

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090821\
 Data File : VN068429.D
 Acq On : 8 Sep 2021 10:02
 Operator : JC/MD
 Sample : VN0908WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0908WBL01

Quant Time: Sep 09 03:30:29 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)

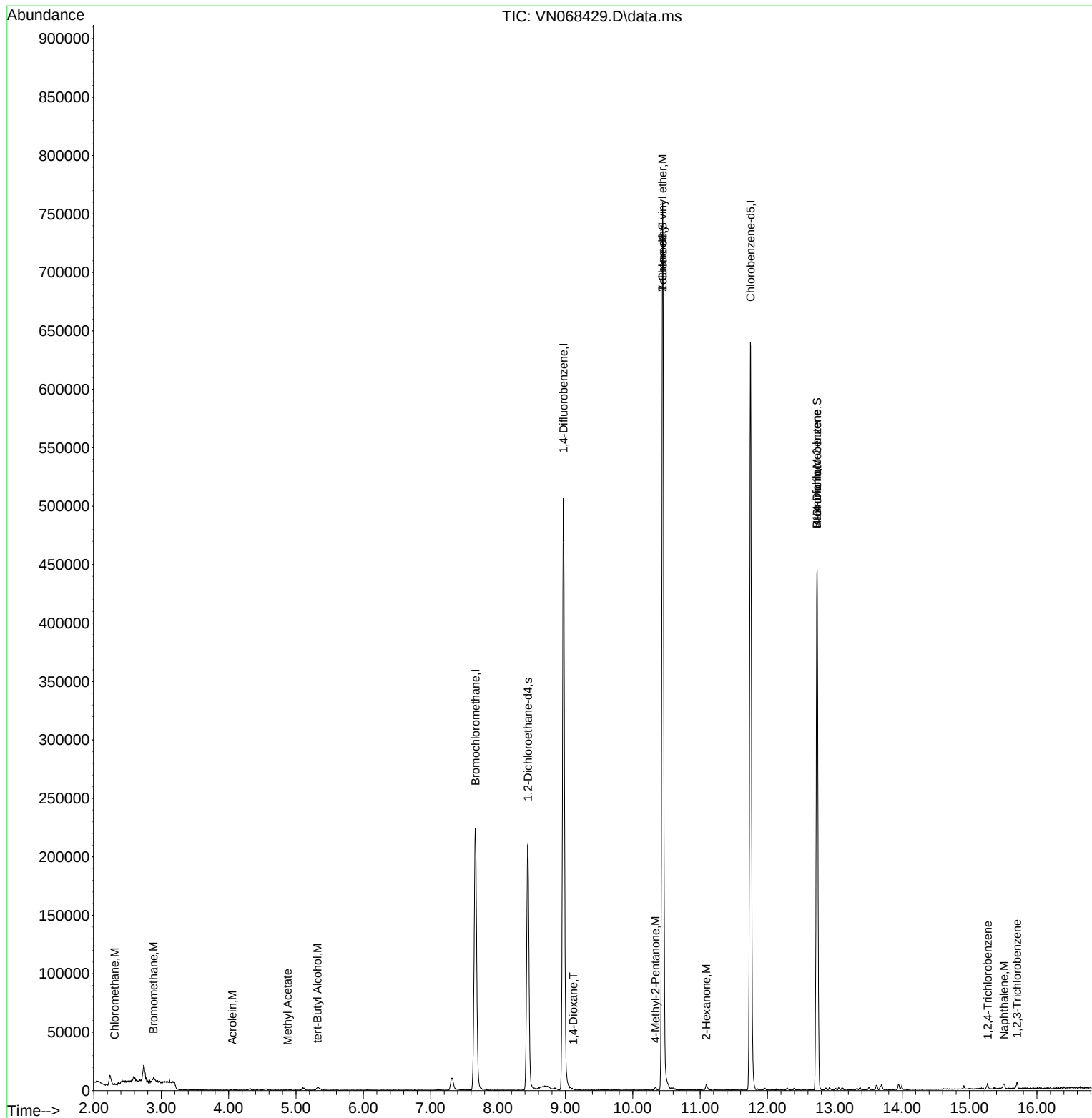
Internal Standards						
1) Bromochloromethane	7.665	128	95592	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	494767	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.749	117	423900	30.000	ug/l	# 0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.442	65	182376	32.181	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 107.267%		
60) 4-Bromofluorobenzene	12.736	95	157405	26.221	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 87.400%		
63) Toluene-d8	10.443	98	585681	31.026	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 103.433%		
Target Compounds						Qvalue
3) Chloromethane	2.309	50	1269	0.290	ug/l	91
5) Bromomethane	2.885	94	1830	0.306	ug/l	96
12) Methyl Acetate	4.878	43	1058	0.220	ug/l	# 55
13) Acrolein	4.055	56	499	1.160	ug/l	93
23) tert-Butyl Alcohol	5.318	59	676	0.946	ug/l	# 100
45) 1,4-Dioxane	9.118	88	87	1.061	ug/l	# 17
55) 2-Chloroethyl vinyl ether	10.443	63	525	46.801	ug/l	# 1
56) Bromoform	12.734	173	1227	0.240	ug/l	# 1
58) 4-Methyl-2-Pentanone	10.339	43	1719	0.348	ug/l	# 75
59) 2-Hexanone	11.092	43	4117	1.203	ug/l	# 85
77) t-1,4-Dichloro-2-butene	12.734	75	79200	48.653	ug/l	# 6
89) 1,2,4-Trichlorobenzene	15.271	180	2033	0.318	ug/l	# 79
91) Naphthalene	15.509	128	3901	0.289	ug/l	# 86
92) 1,2,3-Trichlorobenzene	15.705	180	1809	0.298	ug/l	79

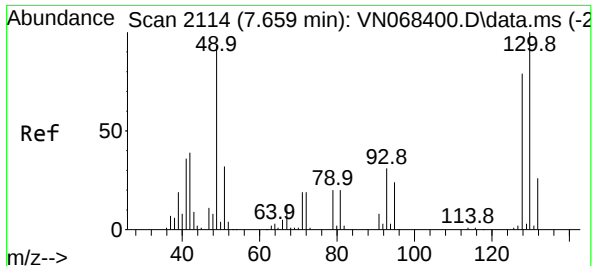
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 03 13:24:01 2021
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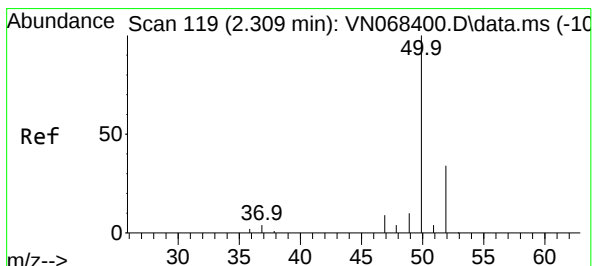
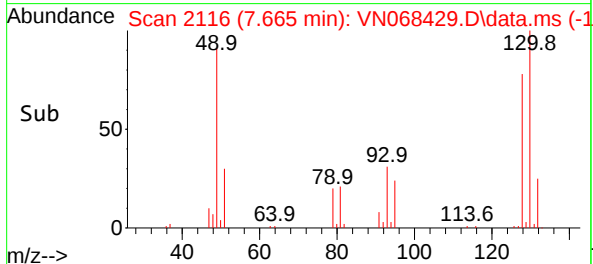
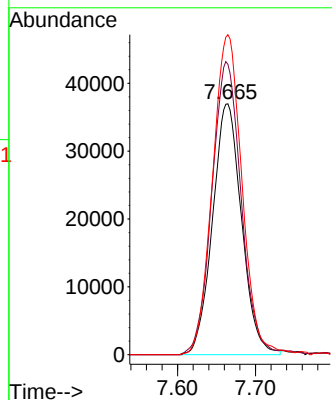
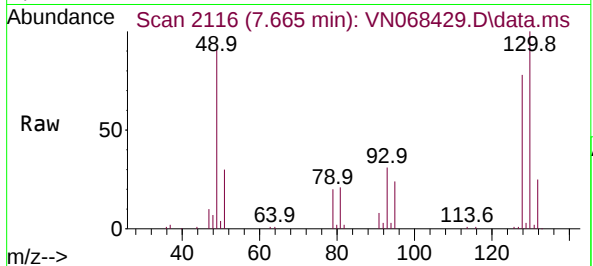




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.665 min Scan# 2116
Delta R.T. 0.006 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

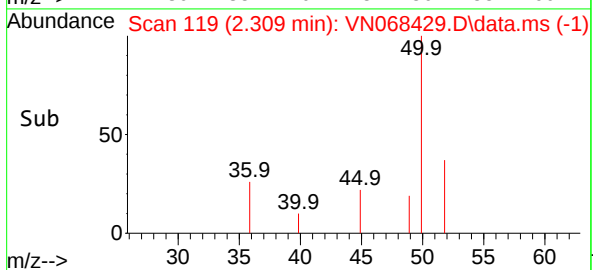
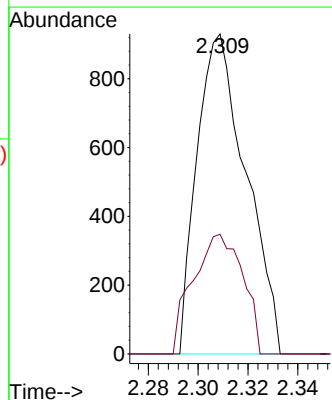
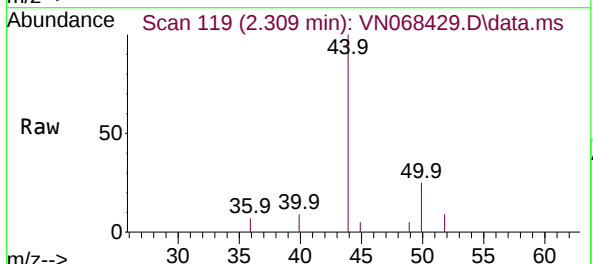
Instrument :
MSVOA_N
ClientSampleId :
VN0908WBL01

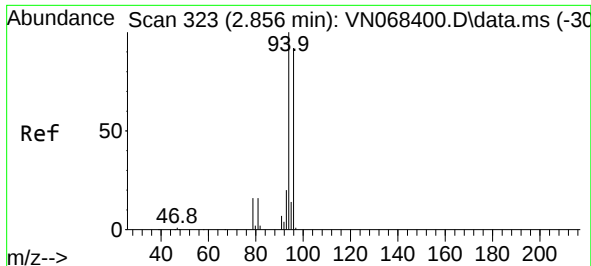
Tgt Ion:128 Resp: 95592
Ion Ratio Lower Upper
128 100
49 117.2 0.0 517.5
130 129.5 0.0 325.8



#3
Chloromethane
Concen: 0.290 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.000 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

Tgt Ion: 50 Resp: 1269
Ion Ratio Lower Upper
50 100
52 37.4 26.0 39.0

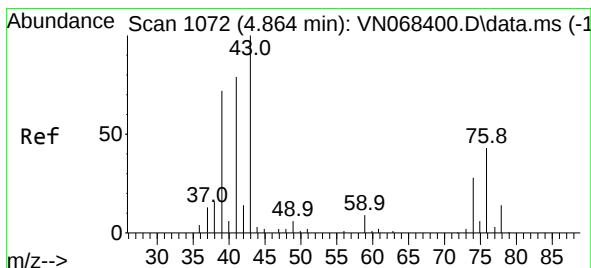
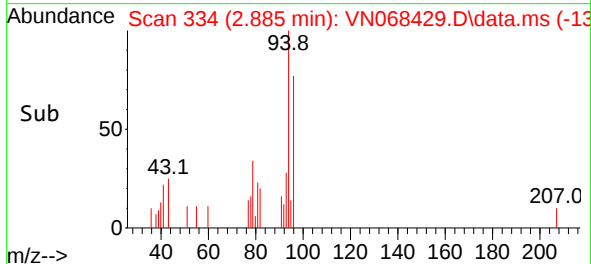
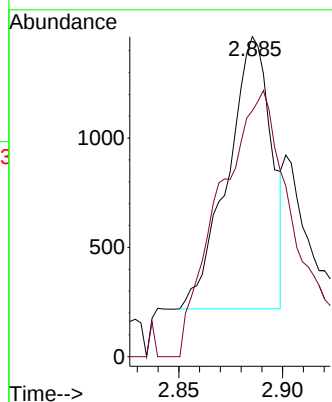
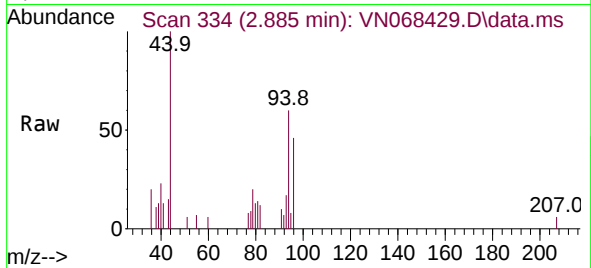




#5
Bromomethane
Concen: 0.306 ug/l
RT: 2.885 min Scan# 334
Delta R.T. 0.030 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

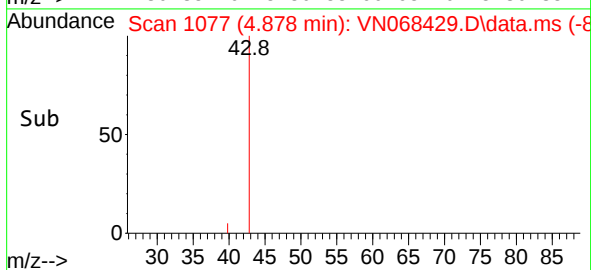
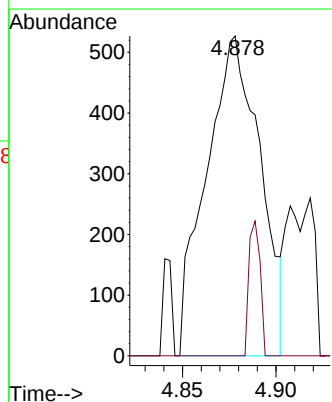
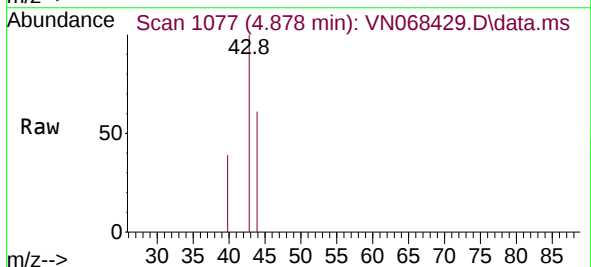
Instrument :
MSVOA_N
ClientSampleId :
VN0908WBL01

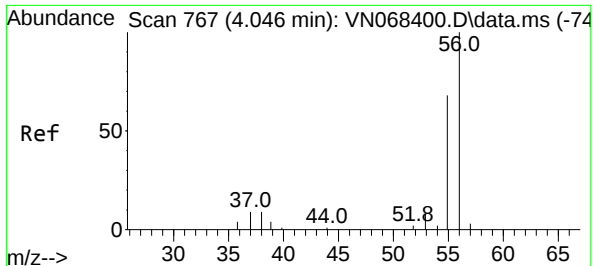
Tgt Ion: 94 Resp: 1830
Ion Ratio Lower Upper
94 100
96 90.4 69.4 104.2



#12
Methyl Acetate
Concen: 0.220 ug/l
RT: 4.878 min Scan# 1077
Delta R.T. 0.014 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

Tgt Ion: 43 Resp: 1058
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#

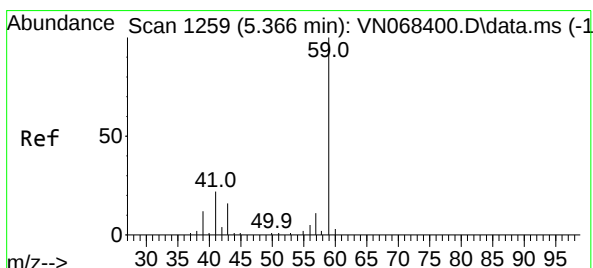
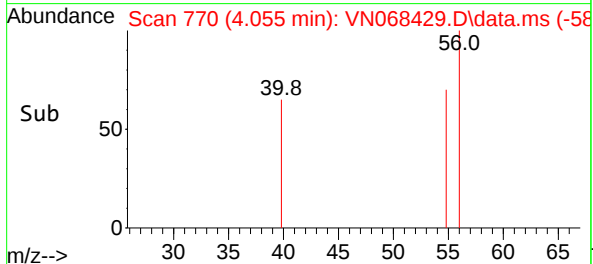
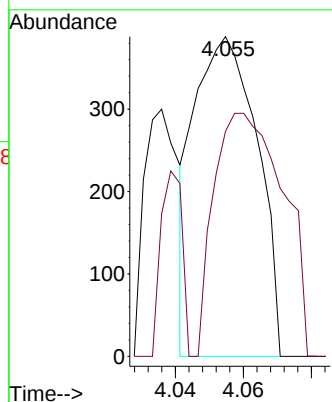
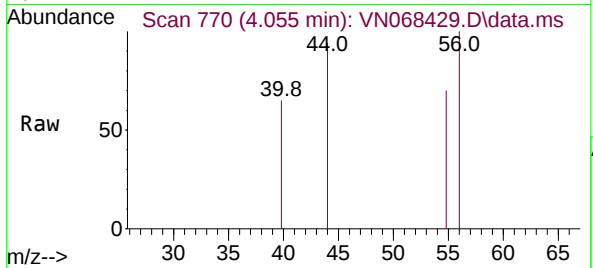




#13
Acrolein
Concen: 1.160 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.008 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

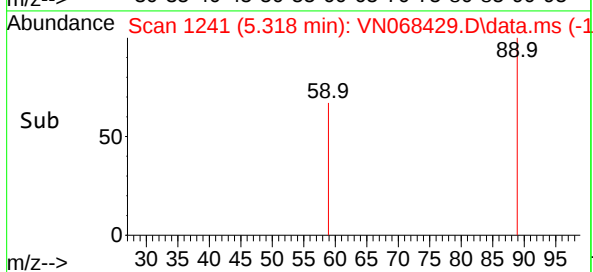
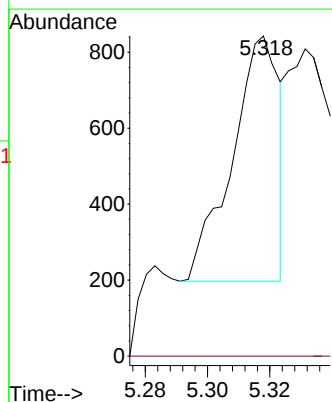
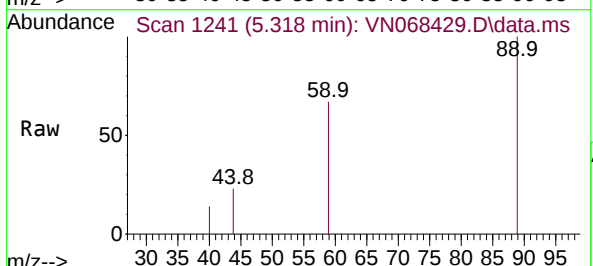
Instrument :
MSVOA_N
ClientSampleId :
VN0908WBL01

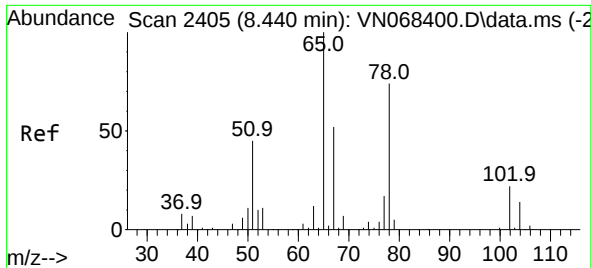
Tgt Ion: 56 Resp: 499
Ion Ratio Lower Upper
56 100
55 78.0 57.5 86.3



#23
tert-Butyl Alcohol
Concen: 0.946 ug/l
RT: 5.318 min Scan# 1241
Delta R.T. -0.048 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

Tgt Ion: 59 Resp: 676
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



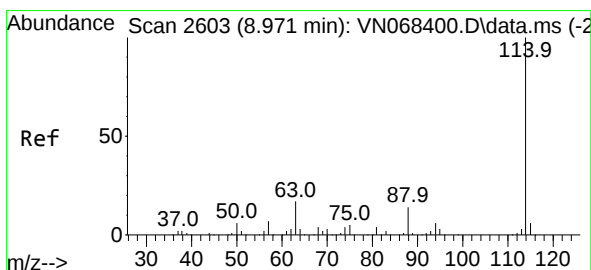
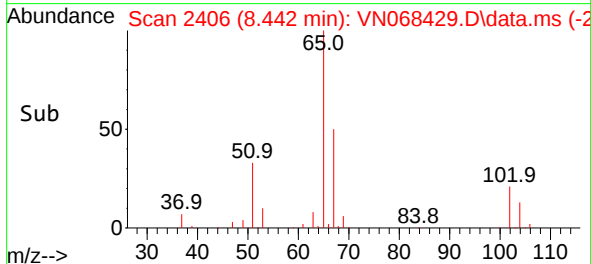
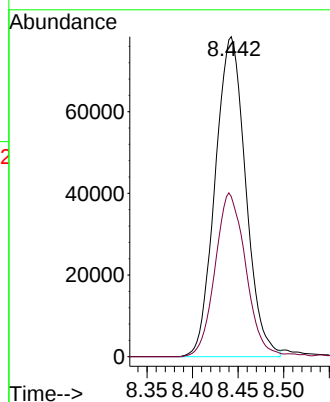
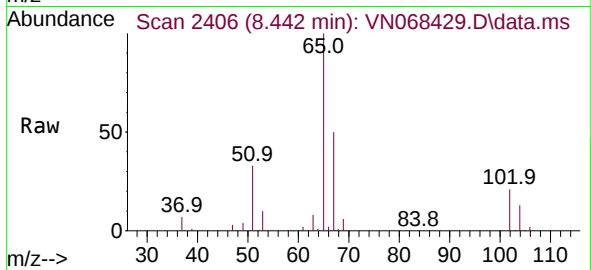


#27

1,2-Dichloroethane-d4
Concen: 32.181 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0908WBL01

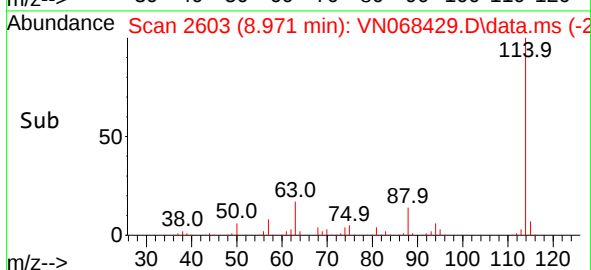
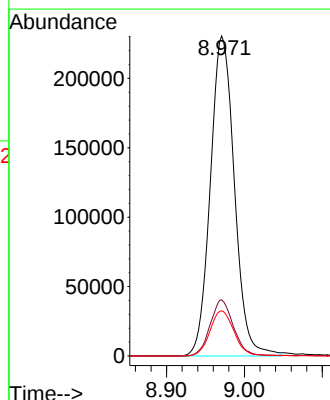
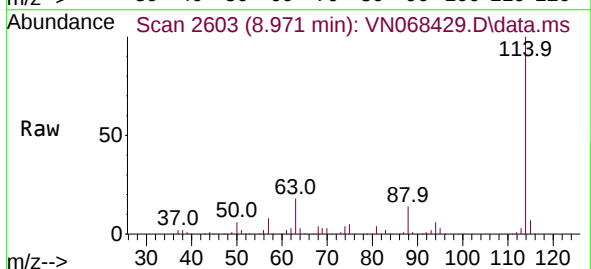
Tgt Ion: 65 Resp: 182376
Ion Ratio Lower Upper
65 100
67 51.3 39.8 59.8

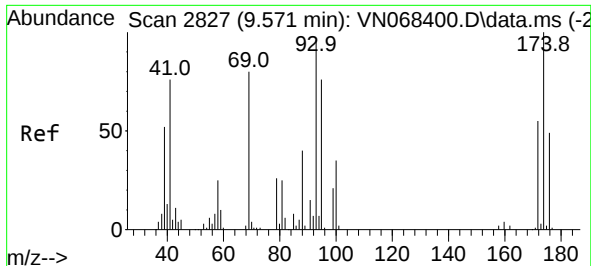


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

Tgt Ion: 114 Resp: 494767
Ion Ratio Lower Upper
114 100
63 17.1 20.3 30.5#
88 14.1 14.6 22.0#

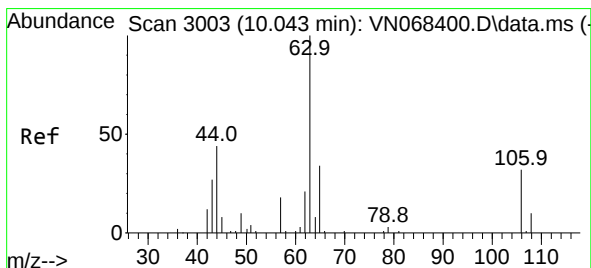
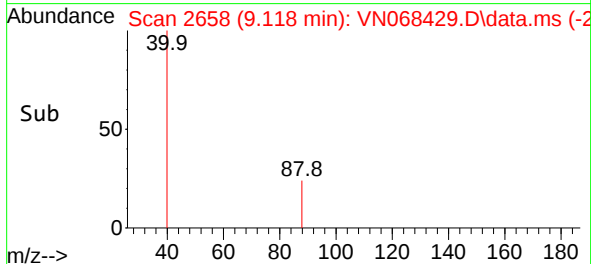
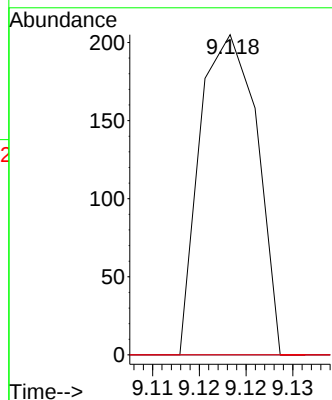
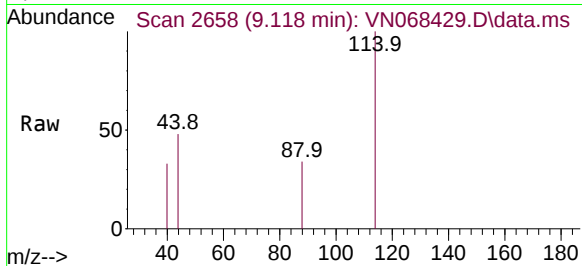




#45
1,4-Dioxane
Concen: 1.061 ug/l
RT: 9.118 min Scan# 2658
Delta R.T. -0.453 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

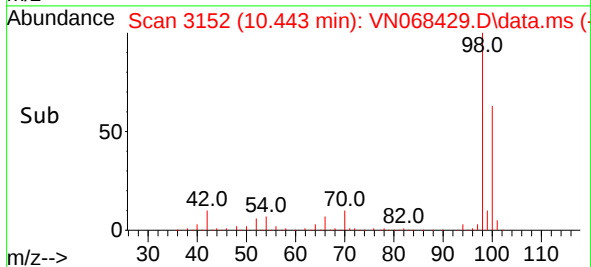
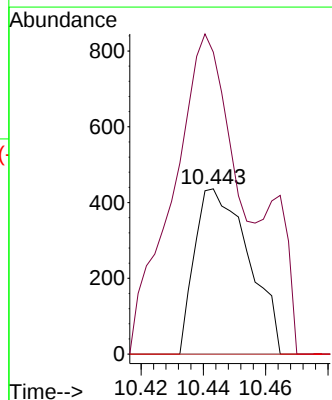
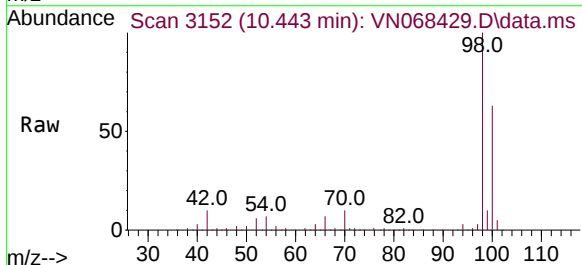
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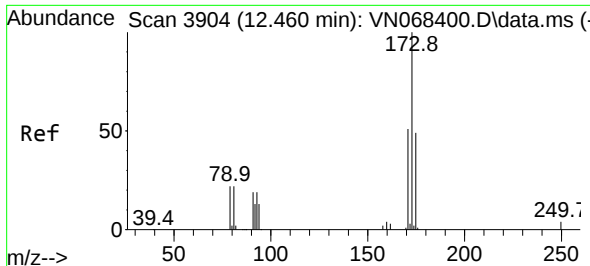
Tgt Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 56.3 18.0 27.0#
58 0.0 57.7 86.5#



#55
2-Chloroethyl vinyl ether
Concen: 46.801 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.400 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

Tgt Ion: 63 Resp: 525
Ion Ratio Lower Upper
63 100
65 224.6 25.6 38.4#
106 0.0 20.0 30.0#

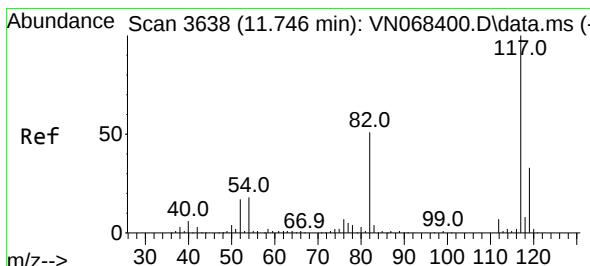
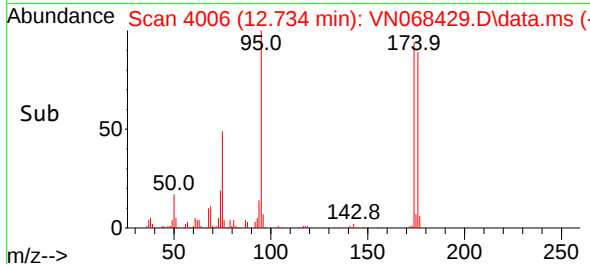
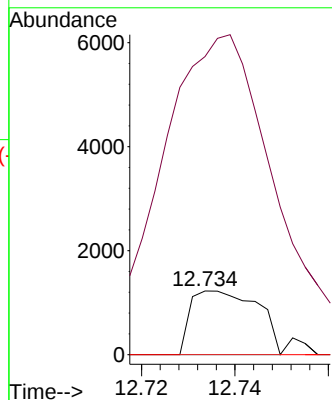
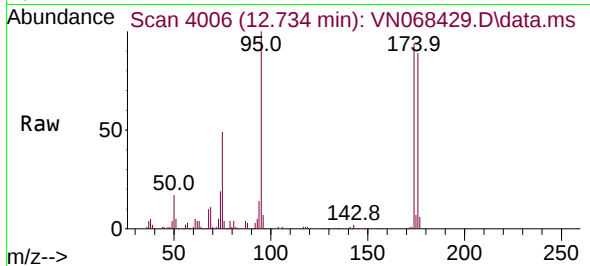




#56
Bromoform
Concen: 0.240 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

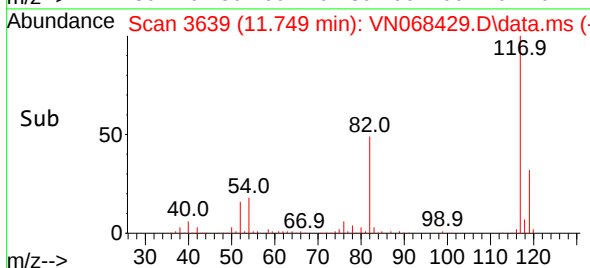
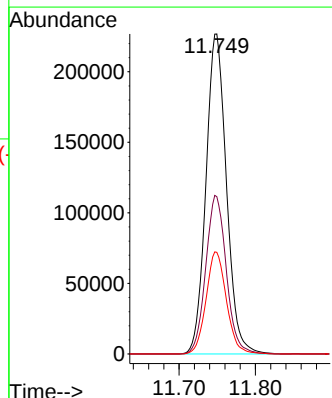
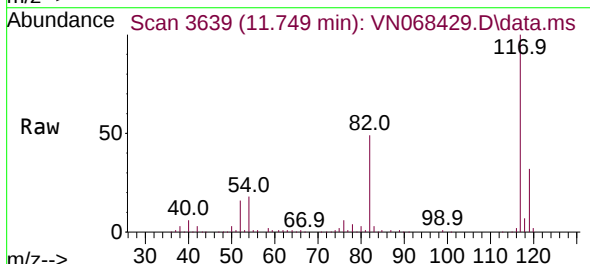
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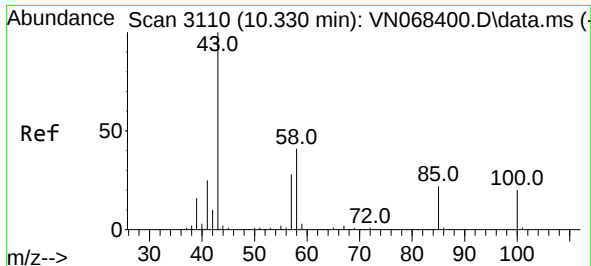
Tgt Ion:173 Resp: 1227
Ion Ratio Lower Upper
173 100
175 878.4 39.4 59.2#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

Tgt Ion:117 Resp: 423900
Ion Ratio Lower Upper
117 100
82 49.8 52.5 78.7#
119 31.7 25.8 38.8

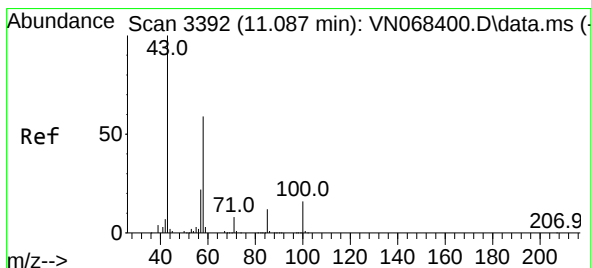
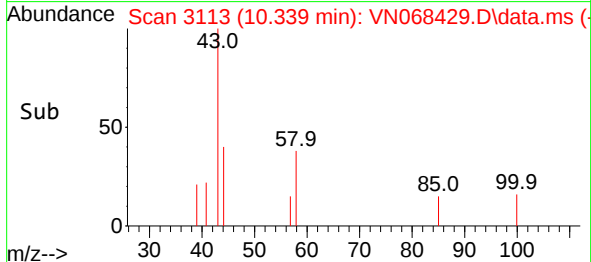
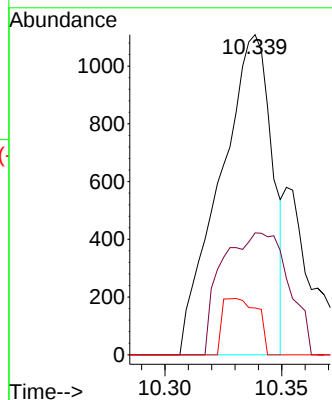
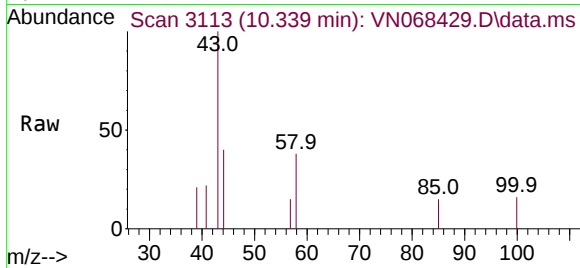




#58
4-Methyl-2-Pentanone
Concen: 0.348 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.008 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

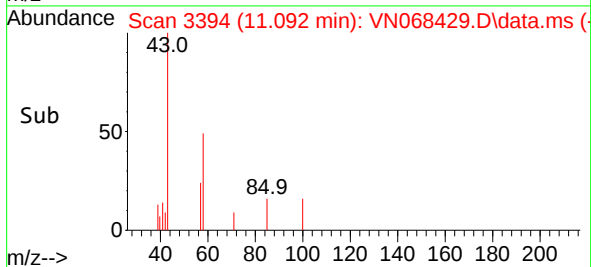
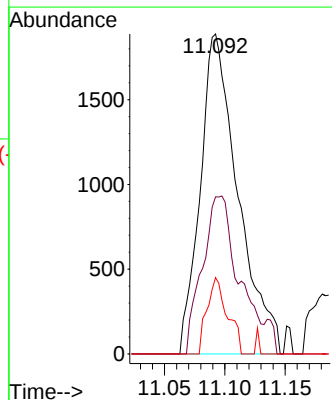
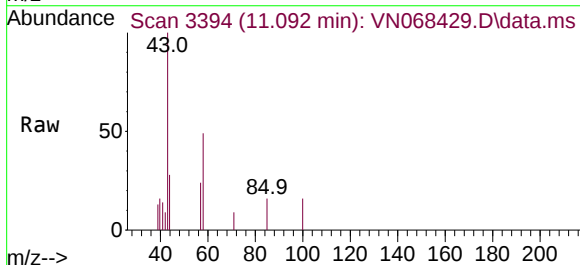
Instrument :
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VN0908WBL01

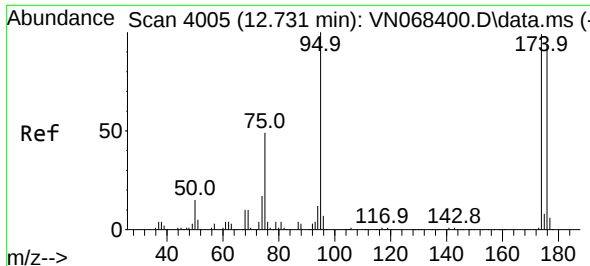
Tgt Ion: 43 Resp: 1719
Ion Ratio Lower Upper
43 100
58 18.4 29.0 43.4#
85 10.2 13.2 19.8#



#59
2-Hexanone
Concen: 1.203 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

Tgt Ion: 43 Resp: 4117
Ion Ratio Lower Upper
43 100
58 38.5 39.4 59.0#
57 11.5 14.4 21.6#

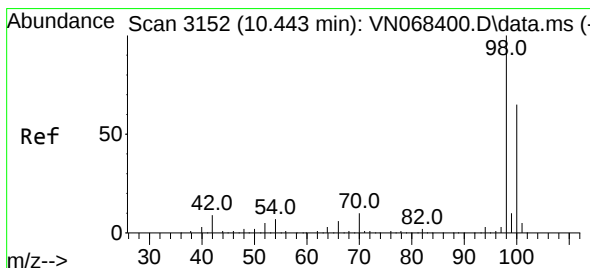
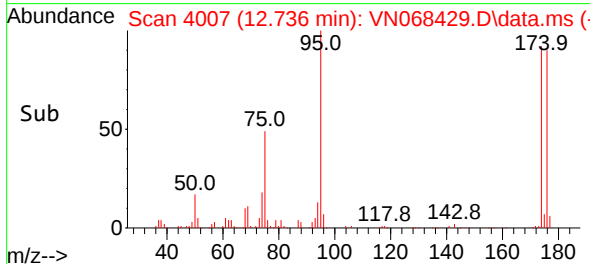
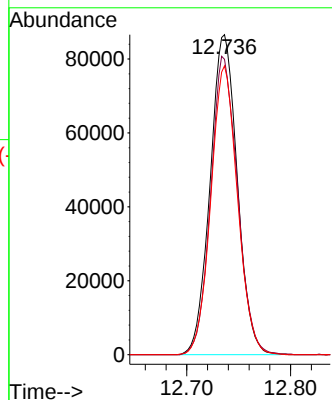
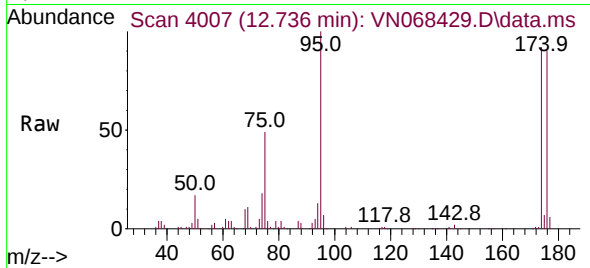




#60
4-Bromofluorobenzene
Concen: 26.221 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.006 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

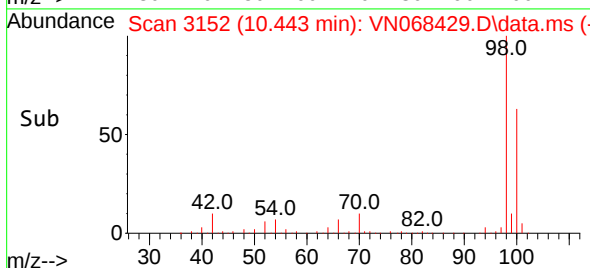
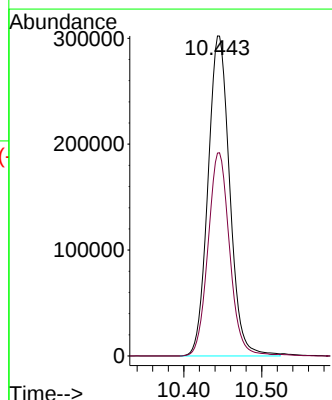
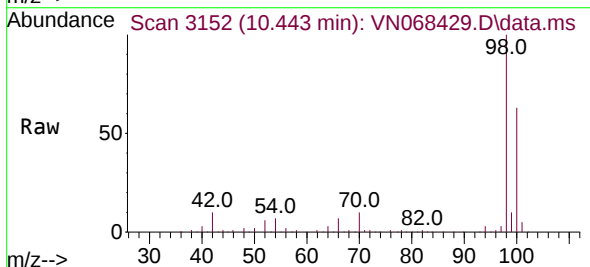
Instrument :
MSVOA_N
ClientSampleId :
VN0908WBL01

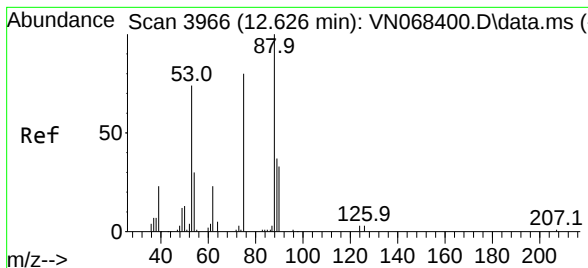
Tgt Ion: 95 Resp: 157405
Ion Ratio Lower Upper
95 100
174 91.9 47.7 71.5#
176 88.5 45.7 68.5#



#63
Toluene-d8
Concen: 31.026 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

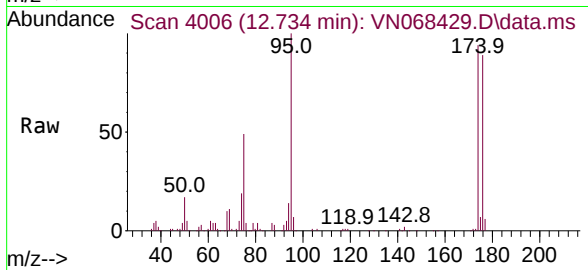
Tgt Ion: 98 Resp: 585681
Ion Ratio Lower Upper
98 100
100 63.0 51.2 76.8



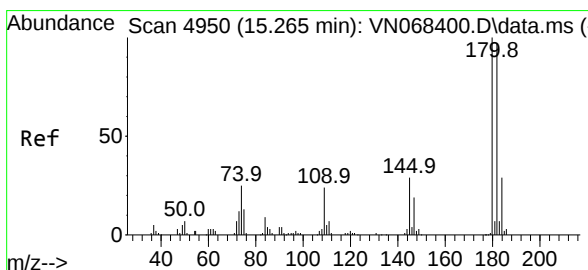
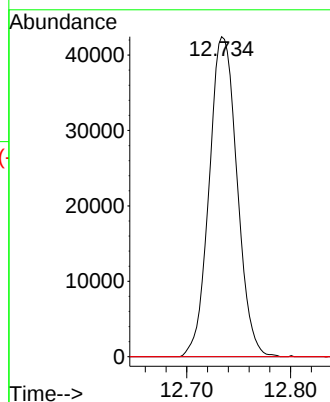
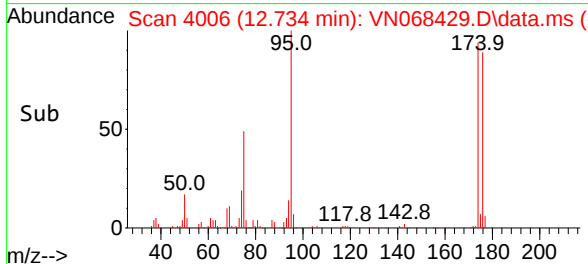


#77
t-1,4-Dichloro-2-butene
Concen: 48.653 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

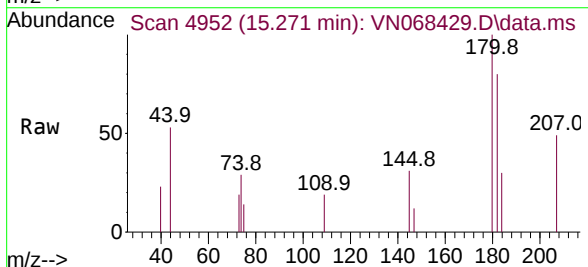
Instrument :
MSVOA_N
ClientSampleId :
VN0908WBL01



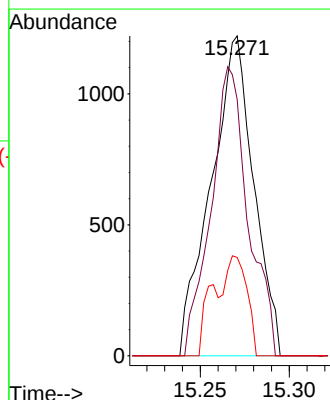
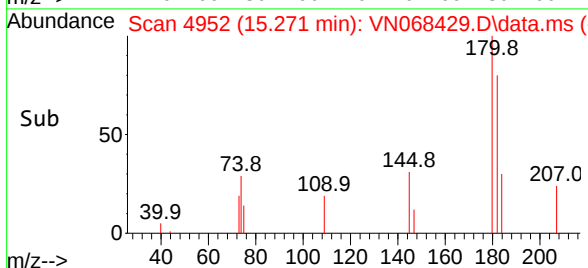
Tgt Ion: 75 Resp: 79200
Ion Ratio Lower Upper
75 100
53 0.0 55.2 165.6#
89 0.0 24.5 73.5#

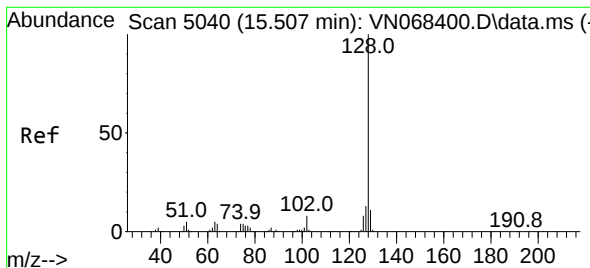


#89
1,2,4-Trichlorobenzene
Concen: 0.318 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02



Tgt Ion: 180 Resp: 2033
Ion Ratio Lower Upper
180 100
182 78.8 75.9 113.9
145 16.4 28.8 43.2#

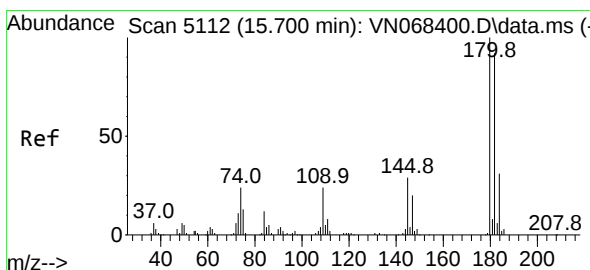
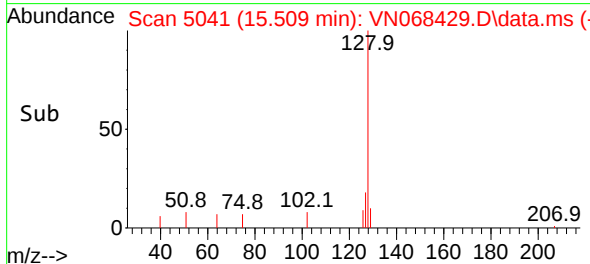
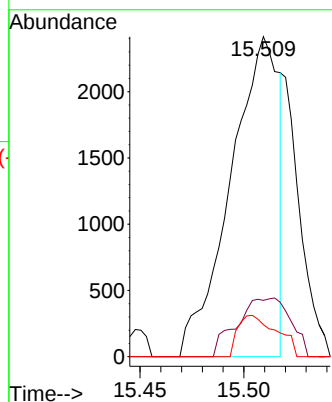
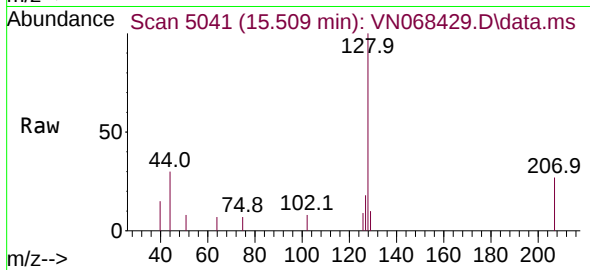




#91
Naphthalene
Concen: 0.289 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0908WBL01

Tgt Ion:128 Resp: 3901
Ion Ratio Lower Upper
128 100
127 3.5 10.1 15.1#
129 9.7 8.9 13.3



#92
1,2,3-Trichlorobenzene
Concen: 0.298 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.006 min
Lab File: VN068429.D
Acq: 8 Sep 2021 10:02

Tgt Ion:180 Resp: 1809
Ion Ratio Lower Upper
180 100
182 68.5 0.0 184.6
145 30.5 0.0 76.0

