

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092721\
 Data File : VN068706.D
 Acq On : 27 Sep 2021 16:56
 Operator : JC/MD
 Sample : VN0927WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBL01

Quant Time: Sep 28 05:28:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 14:37:57 2021
 Response via : Initial Calibration

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

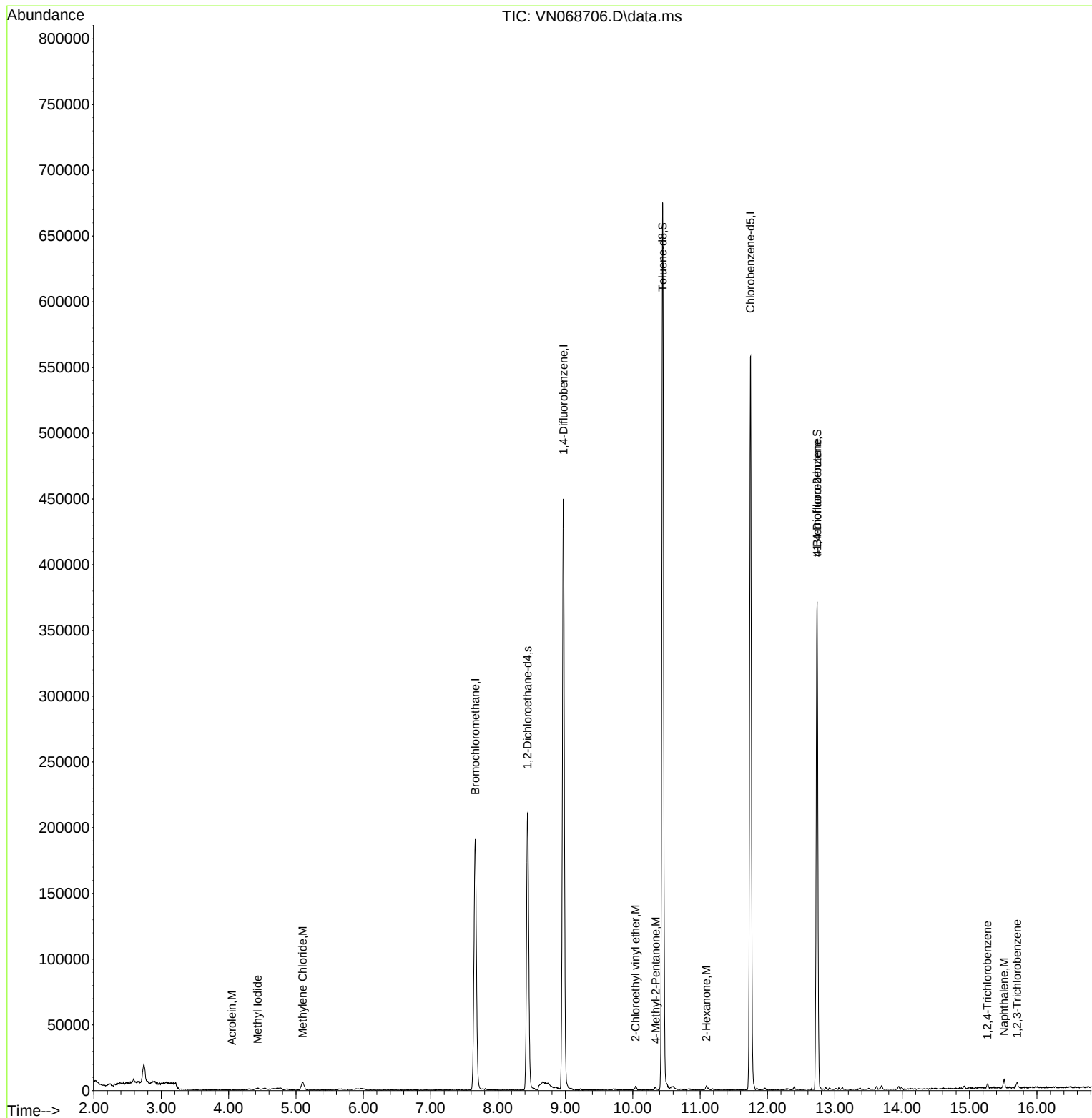
Internal Standards						
1) Bromochloromethane	7.662	128	66154	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	383441	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	319141	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	179740	29.433	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.100%
60) 4-Bromofluorobenzene	12.736	95	126484	22.169	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	73.900%
63) Toluene-d8	10.443	98	467010	31.335	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.467%
Target Compounds						
					Qvalue	
11) Methyl Iodide	4.433	142	1249	0.269	ug/l #	40
13) Acrolein	4.049	56	284	1.179	ug/l #	56
18) Methylene Chloride	5.100	84	4852	1.091	ug/l	89
55) 2-Chloroethyl vinyl ether	10.041	63	1236	0.516	ug/l #	72
58) 4-Methyl-2-Pentanone	10.341	43	1511	0.218	ug/l #	57
59) 2-Hexanone	11.092	43	2431	0.467	ug/l #	95
77) t-1,4-Dichloro-2-butene	12.736	75	69248	29.754	ug/l #	7
89) 1,2,4-Trichlorobenzene	15.262	180	900	0.222	ug/l #	46
91) Naphthalene	15.509	128	6410	0.608	ug/l #	80
92) 1,2,3-Trichlorobenzene	15.705	180	1836	0.476	ug/l	70

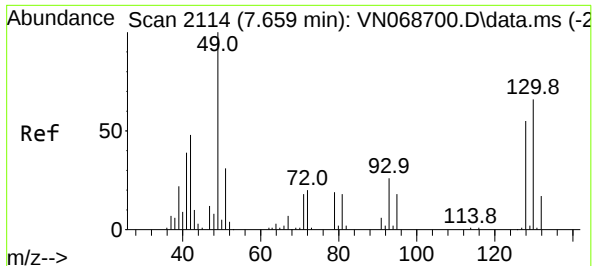
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBL01

Quant Time: Sep 28 05:28:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092721W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Sep 27 14:37:57 2021
Response via : Initial Calibration

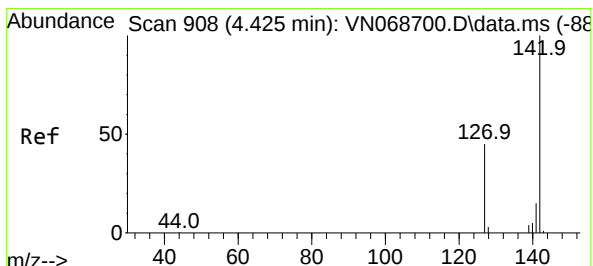
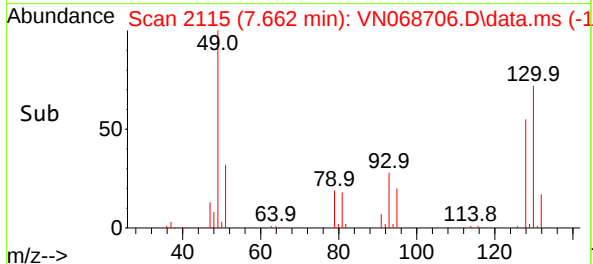
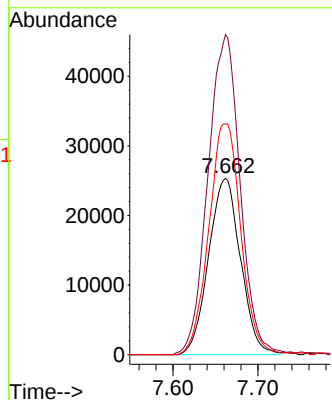
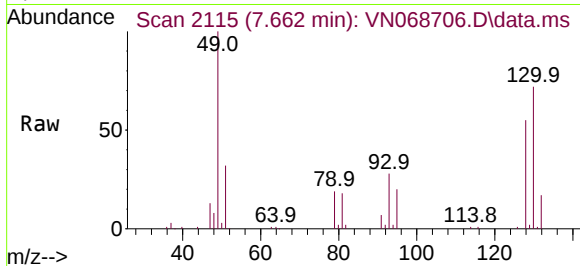




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

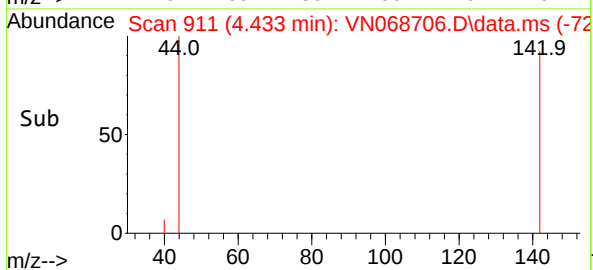
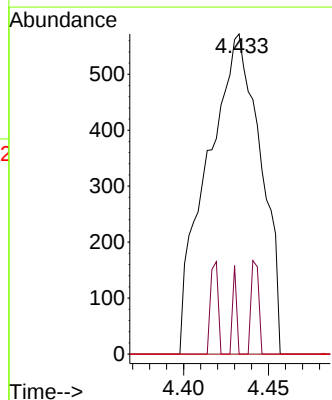
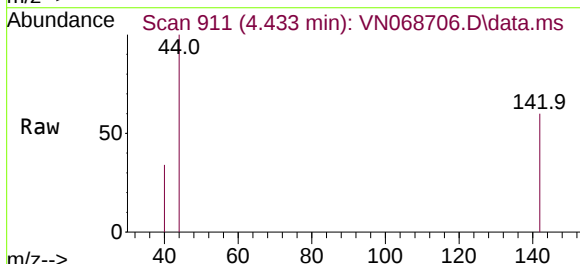
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBL01

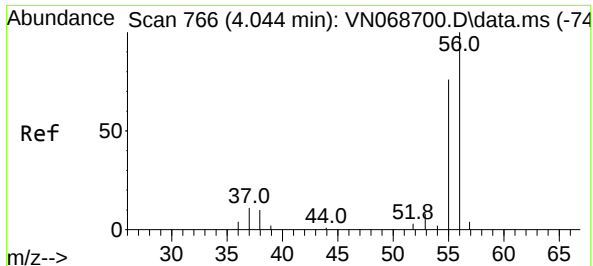
Tgt Ion:128 Resp: 66154
Ion Ratio Lower Upper
128 100
49 182.6 0.0 450.0
130 131.3 0.0 319.5



#11
Methyl Iodide
Concen: 0.269 ug/l
RT: 4.433 min Scan# 911
Delta R.T. 0.008 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

Tgt Ion:142 Resp: 1249
Ion Ratio Lower Upper
142 100
127 0.0 22.1 66.5#
141 0.0 8.2 24.6#

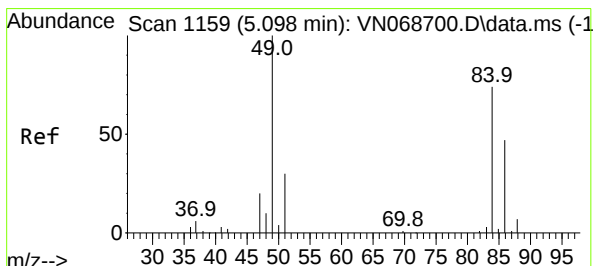
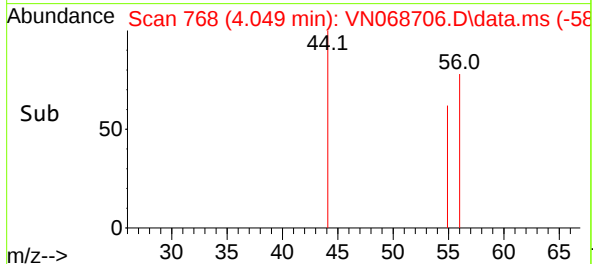
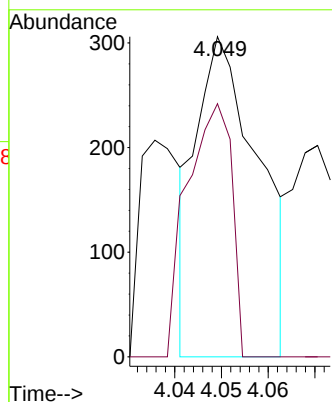
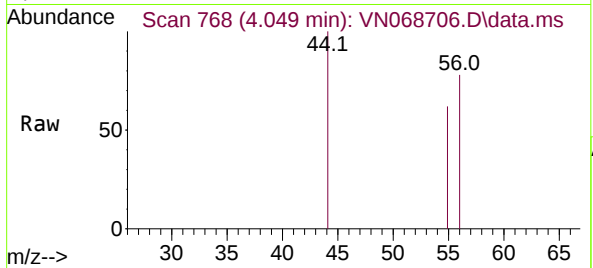




#13
Acrolein
Concen: 1.179 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.005 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

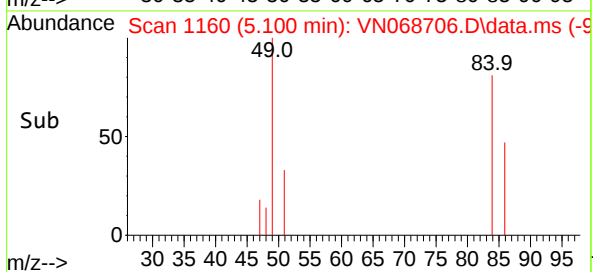
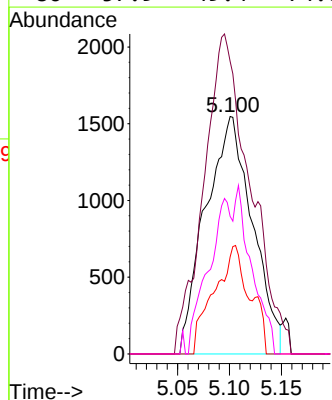
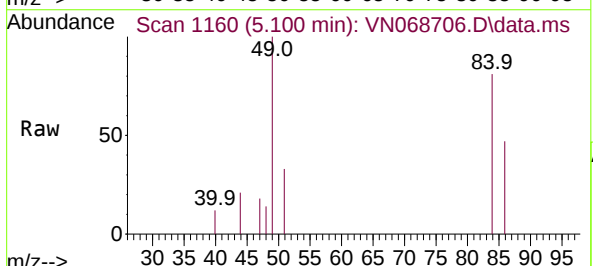
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBL01

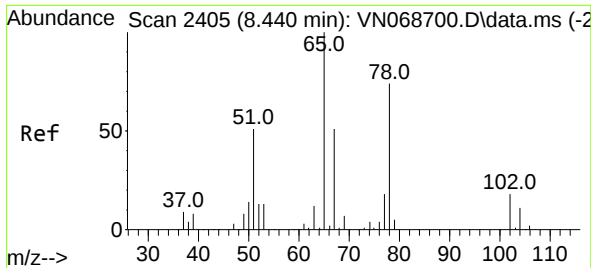
Tgt Ion: 56 Resp: 284
Ion Ratio Lower Upper
56 100
55 56.3 25.4 38.0#



#18
Methylene Chloride
Concen: 1.091 ug/l
RT: 5.100 min Scan# 1160
Delta R.T. 0.003 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

Tgt Ion: 84 Resp: 4852
Ion Ratio Lower Upper
84 100
49 108.3 102.2 153.2
51 40.8 33.0 49.4
86 57.9 49.4 74.0



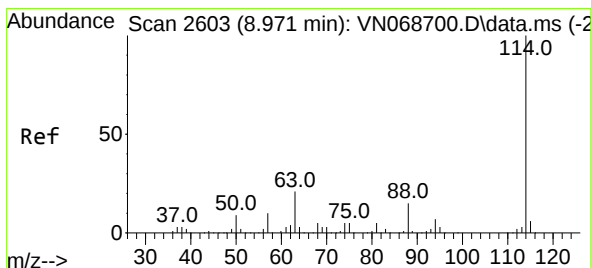
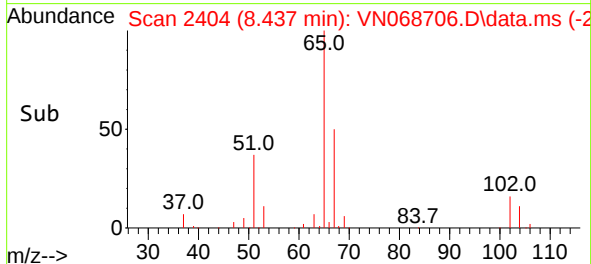
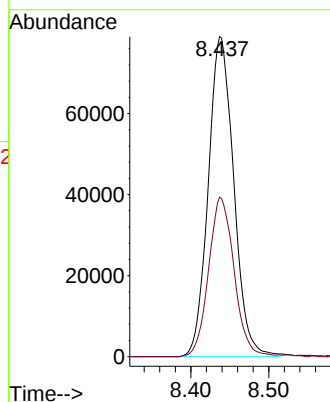
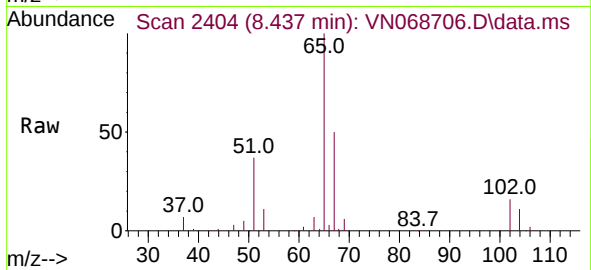


#27

1,2-Dichloroethane-d4
Concen: 29.433 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

Instrument :
MSVOA_N
ClientSampled :
VN0927WBL01

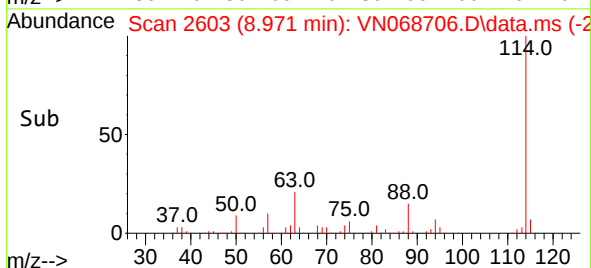
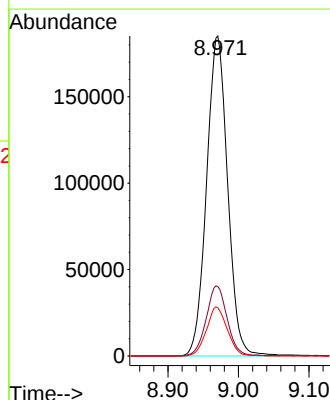
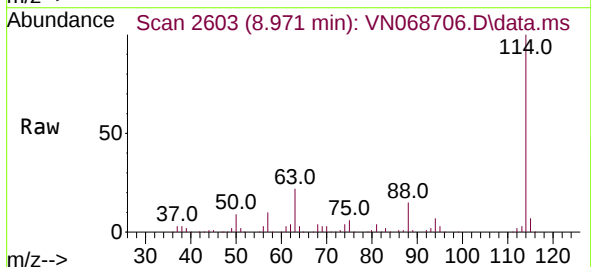
Tgt Ion: 65 Resp: 179740
Ion Ratio Lower Upper
65 100
67 49.7 41.0 61.6

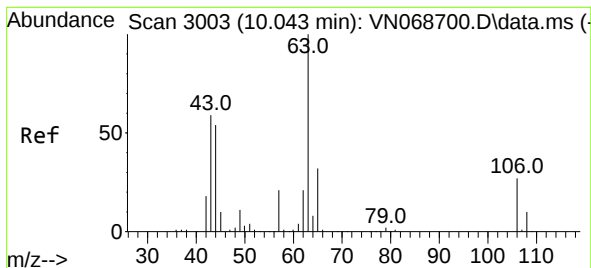


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

Tgt Ion: 114 Resp: 383441
Ion Ratio Lower Upper
114 100
63 21.8 17.1 25.7
88 15.1 12.2 18.4

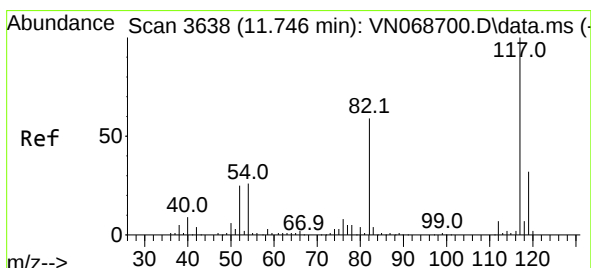
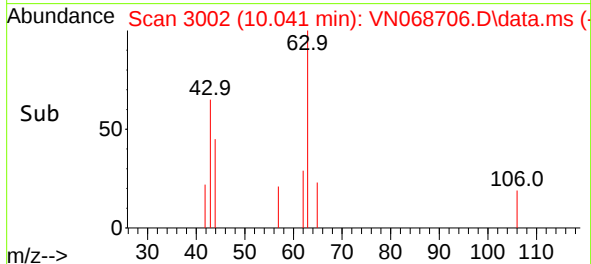
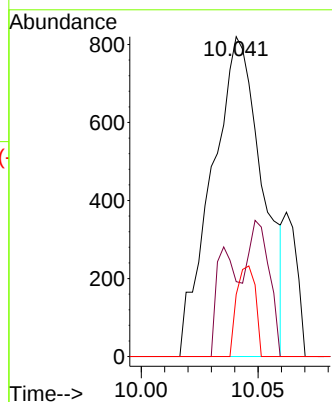
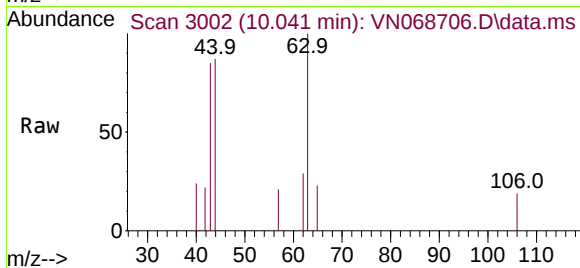




#55
2-Chloroethyl vinyl ether
Concen: 0.516 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.003 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

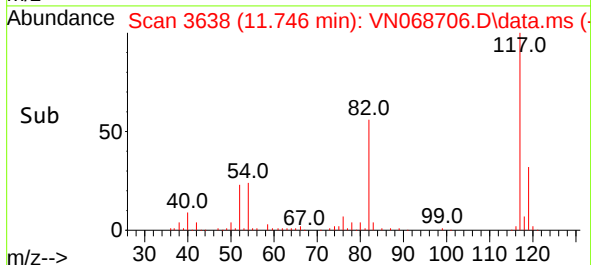
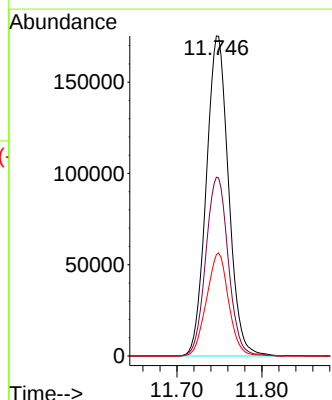
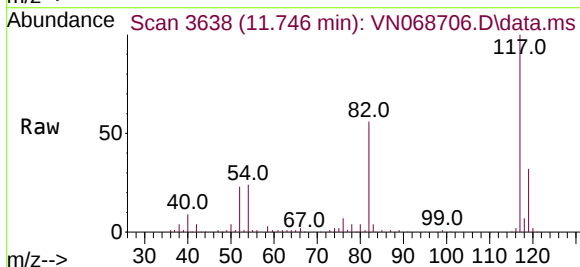
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBL01

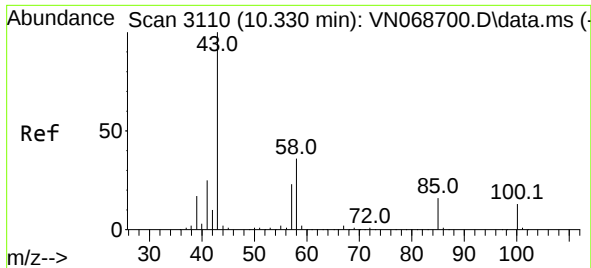
Tgt Ion: 63 Resp: 1236
Ion Ratio Lower Upper
63 100
65 17.6 25.4 38.0#
106 10.4 21.3 31.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

Tgt Ion: 117 Resp: 319141
Ion Ratio Lower Upper
117 100
82 56.4 44.6 66.8
119 32.0 25.7 38.5

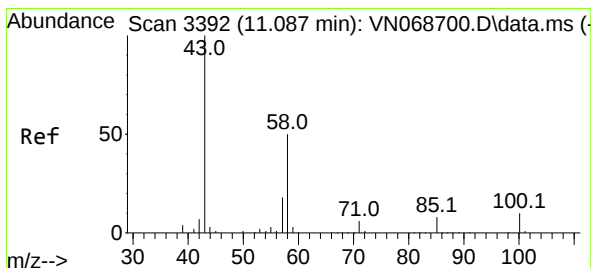
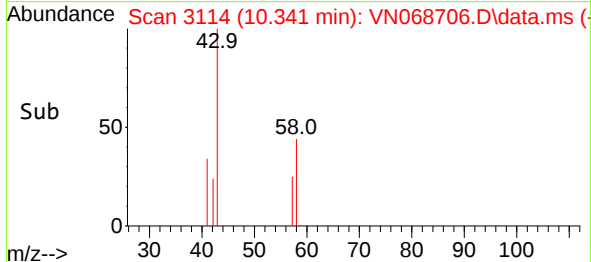
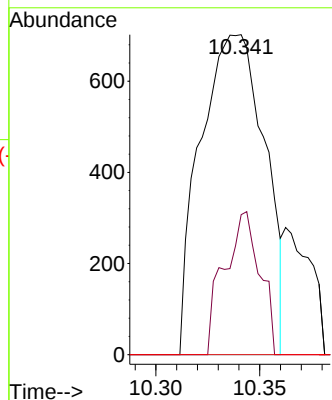
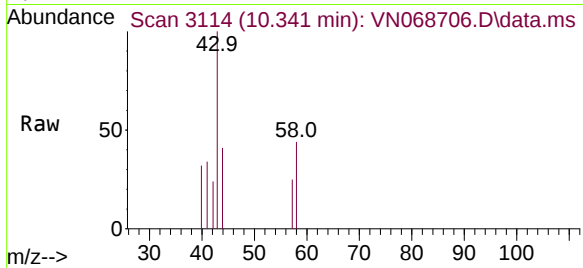




#58
4-Methyl-2-Pentanone
Concen: 0.218 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.011 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

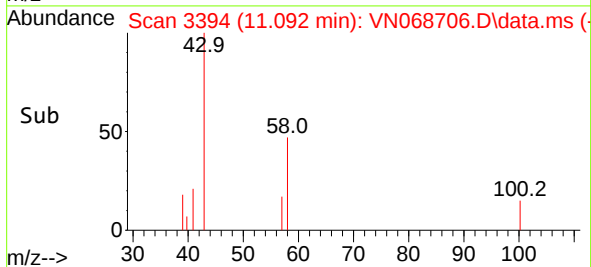
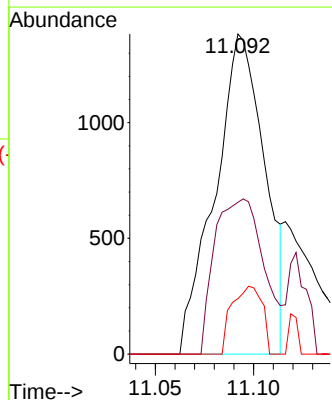
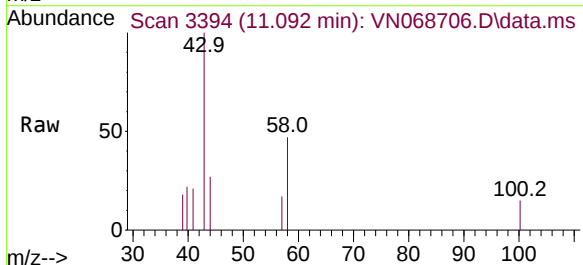
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBL01

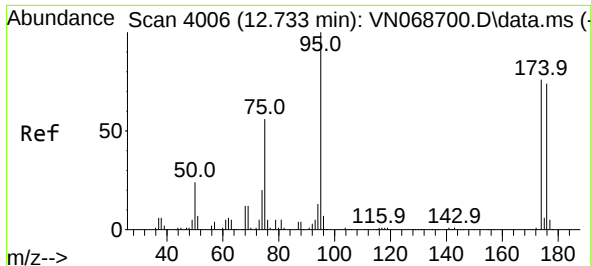
Tgt Ion:	43	Resp:	1511
Ion	Ratio	Lower	Upper
43	100		
58	9.5	28.5	42.7#
85	0.0	12.8	19.2#



#59
2-Hexanone
Concen: 0.467 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

Tgt Ion:	43	Resp:	2431
Ion	Ratio	Lower	Upper
43	100		
58	47.9	39.5	59.3
57	12.9	14.3	21.5#

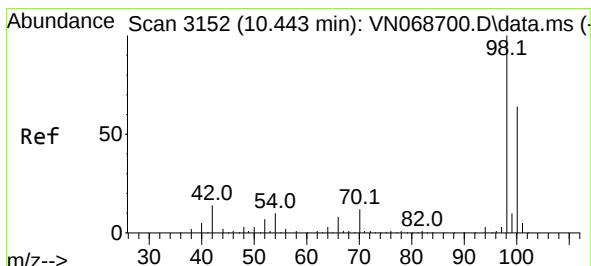
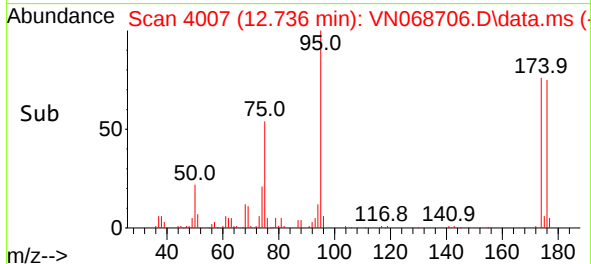
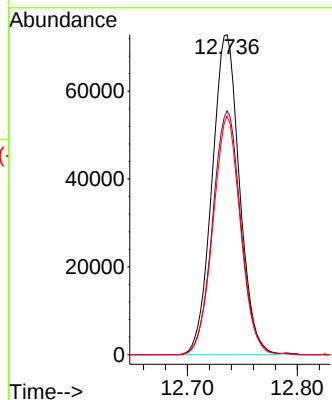
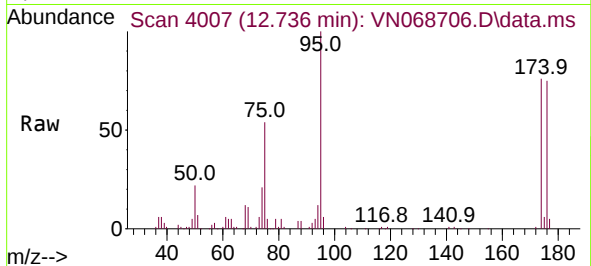




#60
4-Bromofluorobenzene
Concen: 22.169 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

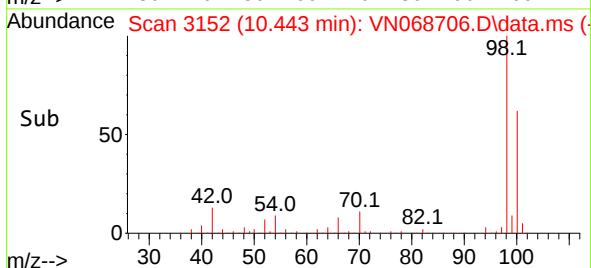
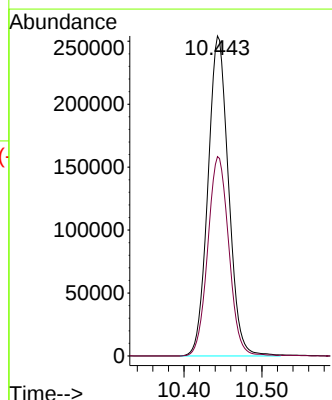
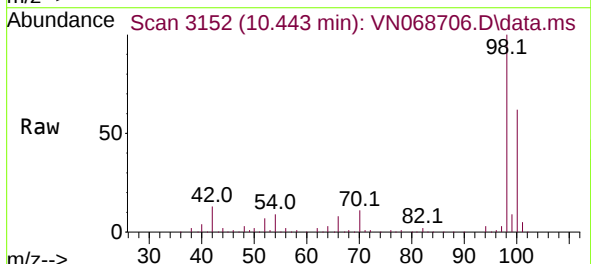
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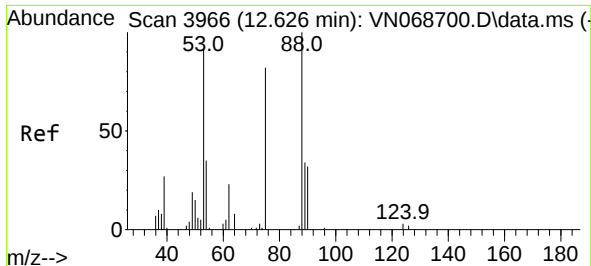
Tgt Ion: 95 Resp: 126484
Ion Ratio Lower Upper
95 100
174 78.3 63.0 94.6
176 74.7 60.6 90.8



#63
Toluene-d8
Concen: 31.335 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

Tgt Ion: 98 Resp: 467010
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.2

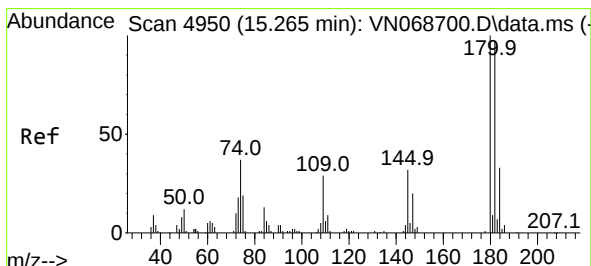
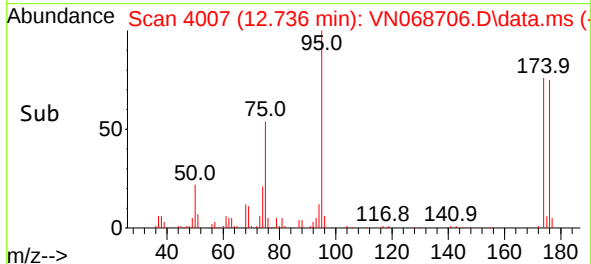
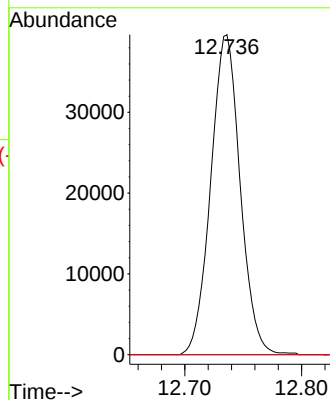
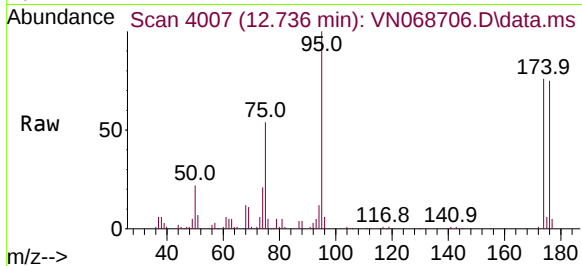




#77
t-1,4-Dichloro-2-butene
Concen: 29.754 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.110 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

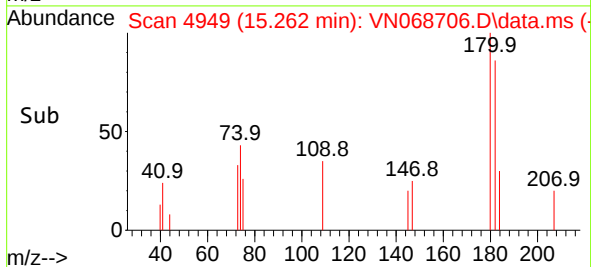
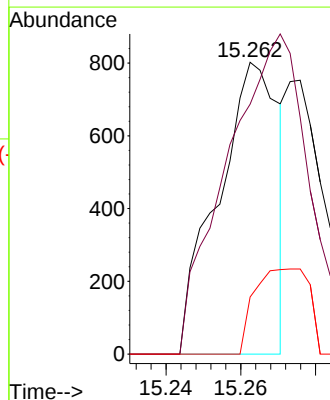
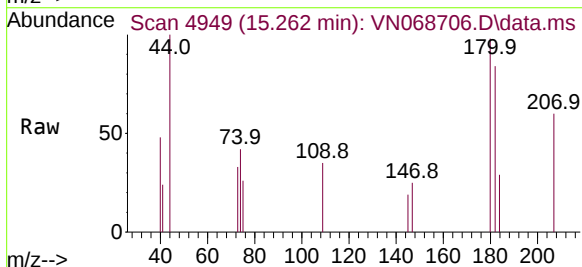
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBL01

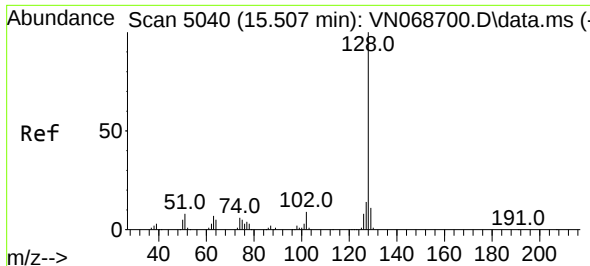
Tgt Ion: 75 Resp: 69248
Ion Ratio Lower Upper
75 100
53 0.0 52.8 158.4#
89 0.0 24.8 74.3#



#89
1,2,4-Trichlorobenzene
Concen: 0.222 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

Tgt Ion:180 Resp: 900
Ion Ratio Lower Upper
180 100
182 145.8 75.6 113.4#
145 0.0 24.5 36.7#

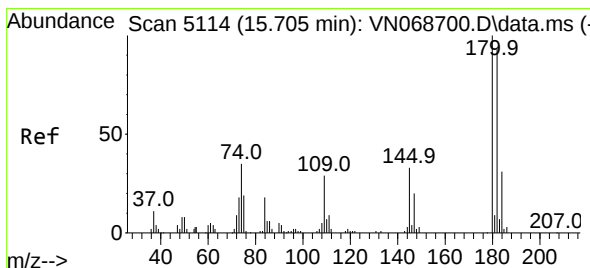
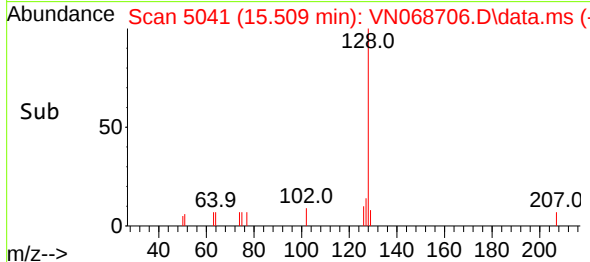
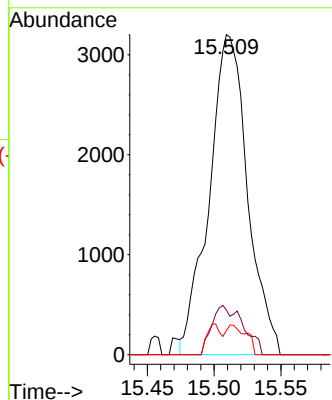
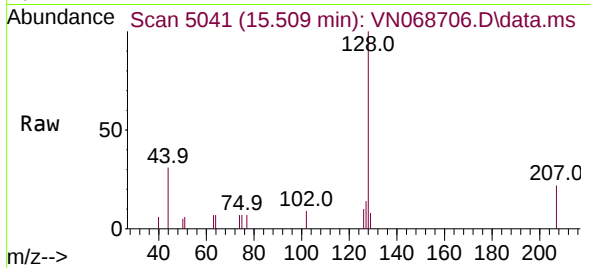




#91
Naphthalene
Concen: 0.608 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBL01

Tgt Ion:128 Resp: 6410
Ion Ratio Lower Upper
128 100
127 7.2 10.9 16.3#
129 1.6 9.0 13.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.476 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. -0.000 min
Lab File: VN068706.D
Acq: 27 Sep 2021 16:56

Tgt Ion:180 Resp: 1836
Ion Ratio Lower Upper
180 100
182 63.8 0.0 190.0
145 20.5 0.0 66.8

