

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090321\
 Data File : VN068412.D
 Acq On : 3 Sep 2021 17:07
 Operator : JC/MD
 Sample : M3644-02RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 04 03:12:49 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)

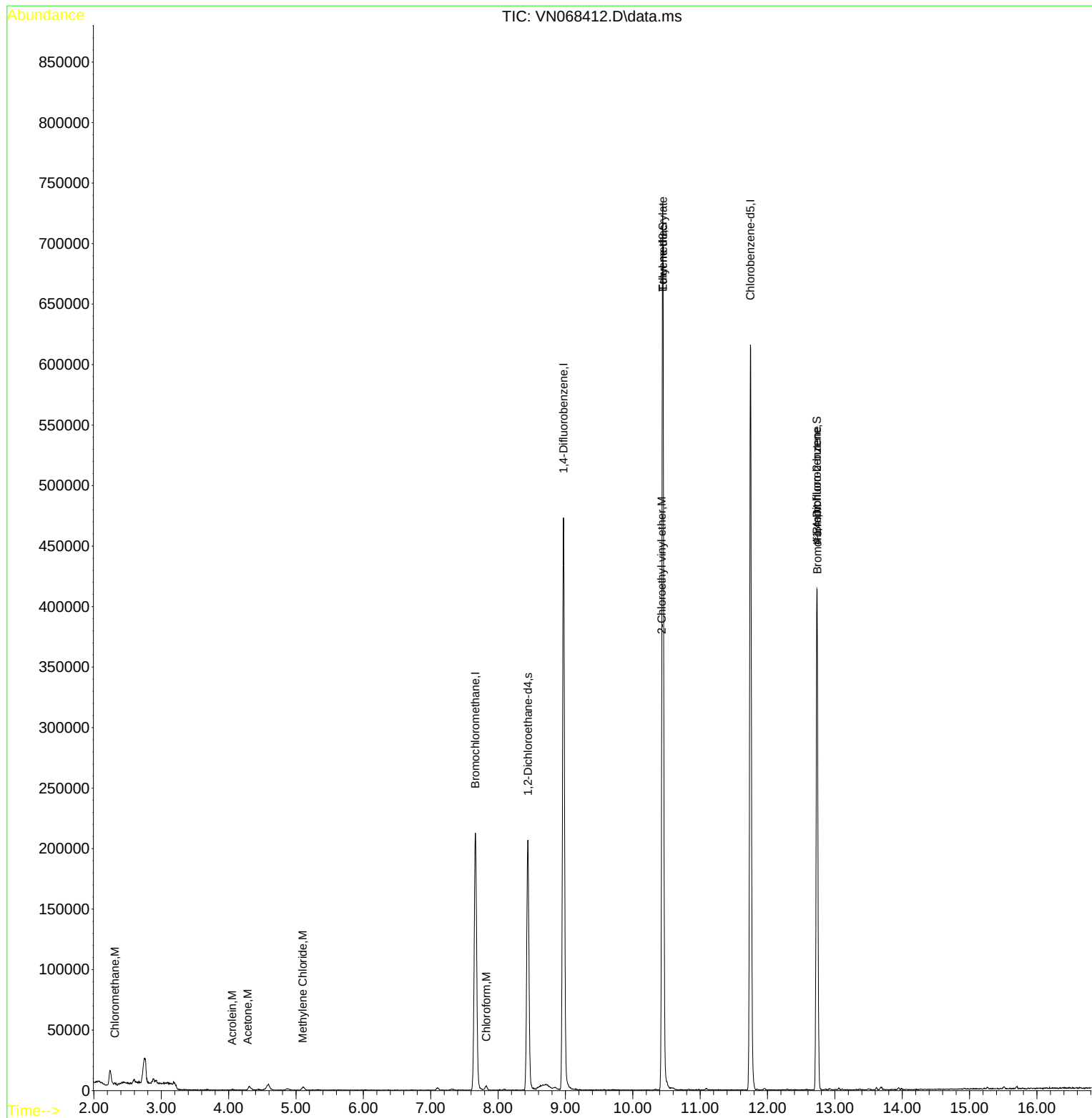
Internal Standards						
1) Bromochloromethane	7.662	128	87675	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	456028	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.746	117	387588	30.000	ug/l	# 0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.442	65	173050	33.292	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 110.967%#	
60) 4-Bromofluorobenzene	12.733	95	144028	26.241	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 87.467%	
63) Toluene-d8	10.446	98	542259	31.417	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 104.733%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.311	50	1780	0.443	ug/l	98
13) Acrolein	4.052	56	261	0.662	ug/l #	52
15) Acetone	4.282	58	131	0.250	ug/l #	1
18) Methylene Chloride	5.100	84	1054	0.220	ug/l #	53
25) Chloroform	7.825	83	3482	0.383	ug/l	89
51) Ethyl methacrylate	10.448	69	1677	0.255	ug/l	78
55) 2-Chloroethyl vinyl ether	10.430	63	124	46.390	ug/l #	46
56) Bromoform	12.739	173	1768	0.375	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.733	75	74720	50.202	ug/l #	6

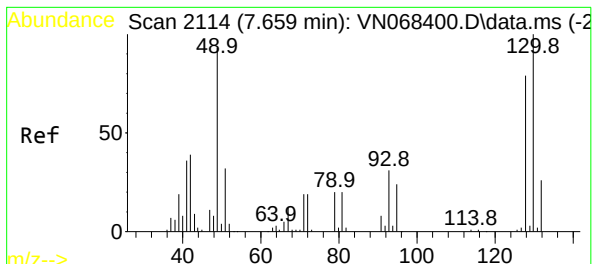
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

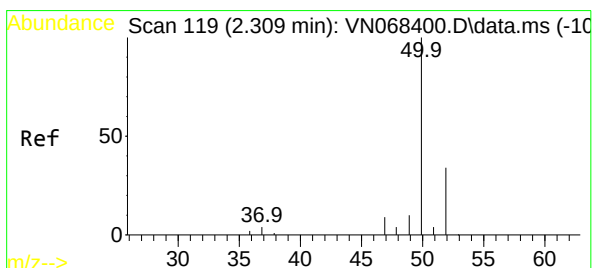
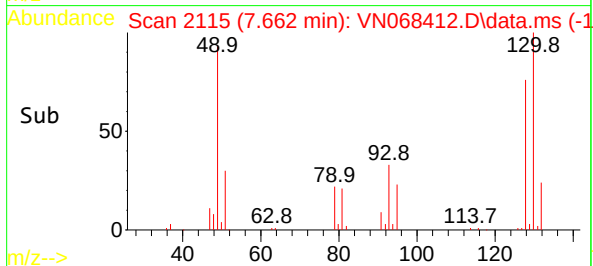
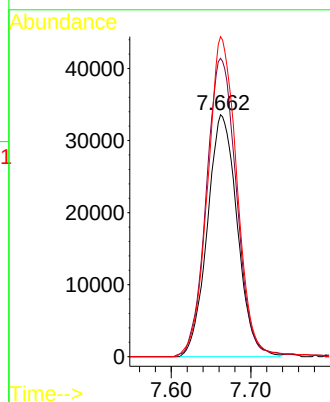
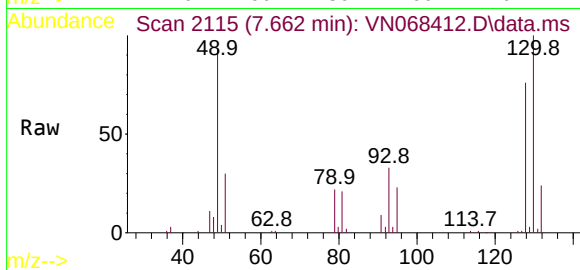




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN068412.D
Acq: 3 Sep 2021 17:07

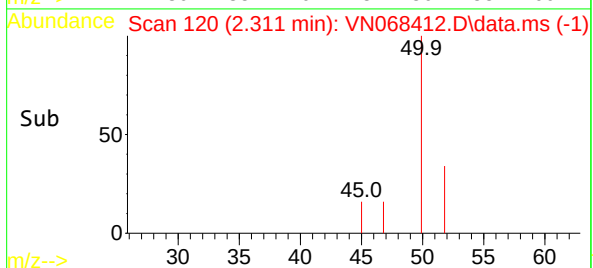
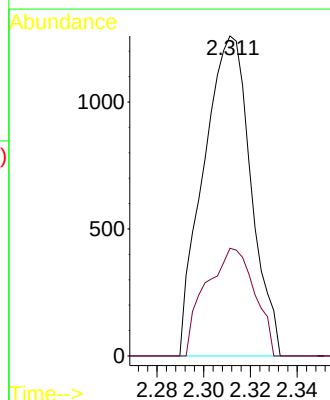
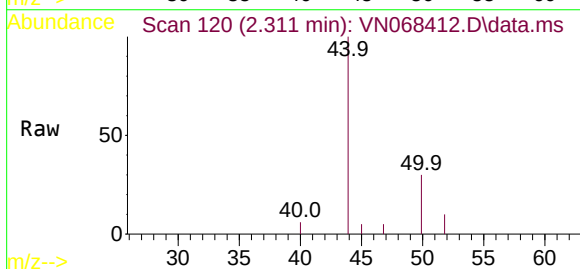
Instrument :
MSVOA_N
ClientSampled :

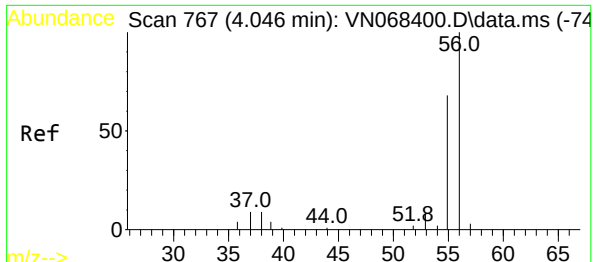
Tgt Ion:128 Resp: 87675
Ion Ratio Lower Upper
128 100
49 124.4 0.0 517.5
130 129.5 0.0 325.8



#3
Chloromethane
Concen: 0.443 ug/l
RT: 2.311 min Scan# 120
Delta R.T. 0.003 min
Lab File: VN068412.D
Acq: 3 Sep 2021 17:07

Tgt Ion: 50 Resp: 1780
Ion Ratio Lower Upper
50 100
52 33.7 26.0 39.0

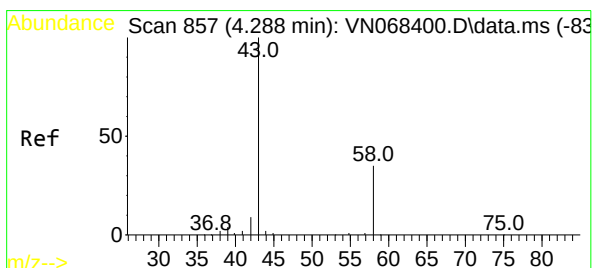
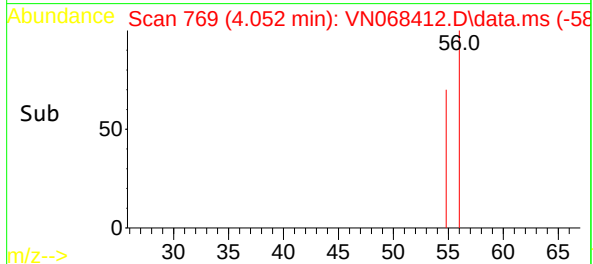
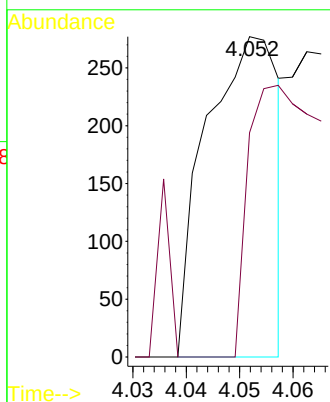
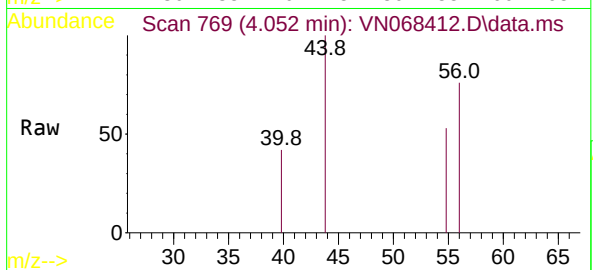




#13
Acrolein
Concen: 0.662 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.005 min
Lab File: VN068412.D
Acq: 3 Sep 2021 17:07

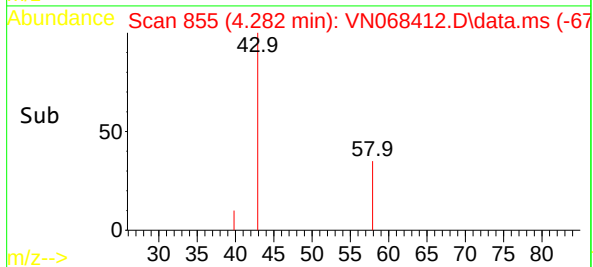
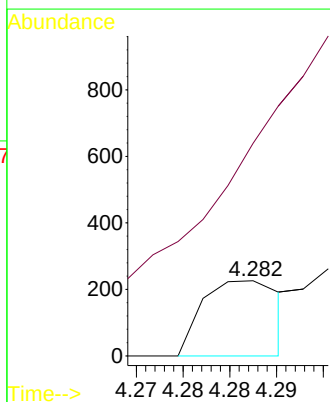
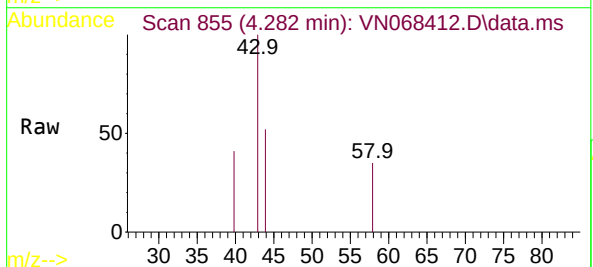
Instrument :
MSVOA_N
ClientSampled :

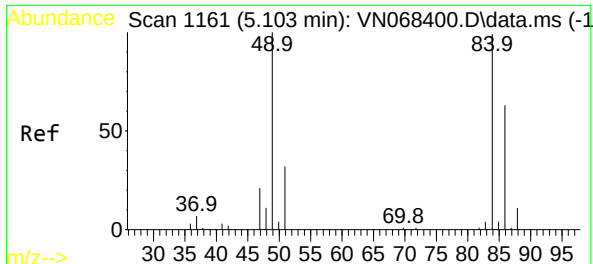
Tgt Ion: 56 Resp: 261
Ion Ratio Lower Upper
56 100
55 112.3 57.5 86.3#



#15
Acetone
Concen: 0.250 ug/l
RT: 4.282 min Scan# 855
Delta R.T. -0.005 min
Lab File: VN068412.D
Acq: 3 Sep 2021 17:07

Tgt Ion: 58 Resp: 131
Ion Ratio Lower Upper
58 100
43 130.5 289.6 434.4#



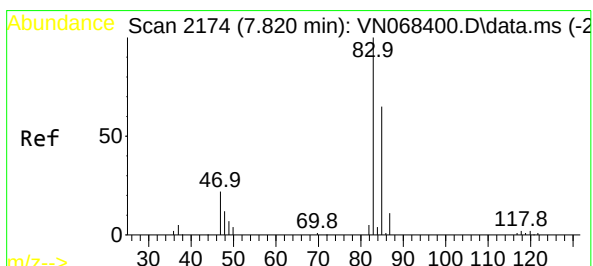
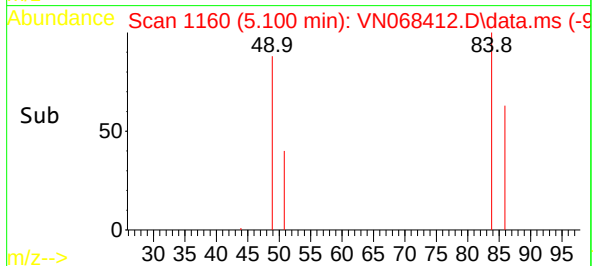
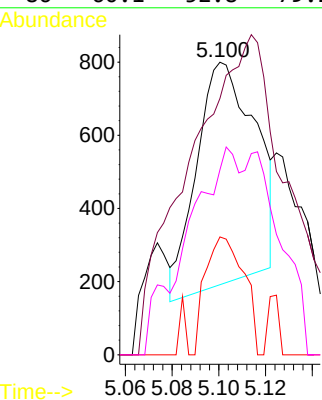
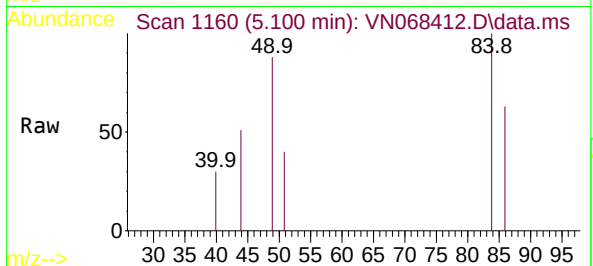


#18
Methylene Chloride
Concen: 0.220 ug/l
RT: 5.100 min Scan# 1160
Delta R.T. -0.003 min
Lab File: VN068412.D
Acq: 3 Sep 2021 17:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 84 Resp: 1054

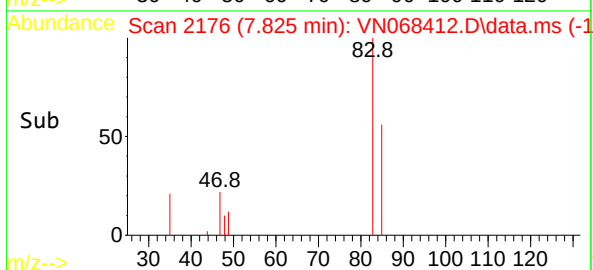
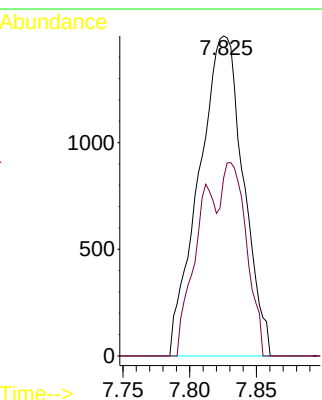
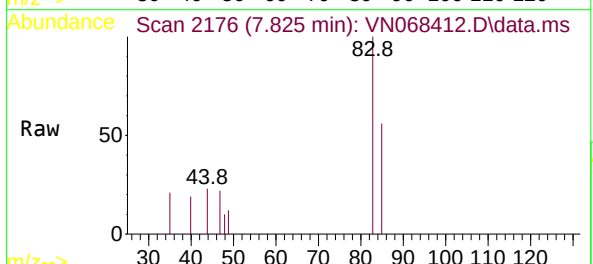
Ion	Ratio	Lower	Upper
84	100		
49	53.2	110.9	166.3#
51	57.3	31.2	46.8#
86	60.1	52.8	79.2

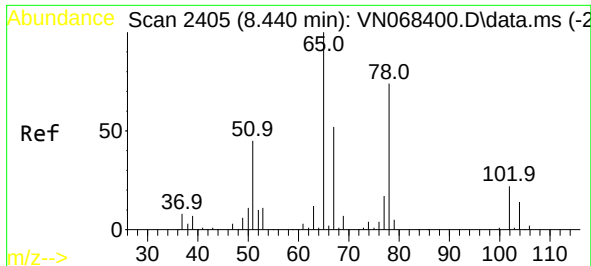


#25
Chloroform
Concen: 0.383 ug/l
RT: 7.825 min Scan# 2176
Delta R.T. 0.005 min
Lab File: VN068412.D
Acq: 3 Sep 2021 17:07

Tgt Ion: 83 Resp: 3482

Ion	Ratio	Lower	Upper
83	100		
85	55.7	51.5	77.3



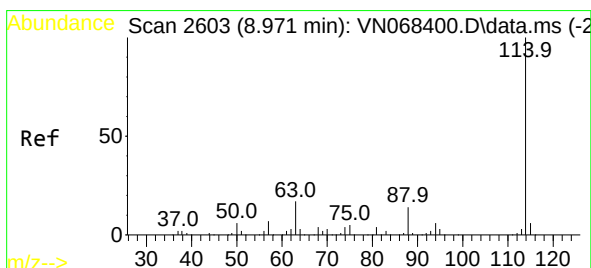
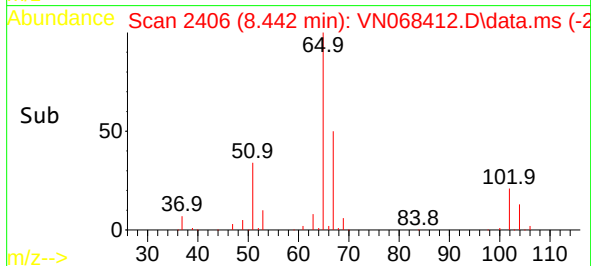
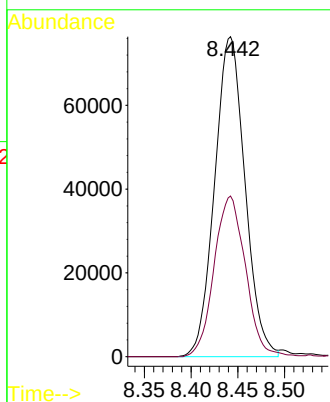
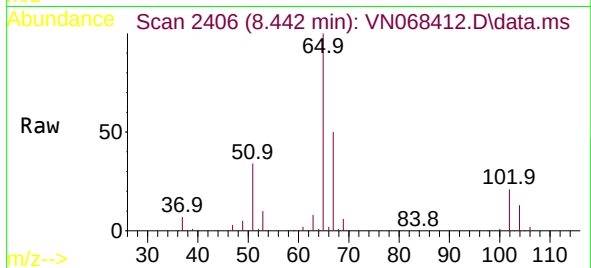


#27

1,2-Dichloroethane-d4
Concen: 33.292 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VN068412.D
Acq: 3 Sep 2021 17:07

Instrument :
MSVOA_N
ClientSampleId :

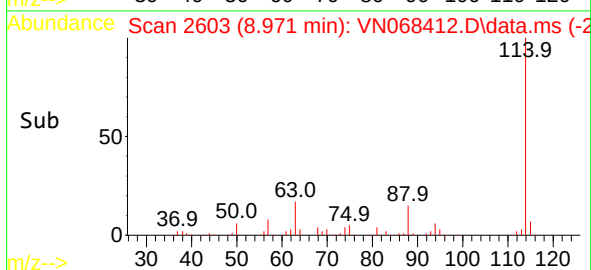
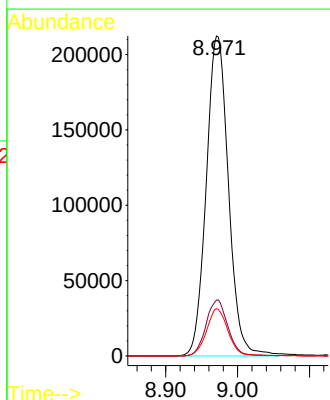
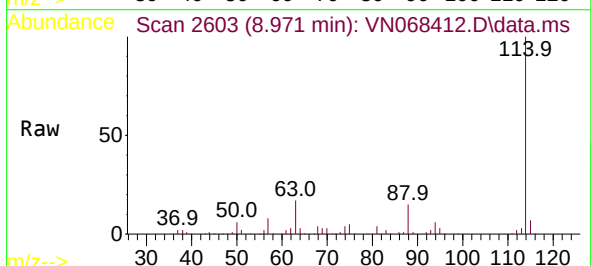
Tgt Ion: 65 Resp: 173050
Ion Ratio Lower Upper
65 100
67 51.8 39.8 59.8

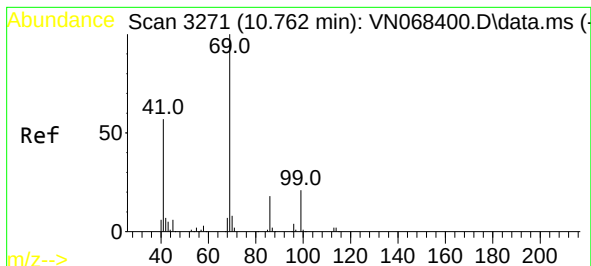


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN068412.D
Acq: 3 Sep 2021 17:07

Tgt Ion: 114 Resp: 456028
Ion Ratio Lower Upper
114 100
63 17.1 20.3 30.5#
88 14.2 14.6 22.0#

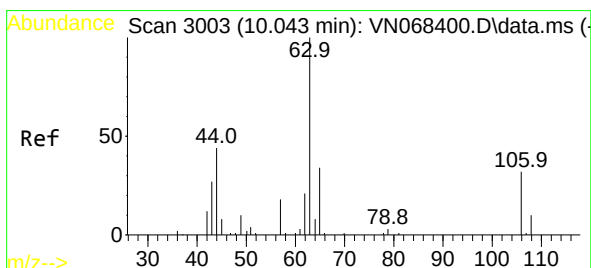
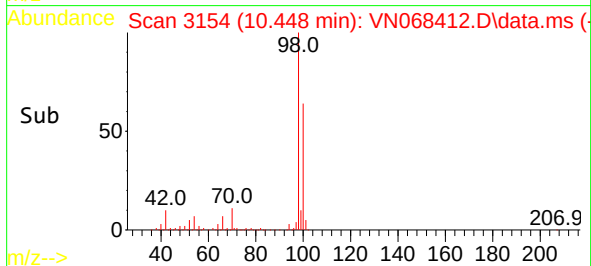
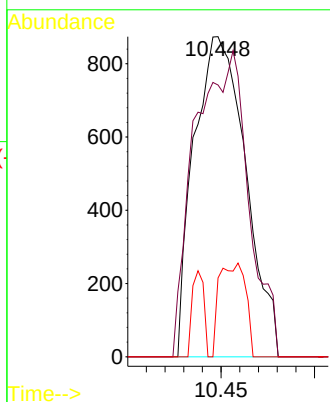
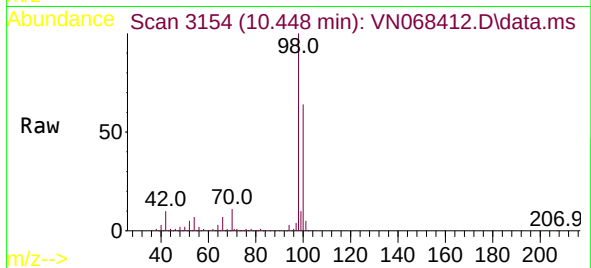




#51
Ethyl methacrylate
Concen: 0.255 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.314 min
Lab File: VN068412.D
Acq: 3 Sep 2021 17:07

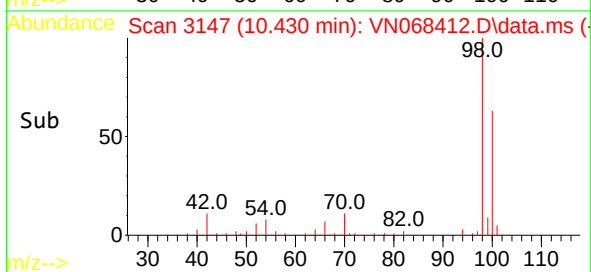
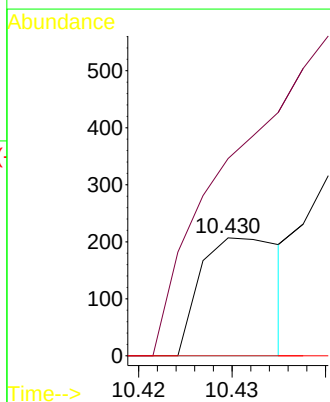
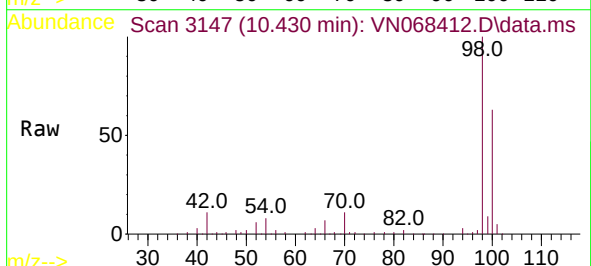
Instrument :
MSVOA_N
ClientSampleId :

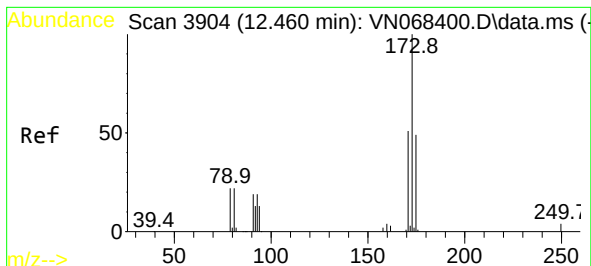
Tgt Ion: 69 Resp: 1677
Ion Ratio Lower Upper
69 100
41 84.9 36.8 110.4
39 24.6 23.8 71.2



#55
2-Chloroethyl vinyl ether
Concen: 46.390 ug/l
RT: 10.430 min Scan# 3147
Delta R.T. 0.387 min
Lab File: VN068412.D
Acq: 3 Sep 2021 17:07

Tgt Ion: 63 Resp: 124
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#
106 0.0 20.0 30.0#

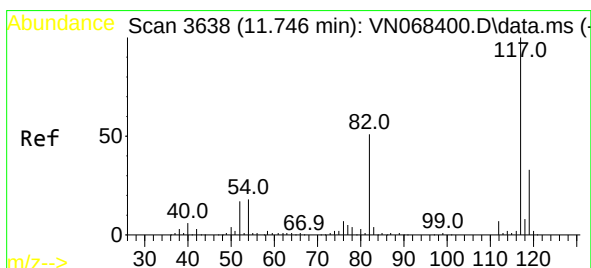
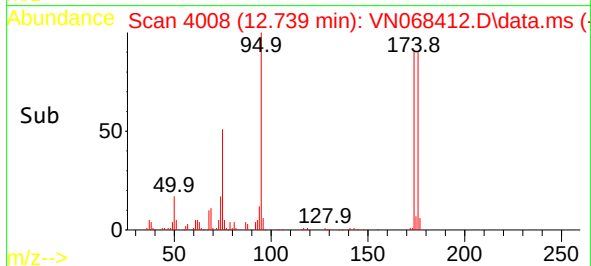
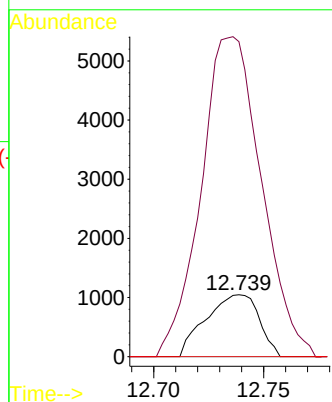
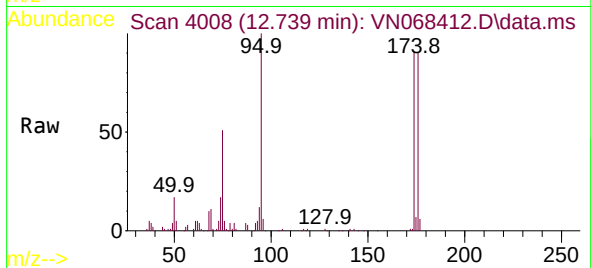




#56
Bromoform
Concen: 0.375 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN068412.D
Acq: 3 Sep 2021 17:07

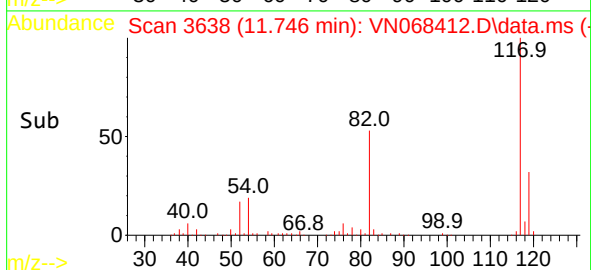
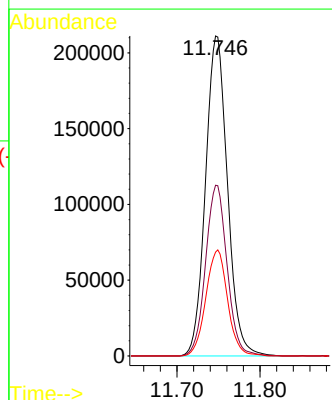
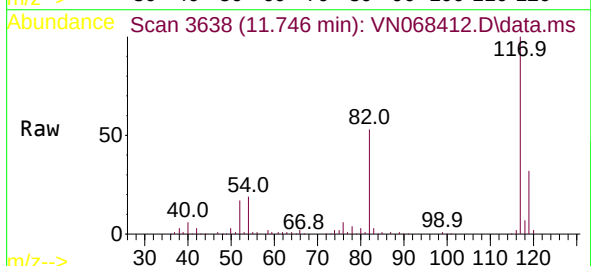
Instrument :
MSVOA_N
ClientSampleId :

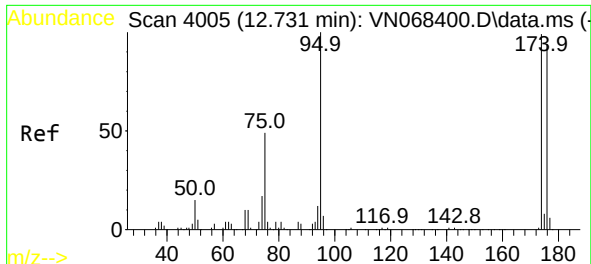
Tgt Ion:173 Resp: 1768
Ion Ratio Lower Upper
173 100
175 583.9 39.4 59.2#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068412.D
Acq: 3 Sep 2021 17:07

Tgt Ion:117 Resp: 387588
Ion Ratio Lower Upper
117 100
82 52.3 52.5 78.7#
119 32.9 25.8 38.8

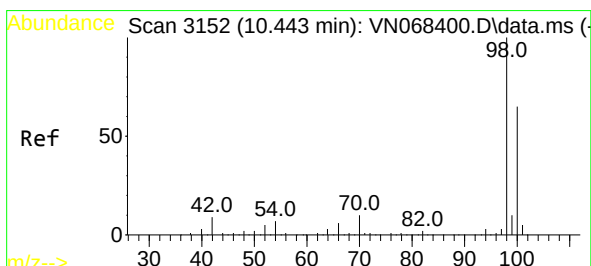
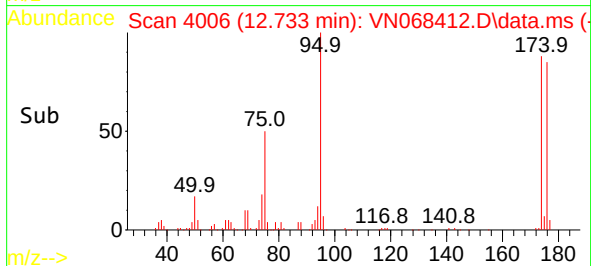
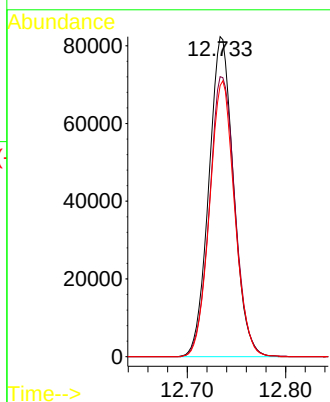
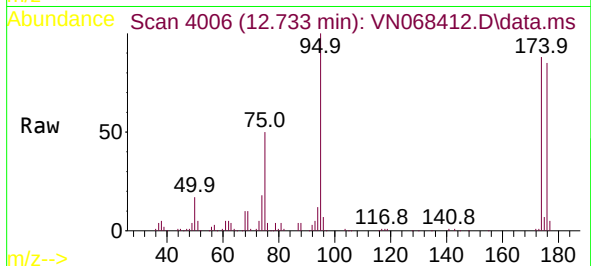




#60
4-Bromofluorobenzene
Concen: 26.241 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068412.D
Acq: 3 Sep 2021 17:07

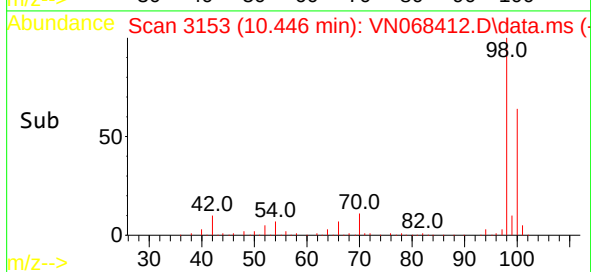
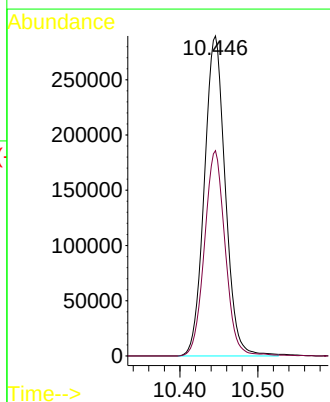
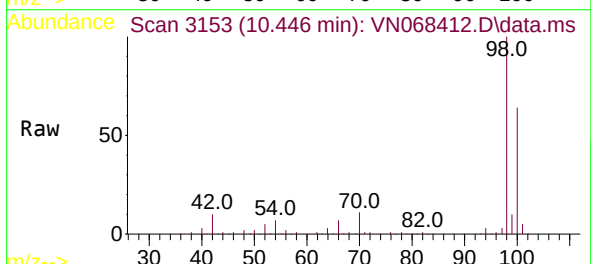
Instrument :
MSVOA_N
ClientSampleId :

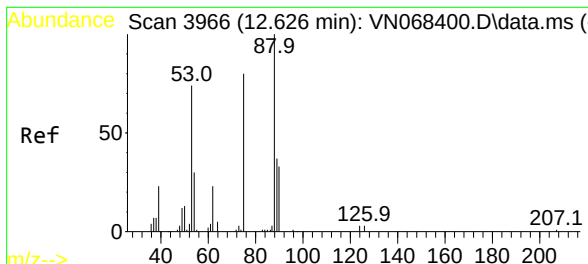
Tgt Ion: 95 Resp: 144028
Ion Ratio Lower Upper
95 100
174 90.7 47.7 71.5#
176 87.1 45.7 68.5#



#63
Toluene-d8
Concen: 31.417 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068412.D
Acq: 3 Sep 2021 17:07

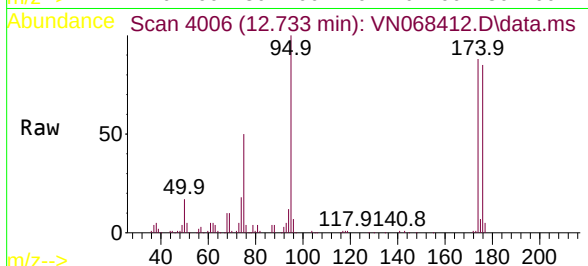
Tgt Ion: 98 Resp: 542259
Ion Ratio Lower Upper
98 100
100 63.0 51.2 76.8





#77
 t-1,4-Dichloro-2-butene
 Concen: 50.202 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN068412.D
 Acq: 3 Sep 2021 17:07

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	74720
Ion	Ratio	Lower	Upper
75	100		
53	0.0	55.2	165.6#
89	0.0	24.5	73.5#

