

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061406.D
 Acq On : 14 May 2020 20:48
 Operator : JC/MD
 Sample : L2666-01 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 15 05:56:24 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	7.15	128	17887	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	104192	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	90234	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	49583	30.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.17%
60) 4-Bromofluorobenzene	12.38	95	43172	28.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.40%
63) Toluene-d8	10.06	98	132421	31.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.63%

Target Compounds

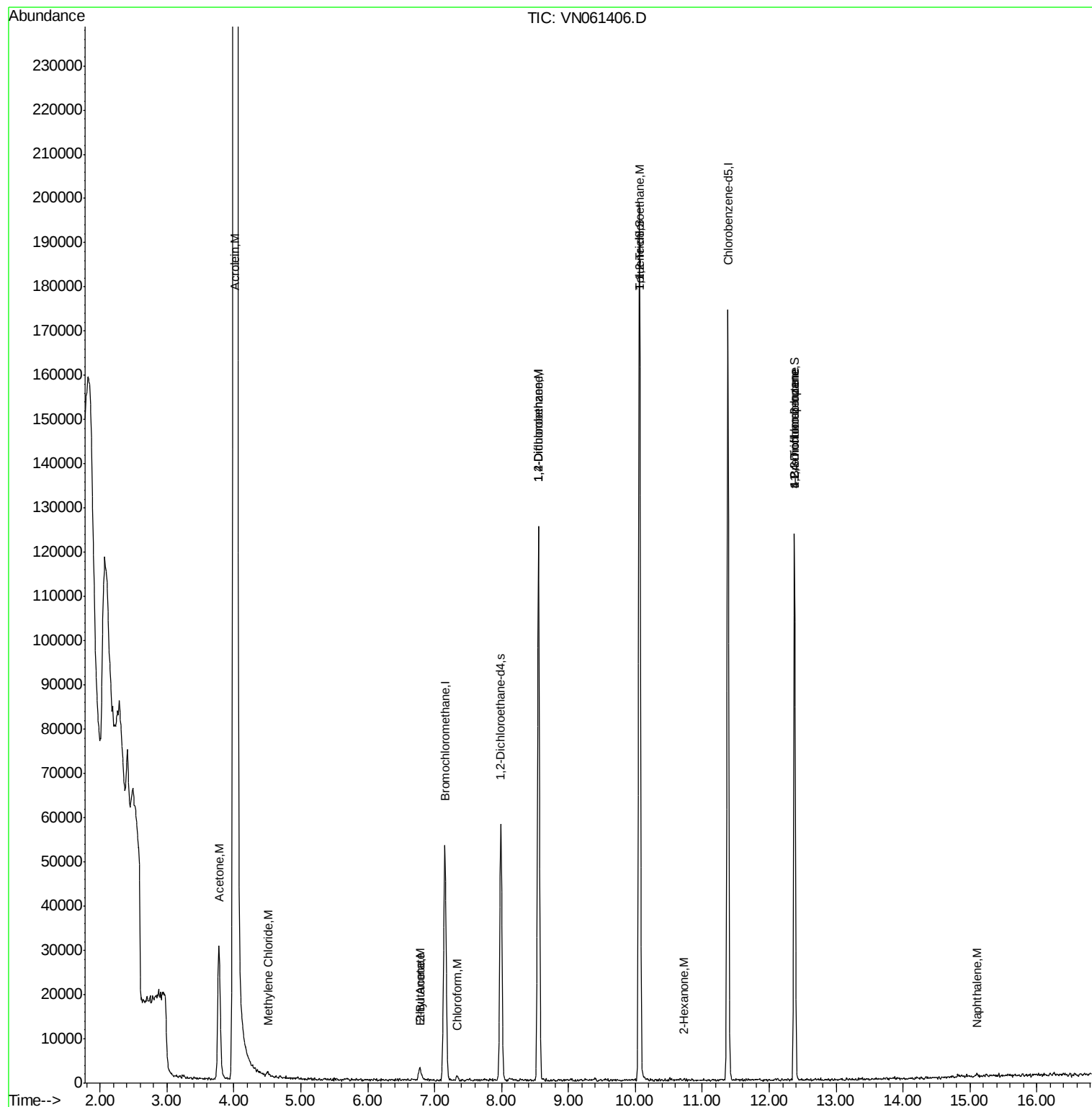
					Ovalue	
13) Acrolein	4.00	56	89	0.453	ug/l #	1
15) Acetone	3.77	58	14935	113.551	ug/l	97
18) Methylene Chloride	4.51	84	597	0.515	ug/l #	49
25) Chloroform	7.33	83	1244	0.546	ug/l	85
30) 2-Butanone	6.78	43	414	0.535	ug/l #	57
36) 1,2-Dichloroethane	8.55	62	4155	2.093	ug/l #	77
43) Ethyl Acetate	6.80	43	497	0.301	ug/l	97
50) 1,1,2-Trichloroethane	10.07	97	4443	3.658	ug/l #	1
59) 2-Hexanone	10.73	43	361	0.310	ug/l #	35
72) 1,2,3-Trichloropropane	12.38	75	24729	16.368	ug/l	1
77) t-1,4-Dichloro-2-butene	12.38	75	24729	39.328	ug/l #	10
91) Naphthalene	15.11	128	818	0.216	ug/l #	69

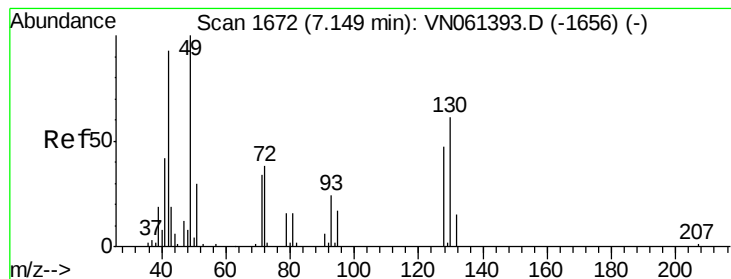
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
Data File : VN061406.D
Acq On : 14 May 2020 20:48
Operator : JC/MD
Sample : L2666-01 20X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 15 05:56:24 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: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061406.D

Acq: 14 May 2020 20:48

Instrument :

MSVOA_N

ClientSampled :

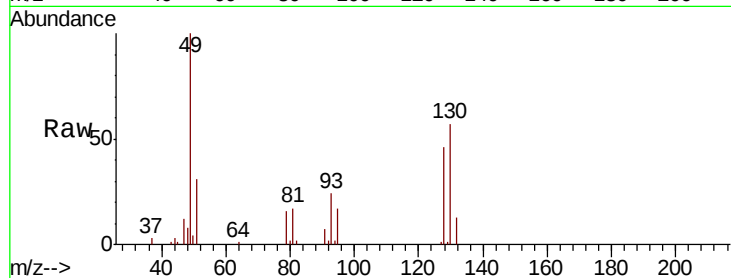
Tot Ion:128 Resp: 17887

Ion Ratio Lower Upper

128 100

49 214.2 0.0 453.5

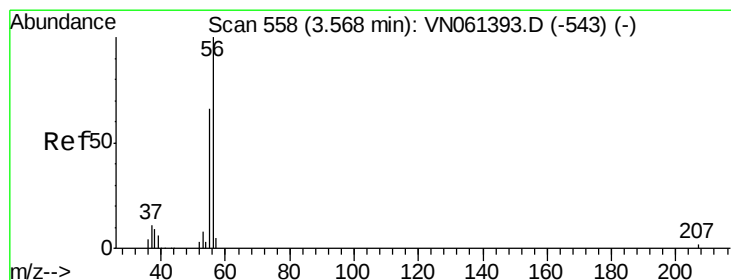
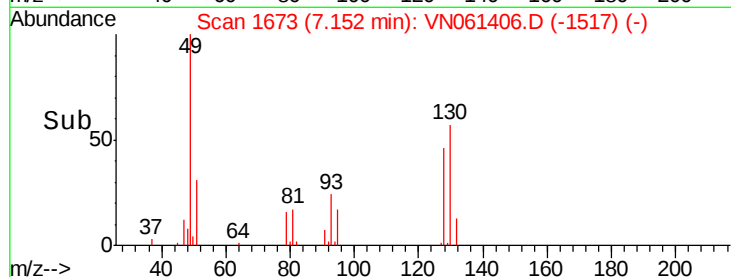
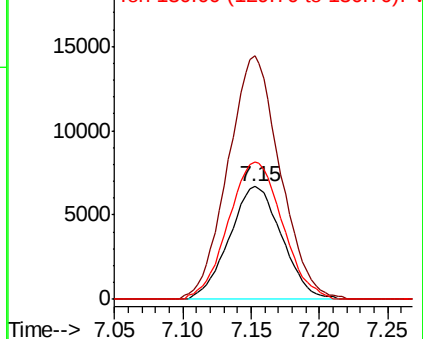
130 125.8 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#13

Acrolein

Concen: 0.453 ug/l

RT: 4.00 min Scan# 694

Delta R.T. 0.44 min

Lab File: VN061406.D

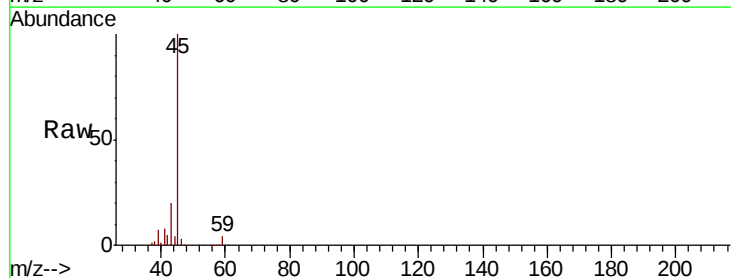
Acq: 14 May 2020 20:48

Tgt Ion: 56 Resp: 89

Ion Ratio Lower Upper

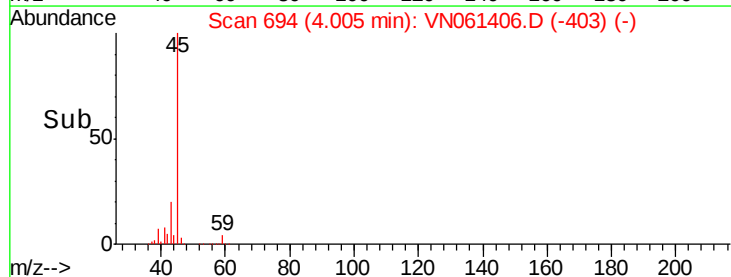
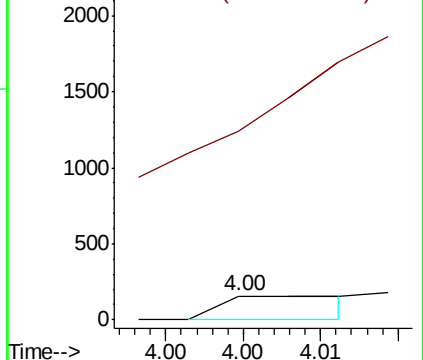
56 100

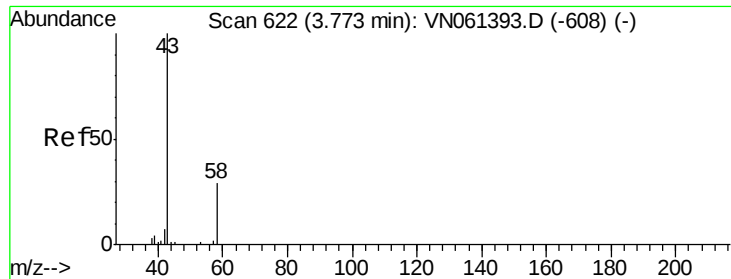
55 238.2 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acetone

Concen: 113.551 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061406.D

Acq: 14 May 2020 20:48

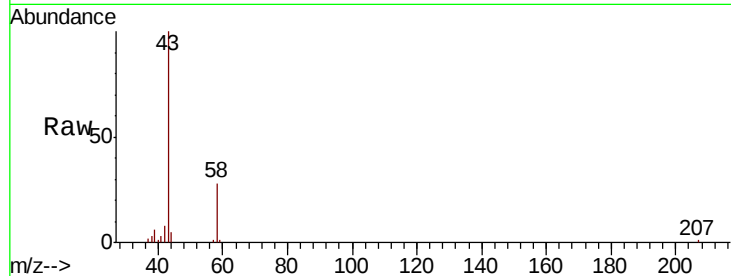
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 14935

Ion Ratio Lower Upper

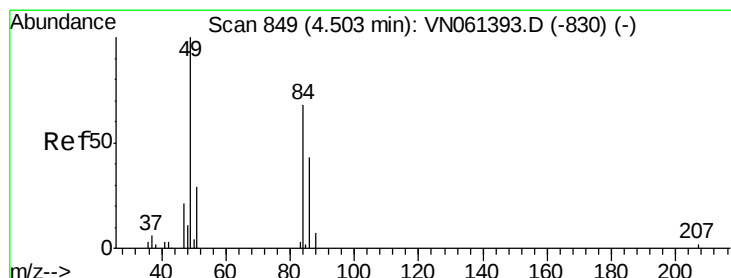
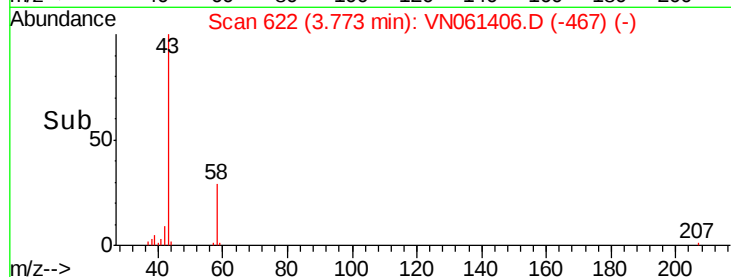
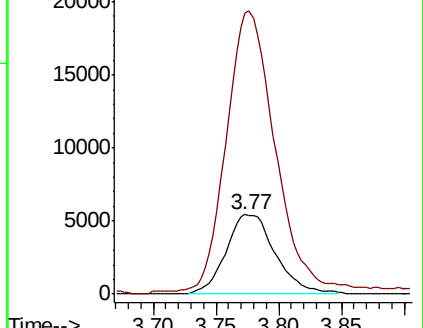
58 100

43 345.3 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN061393.D (-608) (-)

Ion 43.00 (42.70 to 43.70): VN061393.D (-608) (-)



#18

Methylene Chloride

Concen: 0.515 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN061406.D

Acq: 14 May 2020 20:48

Tgt Ion: 84 Resp: 597

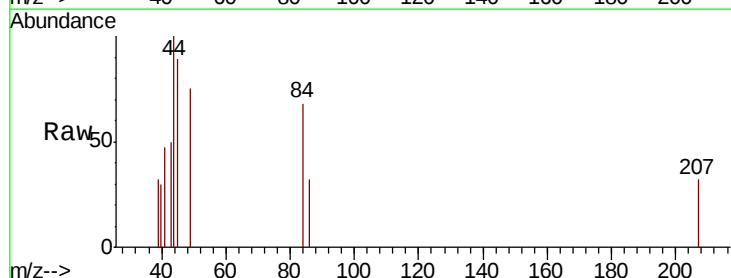
Ion Ratio Lower Upper

84 100

49 61.2 106.6 160.0#

51 0.0 32.4 48.6#

86 47.6 50.6 76.0#

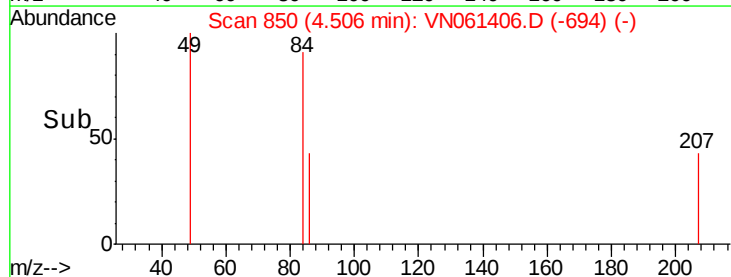
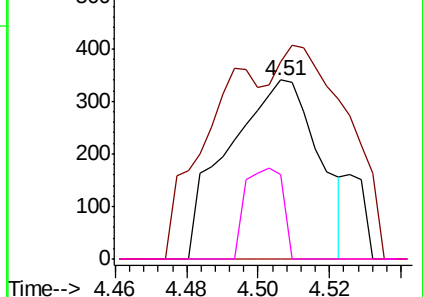


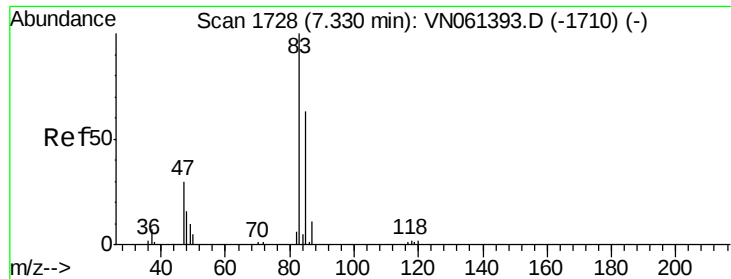
Abundance Ion 84.00 (83.70 to 84.70): VN061393.D (-830) (-)

Ion 49.00 (48.70 to 49.70): VN061393.D (-830) (-)

Ion 51.00 (50.70 to 51.70): VN061393.D (-830) (-)

Ion 86.00 (85.70 to 86.70): VN061393.D (-830) (-)

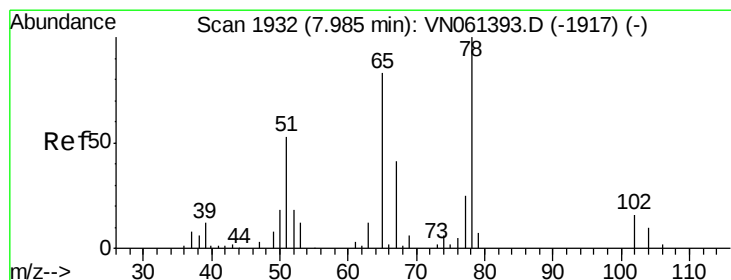
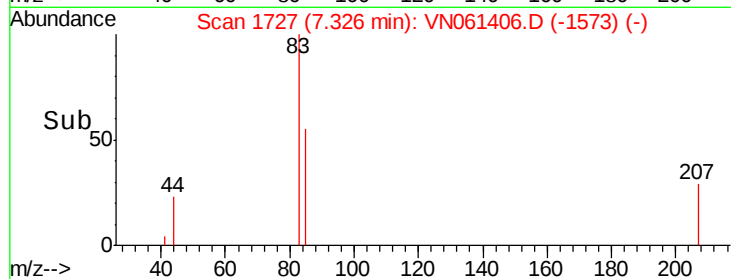
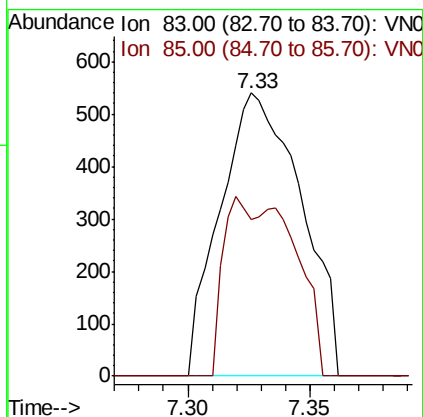
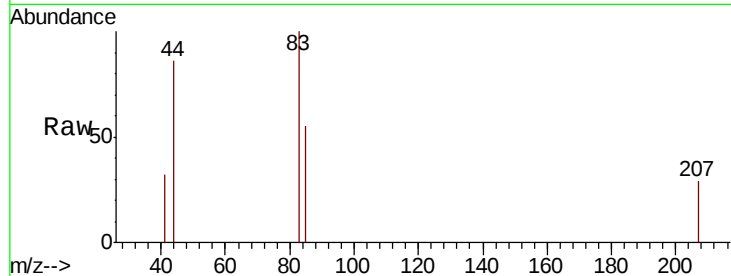




#25
Chloroform
Concen: 0.546 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061406.D
Acq: 14 May 2020 20:48

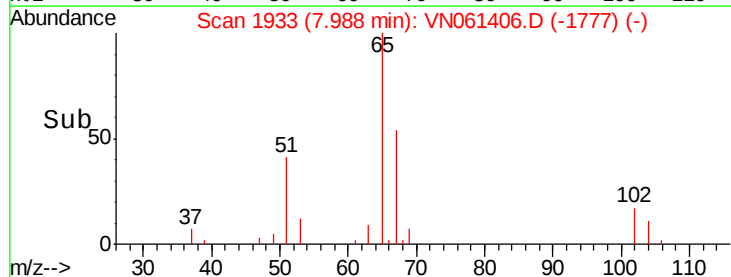
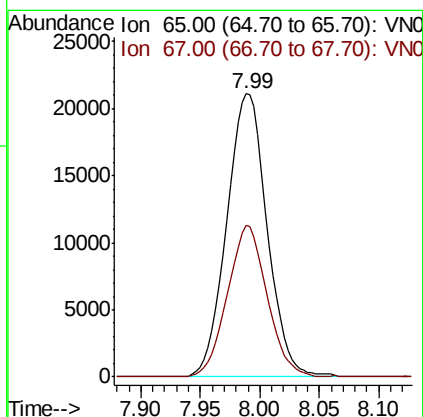
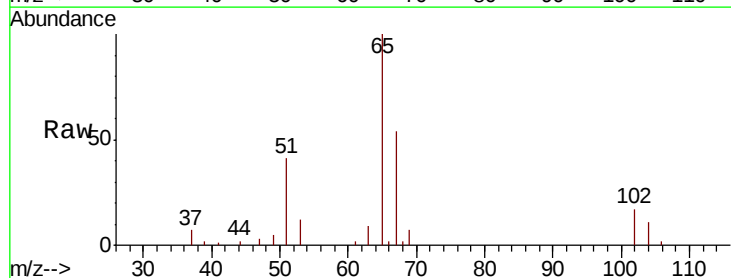
Instrument :
MSVOA_N
ClientSampled :

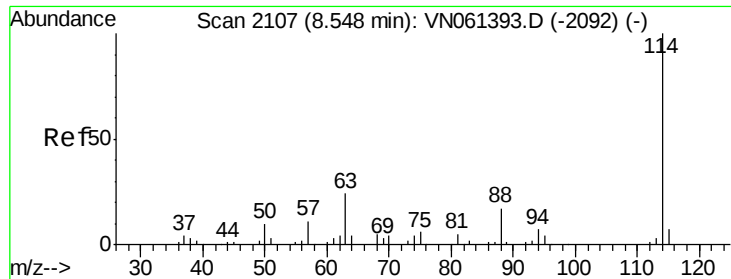
Tot Ion: 83 Resp: 1244
Ion Ratio Lower Upper
83 100
85 55.2 53.8 80.8



#27
1,2-Dichloroethane-d4
Concen: 30.954 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN061406.D
Acq: 14 May 2020 20:48

Tgt Ion: 65 Resp: 49583
Ion Ratio Lower Upper
65 100
67 52.5 41.5 62.3

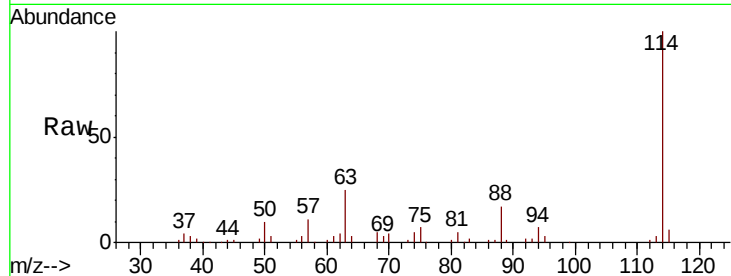




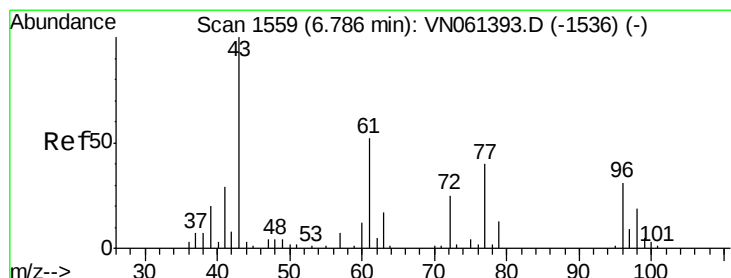
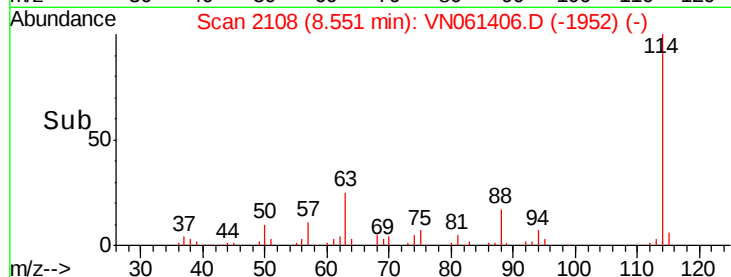
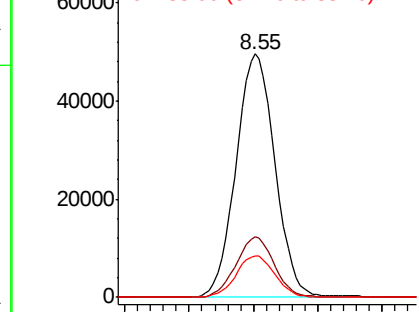
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061406.D
 Acq: 14 May 2020 20:48

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 104192
 Ion Ratio Lower Upper
 114 100
 63 24.3 18.1 27.1
 88 16.9 13.0 19.4

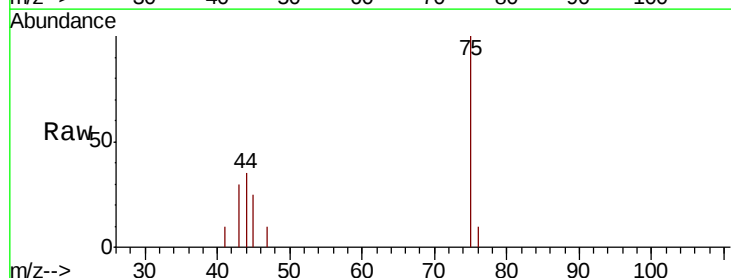


Abundance Ion 114.00 (113.70 to 114.70): VN061393.D (-2092) (-)
 Ion 63.00 (62.70 to 63.70): VN061393.D (-2092) (-)
 Ion 88.00 (87.70 to 88.70): VN061393.D (-2092) (-)

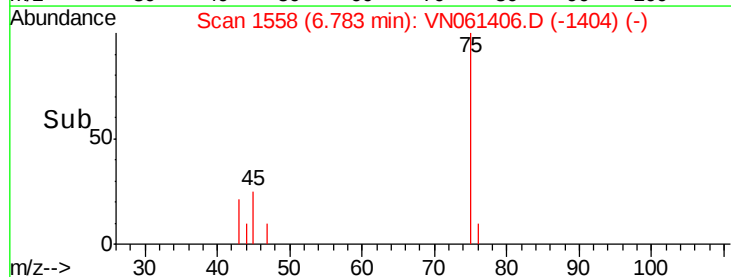
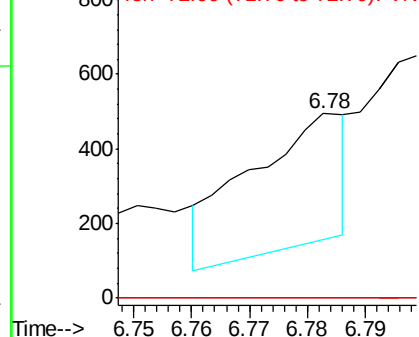


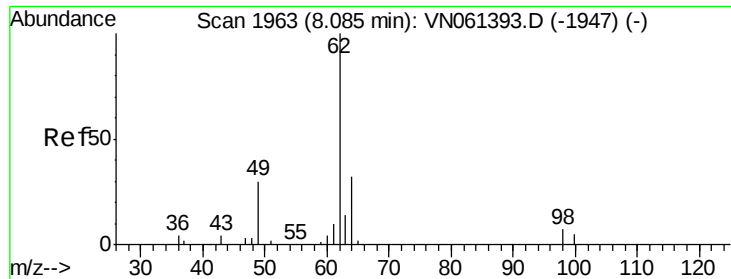
#30
 2-Butanone
 Concen: 0.535 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VN061406.D
 Acq: 14 May 2020 20:48

Tgt Ion: 43 Resp: 414
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.5 9.7#
 72 0.0 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VN061393.D (-1536) (-)
 Ion 57.00 (56.70 to 57.70): VN061393.D (-1536) (-)
 Ion 72.00 (71.70 to 72.70): VN061393.D (-1536) (-)

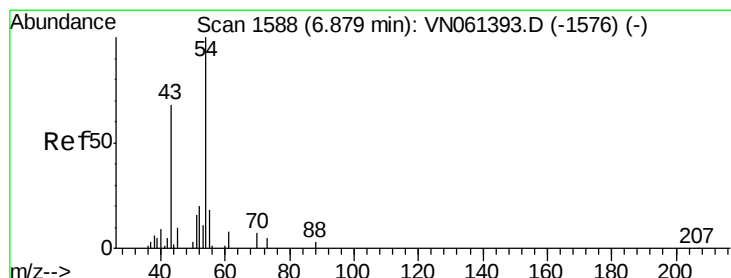
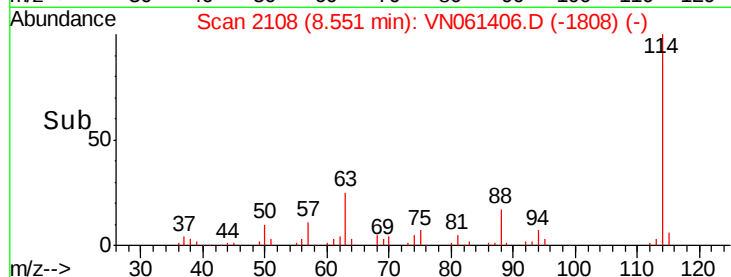
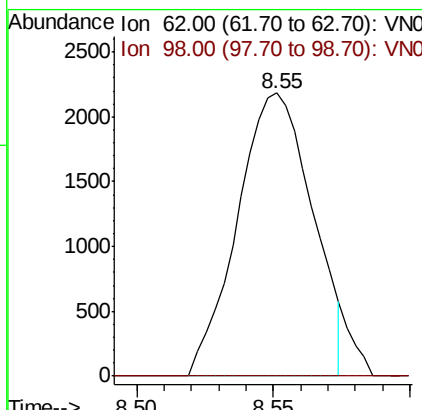
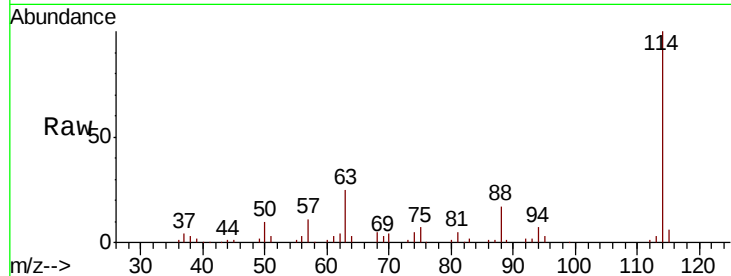




#36
 1,2-Dichloroethane
 Concen: 2.093 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.47 min
 Lab File: VN061406.D
 Acq: 14 May 2020 20:48

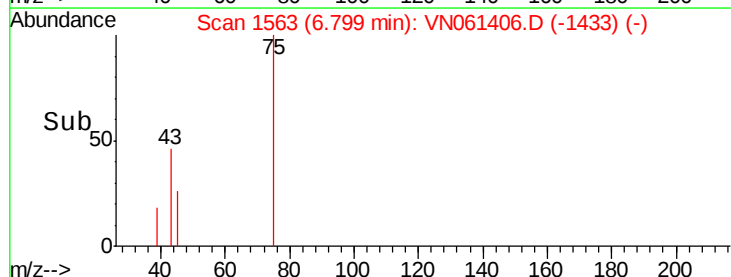
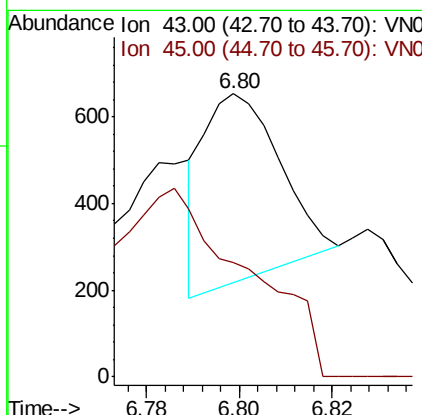
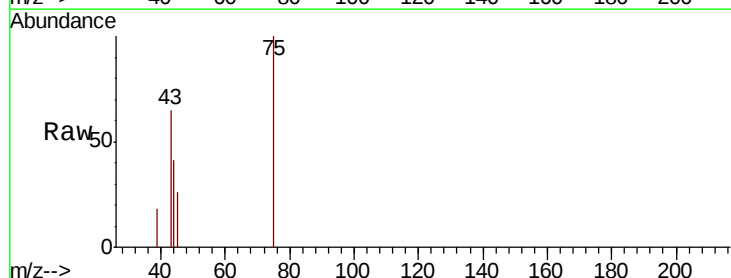
Instrument :
 MSVOA_N
 ClientSampleId :

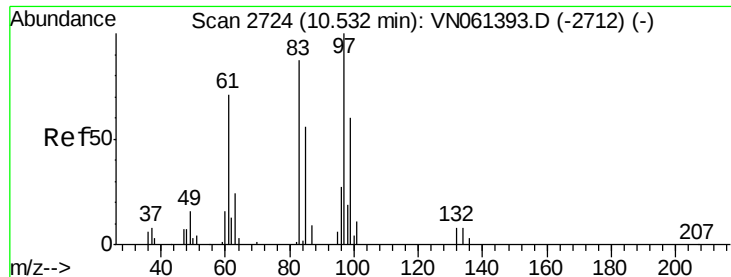
Tot Ion: 62 Resp: 4155
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.4 9.6#



#43
 Ethyl Acetate
 Concen: 0.301 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.08 min
 Lab File: VN061406.D
 Acq: 14 May 2020 20:48

Tgt Ion: 43 Resp: 497
 Ion Ratio Lower Upper
 43 100
 45 13.3 9.7 14.5

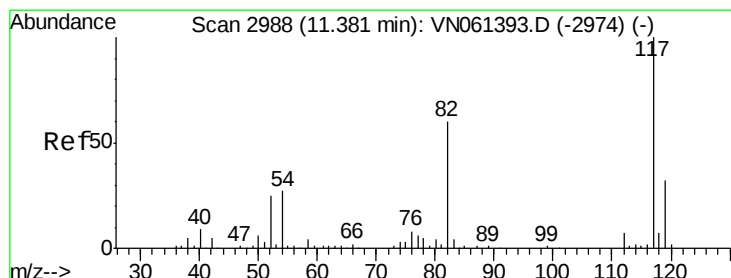
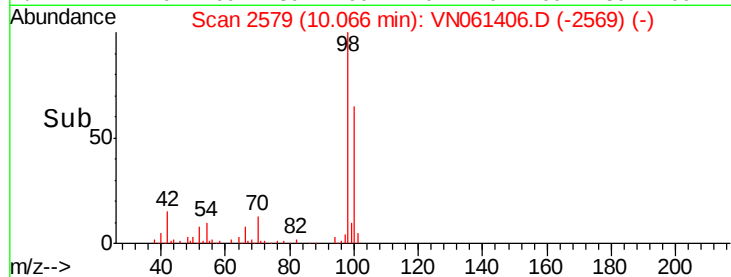
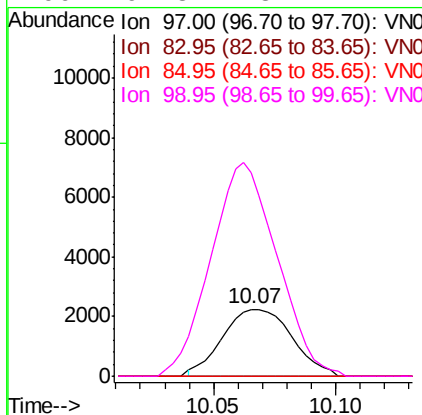
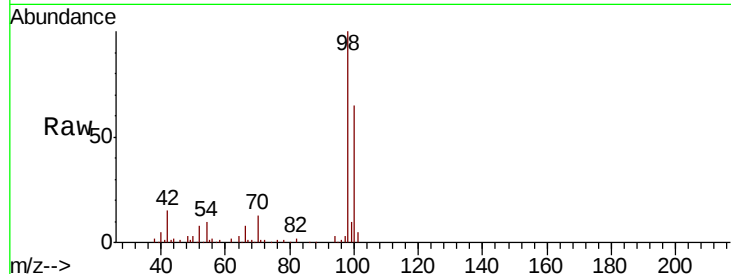




#50
 1,1,2-Trichloroethane
 Concen: 3.658 ug/l
 RT: 10.07 min Scan# 2579
 Delta R.T. -0.47 min
 Lab File: VN061406.D
 Acq: 14 May 2020 20:48

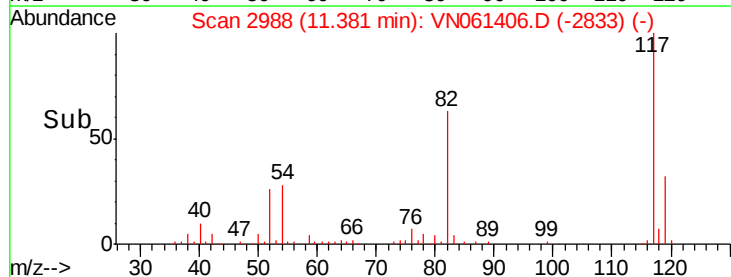
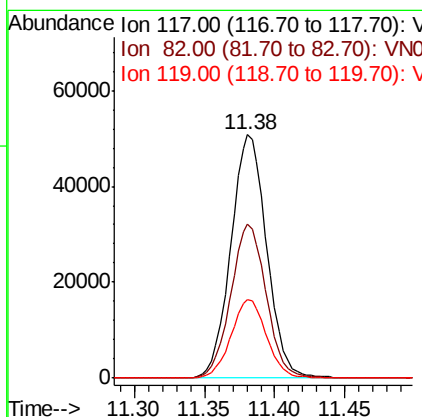
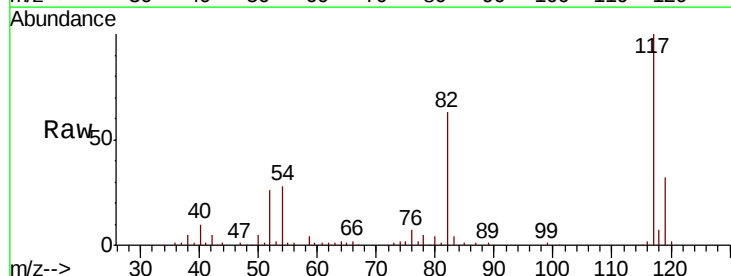
Instrument :
 MSVOA_N
 ClientSampled :

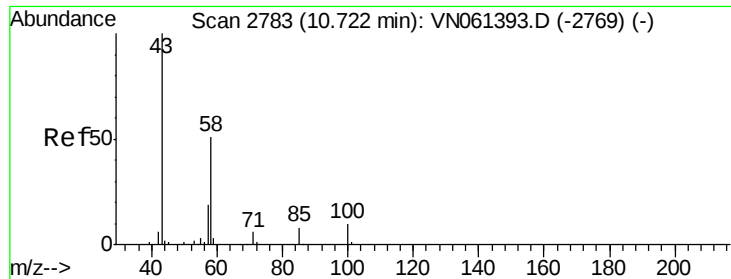
Tot Ion: 97 Resp: 4443
 Ion Ratio Lower Upper
 97 100
 83 0.0 70.7 106.1#
 85 0.0 45.1 67.7#
 99 297.8 48.2 72.4#



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN061406.D
 Acq: 14 May 2020 20:48

Tgt Ion: 117 Resp: 90234
 Ion Ratio Lower Upper
 117 100
 82 62.6 46.9 70.3
 119 31.9 25.8 38.6

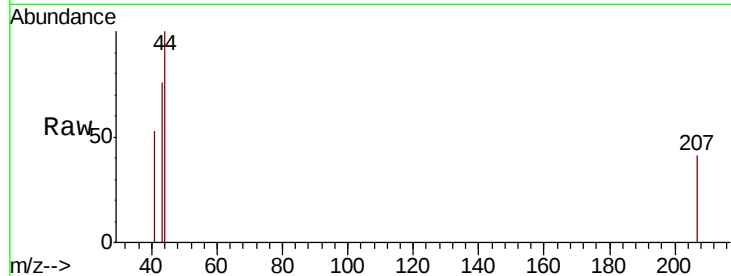




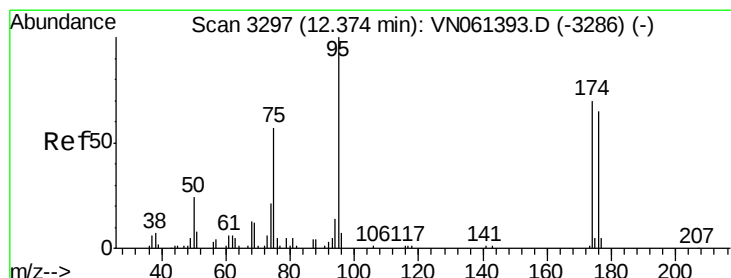
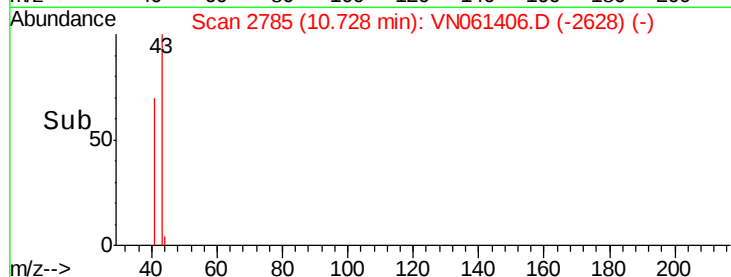
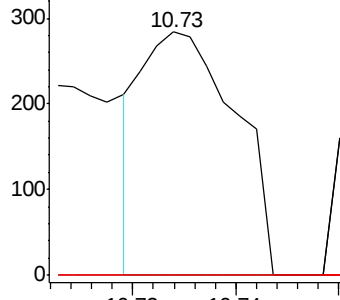
#59
2-Hexanone
Concen: 0.310 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.01 min
Lab File: VN061406.D
Acq: 14 May 2020 20:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 361
Ion Ratio Lower Upper
43 100
58 0.0 41.4 62.0#
57 0.0 14.7 22.1#

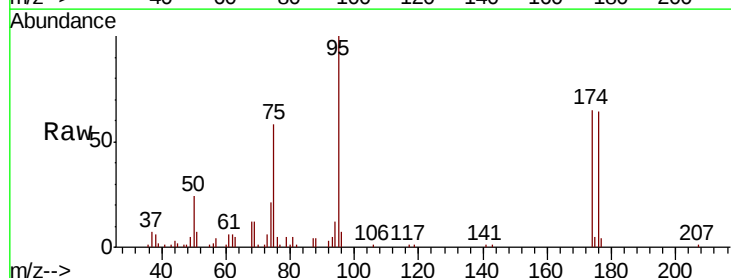


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

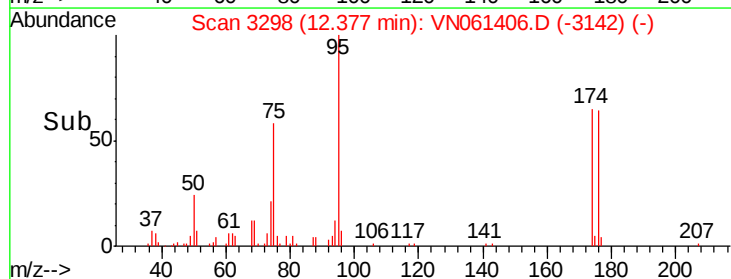
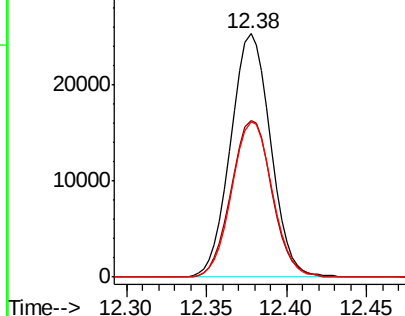


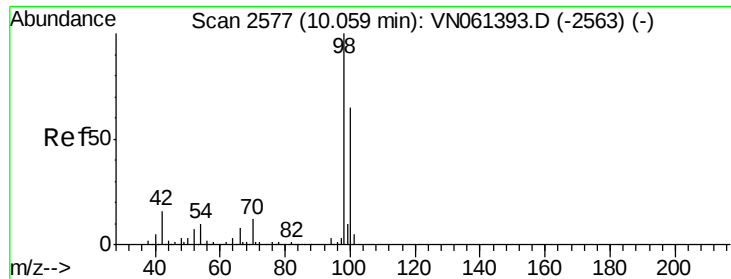
#60
4-Bromofluorobenzene
Concen: 28.024 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061406.D
Acq: 14 May 2020 20:48

Tgt Ion: 95 Resp: 43172
Ion Ratio Lower Upper
95 100
174 65.3 59.9 89.9
176 64.4 58.3 87.5



Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 31.695 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061406.D

Acq: 14 May 2020 20:48

Instrument :

MSVOA_N

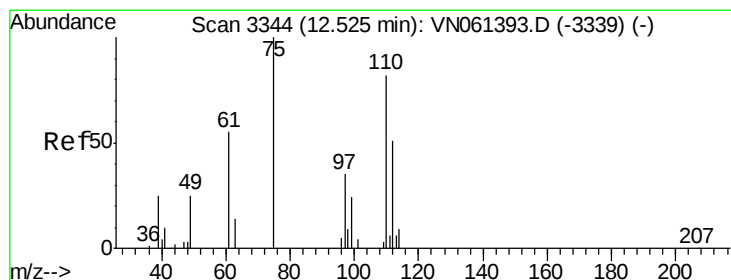
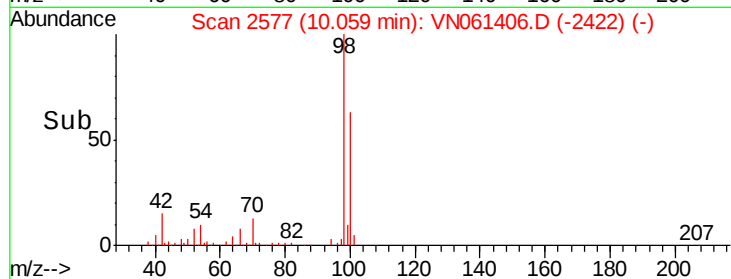
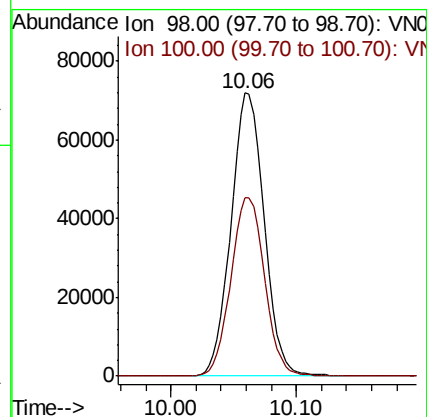
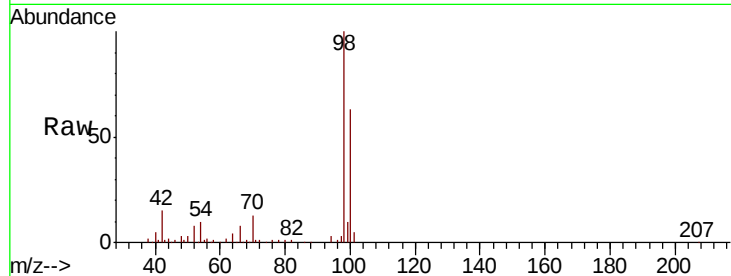
ClientSampleId :

Tot Ion: 98 Resp: 132421

Ion Ratio Lower Upper

98 100

100 64.1 50.6 75.8



#72

1,2,3-Trichloropropane

Concen: 16.368 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061406.D

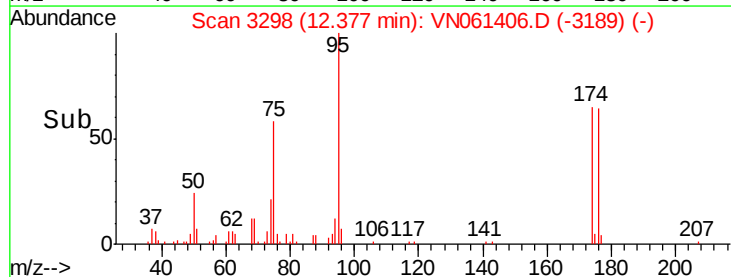
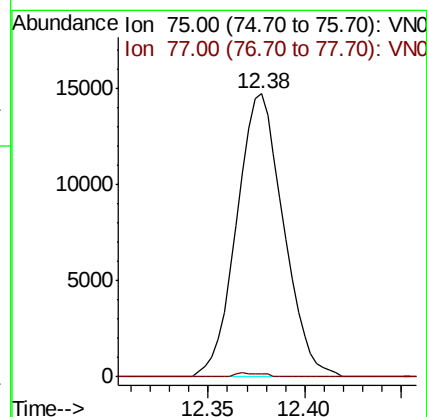
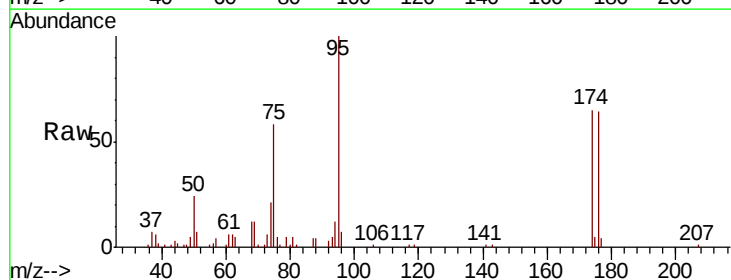
Acq: 14 May 2020 20:48

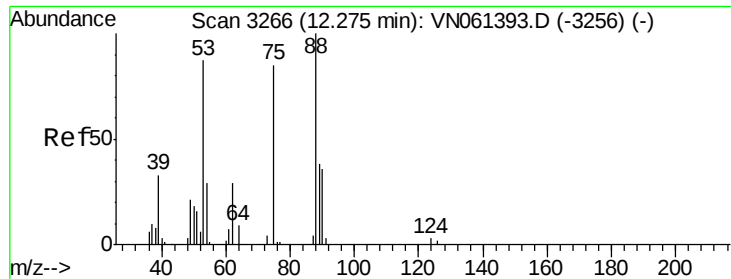
Tgt Ion: 75 Resp: 24729

Ion Ratio Lower Upper

75 100

77 0.7 0.0 359.4

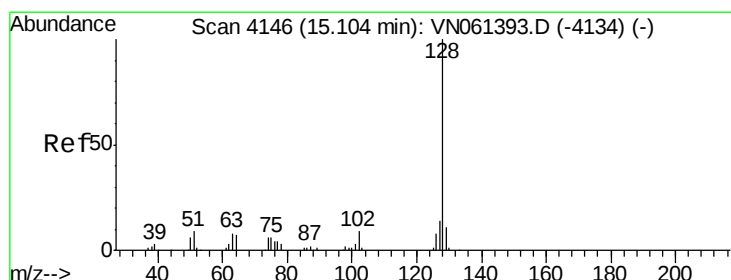
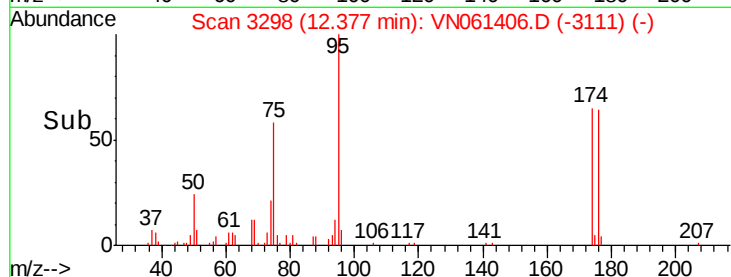
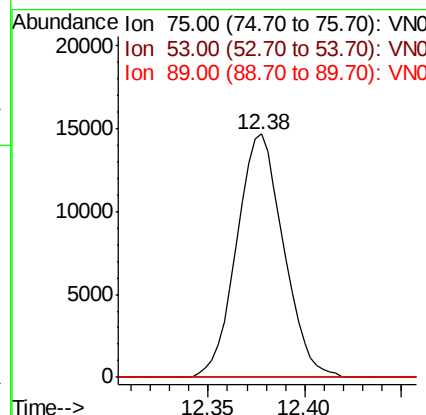
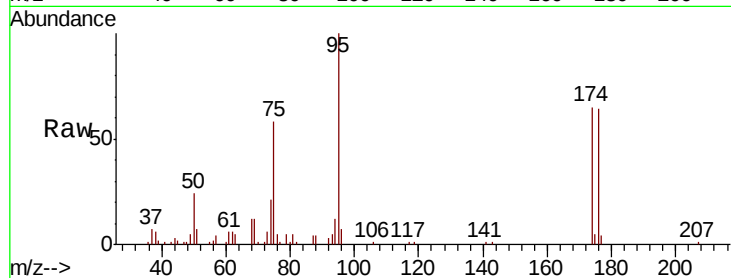




#77
t-1,4-Dichloro-2-butene
Concen: 39.328 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN061406.D
Acq: 14 May 2020 20:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 24729
Ion Ratio Lower Upper
75 100
53 0.0 50.0 150.0#
89 0.0 20.7 62.1#



#91
Naphthalene
Concen: 0.216 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061406.D
Acq: 14 May 2020 20:48

Tgt Ion: 128 Resp: 818
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

