

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061405.D
 Acq On : 14 May 2020 20:25
 Operator : JC/MD
 Sample : L2591-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 15 05:56:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.16	128	16045	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	95760	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	83014	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	45270	31.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.03%
60) 4-Bromofluorobenzene	12.38	95	39039	27.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.83%
63) Toluene-d8	10.06	98	120343	31.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.37%

Target Compounds

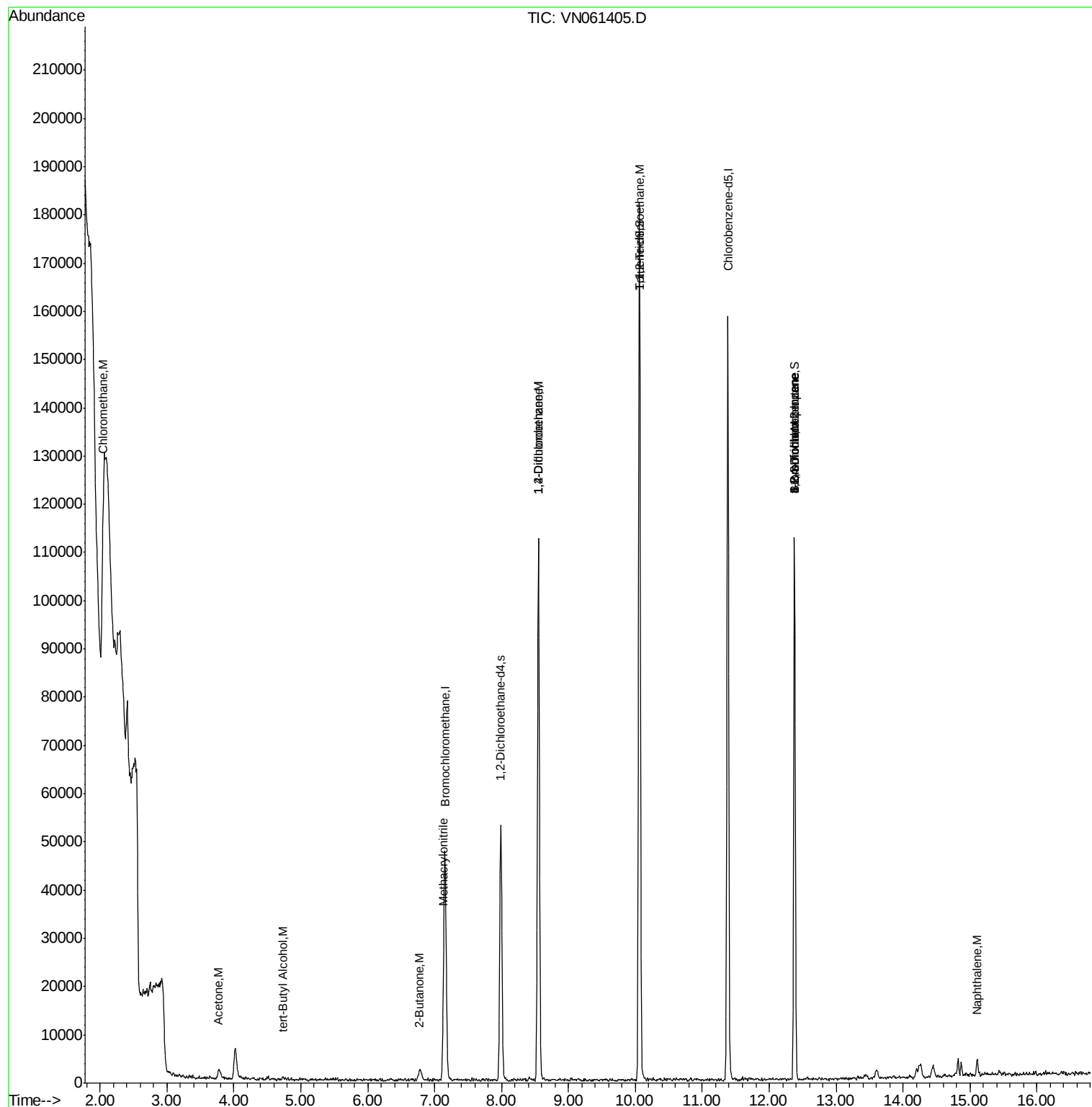
					Ovalue	
3) Chloromethane	2.04	50	321	0.240	ug/l	# 42
15) Acetone	3.77	58	411	3.484	ug/l	# 54
23) tert-Butyl Alcohol	4.73	59	205	1.302	ug/l	# 100
30) 2-Butanone	6.76	43	155	0.218	ug/l	# 57
35) Methacrylonitrile	7.12	41	163	0.229	ug/l	# 46
36) 1,2-Dichloroethane	8.55	62	4004	2.194	ug/l	# 77
50) 1,1,2-Trichloroethane	10.07	97	4148	3.716	ug/l	# 1
56) Bromoform	12.38	173	269	0.350	ug/l	# 1
72) 1,2,3-Trichloropropane	12.38	75	22643	16.291	ug/l	# 1
77) t-1,4-Dichloro-2-butene	12.38	75	22643	39.143	ug/l	# 10
91) Naphthalene	15.11	128	3275	0.938	ug/l	# 95

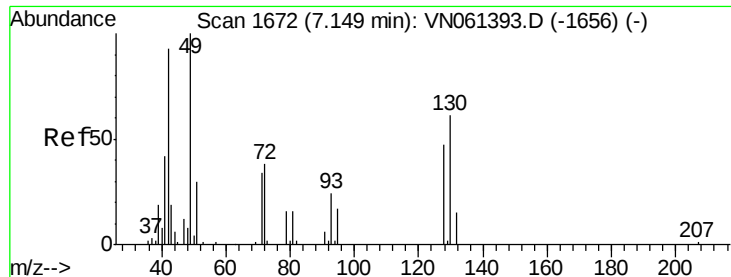
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 15 05:56:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 14 16:04:10 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.01 min

Lab File: VN061405.D

Acq: 14 May 2020 20:25

Instrument :
MSVOA_N
ClientSampleId :

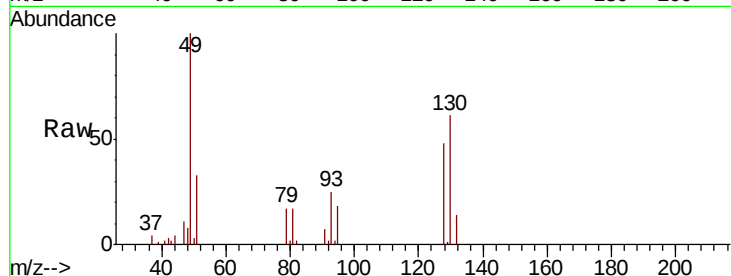
Tot Ion:128 Resp: 16045

Ion Ratio Lower Upper

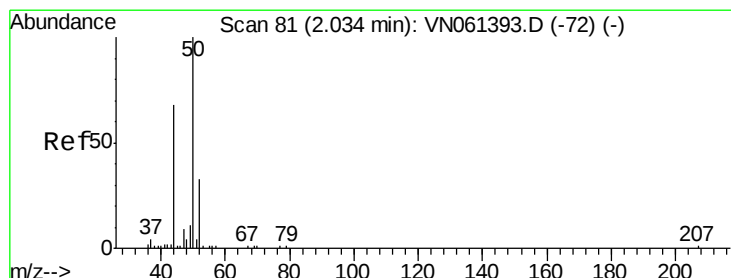
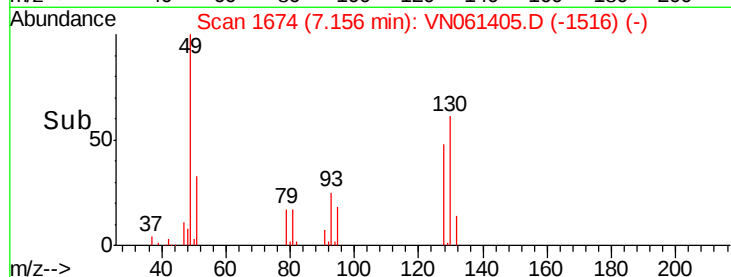
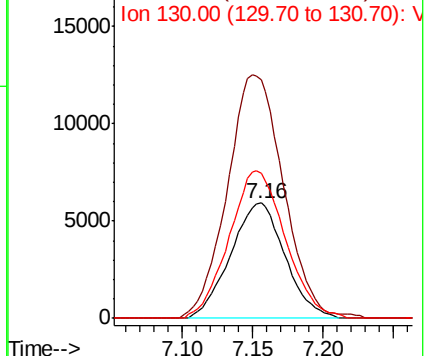
128 100

49 217.0 0.0 453.5

130 131.7 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.240 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN061405.D

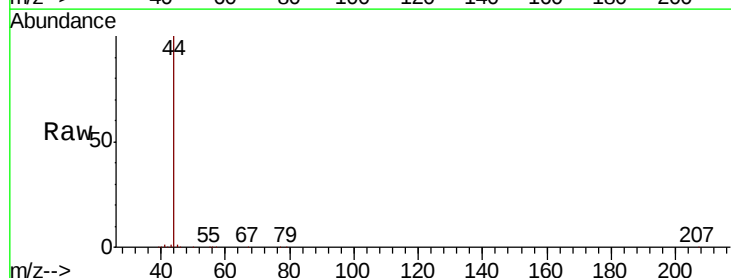
Acq: 14 May 2020 20:25

Tgt Ion: 50 Resp: 321

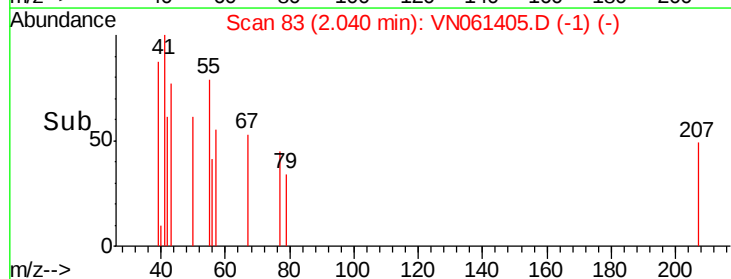
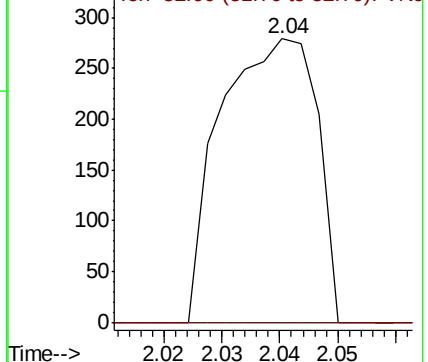
Ion Ratio Lower Upper

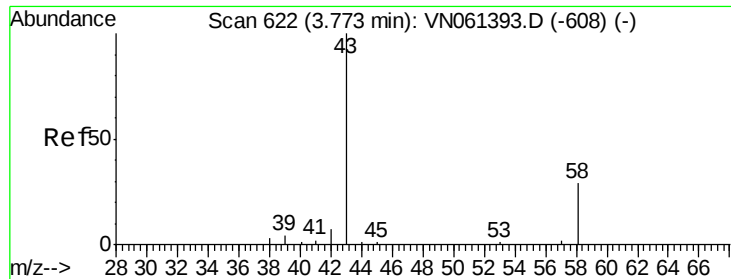
50 100

52 0.0 25.8 38.8#



Abundance Ion 50.00 (49.70 to 50.70): VN
Ion 52.00 (51.70 to 52.70): VN





#15

Acetone

Concen: 3.484 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061405.D

Acq: 14 May 2020 20:25

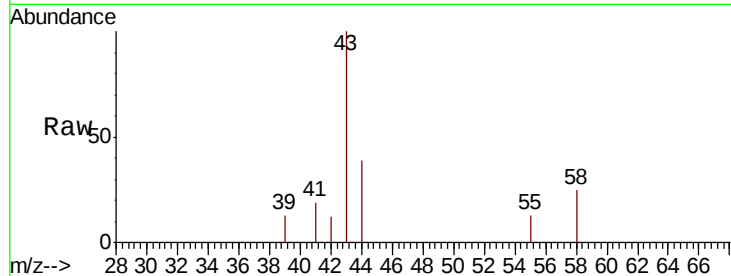
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 411

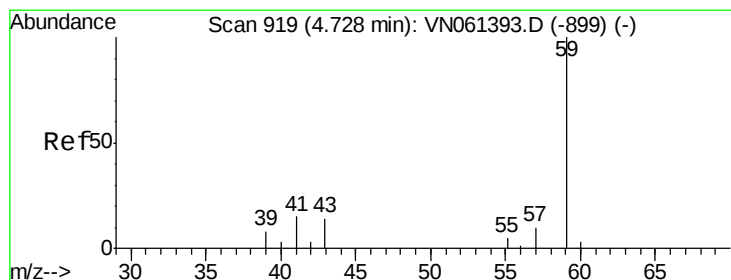
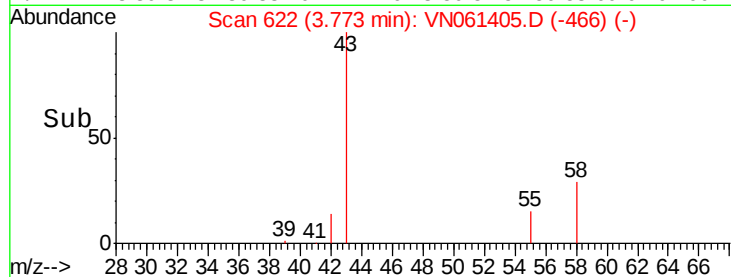
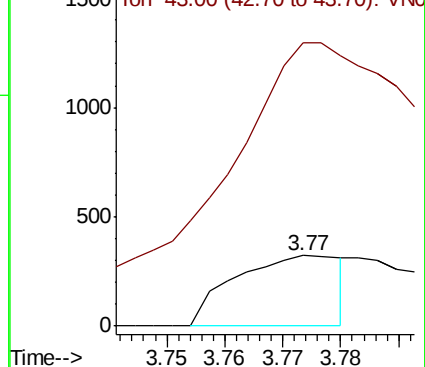
Ion Ratio Lower Upper

58 100

43 252.2 281.7 422.5#



Abundance Ion 58.00 (57.70 to 58.70): VN0
Ion 43.00 (42.70 to 43.70): VN0



#23

tert-Butyl Alcohol

Concen: 1.302 ug/l

RT: 4.73 min Scan# 918

Delta R.T. -0.00 min

Lab File: VN061405.D

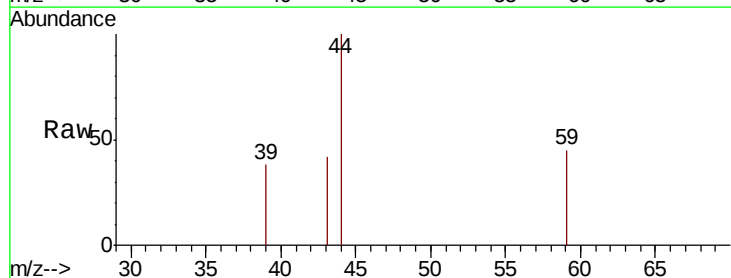
Acq: 14 May 2020 20:25

Tgt Ion: 59 Resp: 205

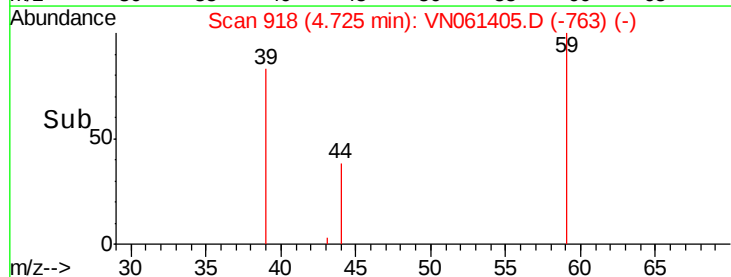
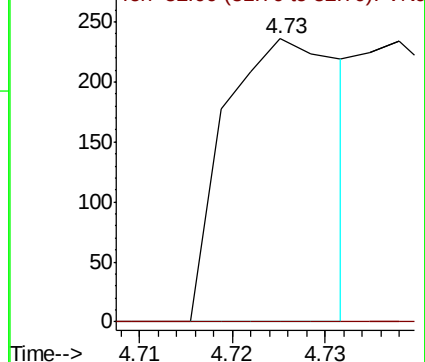
Ion Ratio Lower Upper

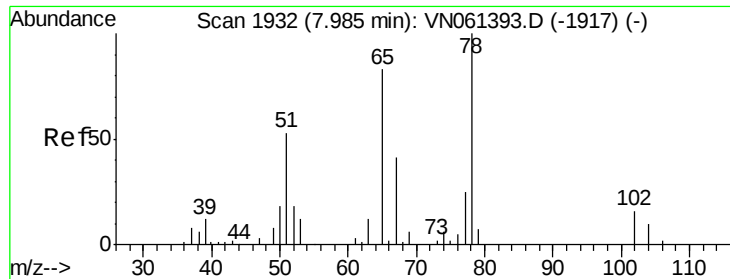
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

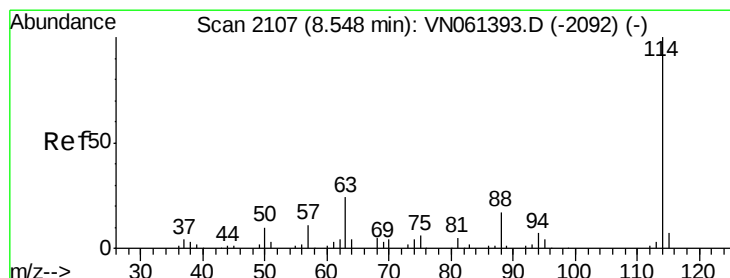
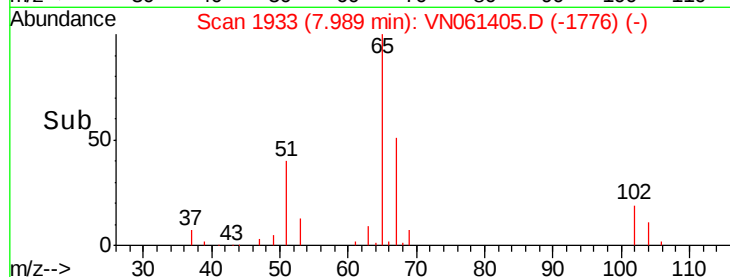
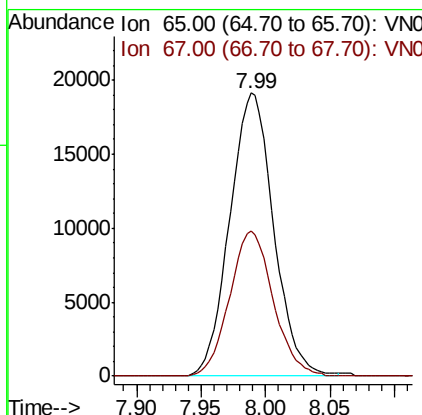
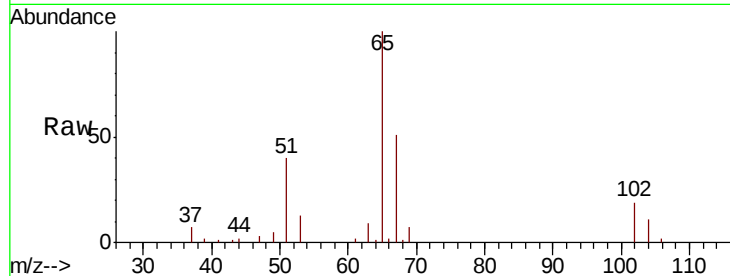




#27
 1,2-Dichloroethane-d4
 Concen: 31.506 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061405.D
 Acq: 14 May 2020 20:25

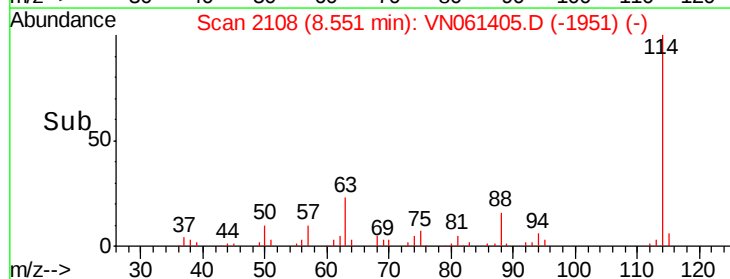
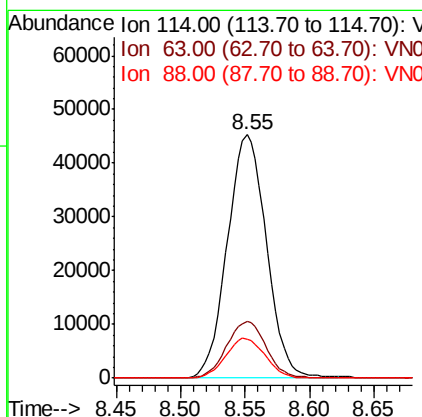
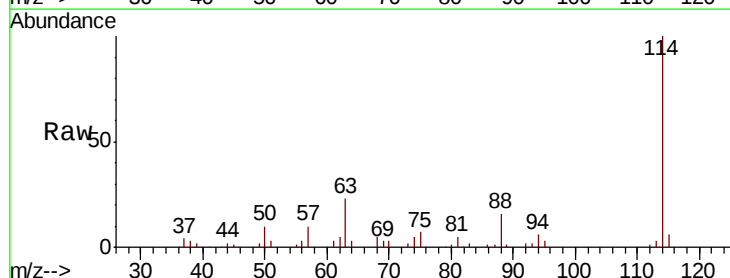
Instrument :
 MSVOA_N
 ClientSampleId :

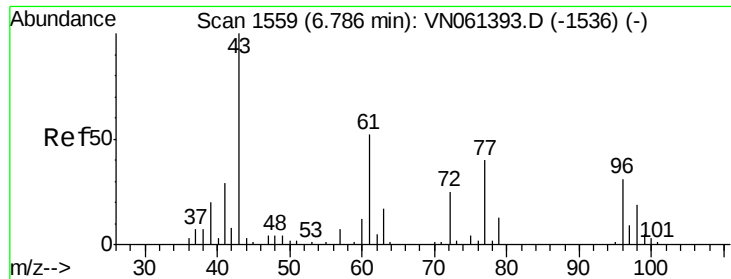
Tot Ion: 65 Resp: 45270
 Ion Ratio Lower Upper
 65 100
 67 50.9 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061405.D
 Acq: 14 May 2020 20:25

Tgt Ion: 114 Resp: 95760
 Ion Ratio Lower Upper
 114 100
 63 23.3 18.1 27.1
 88 16.4 13.0 19.4

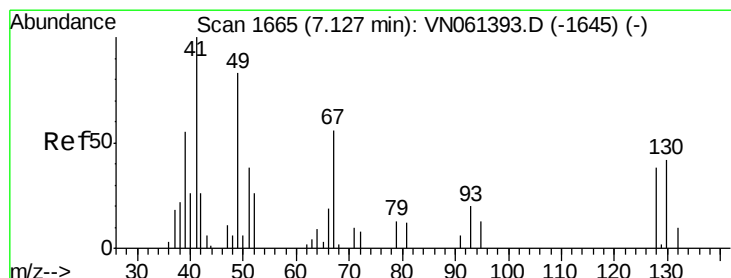
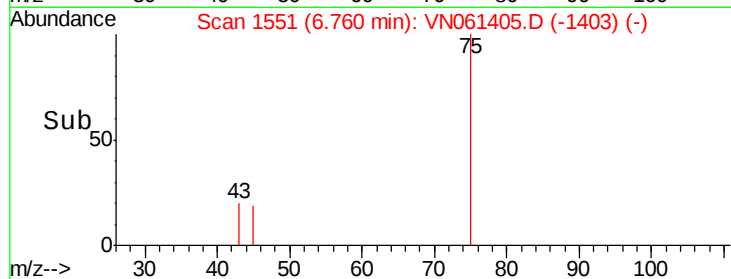
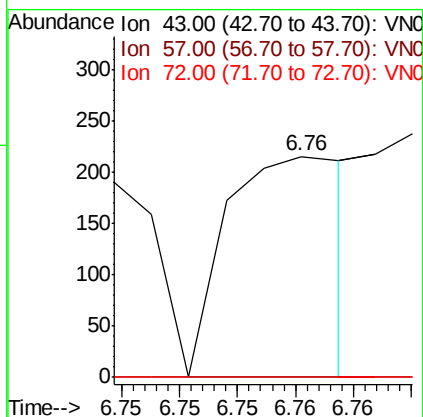
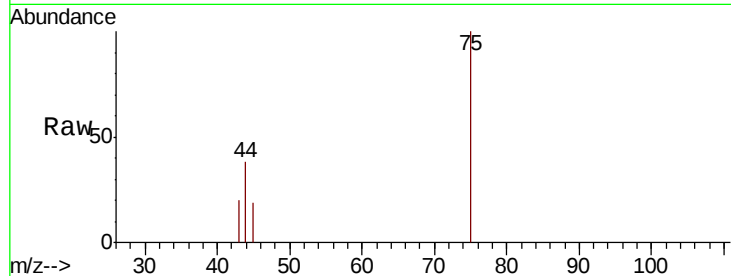




#30
2-Butanone
Concen: 0.218 ug/l
RT: 6.76 min Scan# 1551
Delta R.T. -0.03 min
Lab File: VN061405.D
Acq: 14 May 2020 20:25

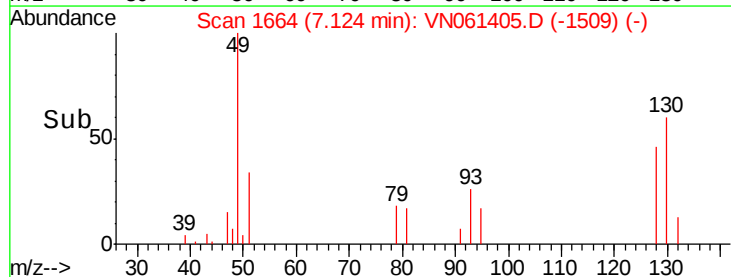
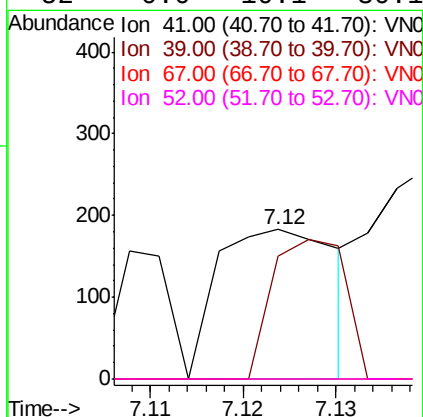
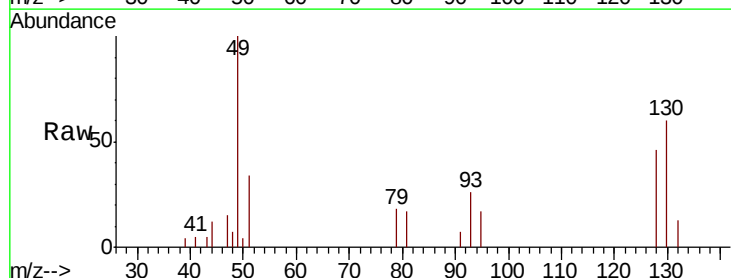
Instrument :
MSVOA_N
ClientSampleId :

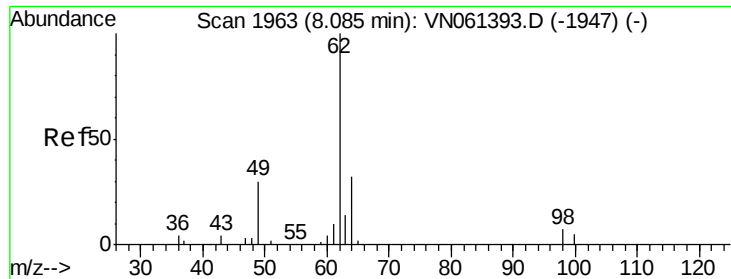
Tot Ion: 43 Resp: 155
Ion Ratio Lower Upper
43 100
57 0.0 6.5 9.7#
72 0.0 20.1 30.1#



#35
Methacrylonitrile
Concen: 0.229 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061405.D
Acq: 14 May 2020 20:25

Tgt Ion: 41 Resp: 163
Ion Ratio Lower Upper
41 100
39 82.5 25.8 77.4#
67 0.0 23.0 69.0#
52 0.0 10.1 30.1#

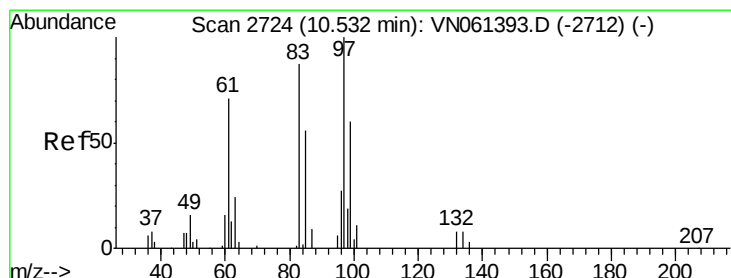
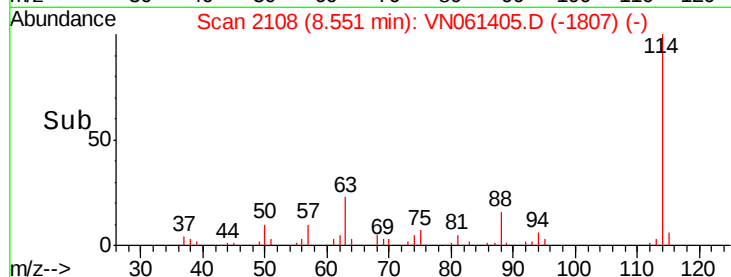
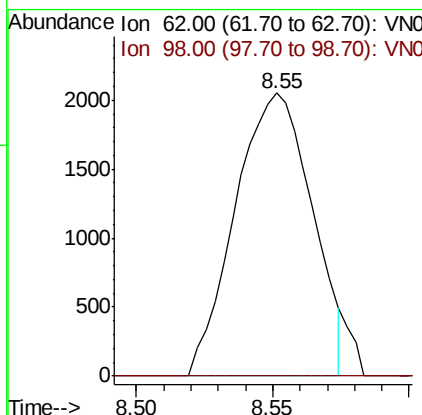
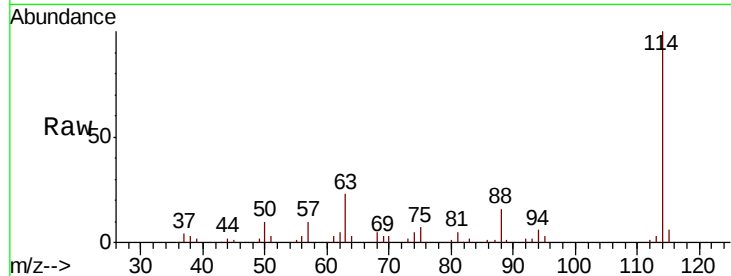




#36
 1,2-Dichloroethane
 Concen: 2.194 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.47 min
 Lab File: VN061405.D
 Acq: 14 May 2020 20:25

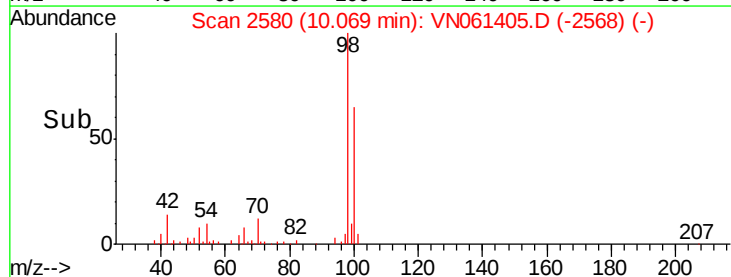
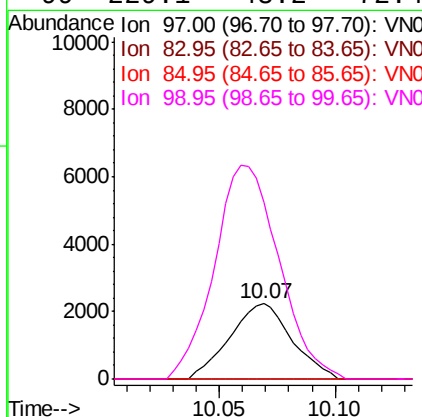
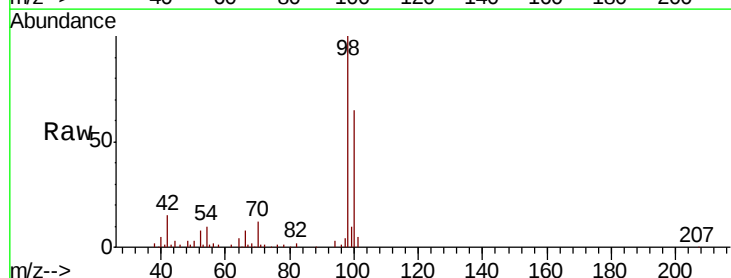
Instrument :
 MSVOA_N
 ClientSampleId :

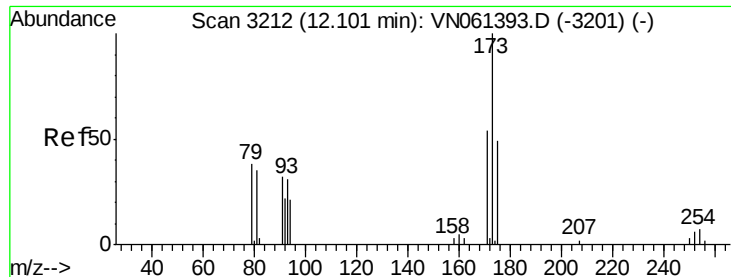
Tot Ion: 62 Resp: 4004
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.4 9.6#



#50
 1,1,2-Trichloroethane
 Concen: 3.716 ug/l
 RT: 10.07 min Scan# 2580
 Delta R.T. -0.46 min
 Lab File: VN061405.D
 Acq: 14 May 2020 20:25

Tgt Ion: 97 Resp: 4148
 Ion Ratio Lower Upper
 97 100
 83 0.0 70.7 106.1#
 85 0.0 45.1 67.7#
 99 229.1 48.2 72.4#





#56

Bromoform

Concen: 0.350 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061405.D

Acq: 14 May 2020 20:25

Instrument :

MSVOA_N

ClientSampleId :

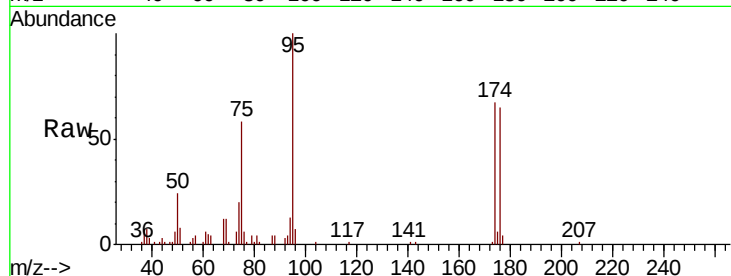
Tot Ion:173 Resp: 269

Ion Ratio Lower Upper

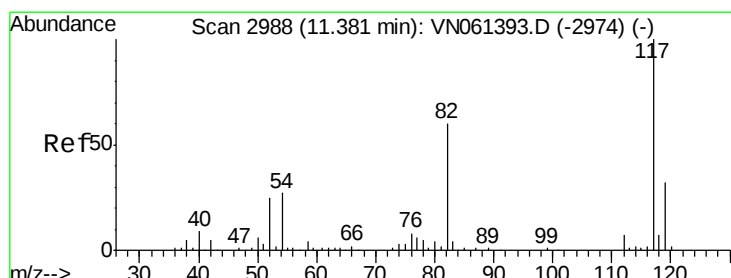
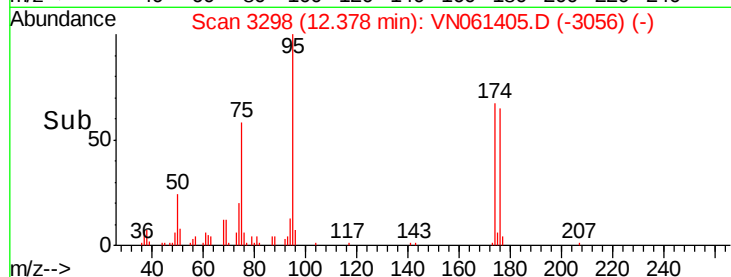
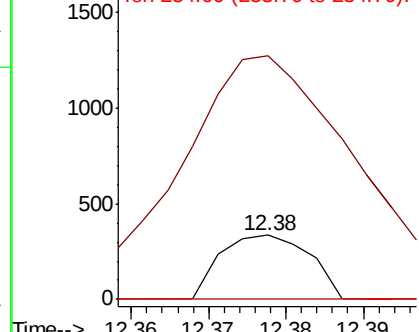
173 100

175 736.4 38.7 58.1#

254 0.0 7.4 11.2#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061405.D

Acq: 14 May 2020 20:25

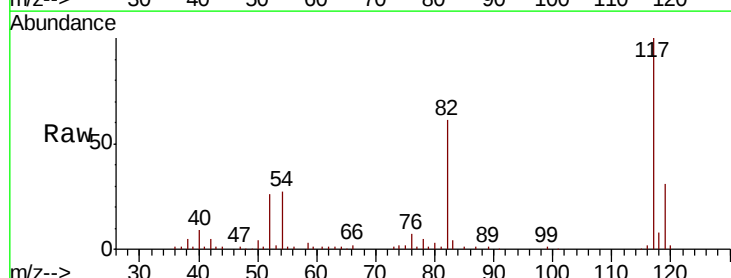
Tgt Ion:117 Resp: 83014

Ion Ratio Lower Upper

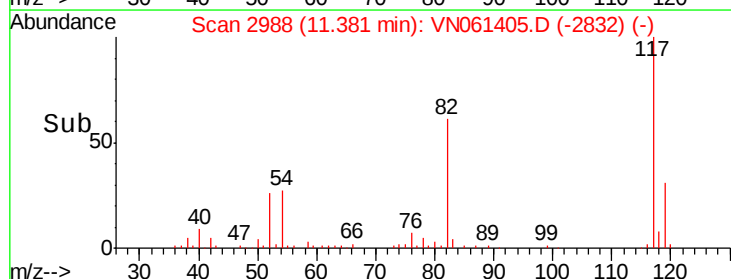
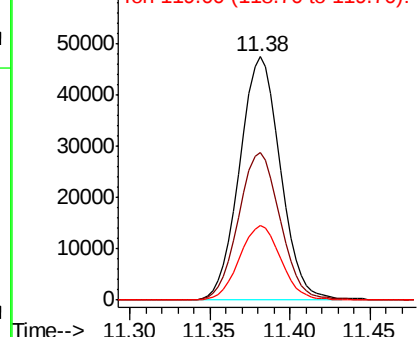
117 100

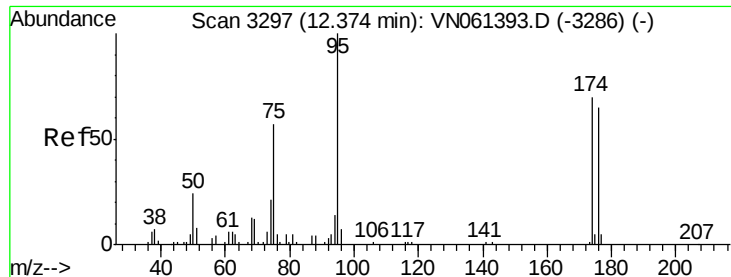
82 62.1 46.9 70.3

119 31.0 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

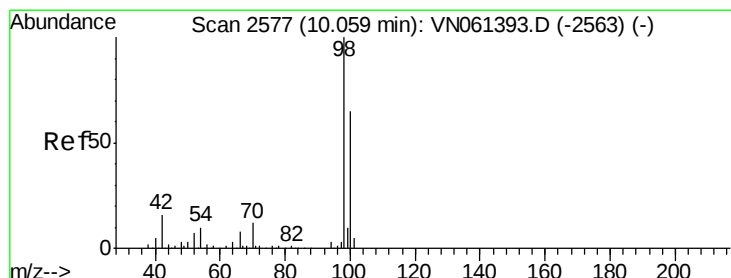
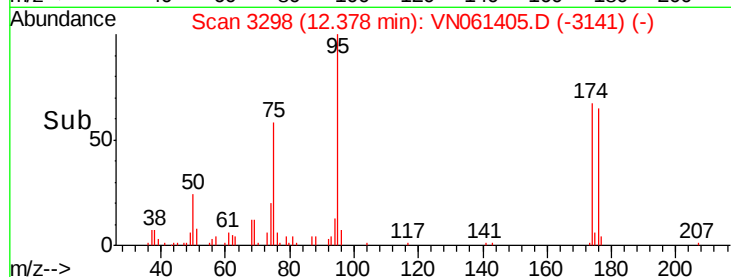
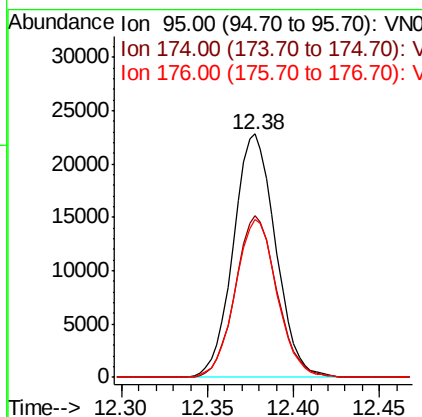
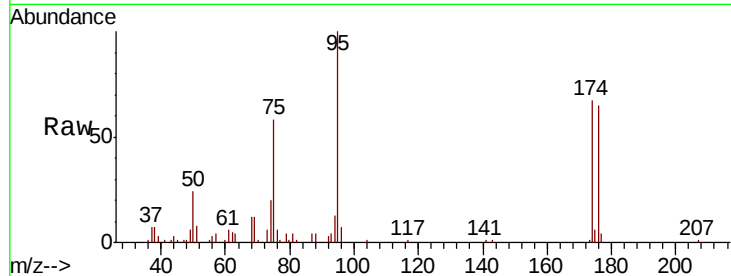




#60
4-Bromofluorobenzene
Concen: 27.546 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061405.D
Acq: 14 May 2020 20:25

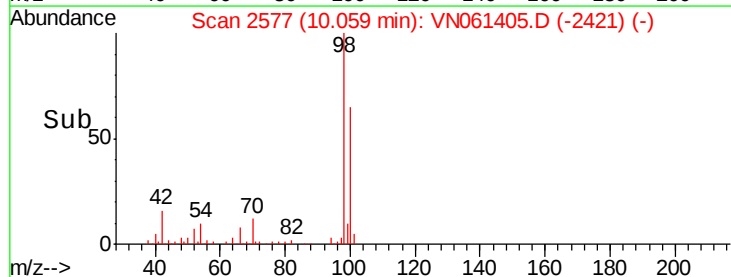
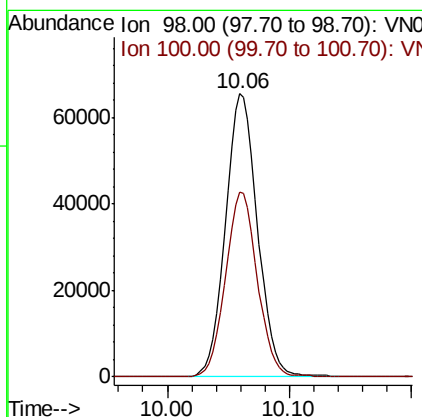
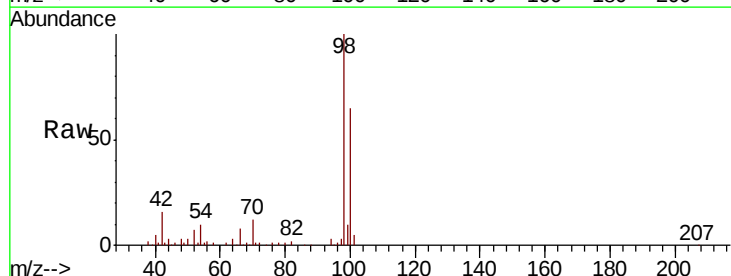
Instrument :
MSVOA_N
ClientSampled :

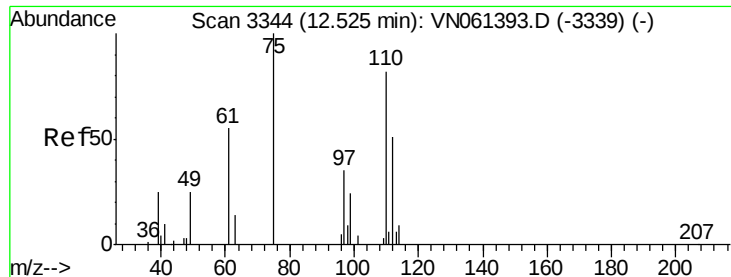
Tot Ion: 95 Resp: 39039
Ion Ratio Lower Upper
95 100
174 65.6 59.9 89.9
176 64.1 58.3 87.5



#63
Toluene-d8
Concen: 31.309 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061405.D
Acq: 14 May 2020 20:25

Tgt Ion: 98 Resp: 120343
Ion Ratio Lower Upper
98 100
100 64.9 50.6 75.8





#72

1,2,3-Trichloropropane

Concen: 16.291 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061405.D

Acq: 14 May 2020 20:25

Instrument :

MSVOA_N

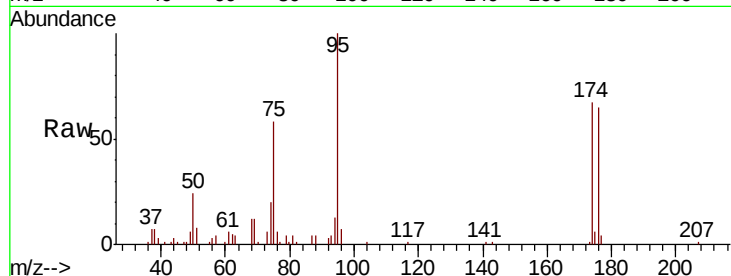
ClientSampled :

Tot Ion: 75 Resp: 22643

Ion Ratio Lower Upper

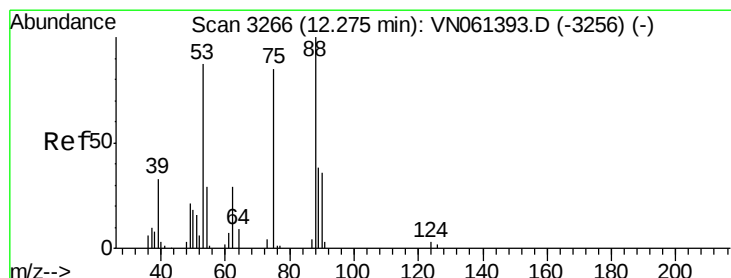
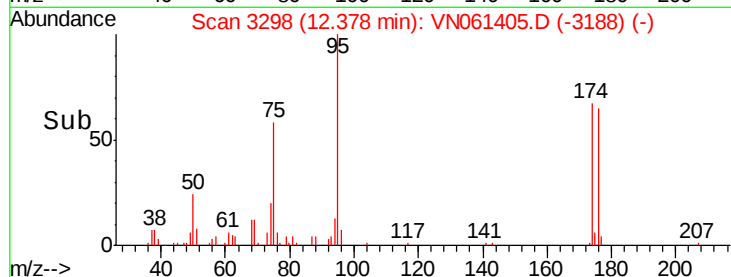
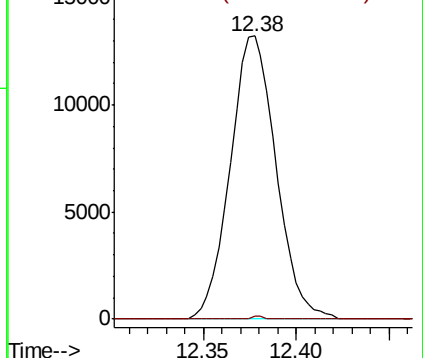
75 100

77 0.3 0.0 359.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

t-1,4-Dichloro-2-butene

Concen: 39.143 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061405.D

Acq: 14 May 2020 20:25

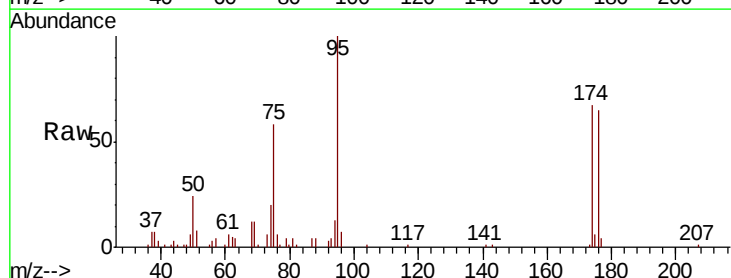
Tgt Ion: 75 Resp: 22643

Ion Ratio Lower Upper

75 100

53 0.0 50.0 150.0#

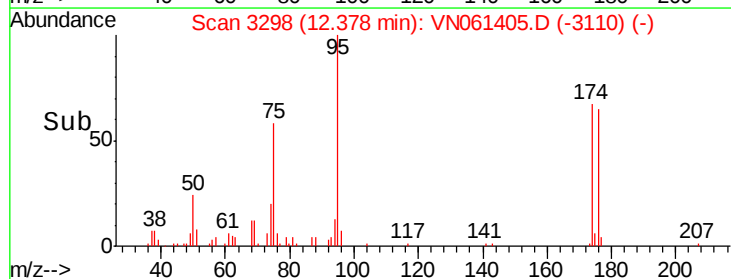
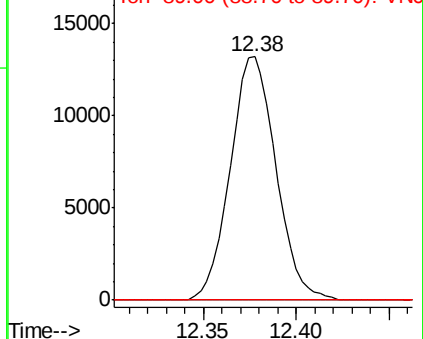
89 0.0 20.7 62.1#

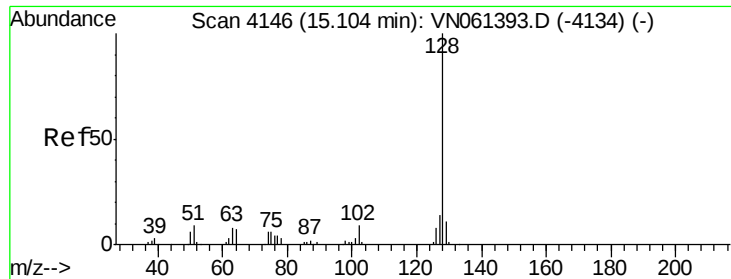


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

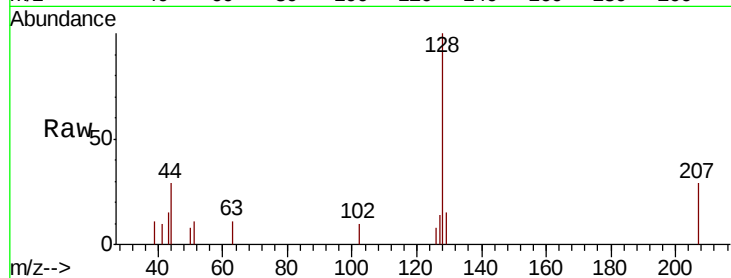




#91
Naphthalene
Concen: 0.938 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061405.D
Acq: 14 May 2020 20:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.6	10.2	15.2
129	8.9	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

