

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068728.D
 Acq On : 28 Sep 2021 19:13
 Operator : JC/MD
 Sample : VN0928WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBL02

Quant Time: Sep 29 09:07:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 29 08:56:32 2021
 Response via : Initial Calibration

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

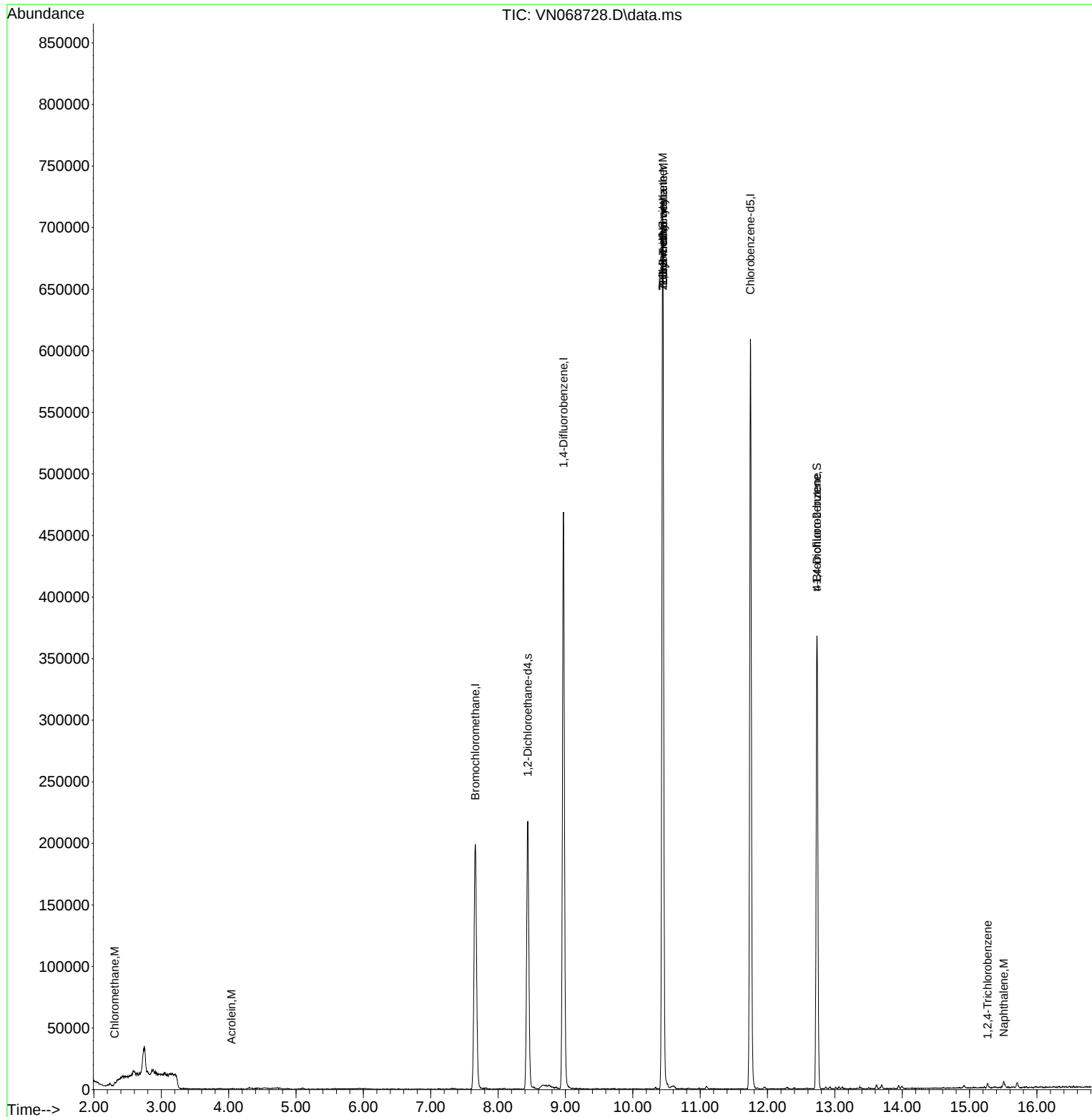
Internal Standards						
1) Bromochloromethane	7.662	128	72052	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	402968	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	349248	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	177342	31.932	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.433%
60) 4-Bromofluorobenzene	12.733	95	119845	21.966	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	73.233%
63) Toluene-d8	10.446	98	499331	31.631	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.433%
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	965	0.236	ug/l #	74
13) Acrolein	4.041	56	176	0.683	ug/l #	14
50) 1,1,2-Trichloroethane	10.451	97	18947	3.681	ug/l #	1
51) Ethyl methacrylate	10.451	69	1845	0.238	ug/l #	67
55) 2-Chloroethyl vinyl ether	10.446	63	543	0.251	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.733	75	69910	33.105	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.268	180	1115	0.246	ug/l #	94
91) Naphthalene	15.507	128	5454	0.427	ug/l #	78

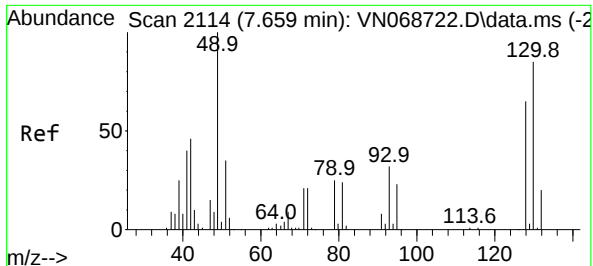
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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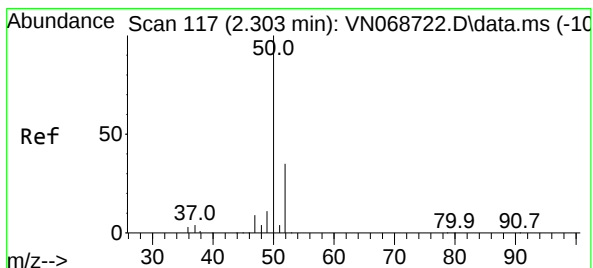
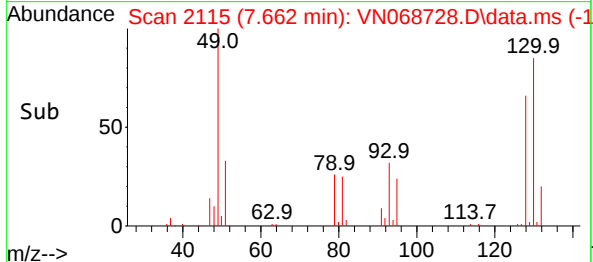
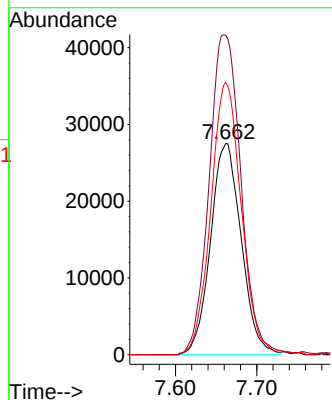
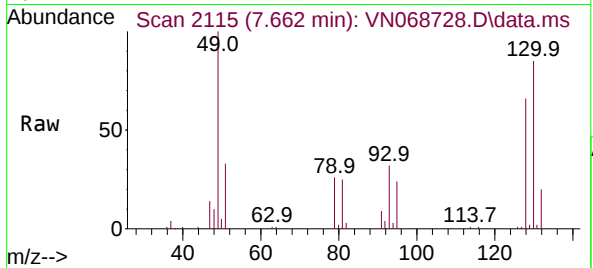




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN068728.D
Acq: 28 Sep 2021 19:13

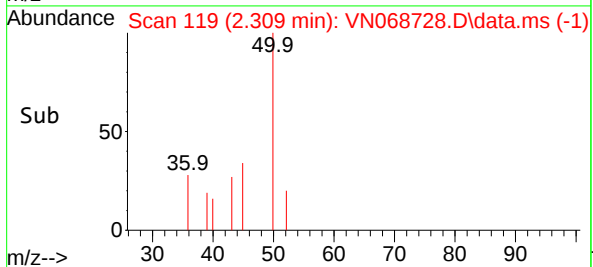
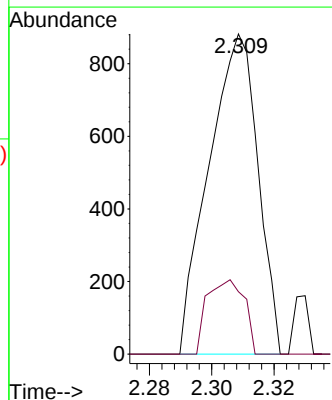
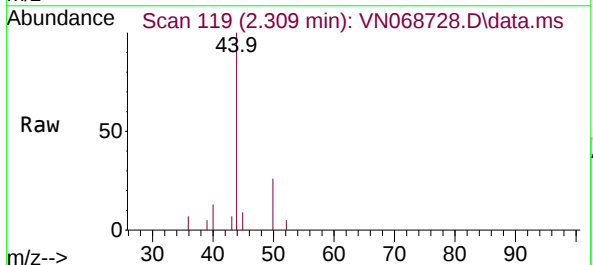
Instrument :
MSVOA_N
ClientSampleId :
VN0928WBL02

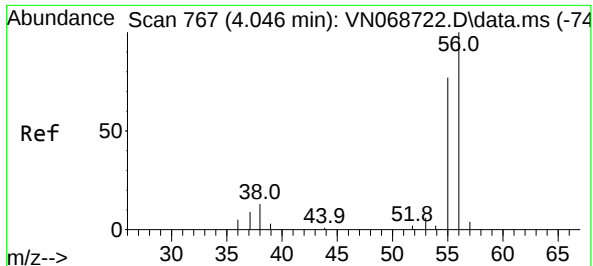
Tgt Ion:128 Resp: 72052
Ion Ratio Lower Upper
128 100
49 157.0 0.0 392.3
130 127.9 0.0 320.2



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN068728.D
Acq: 28 Sep 2021 19:13

Tgt Ion: 50 Resp: 965
Ion Ratio Lower Upper
50 100
52 19.5 27.8 41.6#

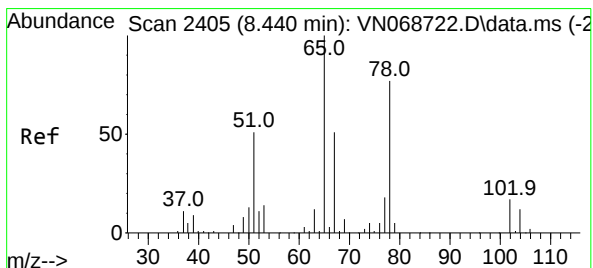
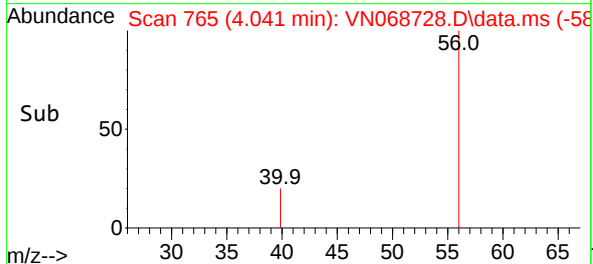
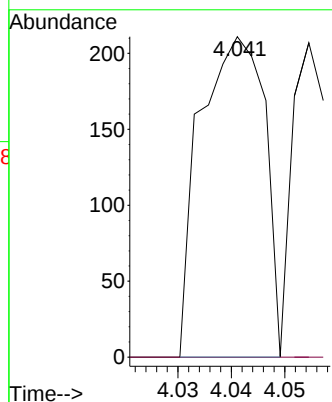
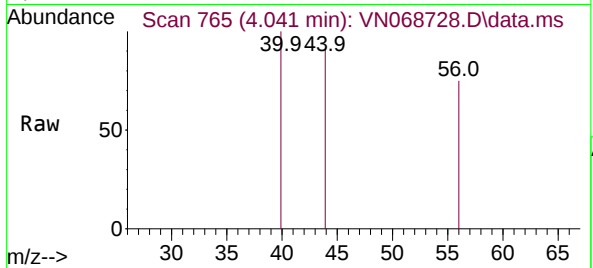




#13
Acrolein
Concen: 0.683 ug/l
RT: 4.041 min Scan# 765
Delta R.T. -0.005 min
Lab File: VN068728.D
Acq: 28 Sep 2021 19:13

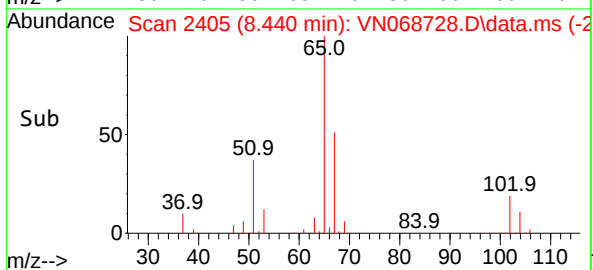
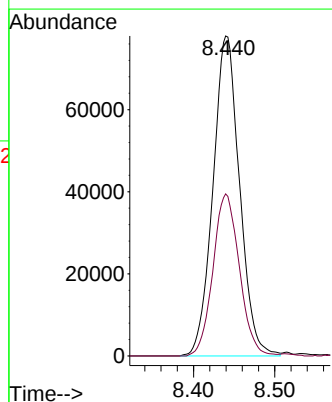
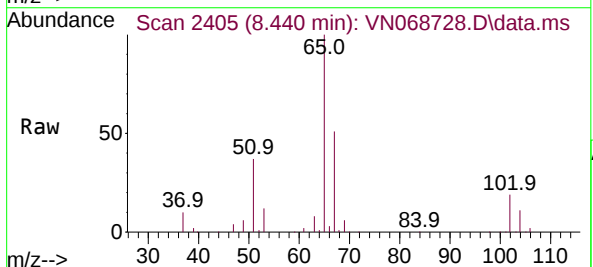
Instrument :
MSVOA_N
ClientSampled :
VN0928WBL02

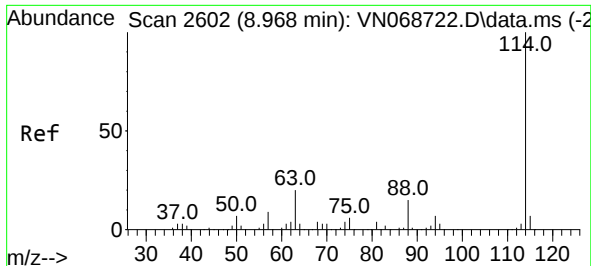
Tgt Ion: 56 Resp: 176
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#27
1,2-Dichloroethane-d4
Concen: 31.932 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068728.D
Acq: 28 Sep 2021 19:13

Tgt Ion: 65 Resp: 177342
Ion Ratio Lower Upper
65 100
67 50.2 40.2 60.2

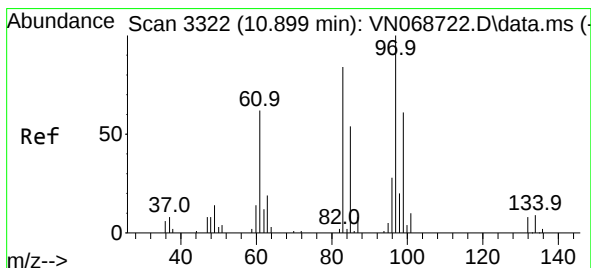
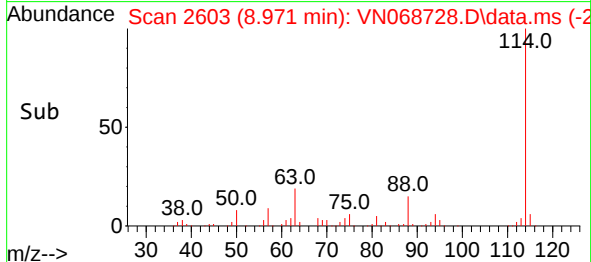
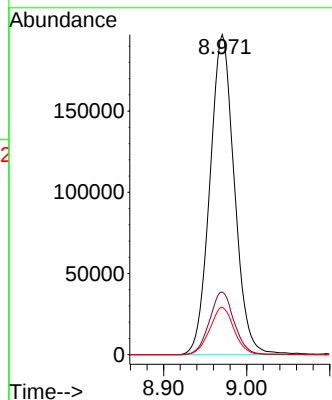
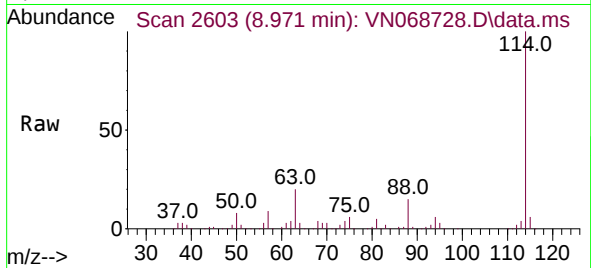




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068728.D
 Acq: 28 Sep 2021 19:13

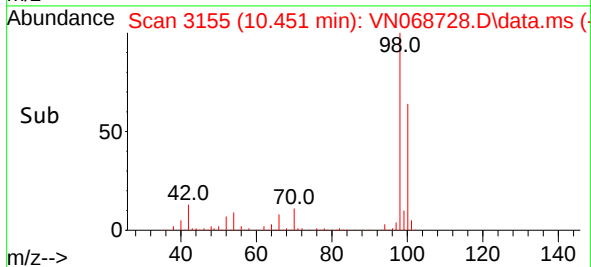
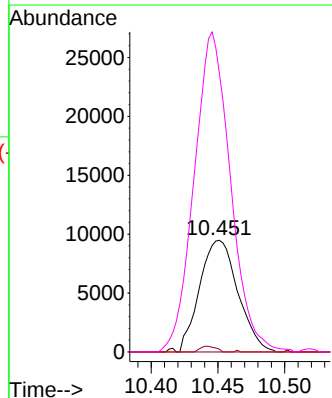
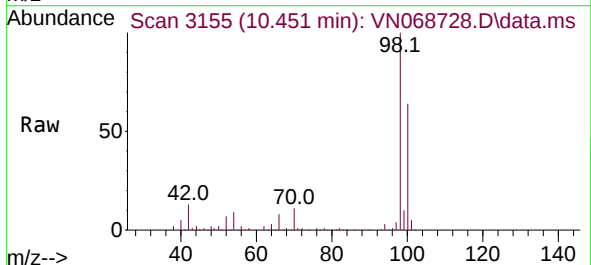
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBL02

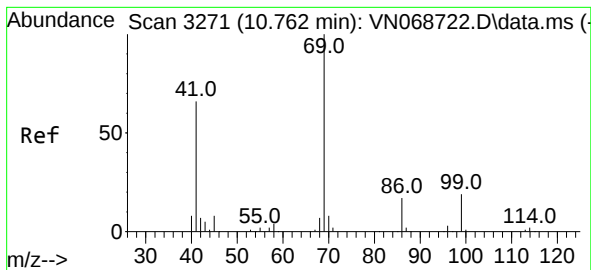
Tgt Ion:114 Resp: 402968
 Ion Ratio Lower Upper
 114 100
 63 19.7 15.8 23.6
 88 14.8 11.6 17.4



#50
 1,1,2-Trichloroethane
 Concen: 3.681 ug/l
 RT: 10.451 min Scan# 3155
 Delta R.T. -0.448 min
 Lab File: VN068728.D
 Acq: 28 Sep 2021 19:13

Tgt Ion: 97 Resp: 18947
 Ion Ratio Lower Upper
 97 100
 83 2.6 67.2 100.8#
 85 0.0 43.0 64.4#
 99 247.6 49.0 73.4#

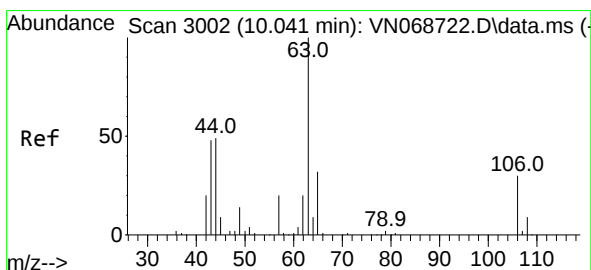
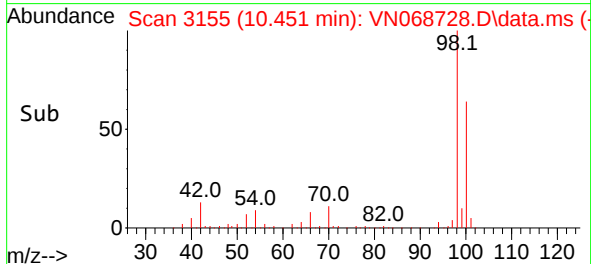
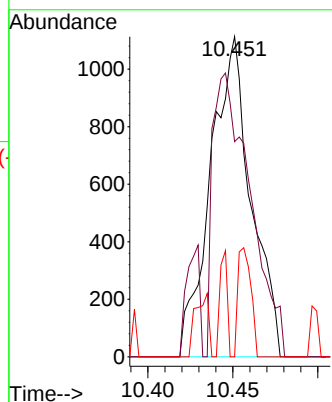
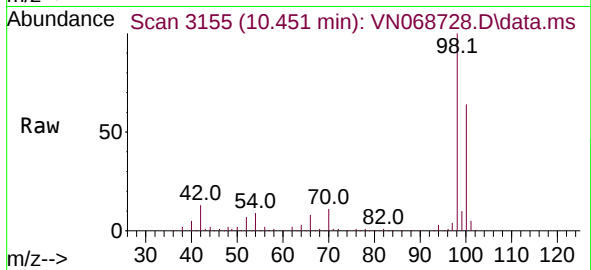




#51
Ethyl methacrylate
Concen: 0.238 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.311 min
Lab File: VN068728.D
Acq: 28 Sep 2021 19:13

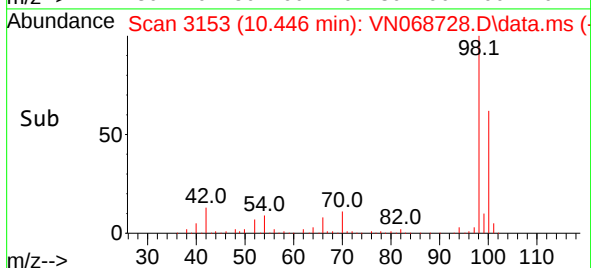
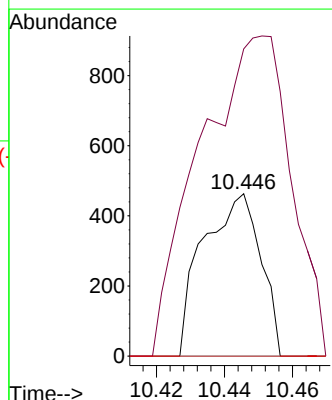
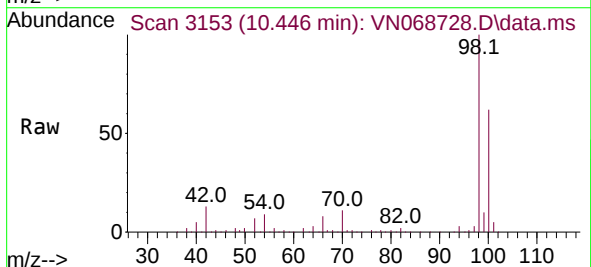
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MSVOA_N
ClientSampleId :
VN0928WBL02

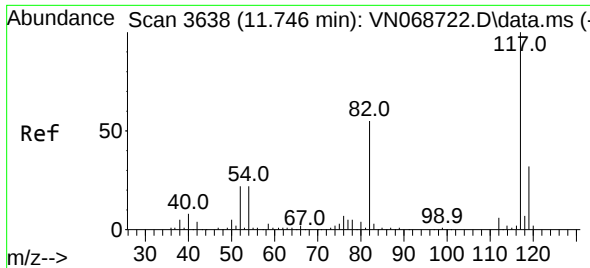
Tgt Ion: 69 Resp: 1845
Ion Ratio Lower Upper
69 100
41 67.2 33.0 98.9
39 0.0 25.4 76.4#



#55
2-Chloroethyl vinyl ether
Concen: 0.251 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.405 min
Lab File: VN068728.D
Acq: 28 Sep 2021 19:13

Tgt Ion: 63 Resp: 543
Ion Ratio Lower Upper
63 100
65 194.3 25.4 38.0#
106 0.0 23.2 34.8#

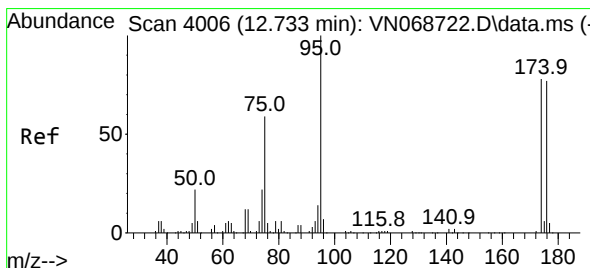
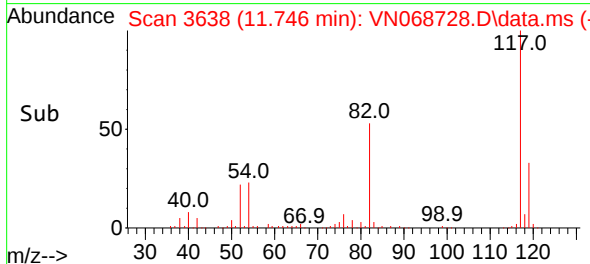
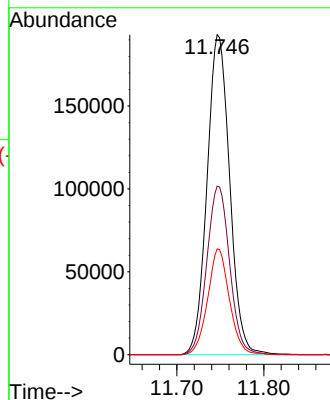
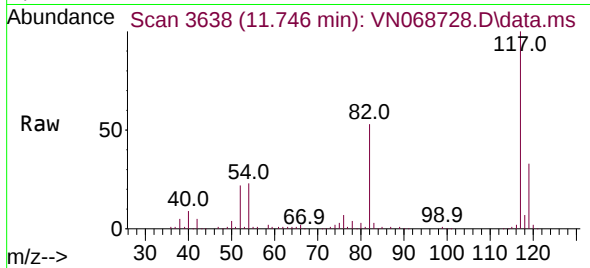




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068728.D
Acq: 28 Sep 2021 19:13

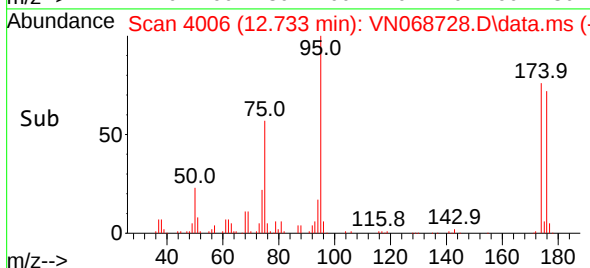
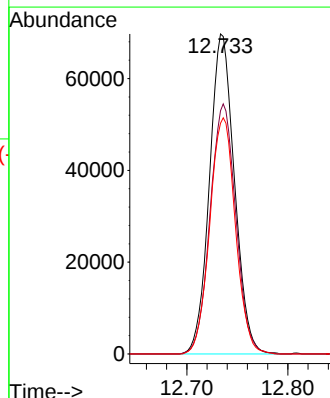
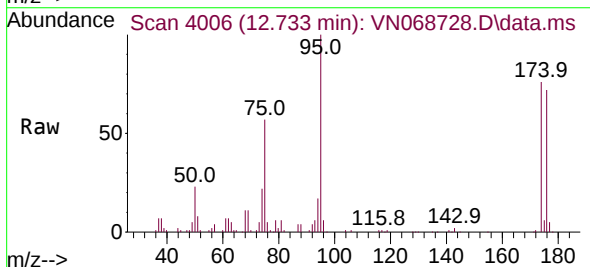
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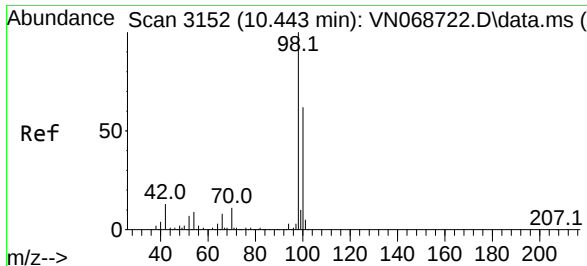
Tgt Ion:	117	Resp:	349248
Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.6	65.4
119	31.7	25.8	38.6



#60
4-Bromofluorobenzene
Concen: 21.966 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068728.D
Acq: 28 Sep 2021 19:13

Tgt Ion:	95	Resp:	119845
Ion	Ratio	Lower	Upper
95	100		
174	80.4	62.9	94.3
176	75.8	61.0	91.4

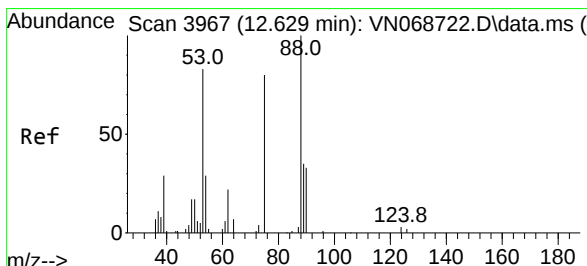
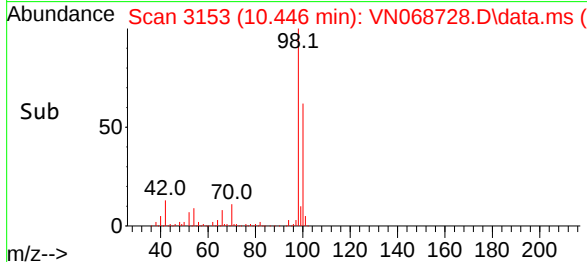
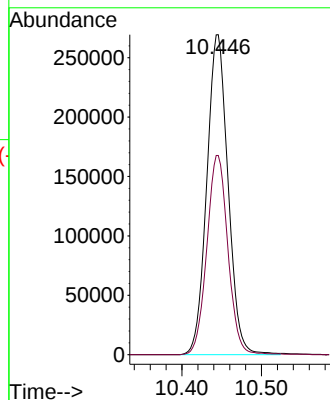
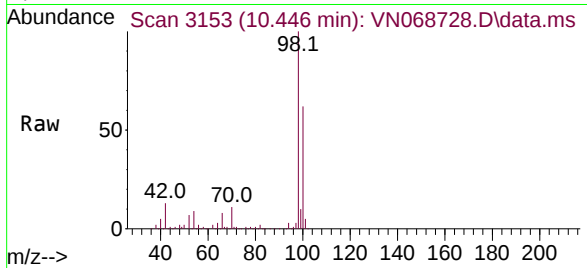




#63
Toluene-d8
Concen: 31.631 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068728.D
Acq: 28 Sep 2021 19:13

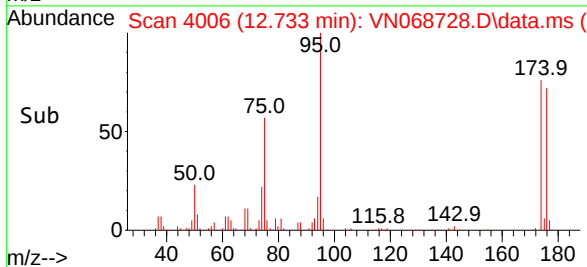
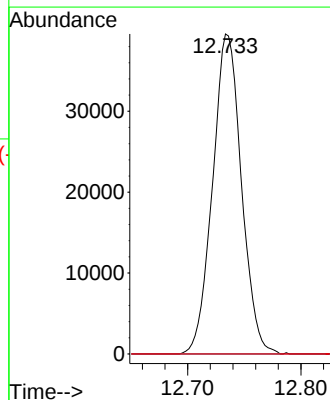
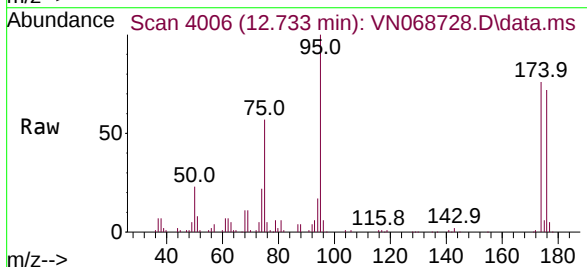
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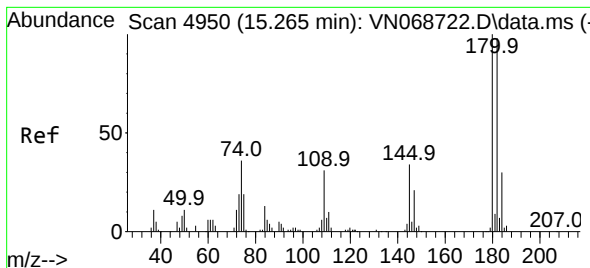
Tgt Ion: 98 Resp: 499331
Ion Ratio Lower Upper
98 100
100 61.5 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 33.105 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068728.D
Acq: 28 Sep 2021 19:13

Tgt Ion: 75 Resp: 69910
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#





#89

1,2,4-Trichlorobenzene

Concen: 0.246 ug/l

RT: 15.268 min Scan# 4951

Delta R.T. 0.003 min

Lab File: VN068728.D

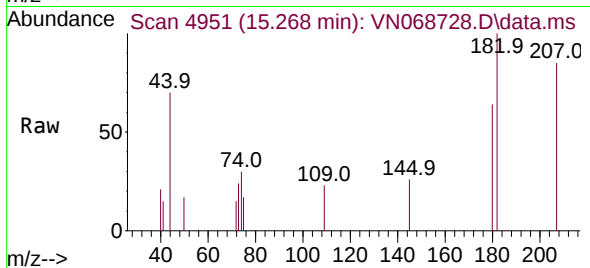
Acq: 28 Sep 2021 19:13

Instrument :

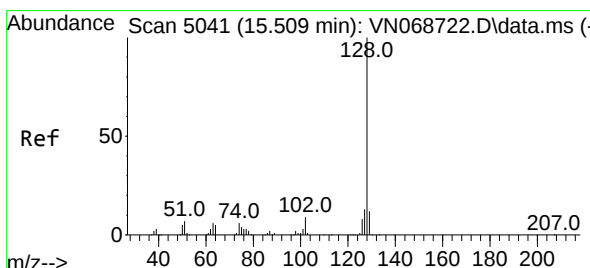
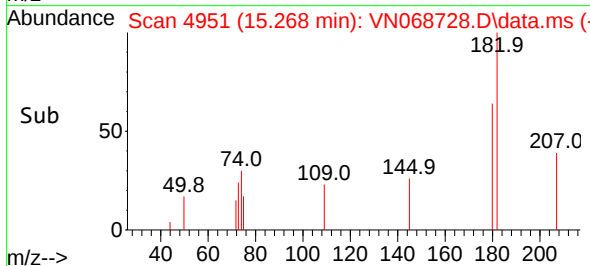
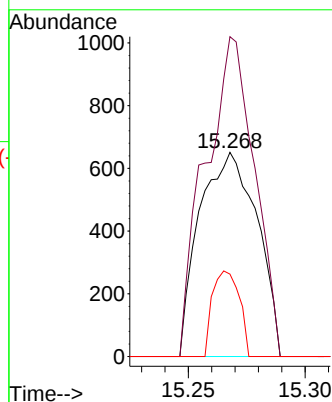
MSVOA_N

ClientSampleId :

VN0928WBL02



Tgt Ion:	180	Resp:	1115
Ion Ratio	Lower	Upper	
180	100		
182	97.4	77.7	116.5
145	19.5	26.6	39.8#



#91

Naphthalene

Concen: 0.427 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.002 min

Lab File: VN068728.D

Acq: 28 Sep 2021 19:13

Tgt Ion:	128	Resp:	5454
Ion Ratio	Lower	Upper	
128	100		
127	4.3	10.7	16.1#
129	2.9	9.0	13.6#

