

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090321\
 Data File : VN068414.D
 Acq On : 3 Sep 2021 17:52
 Operator : JC/MD
 Sample : M3644-05RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 04 03:13:15 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)

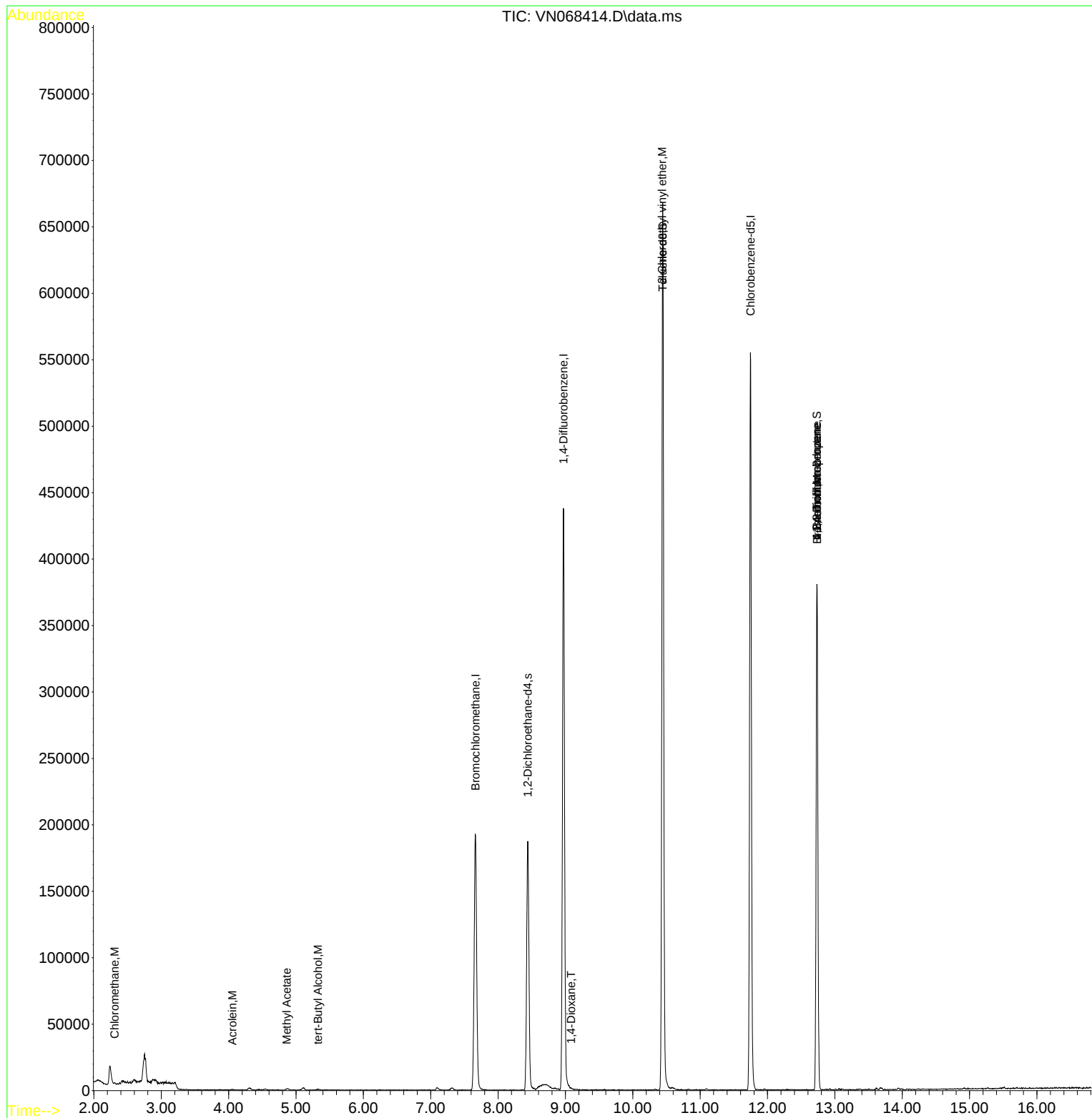
Internal Standards						
1) Bromochloromethane	7.665	128	79289	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	415938	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.749	117	352878	30.000	ug/l	# 0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	160225	34.085	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 113.633%#	
60) 4-Bromofluorobenzene	12.734	95	132894	26.594	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 88.633%	
63) Toluene-d8	10.443	98	496161	31.573	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 105.233%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	1265	0.348	ug/l	97
12) Methyl Acetate	4.862	43	921	0.231	ug/l	97
13) Acrolein	4.055	56	158	0.443	ug/l	# 60
23) tert-Butyl Alcohol	5.329	59	129	0.218	ug/l	# 100
45) 1,4-Dioxane	9.086	88	55	0.798	ug/l	# 1
55) 2-Chloroethyl vinyl ether	10.438	63	198	46.496	ug/l	# 1
56) Bromoform	12.736	173	1054	0.245	ug/l	# 1
72) 1,2,3-Trichloropropane	12.734	75	67848	15.180	ug/l	1
77) t-1,4-Dichloro-2-butene	12.734	75	67848	50.068	ug/l	# 6

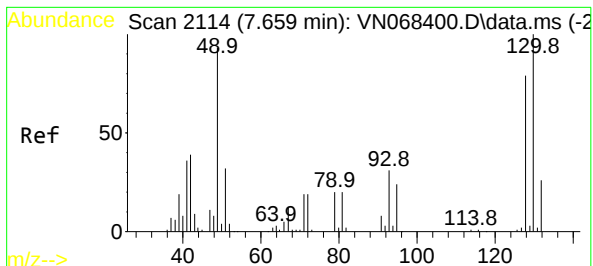
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 03 13:24:01 2021
Response via : Initial Calibration

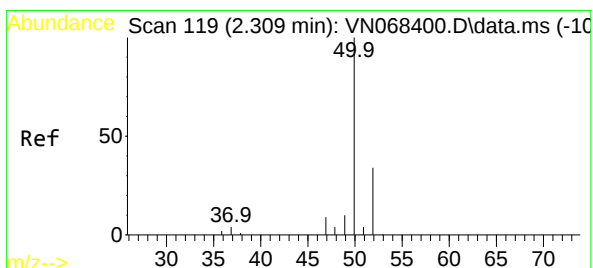
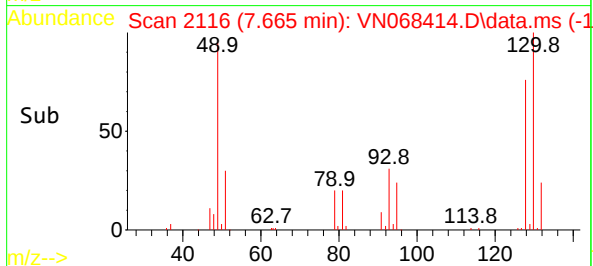
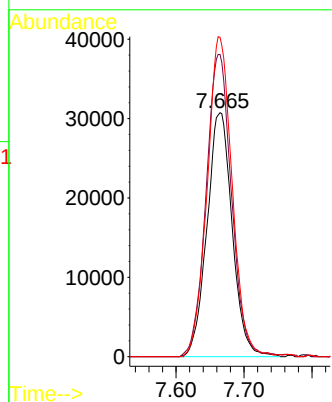
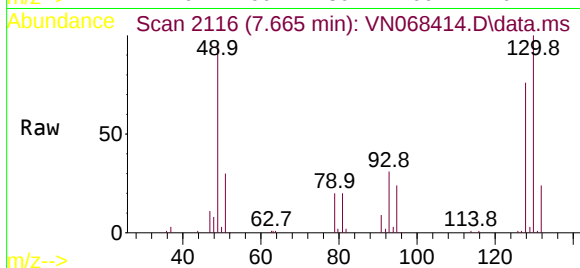




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.665 min Scan# 2116
Delta R.T. 0.006 min
Lab File: VN068414.D
Acq: 3 Sep 2021 17:52

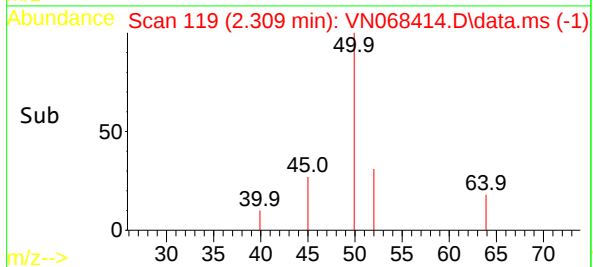
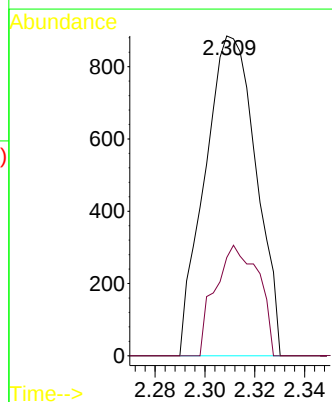
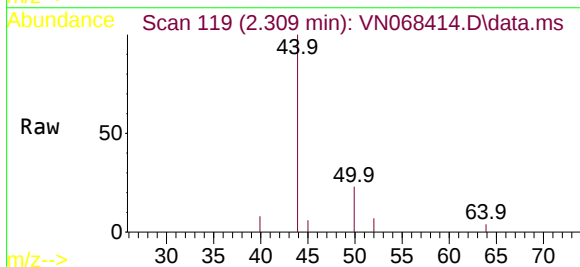
Instrument :
MSVOA_N
ClientSampled :

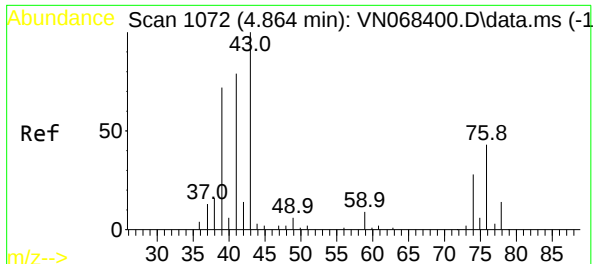
Tgt Ion:128 Resp: 79289
Ion Ratio Lower Upper
128 100
49 124.4 0.0 517.5
130 129.2 0.0 325.8



#3
Chloromethane
Concen: 0.348 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.000 min
Lab File: VN068414.D
Acq: 3 Sep 2021 17:52

Tgt Ion: 50 Resp: 1265
Ion Ratio Lower Upper
50 100
52 30.7 26.0 39.0





#12

Methyl Acetate

Concen: 0.231 ug/l

RT: 4.862 min Scan# 1071

Delta R.T. -0.002 min

Lab File: VN068414.D

Acq: 3 Sep 2021 17:52

Tgt Ion: 43 Resp: 921

Ion Ratio Lower Upper

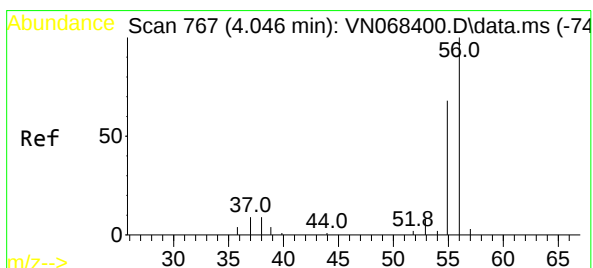
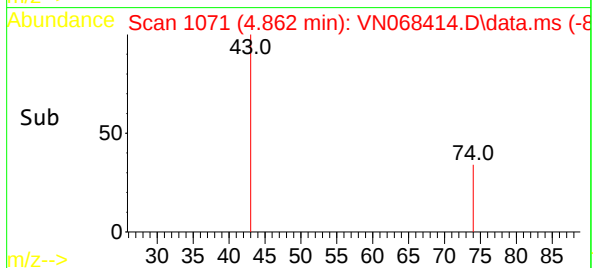
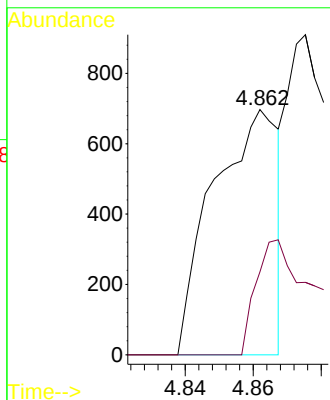
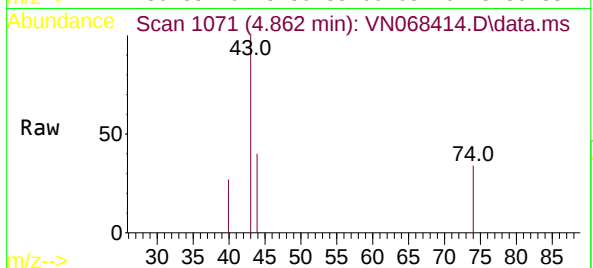
43 100

74 19.3 16.6 25.0

Instrument :

MSVOA_N

ClientSampleId :



#13

Acrolein

Concen: 0.443 ug/l

RT: 4.055 min Scan# 770

Delta R.T. 0.008 min

Lab File: VN068414.D

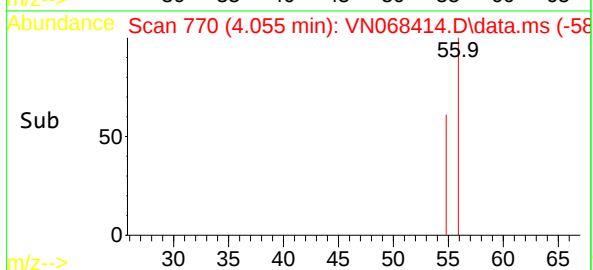
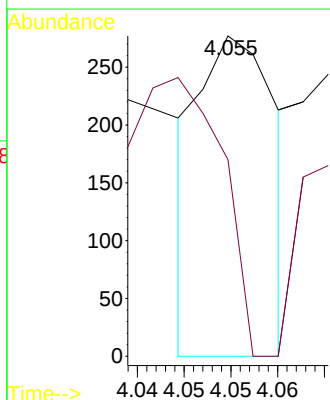
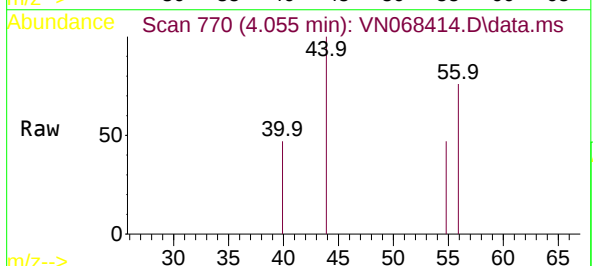
Acq: 3 Sep 2021 17:52

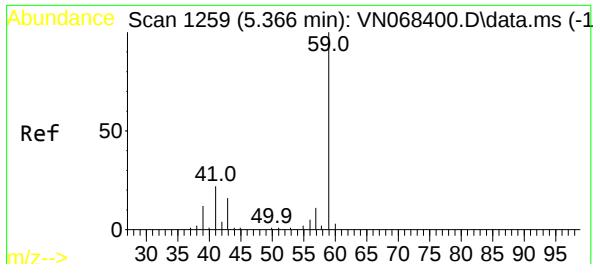
Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100

55 105.1 57.5 86.3#

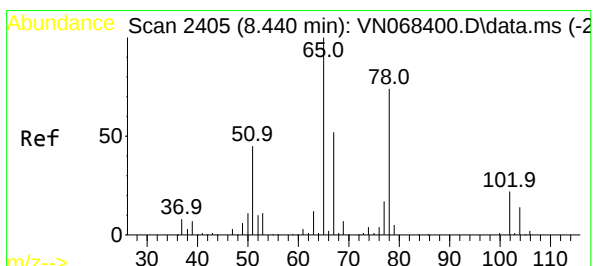
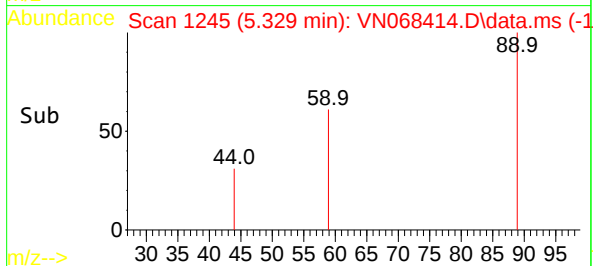
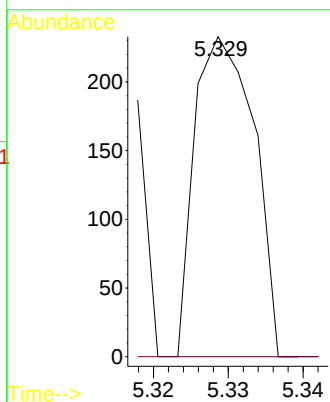
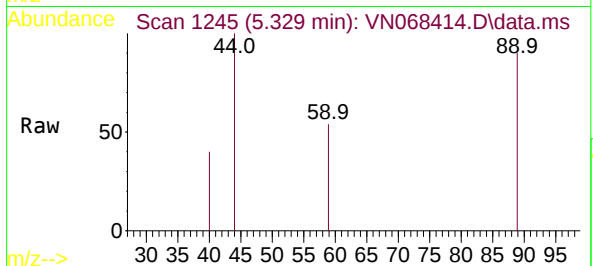




#23
tert-Butyl Alcohol
Concen: 0.218 ug/l
RT: 5.329 min Scan# 1245
Delta R.T. -0.037 min
Lab File: VN068414.D
Acq: 3 Sep 2021 17:52

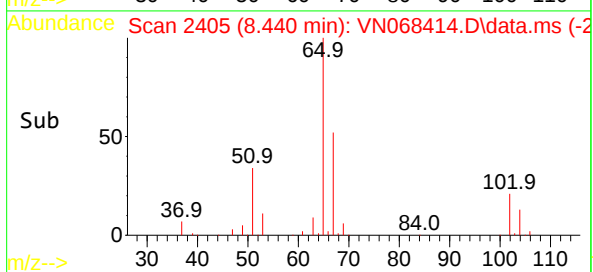
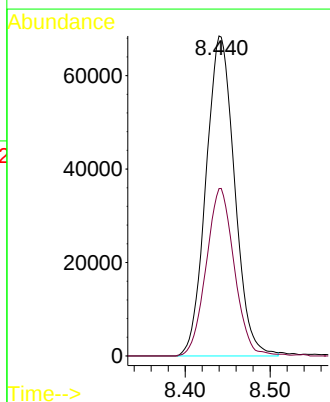
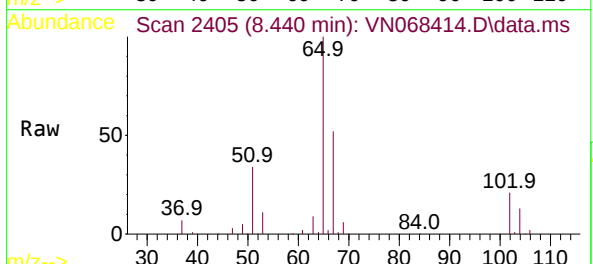
Instrument :
MSVOA_N
ClientSampled :

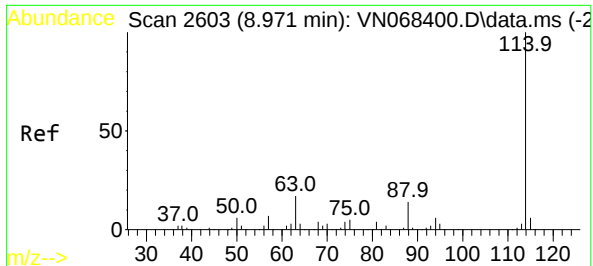
Tgt Ion: 59 Resp: 129
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 34.085 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068414.D
Acq: 3 Sep 2021 17:52

Tgt Ion: 65 Resp: 160225
Ion Ratio Lower Upper
65 100
67 51.3 39.8 59.8

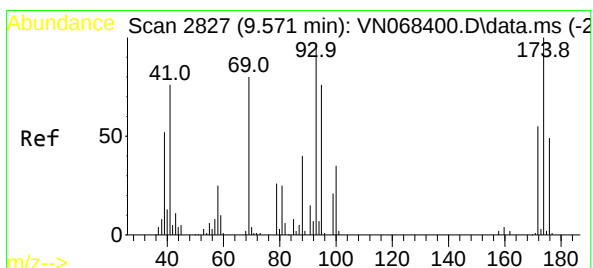
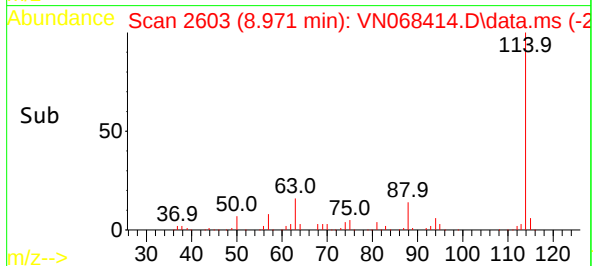
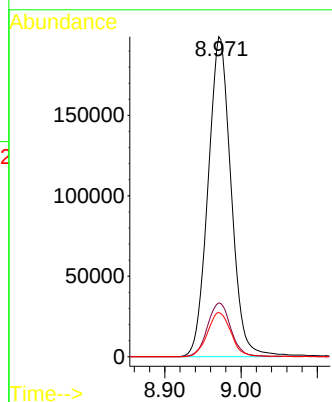
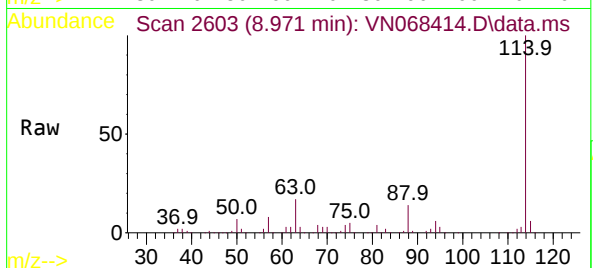




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN068414.D
Acq: 3 Sep 2021 17:52

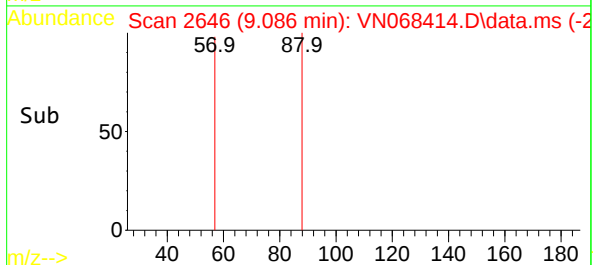
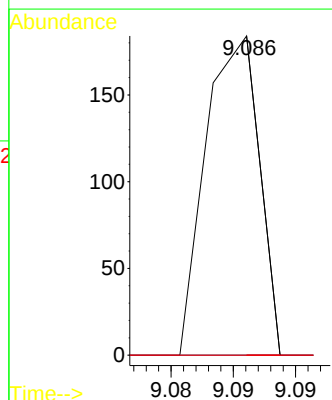
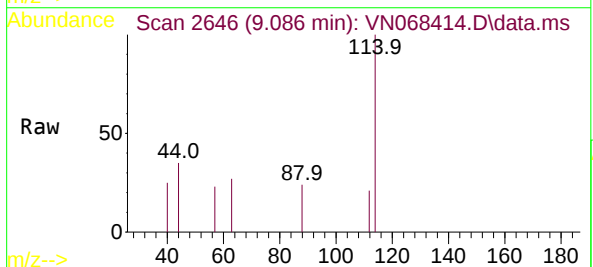
Instrument :
MSVOA_N
ClientSampled :

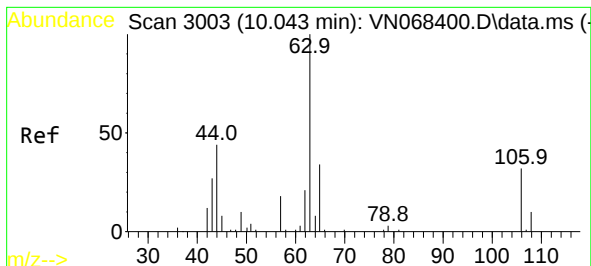
Tgt Ion:114 Resp: 415938
Ion Ratio Lower Upper
114 100
63 17.2 20.3 30.5#
88 14.0 14.6 22.0#



#45
1,4-Dioxane
Concen: 0.798 ug/l
RT: 9.086 min Scan# 2646
Delta R.T. -0.485 min
Lab File: VN068414.D
Acq: 3 Sep 2021 17:52

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 105.5 18.0 27.0#
58 0.0 57.7 86.5#

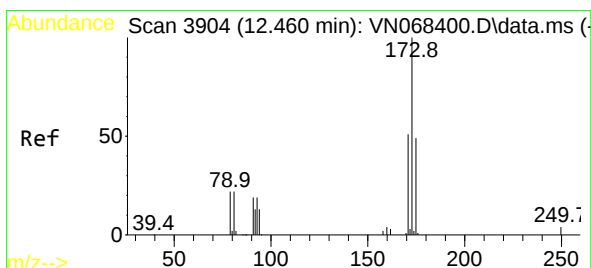
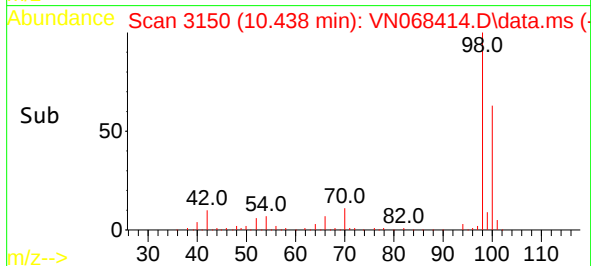
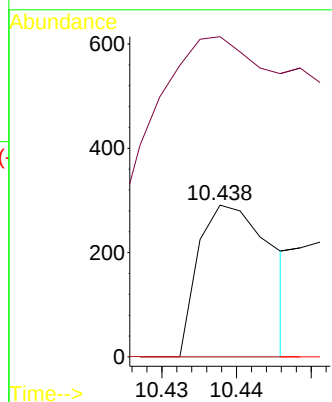
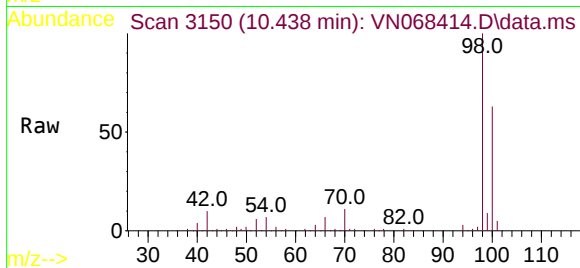




#55
2-Chloroethyl vinyl ether
Concen: 46.496 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. 0.395 min
Lab File: VN068414.D
Acq: 3 Sep 2021 17:52

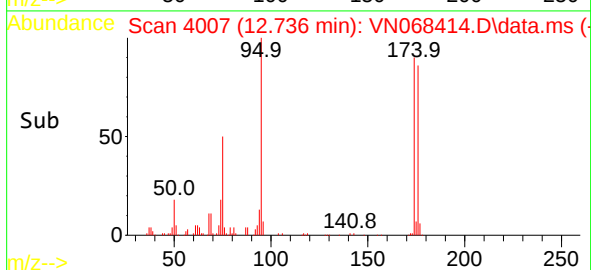
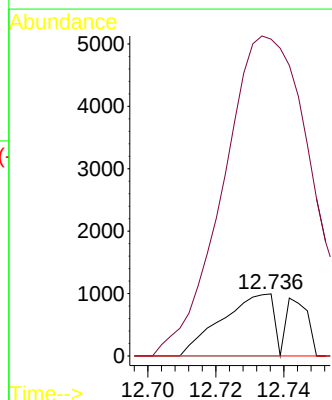
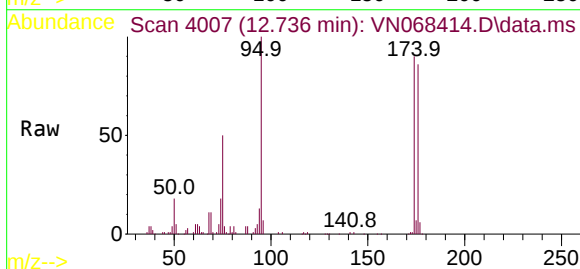
Instrument :
MSVOA_N
ClientSampled :

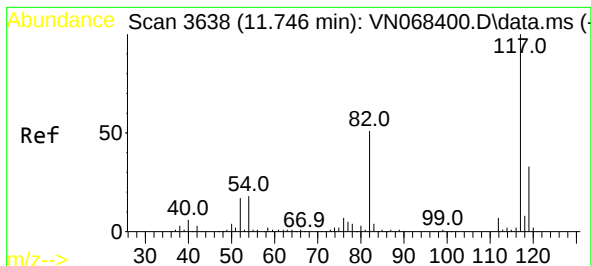
Tgt Ion: 63 Resp: 198
Ion Ratio Lower Upper
63 100
65 376.8 25.6 38.4#
106 0.0 20.0 30.0#



#56
Bromoform
Concen: 0.245 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068414.D
Acq: 3 Sep 2021 17:52

Tgt Ion: 173 Resp: 1054
Ion Ratio Lower Upper
173 100
175 892.5 39.4 59.2#
254 0.0 0.0 0.0

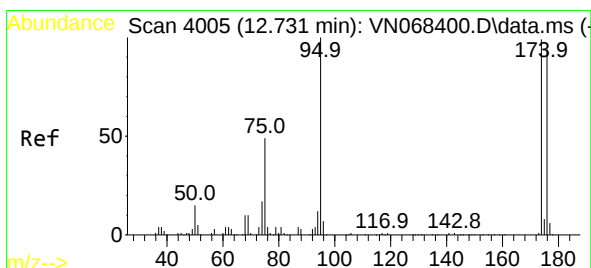
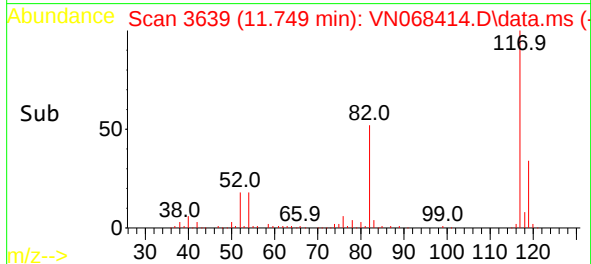
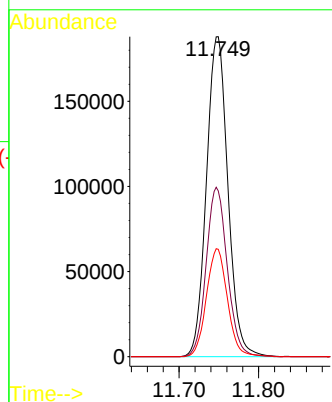
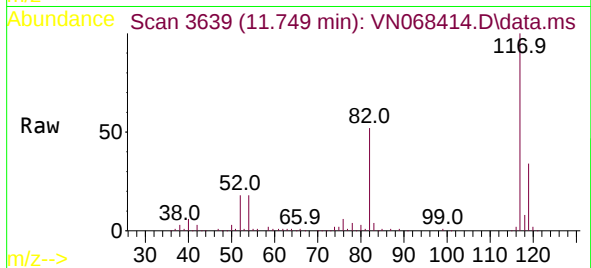




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068414.D
Acq: 3 Sep 2021 17:52

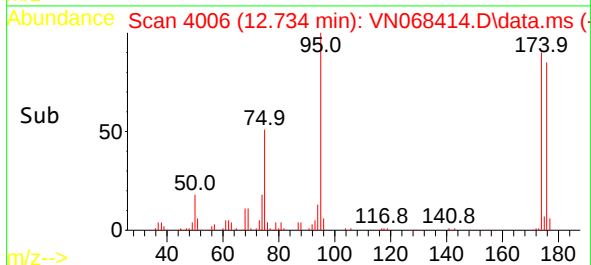
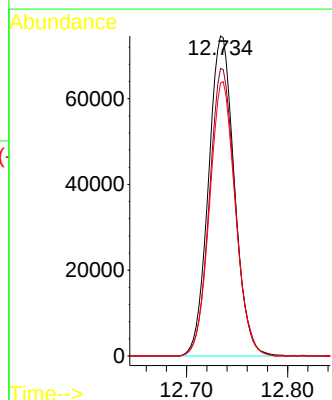
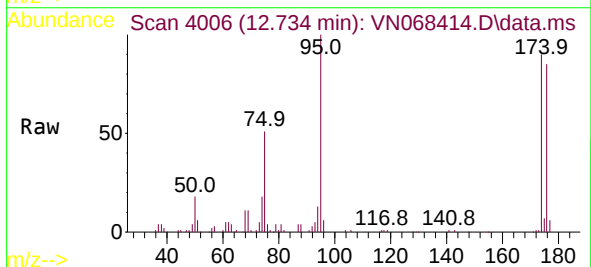
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MSVOA_N
ClientSampled :

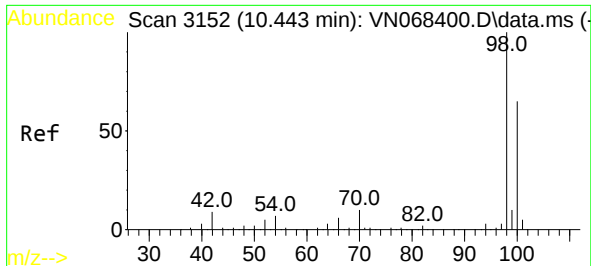
Tgt Ion:117 Resp: 352878
Ion Ratio Lower Upper
117 100
82 52.2 52.5 78.7#
119 33.0 25.8 38.8



#60
4-Bromofluorobenzene
Concen: 26.594 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068414.D
Acq: 3 Sep 2021 17:52

Tgt Ion: 95 Resp: 132894
Ion Ratio Lower Upper
95 100
174 89.6 47.7 71.5#
176 85.3 45.7 68.5#

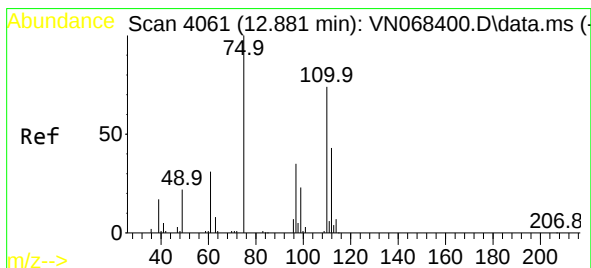
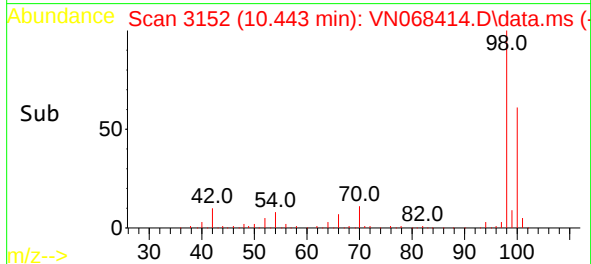
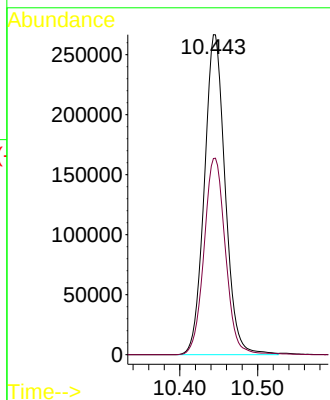
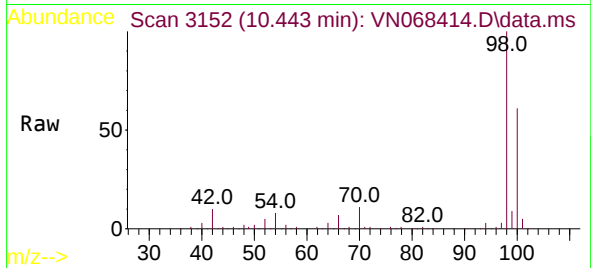




#63
Toluene-d8
Concen: 31.573 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068414.D
Acq: 3 Sep 2021 17:52

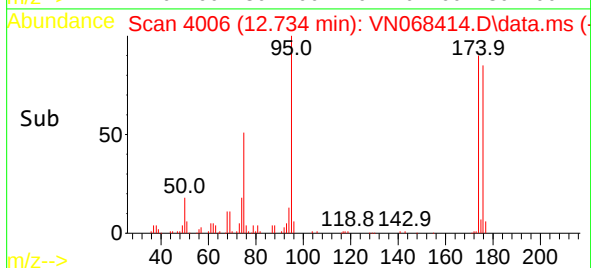
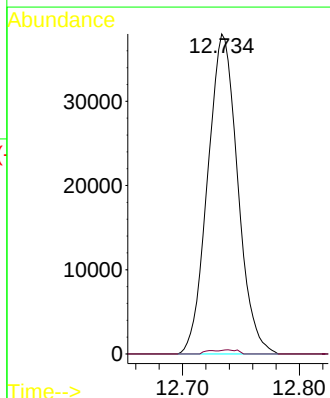
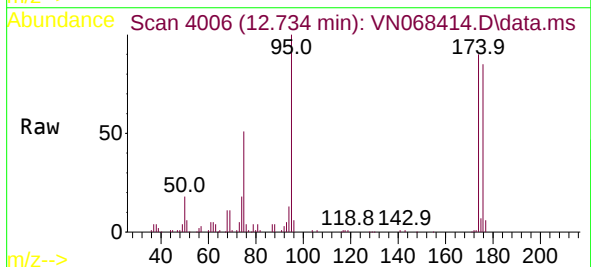
Instrument :
MSVOA_N
ClientSampled :

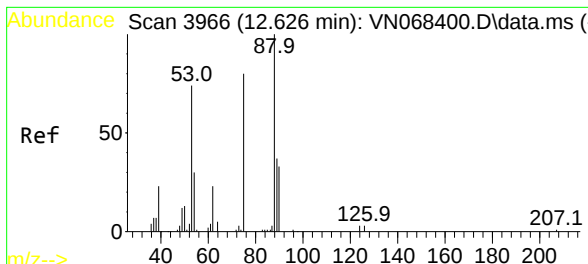
Tgt Ion: 98 Resp: 496161
Ion Ratio Lower Upper
98 100
100 63.2 51.2 76.8



#72
1,2,3-Trichloropropane
Concen: 15.180 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068414.D
Acq: 3 Sep 2021 17:52

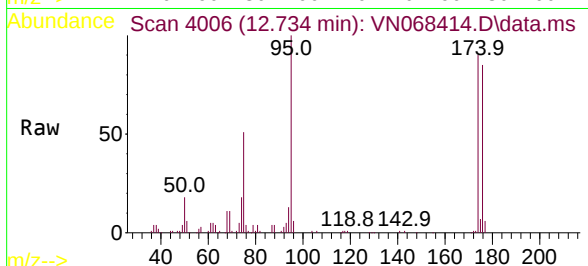
Tgt Ion: 75 Resp: 67848
Ion Ratio Lower Upper
75 100
77 0.5 0.0 374.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 50.068 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN068414.D
 Acq: 3 Sep 2021 17:52

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 67848

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

