

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090321\
 Data File : VN068413.D
 Acq On : 3 Sep 2021 17:30
 Operator : JC/MD
 Sample : M3644-04RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 04 03:13:02 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)

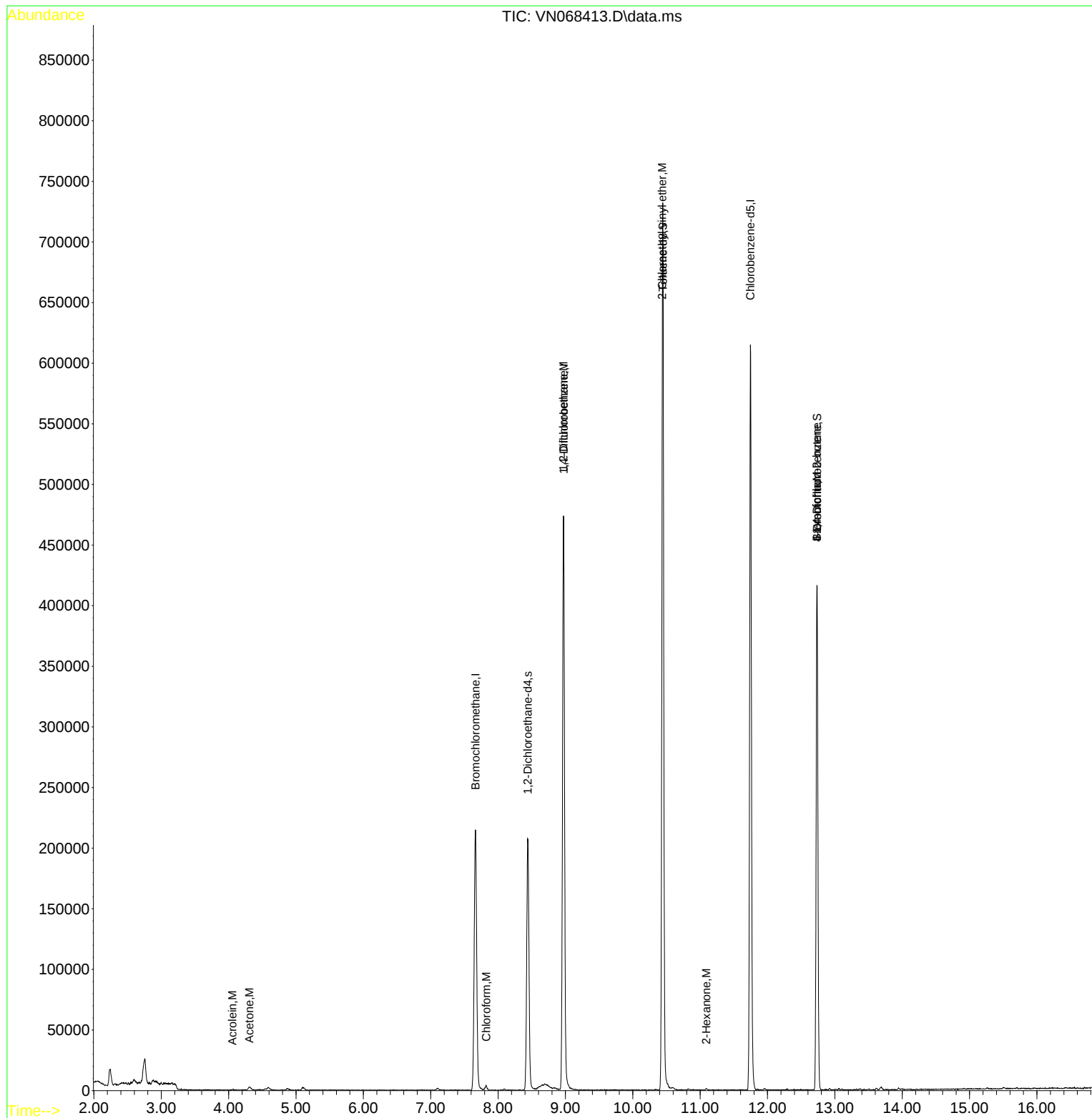
Internal Standards						
1) Bromochloromethane	7.667	128	88474	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.973	114	456728	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.746	117	393697	30.000	ug/l	# 0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	176904	33.726	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 112.433%#	
60) 4-Bromofluorobenzene	12.736	95	148587	26.651	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 88.833%	
63) Toluene-d8	10.446	98	544497	31.057	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.533%	
Target Compounds						
					Qvalue	
13) Acrolein	4.055	56	160	0.402	ug/l	97
15) Acetone	4.309	58	670	1.266	ug/l	# 1
25) Chloroform	7.825	83	2825	0.308	ug/l	95
36) 1,2-Dichloroethane	8.971	62	14561	2.245	ug/l	# 78
55) 2-Chloroethyl vinyl ether	10.438	63	163	46.434	ug/l	# 1
56) Bromoform	12.733	173	1687	0.357	ug/l	# 1
59) 2-Hexanone	11.092	43	854	0.269	ug/l	# 56
77) t-1,4-Dichloro-2-butene	12.733	75	75995	50.266	ug/l	# 6

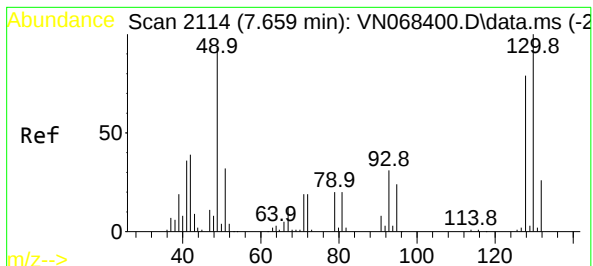
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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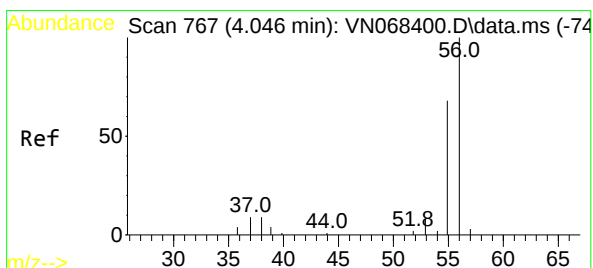
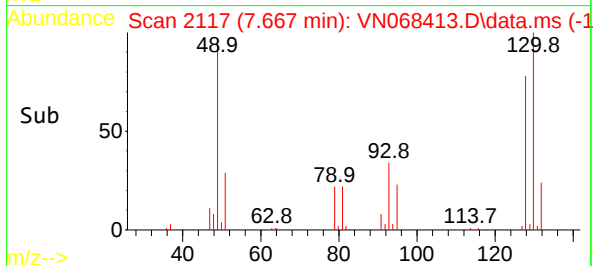
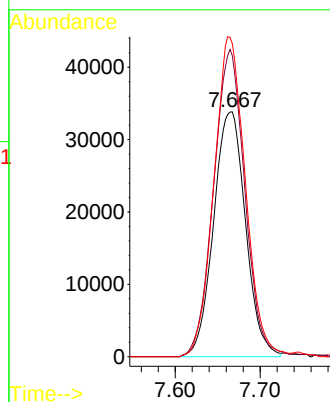
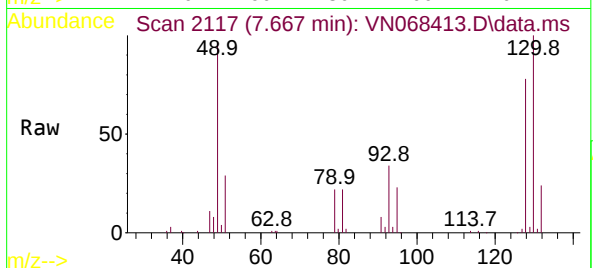




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.667 min Scan# 2117
Delta R.T. 0.008 min
Lab File: VN068413.D
Acq: 3 Sep 2021 17:30

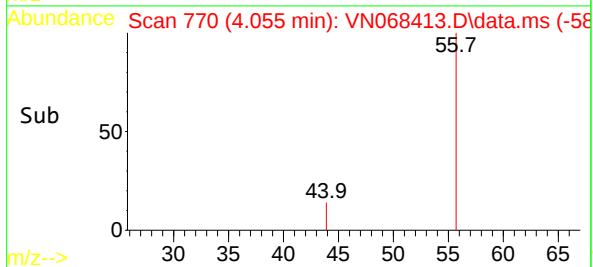
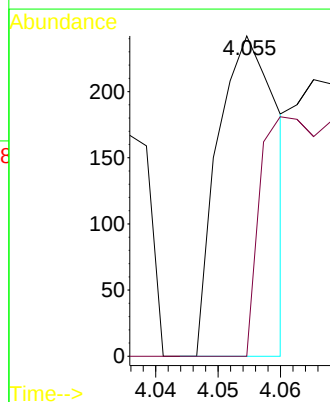
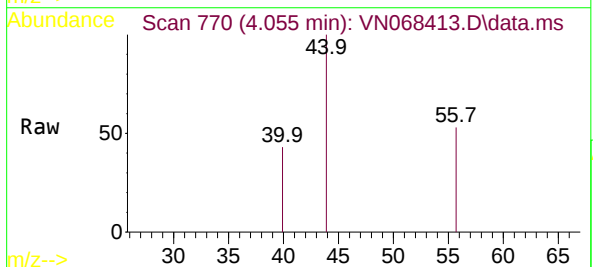
Instrument :
MSVOA_N
ClientSampled :

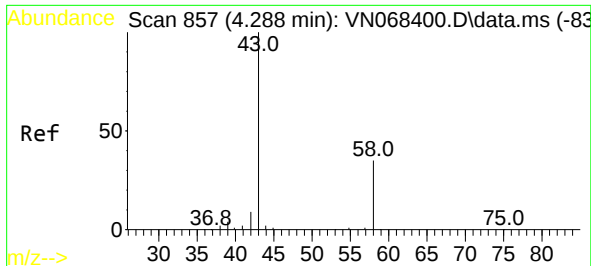
Tgt Ion:128 Resp: 88474
Ion Ratio Lower Upper
128 100
49 122.7 0.0 517.5
130 128.1 0.0 325.8



#13
Acrolein
Concen: 0.402 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.008 min
Lab File: VN068413.D
Acq: 3 Sep 2021 17:30

Tgt Ion: 56 Resp: 160
Ion Ratio Lower Upper
56 100
55 69.4 57.5 86.3

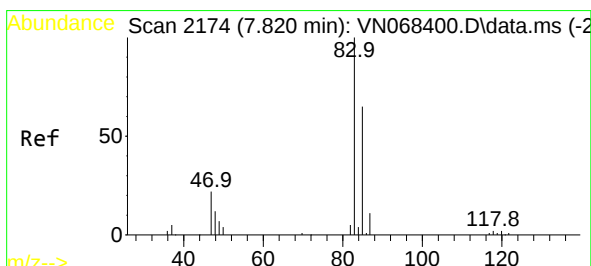
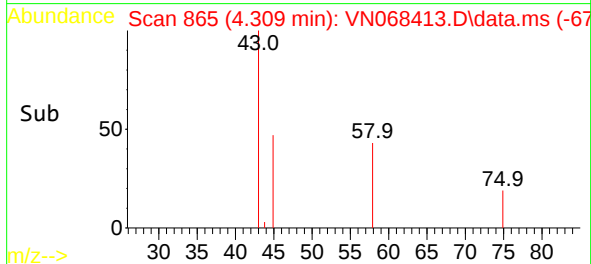
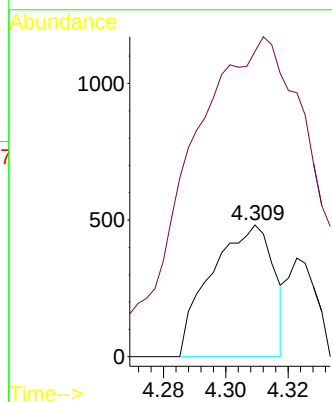
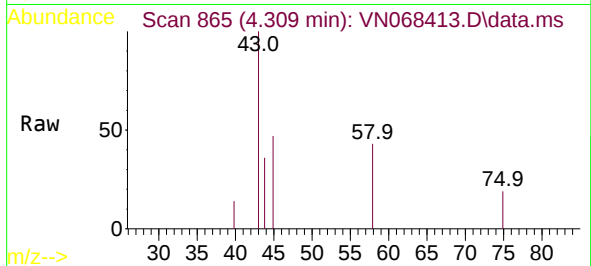




#15
Acetone
Concen: 1.266 ug/l
RT: 4.309 min Scan# 865
Delta R.T. 0.022 min
Lab File: VN068413.D
Acq: 3 Sep 2021 17:30

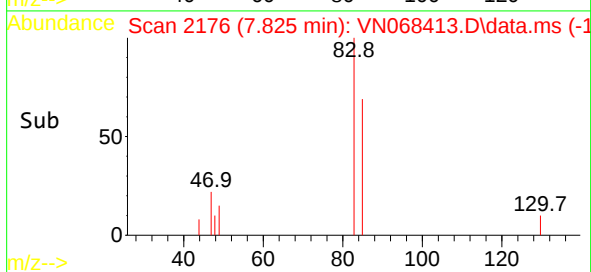
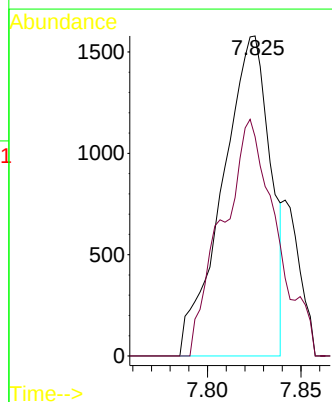
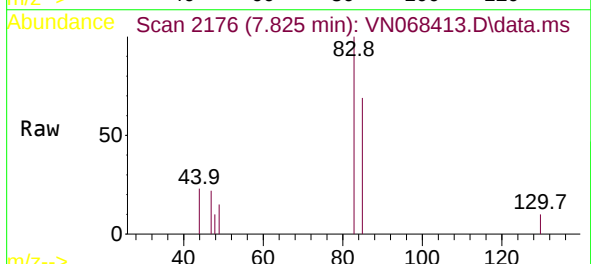
Instrument :
MSVOA_N
ClientSampleId :

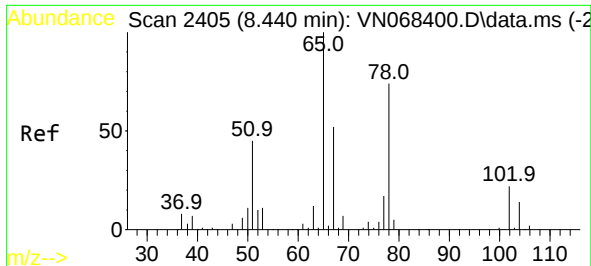
Tgt Ion: 58 Resp: 670
Ion Ratio Lower Upper
58 100
43 96.1 289.6 434.4#



#25
Chloroform
Concen: 0.308 ug/l
RT: 7.825 min Scan# 2176
Delta R.T. 0.005 min
Lab File: VN068413.D
Acq: 3 Sep 2021 17:30

Tgt Ion: 83 Resp: 2825
Ion Ratio Lower Upper
83 100
85 68.5 51.5 77.3



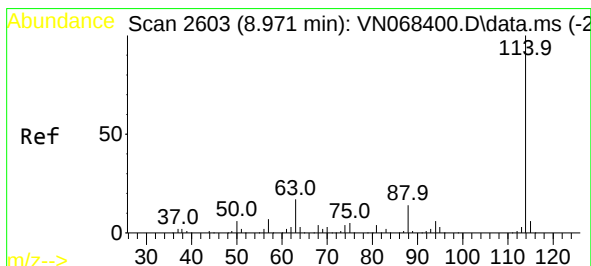
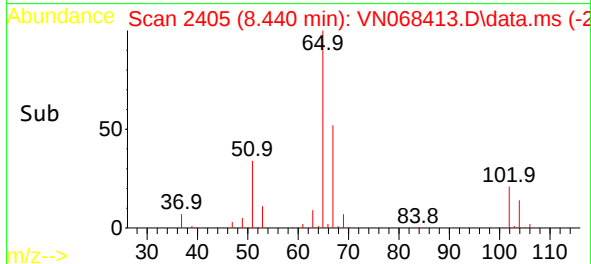
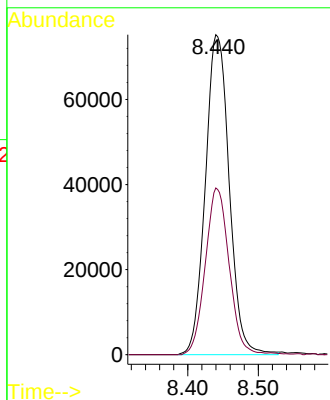
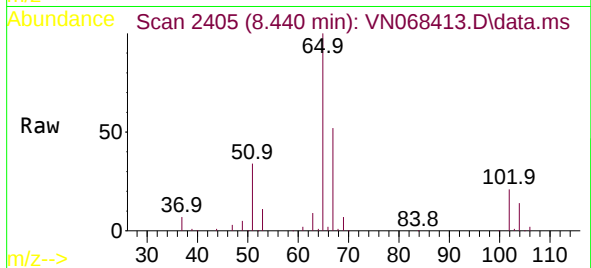


#27

1,2-Dichloroethane-d4
Concen: 33.726 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068413.D
Acq: 3 Sep 2021 17:30

Instrument :
MSVOA_N
ClientSampleId :

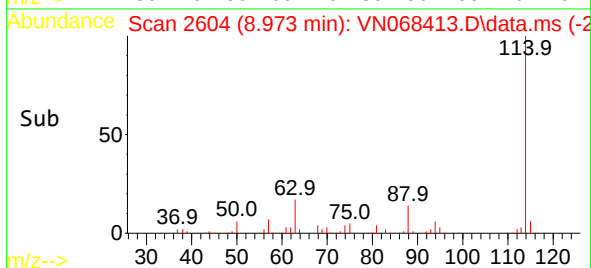
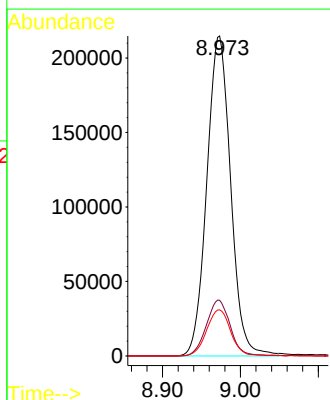
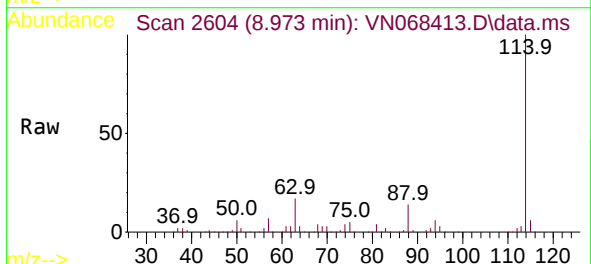
Tgt Ion: 65 Resp: 176904
Ion Ratio Lower Upper
65 100
67 51.8 39.8 59.8

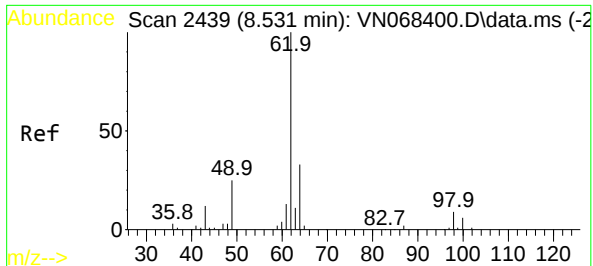


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.973 min Scan# 2604
Delta R.T. 0.003 min
Lab File: VN068413.D
Acq: 3 Sep 2021 17:30

Tgt Ion: 114 Resp: 456728
Ion Ratio Lower Upper
114 100
63 17.4 20.3 30.5#
88 14.6 14.6 22.0#

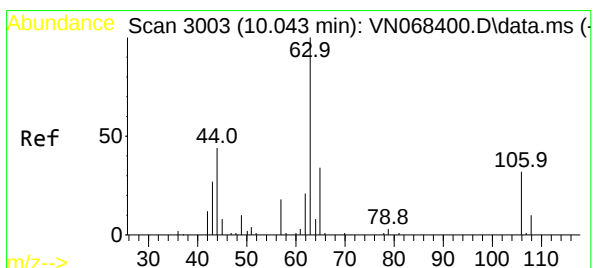
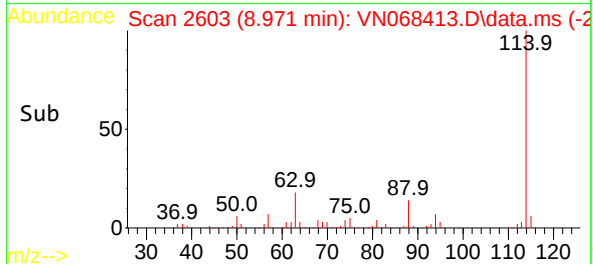
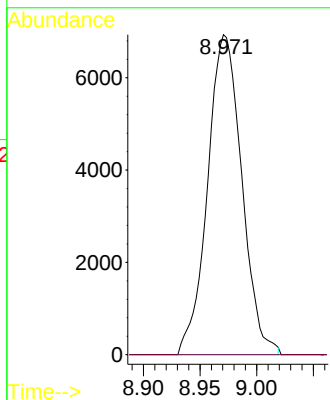
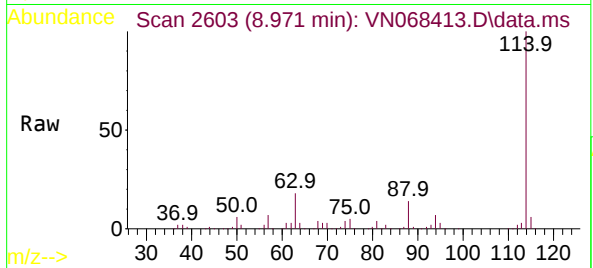




#36
1,2-Dichloroethane
Concen: 2.245 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.440 min
Lab File: VN068413.D
Acq: 3 Sep 2021 17:30

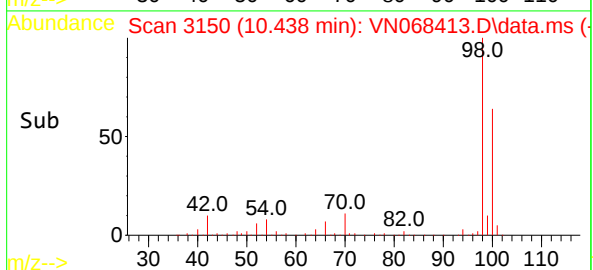
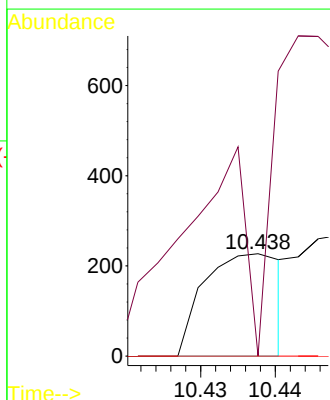
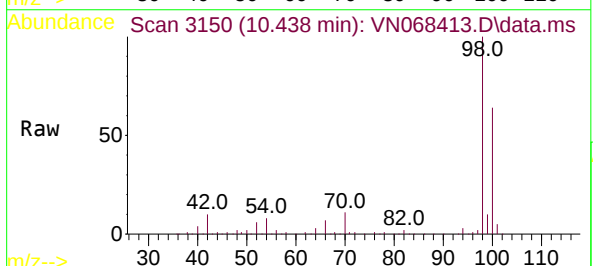
Instrument :
MSVOA_N
ClientSampleId :

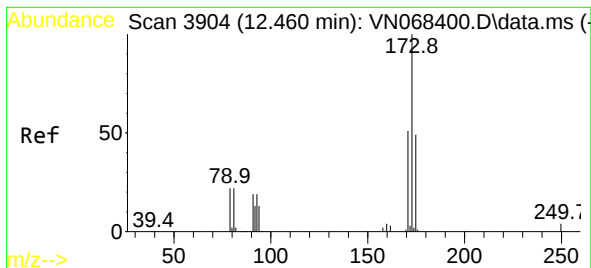
Tgt Ion: 62 Resp: 14561
Ion Ratio Lower Upper
62 100
98 0.0 6.0 9.0#



#55
2-Chloroethyl vinyl ether
Concen: 46.434 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. 0.395 min
Lab File: VN068413.D
Acq: 3 Sep 2021 17:30

Tgt Ion: 63 Resp: 163
Ion Ratio Lower Upper
63 100
65 174.8 25.6 38.4#
106 0.0 20.0 30.0#

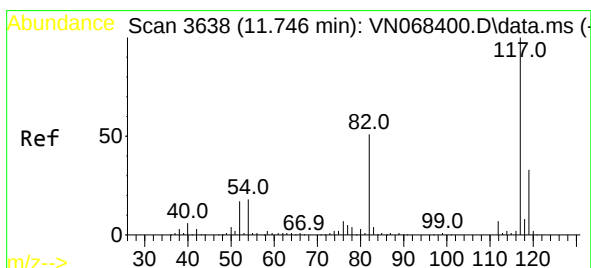
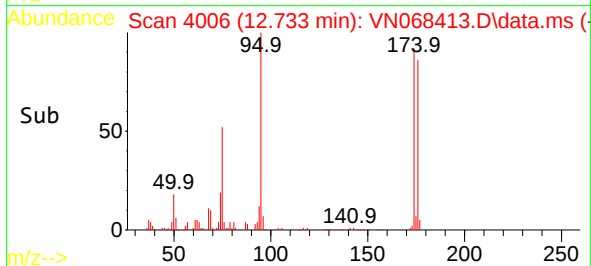
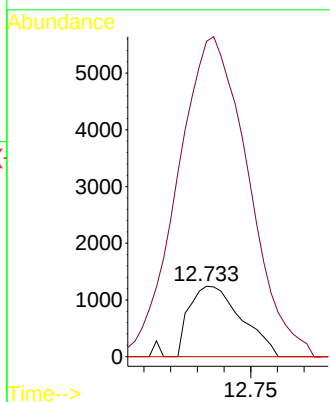
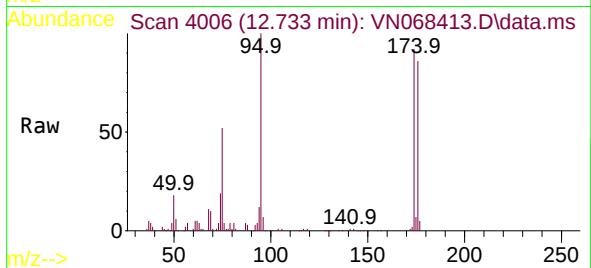




#56
Bromoform
Concen: 0.357 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068413.D
Acq: 3 Sep 2021 17:30

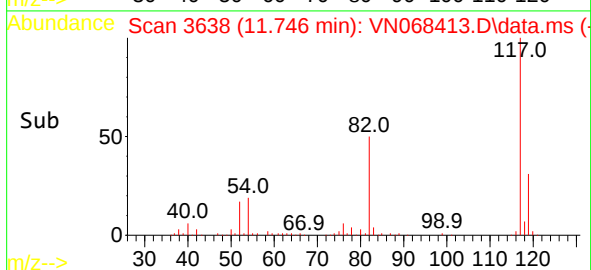
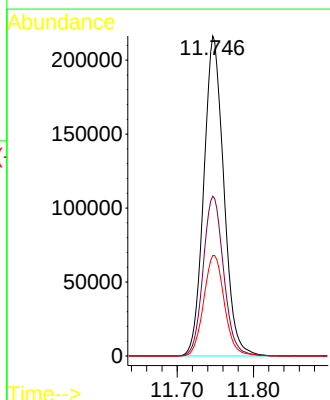
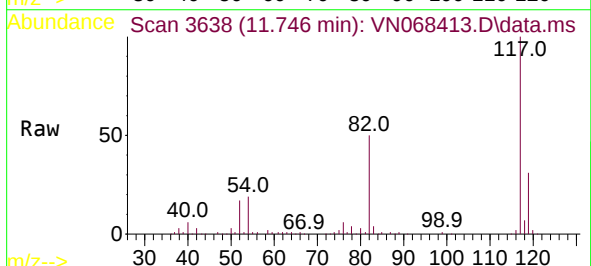
Instrument :
MSVOA_N
ClientSampleId :

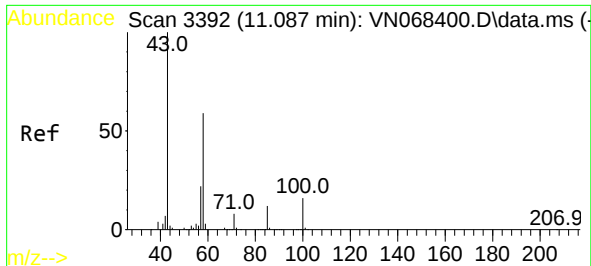
Tgt Ion:173 Resp: 1687
Ion Ratio Lower Upper
173 100
175 613.8 39.4 59.2#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068413.D
Acq: 3 Sep 2021 17:30

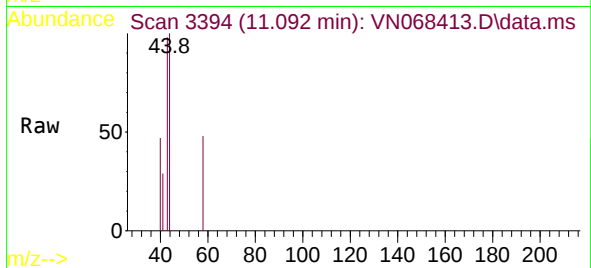
Tgt Ion:117 Resp: 393697
Ion Ratio Lower Upper
117 100
82 51.2 52.5 78.7#
119 32.5 25.8 38.8



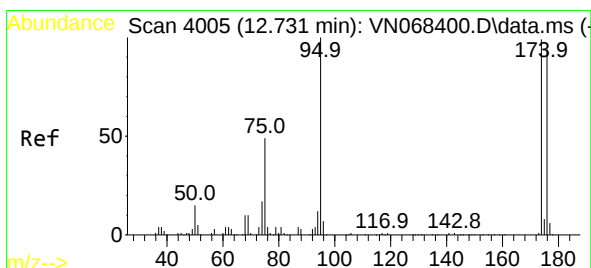
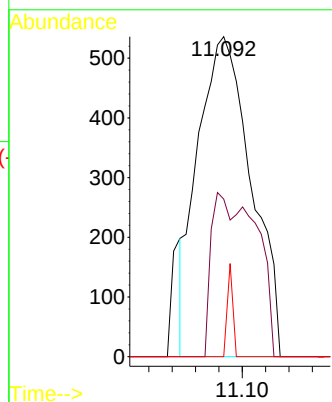
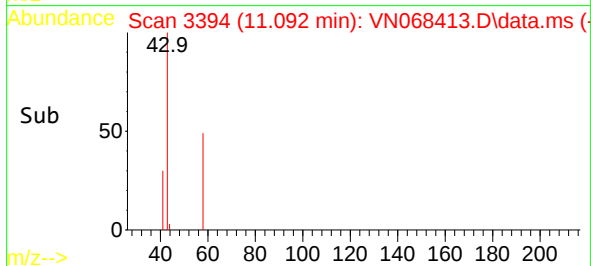


#59
2-Hexanone
Concen: 0.269 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068413.D
Acq: 3 Sep 2021 17:30

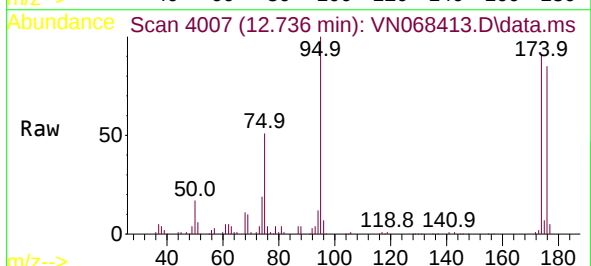
Instrument :
MSVOA_N
ClientSampleId :



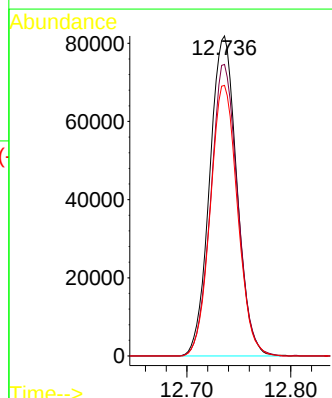
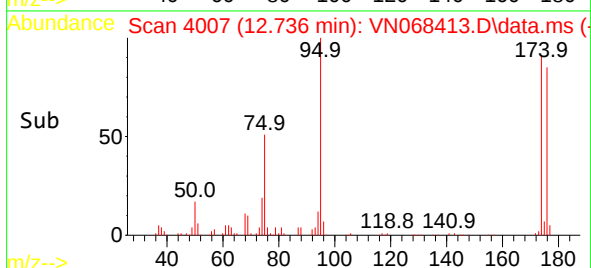
Tgt Ion: 43 Resp: 854
Ion Ratio Lower Upper
43 100
58 18.5 39.4 59.0#
57 0.0 14.4 21.6#

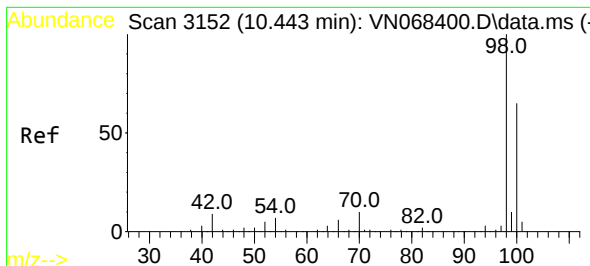


#60
4-Bromofluorobenzene
Concen: 26.651 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.005 min
Lab File: VN068413.D
Acq: 3 Sep 2021 17:30



Tgt Ion: 95 Resp: 148587
Ion Ratio Lower Upper
95 100
174 90.2 47.7 71.5#
176 84.7 45.7 68.5#

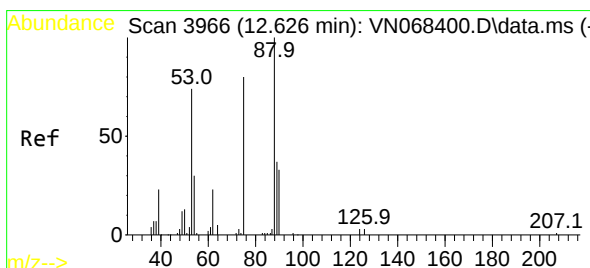
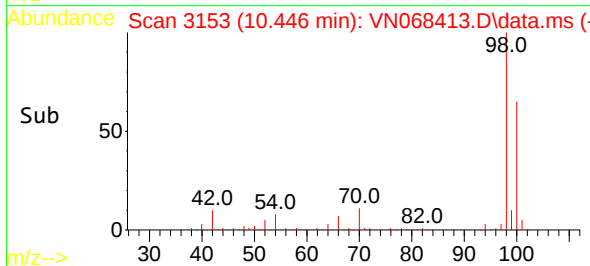
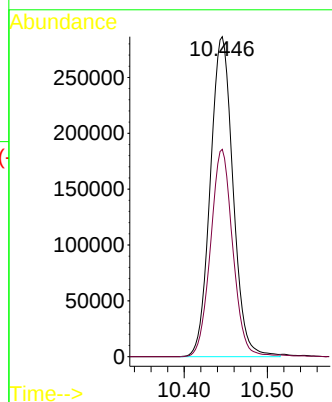
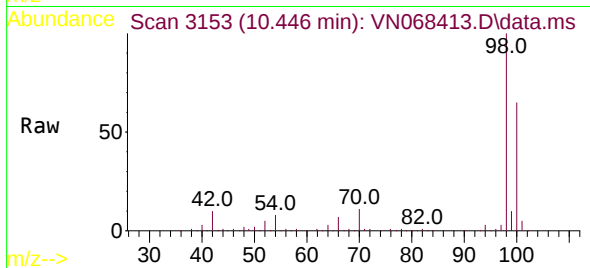




#63
Toluene-d8
Concen: 31.057 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068413.D
Acq: 3 Sep 2021 17:30

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 98 Resp: 544497
Ion Ratio Lower Upper
98 100
100 63.2 51.2 76.8



#77
t-1,4-Dichloro-2-butene
Concen: 50.266 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068413.D
Acq: 3 Sep 2021 17:30

Tgt Ion: 75 Resp: 75995
Ion Ratio Lower Upper
75 100
53 0.0 55.2 165.6#
89 0.0 24.5 73.5#

