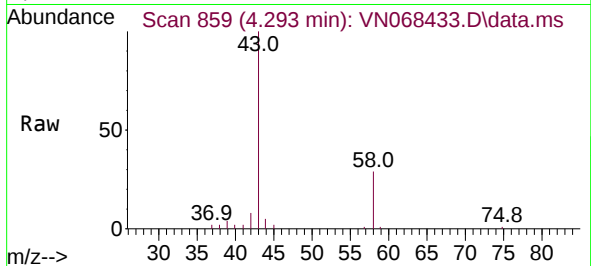




#15
Acetone
Concen: 15.265 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.006 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

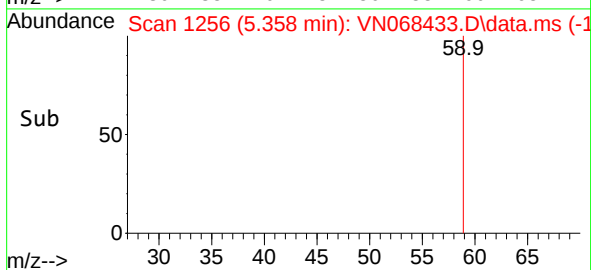
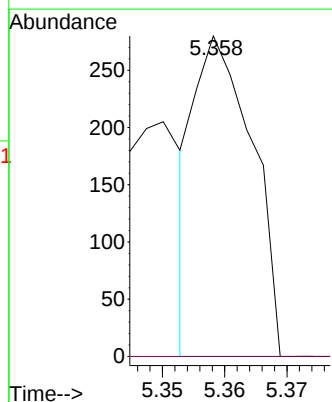
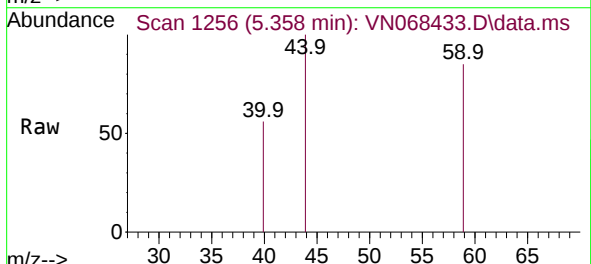
Instrument :
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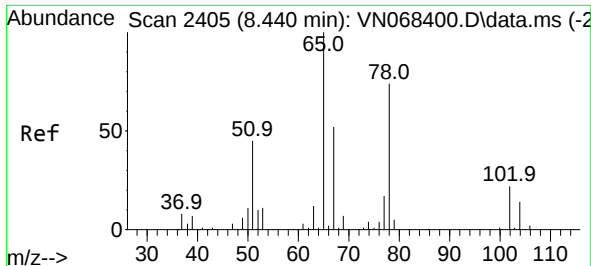
Tgt Ion: 58 Resp: 8103
Ion Ratio Lower Upper
58 100
43 336.4 289.6 434.4



#23
tert-Butyl Alcohol
Concen: 0.273 ug/l
RT: 5.358 min Scan# 1256
Delta R.T. -0.008 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

Tgt Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



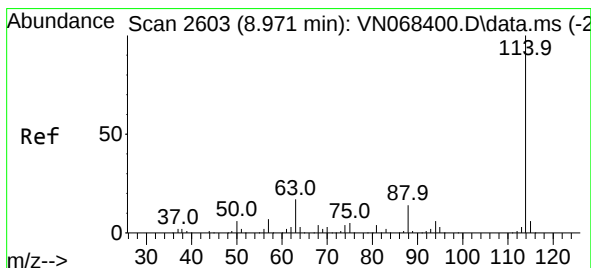
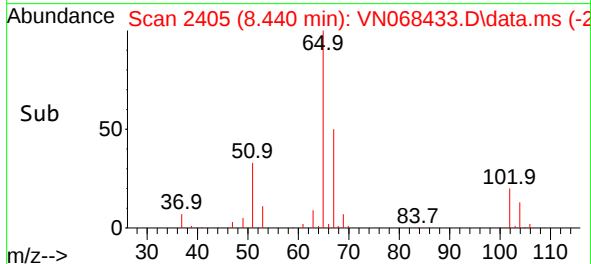
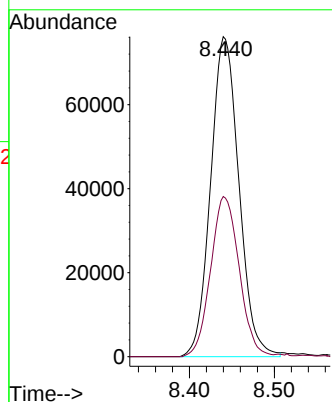
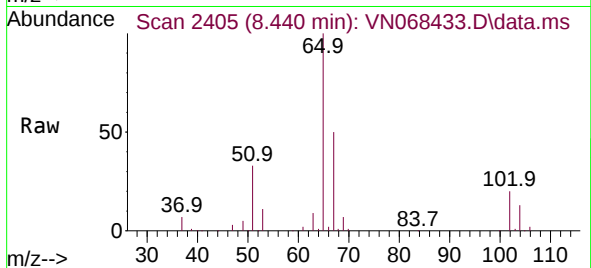


#27

1,2-Dichloroethane-d4
Concen: 33.519 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

Instrument :
MSVOA_N
ClientSampleId :
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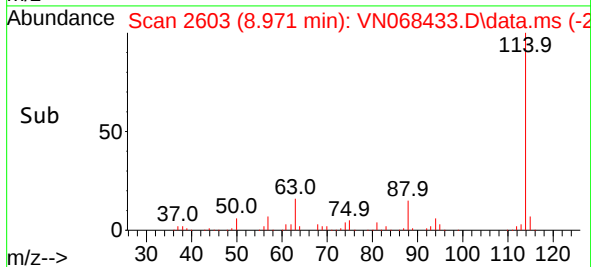
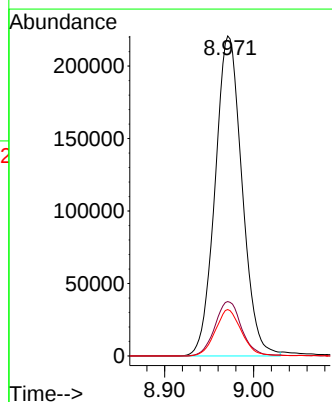
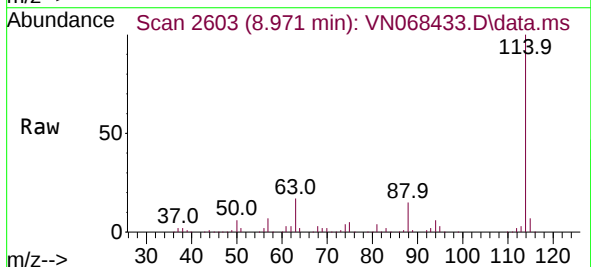
Tgt Ion: 65 Resp: 176294
Ion Ratio Lower Upper
65 100
67 50.4 39.8 59.8

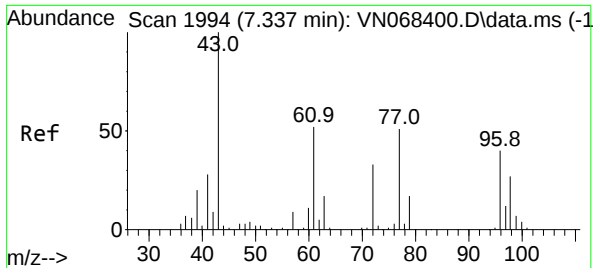


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

Tgt Ion: 114 Resp: 464299
Ion Ratio Lower Upper
114 100
63 16.9 20.3 30.5#
88 14.1 14.6 22.0#

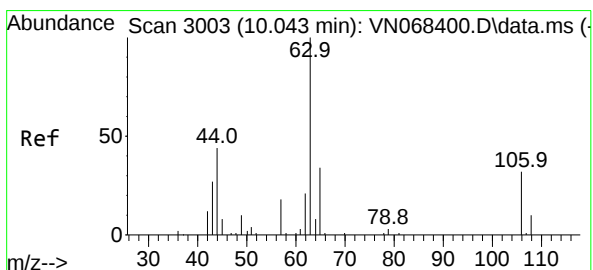
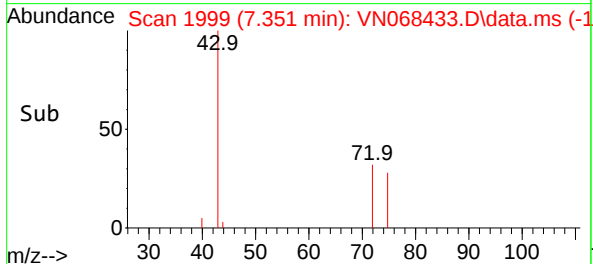
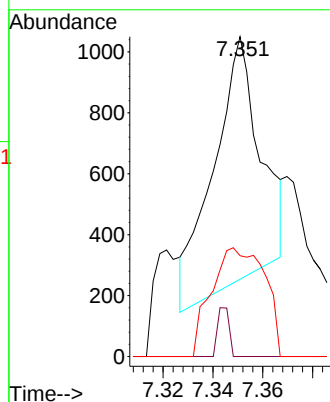
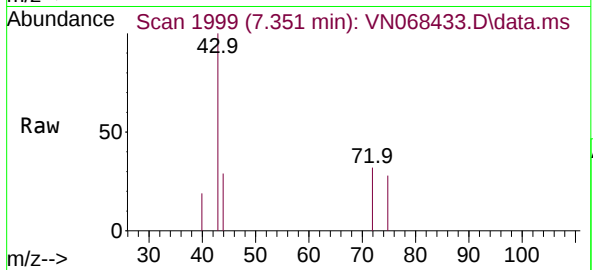




#30
2-Butanone
Concen: 0.437 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.014 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

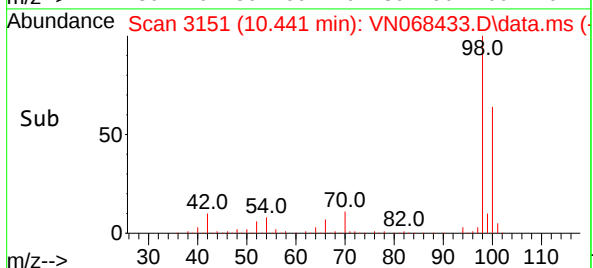
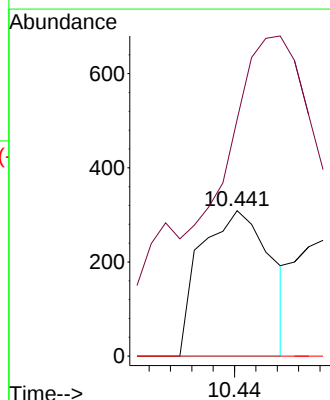
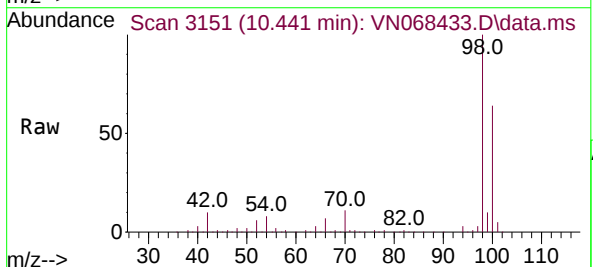
Instrument :
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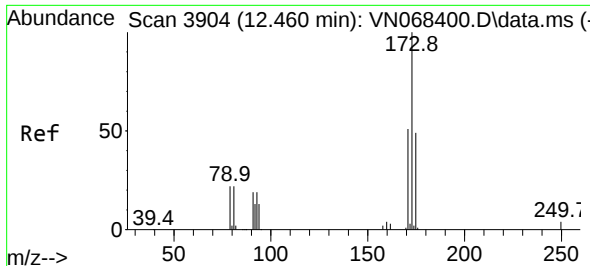
Tgt Ion: 43 Resp: 1041
Ion Ratio Lower Upper
43 100
57 4.9 6.9 10.3#
72 34.2 20.0 30.0#



#55
2-Chloroethyl vinyl ether
Concen: 46.564 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. 0.398 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

Tgt Ion: 63 Resp: 281
Ion Ratio Lower Upper
63 100
65 52.7 25.6 38.4#
106 0.0 20.0 30.0#

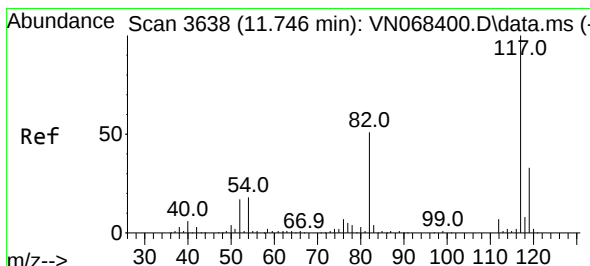
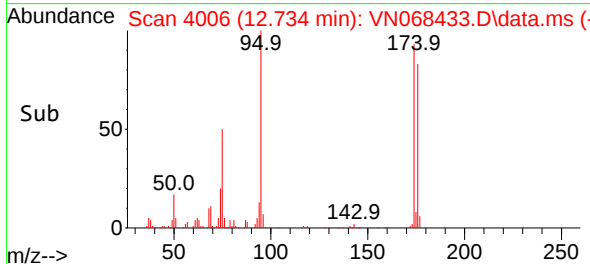
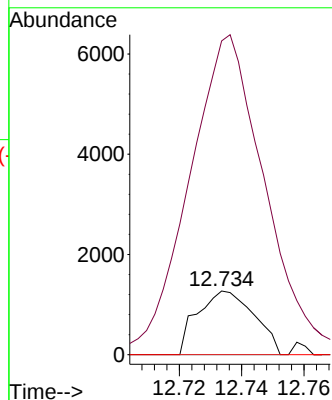
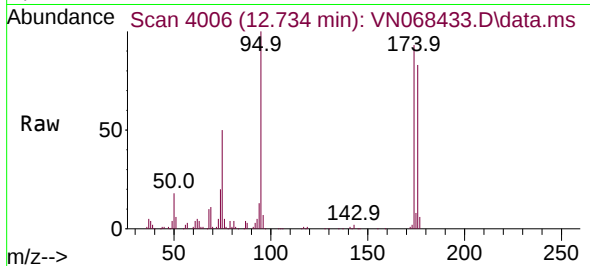




#56
Bromoform
Concen: 0.334 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

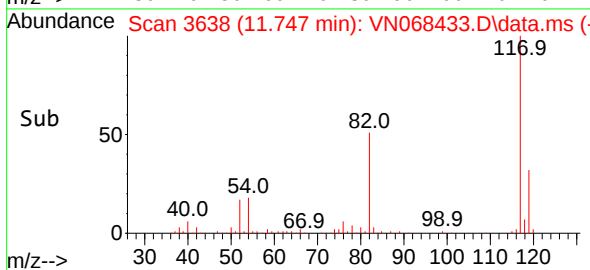
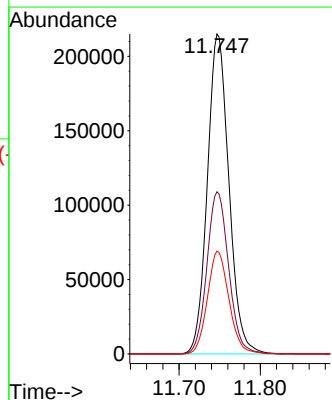
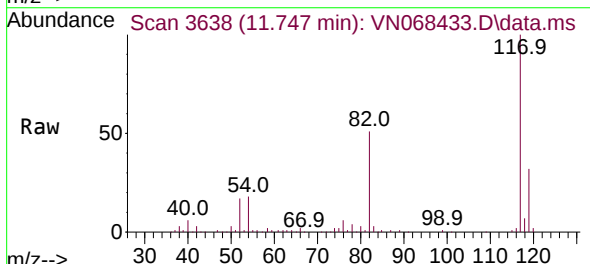
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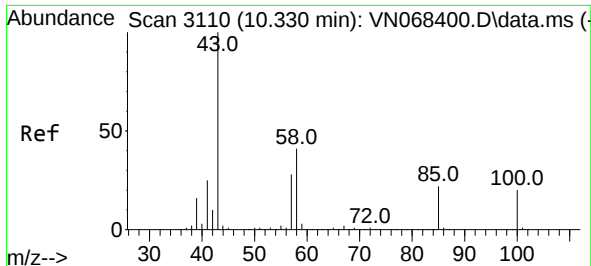
Tgt Ion:173 Resp: 1607
Ion Ratio Lower Upper
173 100
175 668.1 39.4 59.2#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

Tgt Ion:117 Resp: 396878
Ion Ratio Lower Upper
117 100
82 51.3 52.5 78.7#
119 32.1 25.8 38.8

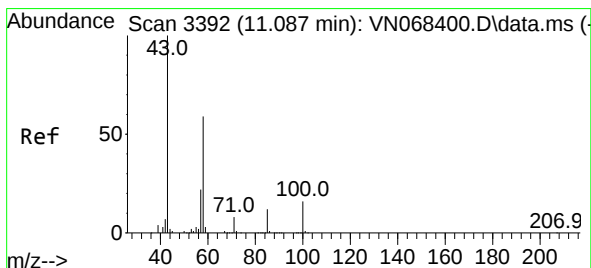
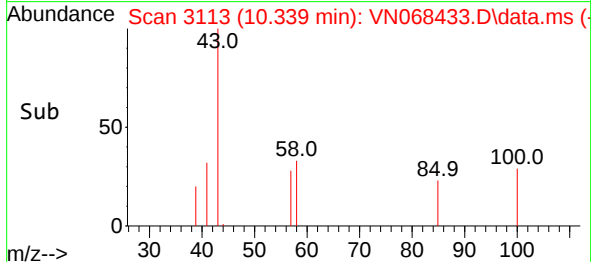
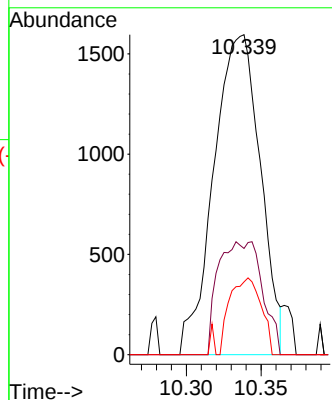
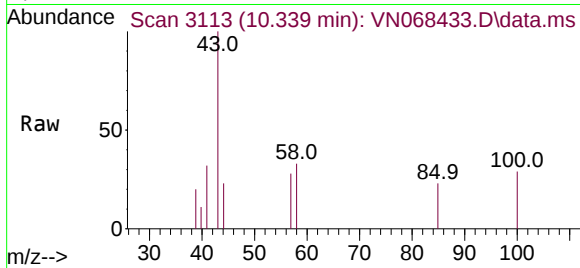




#58
4-Methyl-2-Pentanone
Concen: 0.748 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.008 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

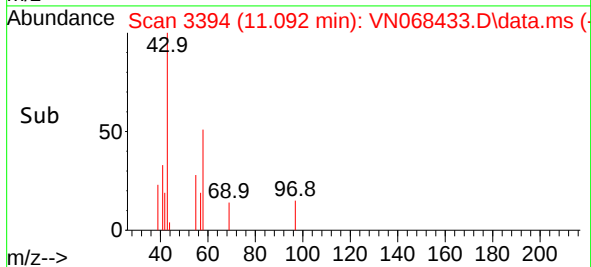
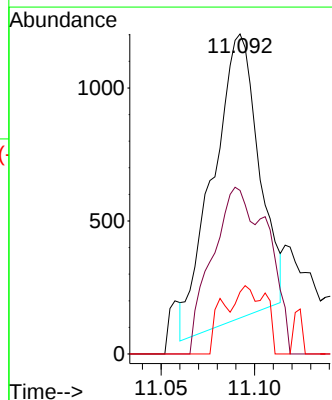
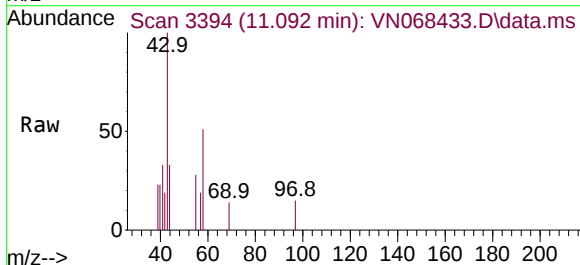
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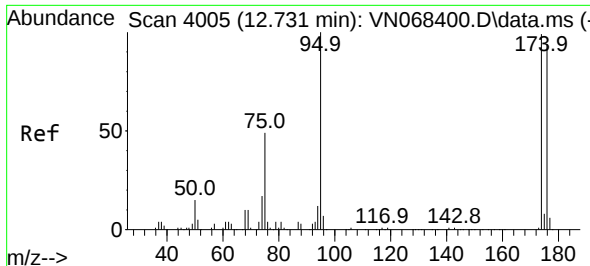
Tgt Ion: 43 Resp: 3454
Ion Ratio Lower Upper
43 100
58 20.2 29.0 43.4#
85 16.2 13.2 19.8



#59
2-Hexanone
Concen: 0.574 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

Tgt Ion: 43 Resp: 1839
Ion Ratio Lower Upper
43 100
58 50.8 39.4 59.0
57 9.8 14.4 21.6#

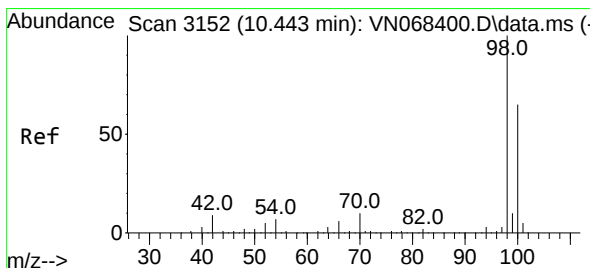
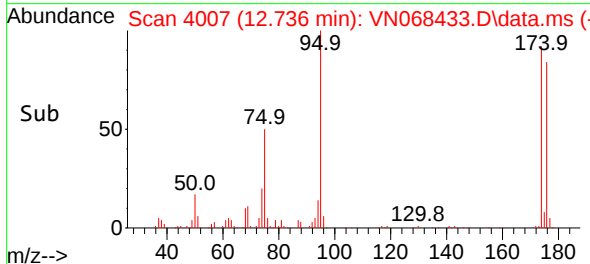
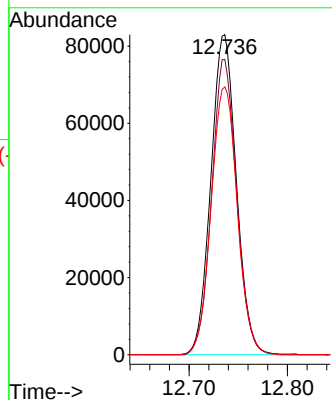
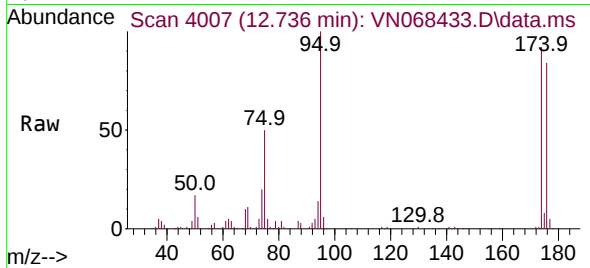




#60
4-Bromofluorobenzene
Concen: 26.576 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.006 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

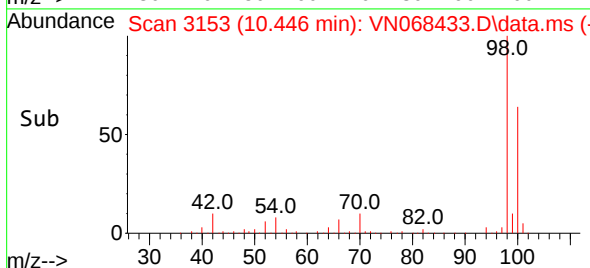
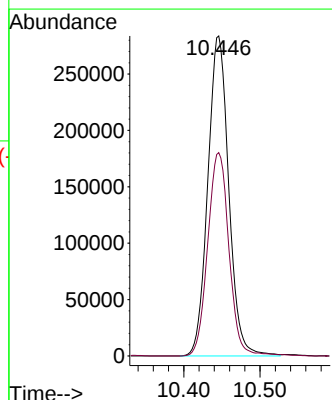
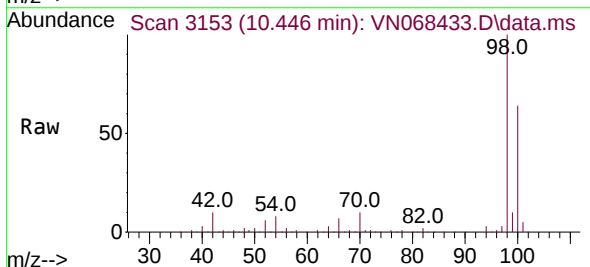
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(SEP)

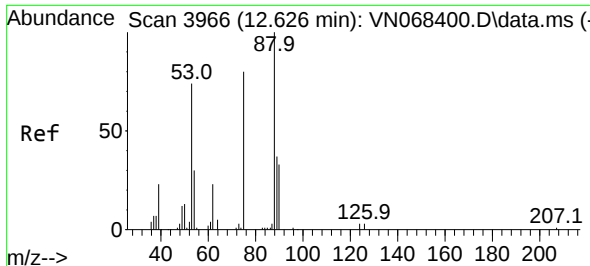
Tgt Ion: 95 Resp: 149365
Ion Ratio Lower Upper
95 100
174 90.5 47.7 71.5#
176 86.1 45.7 68.5#



#63
Toluene-d8
Concen: 30.617 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

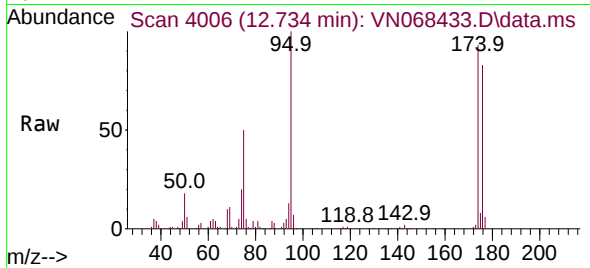
Tgt Ion: 98 Resp: 541116
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8



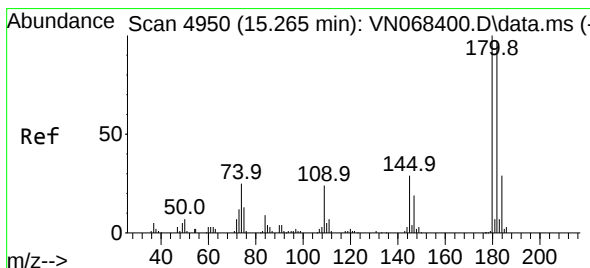
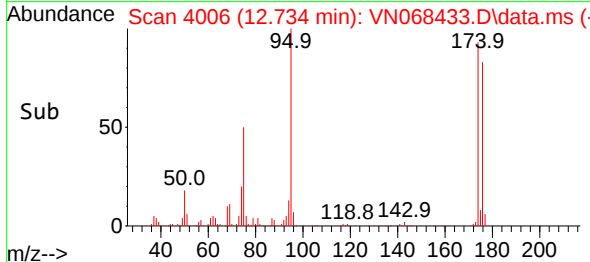
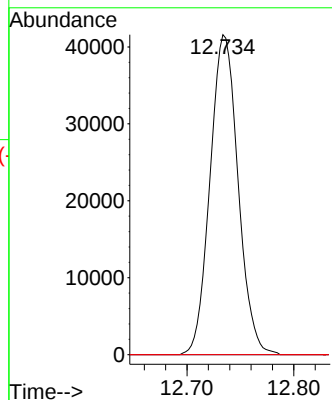


#77
 t-1,4-Dichloro-2-butene
 Concen: 49.798 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.108 min
 Lab File: VN068433.D
 Acq: 8 Sep 2021 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(SEP)

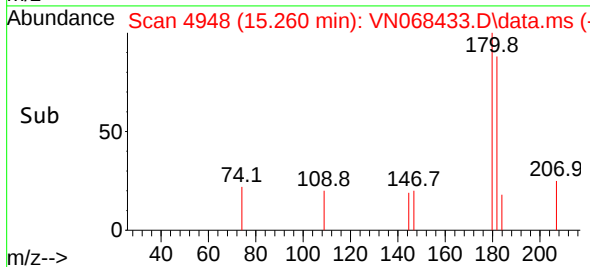
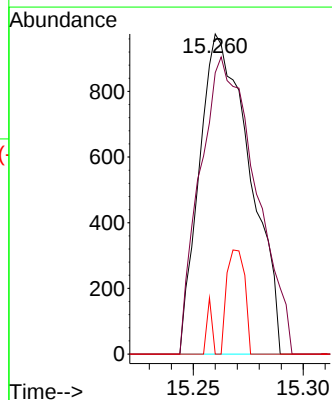
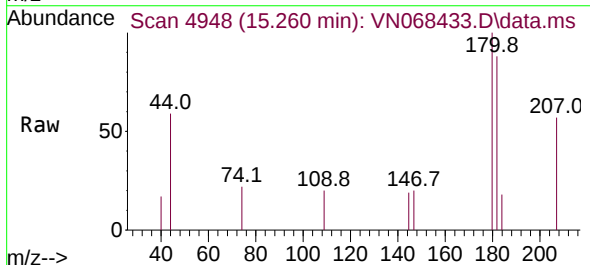


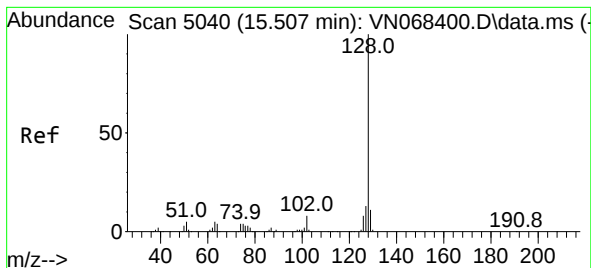
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	55.2	165.6#
89	0.0	24.5	73.5#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.260 ug/l
 RT: 15.260 min Scan# 4948
 Delta R.T. -0.005 min
 Lab File: VN068433.D
 Acq: 8 Sep 2021 11:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	60.7	75.9	113.9#
145	11.6	28.8	43.2#

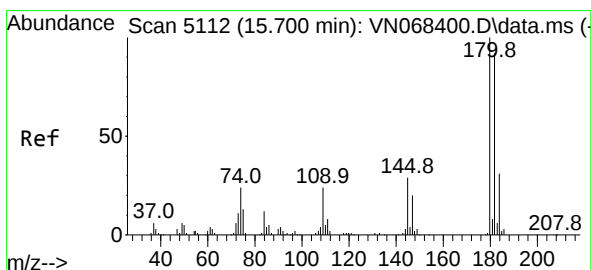
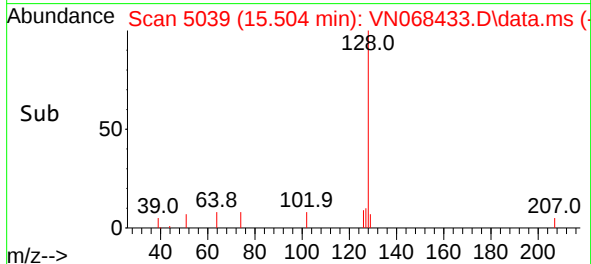
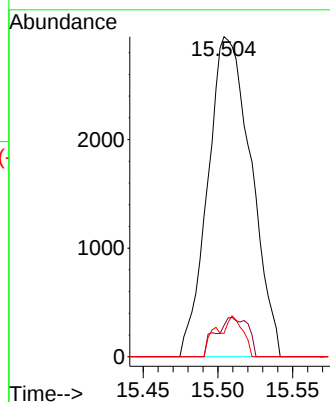
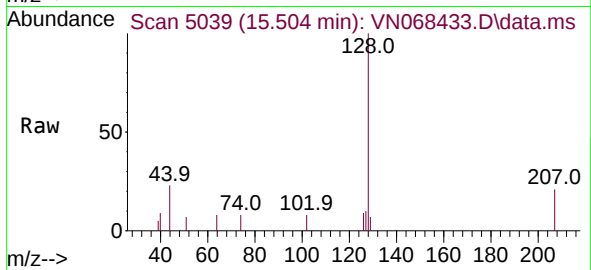




#91
Naphthalene
Concen: 0.470 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.002 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(SEP)

Tgt Ion:128 Resp: 5939
Ion Ratio Lower Upper
128 100
127 2.5 10.1 15.1#
129 4.6 8.9 13.3#



#92
1,2,3-Trichlorobenzene
Concen: 0.384 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.003 min
Lab File: VN068433.D
Acq: 8 Sep 2021 11:56

Tgt Ion:180 Resp: 2186
Ion Ratio Lower Upper
180 100
182 90.3 0.0 184.6
145 9.8 0.0 76.0

