

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041219\
 Data File : VN054992.D
 Acq On : 12 Apr 2019 11:17
 Operator : JC/SP
 Sample : VN0412WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 23:04:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	70805	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	381319	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	307617	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	164386	30.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.53%
60) 4-Bromofluorobenzene	12.40	95	112074	23.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	78.00%
63) Toluene-d8	10.09	98	453798	31.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.43%

Target Compounds

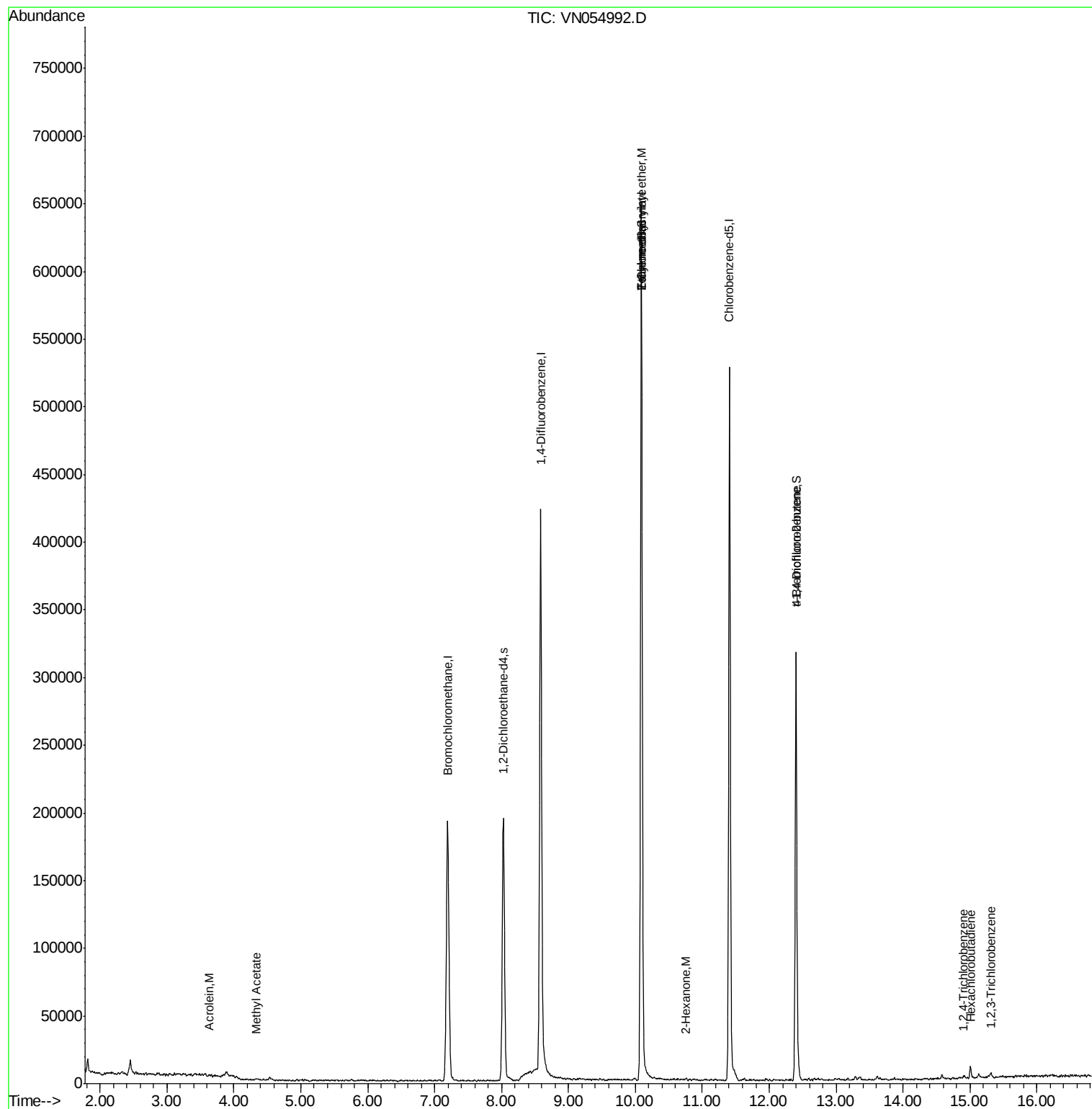
					Ovalue	
12) Methyl Acetate	4.33	43	1234	0.319	ug/l #	56
13) Acrolein	3.62	56	145	0.428	ug/l	92
51) Ethyl methacrylate	10.09	69	1593	0.358	ug/l #	80
55) 2-Chloroethyl vinyl ether	10.09	63	413	0.222	ug/l #	1
59) 2-Hexanone	10.75	43	946	0.420	ug/l #	68
77) t-1,4-Dichloro-2-butene	12.40	75	55566	65.402	ug/l #	1
89) 1,2,4-Trichlorobenzene	14.91	180	1108	0.359	ug/l #	78
90) Hexachlorobutadiene	15.01	225	1458	0.647	ug/l	83
92) 1,2,3-Trichlorobenzene	15.31	180	1107	0.358	ug/l	74

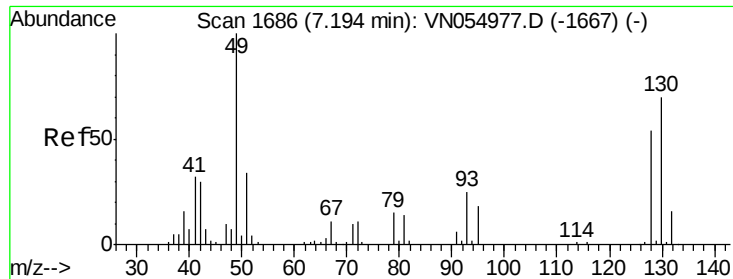
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041219\
Data File : VN054992.D
Acq On : 12 Apr 2019 11:17
Operator : JC/SP
Sample : VN0412WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 12 23:04:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration

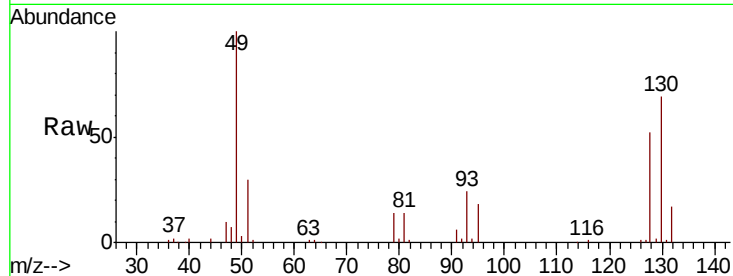




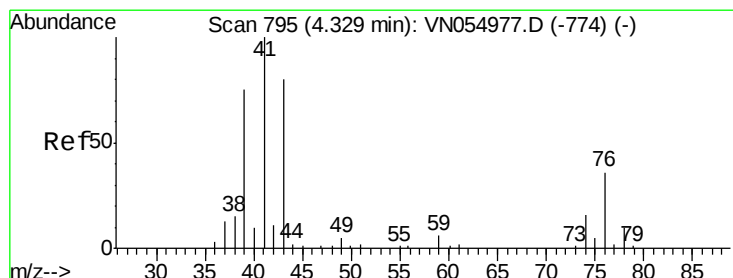
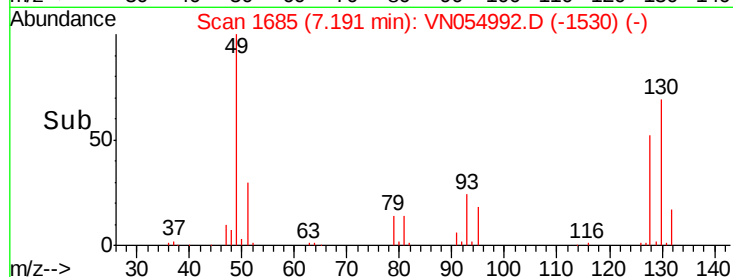
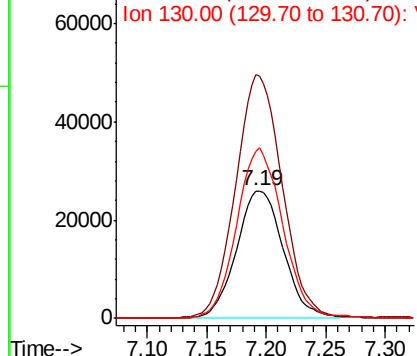
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN054992.D
Acq: 12 Apr 2019 11:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 70805
Ion Ratio Lower Upper
128 100
49 190.5 0.0 480.3
130 130.9 0.0 322.2

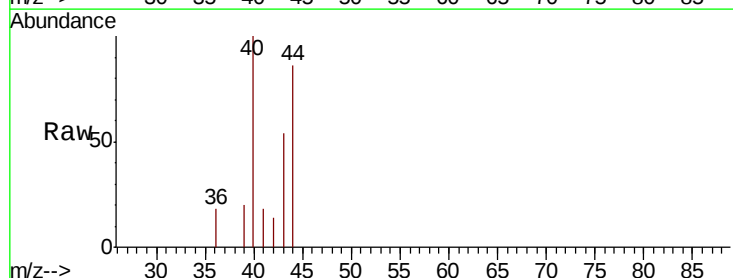


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

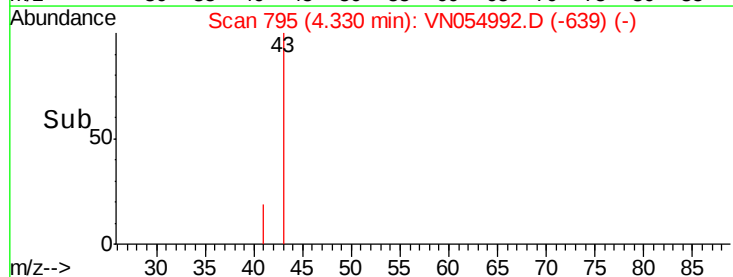
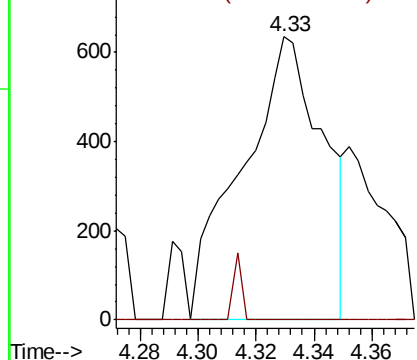


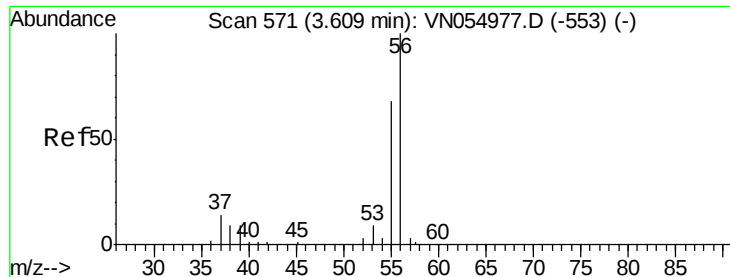
#12
Methyl Acetate
Concen: 0.319 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054992.D
Acq: 12 Apr 2019 11:17

Tgt Ion: 43 Resp: 1234
Ion Ratio Lower Upper
43 100
74 0.0 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 74.00 (73.70 to 74.70): VN





#13

Acrolein

Concen: 0.428 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN054992.D

Acq: 12 Apr 2019 11:17

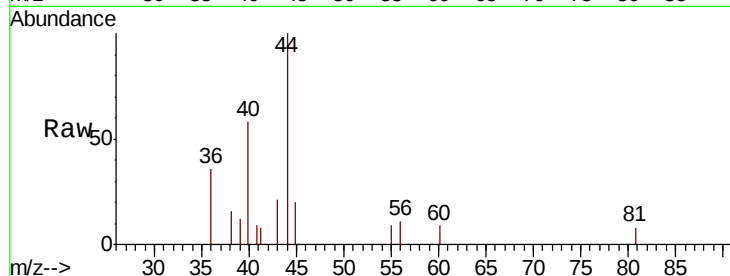
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 145

Ion Ratio Lower Upper

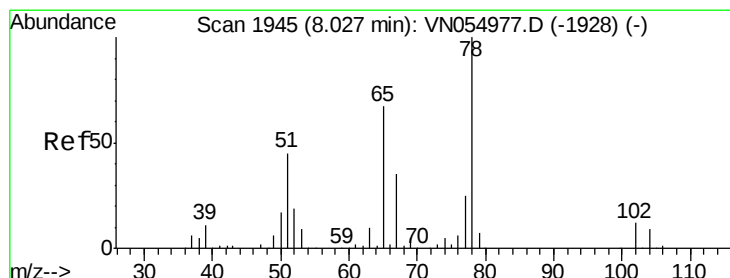
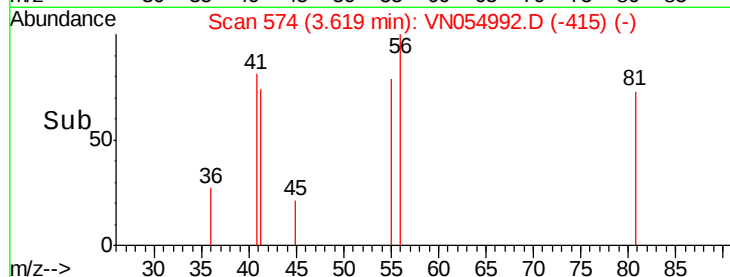
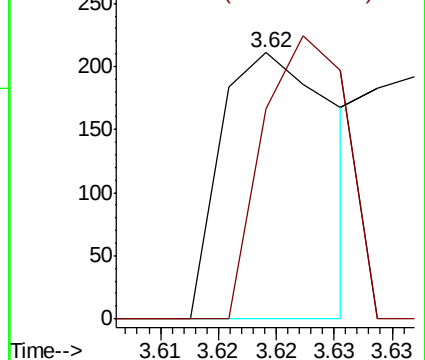
56 100

55 77.9 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054992.D

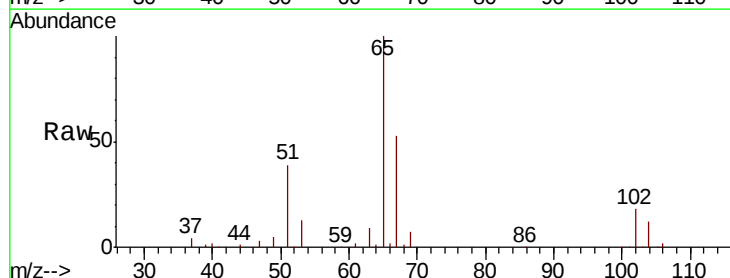
Acq: 12 Apr 2019 11:17

Tgt Ion: 65 Resp: 164386

Ion Ratio Lower Upper

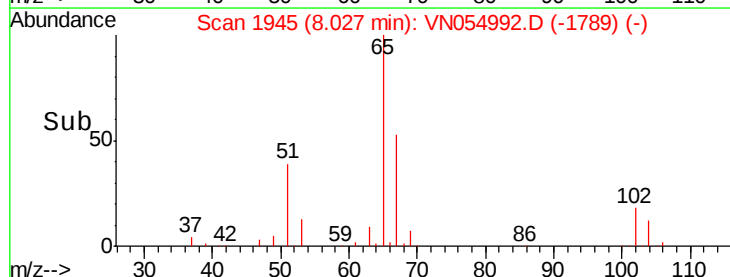
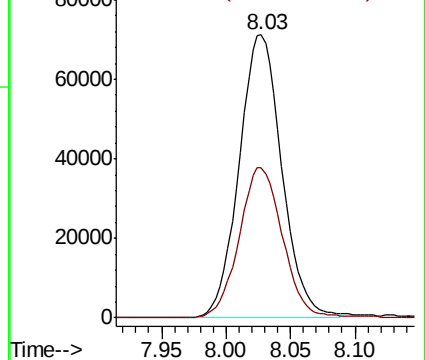
65 100

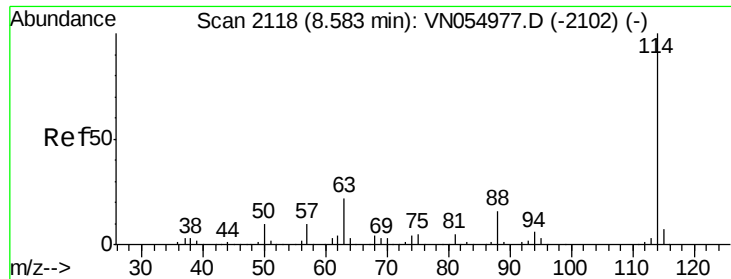
67 54.0 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

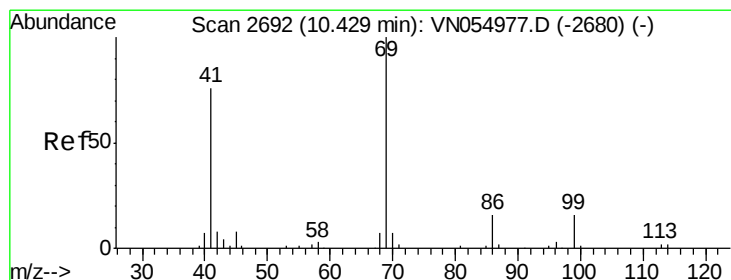
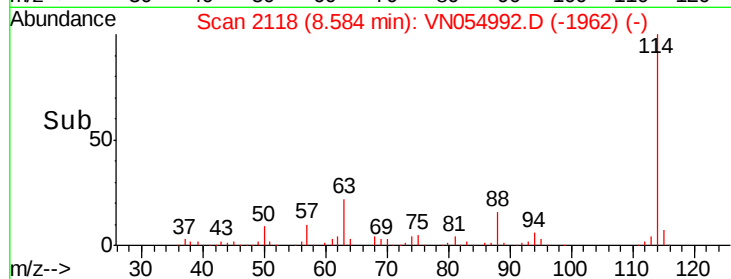
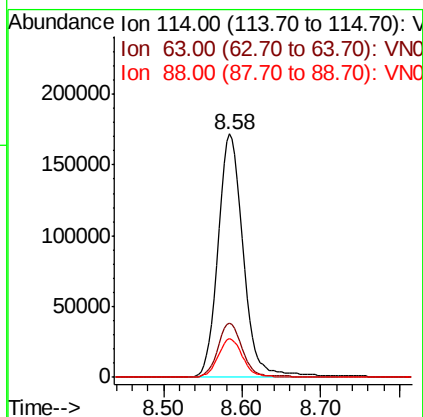
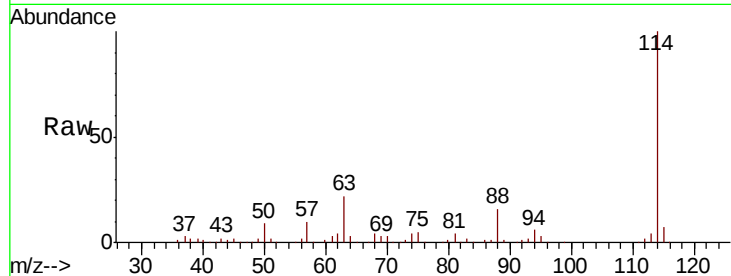




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN054992.D
 Acq: 12 Apr 2019 11:17

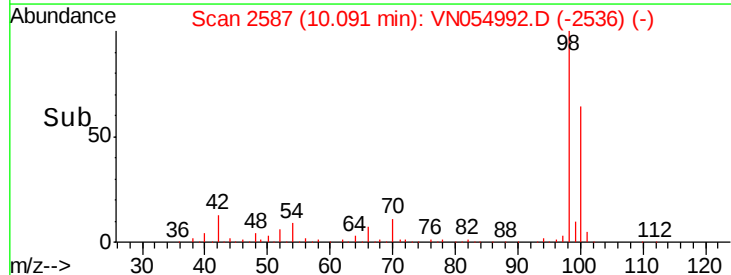
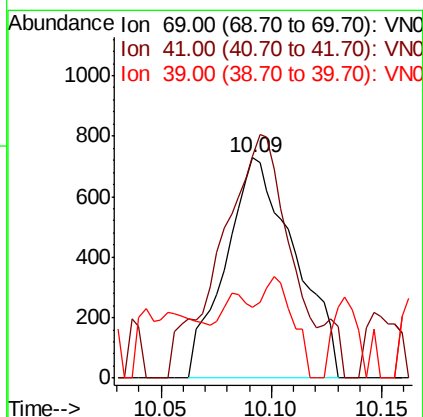
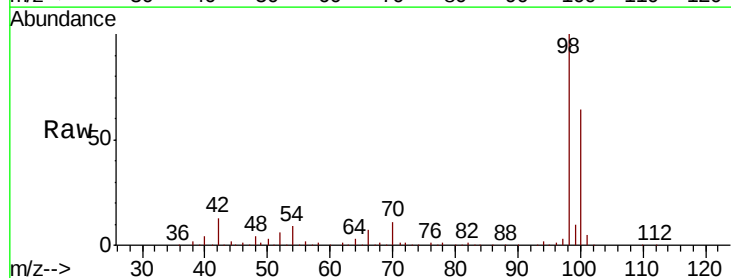
Instrument :
 MSVOA_N
 ClientSampleId :

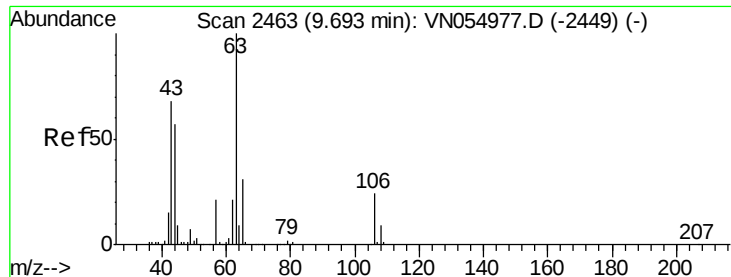
Tot Ion:114 Resp: 381319
 Ion Ratio Lower Upper
 114 100
 63 21.9 17.0 25.4
 88 15.4 12.3 18.5



#51
 Ethyl methacrylate
 Concen: 0.358 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.34 min
 Lab File: VN054992.D
 Acq: 12 Apr 2019 11:17

Tgt Ion: 69 Resp: 1593
 Ion Ratio Lower Upper
 69 100
 41 77.2 37.9 113.7
 39 5.2 19.8 59.4#





#55

2-Chloroethyl vinyl ether

Concen: 0.222 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.40 min

Lab File: VN054992.D

Acq: 12 Apr 2019 11:17

Instrument :

MSVOA_N

ClientSampleId :

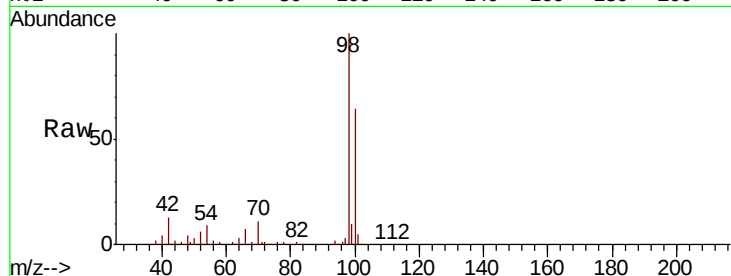
Tot Ion: 63 Resp: 413

Ion Ratio Lower Upper

63 100

65 357.1 25.4 38.0#

106 0.0 19.8 29.6#

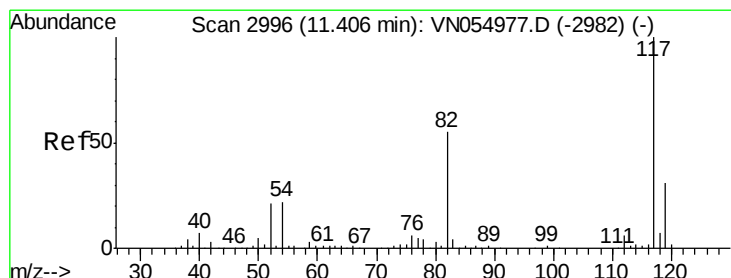
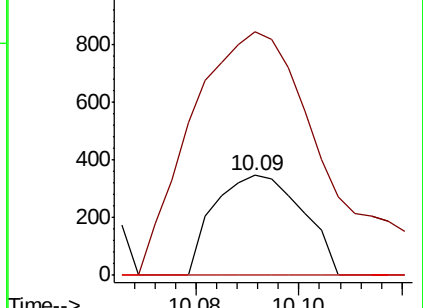
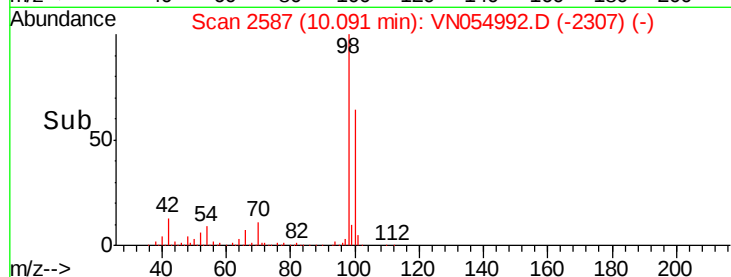


Abundance Ion 63.00 (62.70 to 63.70): VN054977.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN054977.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN054977.D (-2449) (-)

Time-->



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054992.D

Acq: 12 Apr 2019 11:17

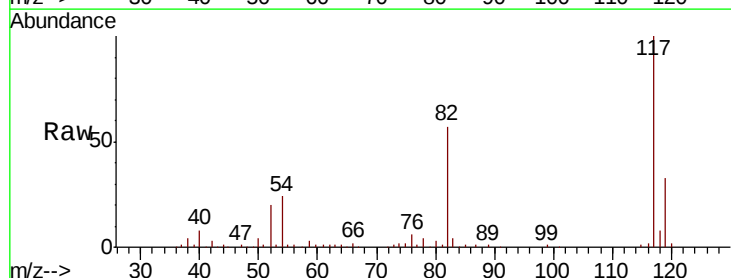
Tgt Ion: 117 Resp: 307617

Ion Ratio Lower Upper

117 100

82 56.3 45.2 67.8

119 32.1 25.4 38.2

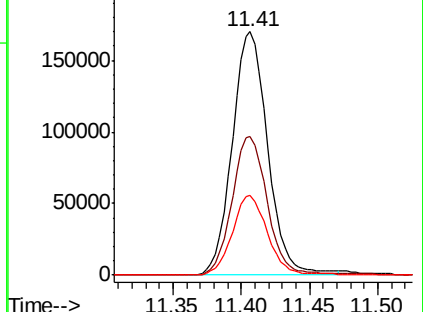
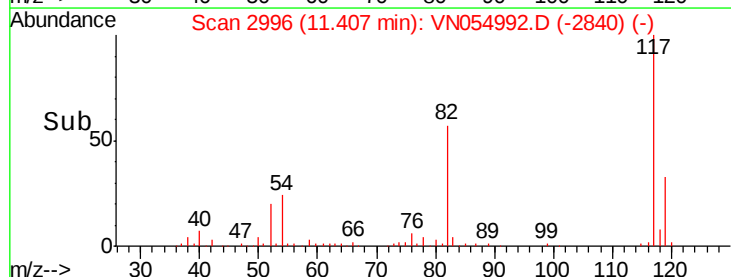


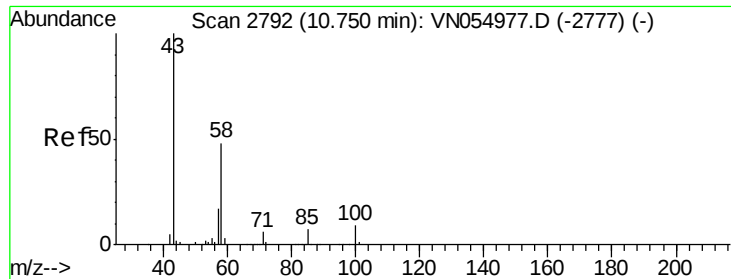
Abundance Ion 117.00 (116.70 to 117.70): VN054977.D (-2982) (-)

Ion 82.00 (81.70 to 82.70): VN054977.D (-2982) (-)

Ion 119.00 (118.70 to 119.70): VN054977.D (-2982) (-)

Time-->

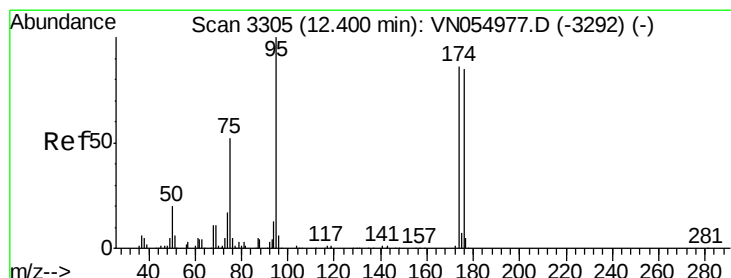
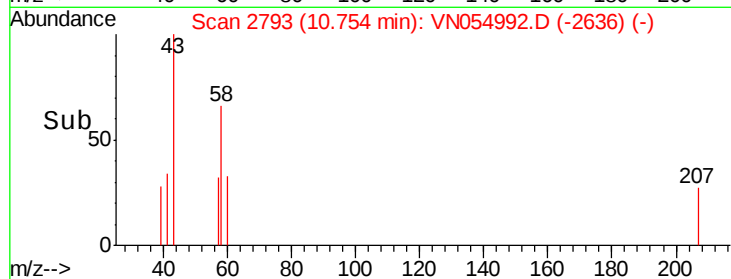
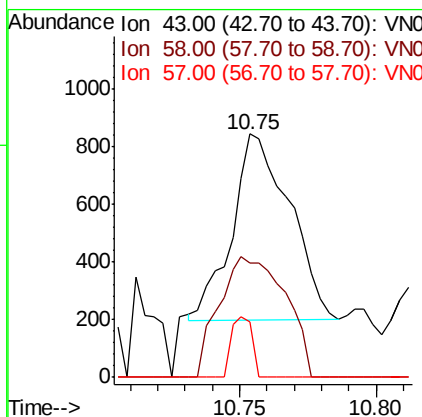
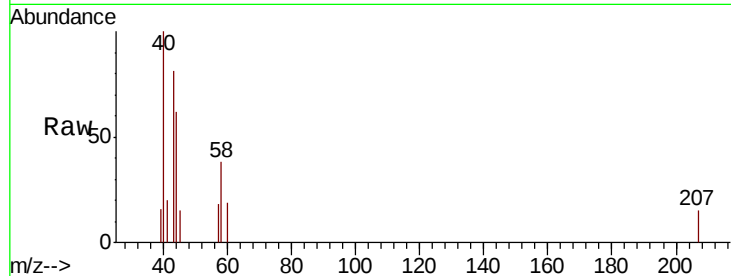




#59
2-Hexanone
Concen: 0.420 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054992.D
Acq: 12 Apr 2019 11:17

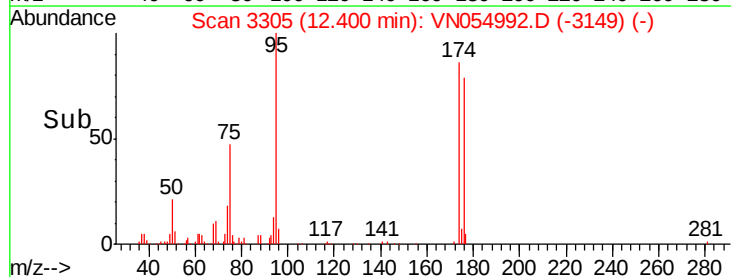
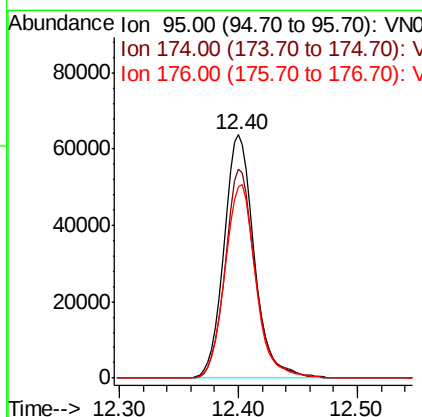
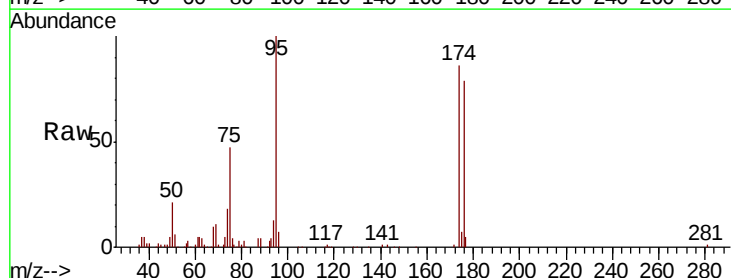
Instrument :
MSVOA_N
ClientSampled :

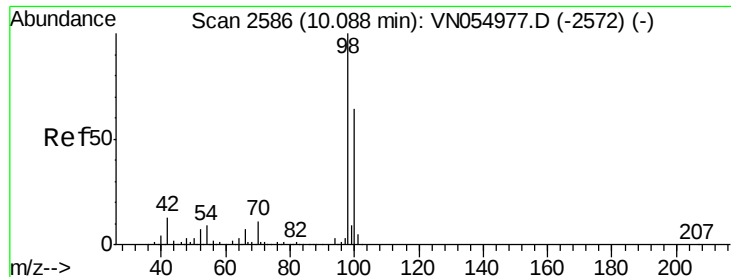
Tot Ion: 43 Resp: 946
Ion Ratio Lower Upper
43 100
58 74.7 38.8 58.2#
57 11.9 13.8 20.6#



#60
4-Bromofluorobenzene
Concen: 0.420 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054992.D
Acq: 12 Apr 2019 11:17

Tgt Ion: 95 Resp: 112074
Ion Ratio Lower Upper
95 100
174 85.9 69.4 104.2
176 81.2 67.4 101.2





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN054992.D

Acq: 12 Apr 2019 11:17

Instrument :

MSVOA_N

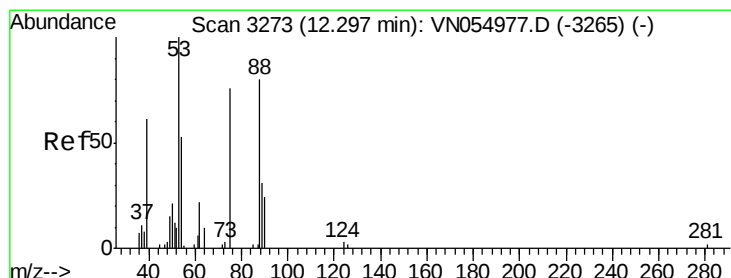
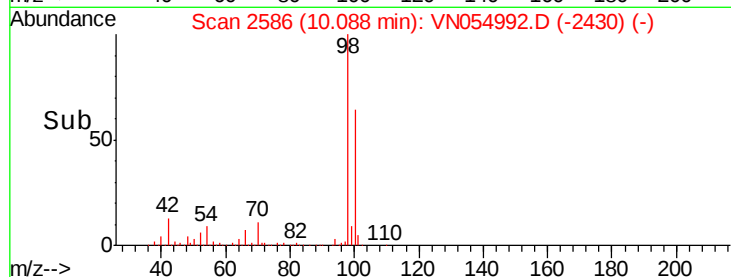
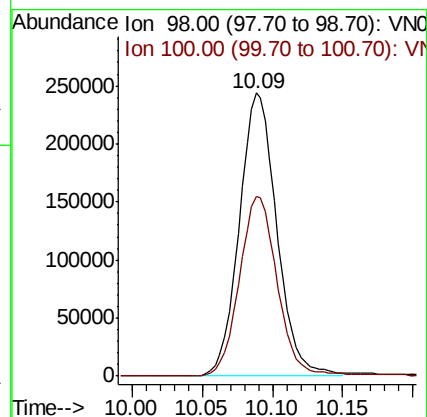
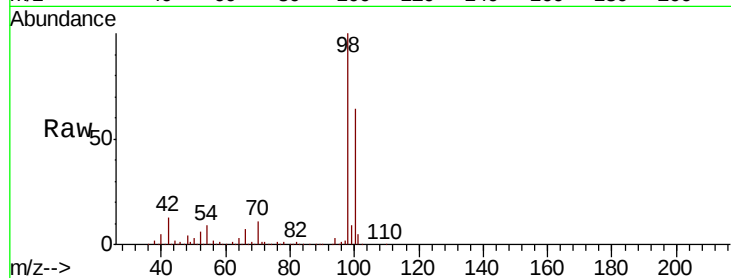
ClientSampled :

Tot Ion: 98 Resp: 453798

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7



#77

t-1,4-Dichloro-2-butene

Concen: 65.402 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054992.D

Acq: 12 Apr 2019 11:17

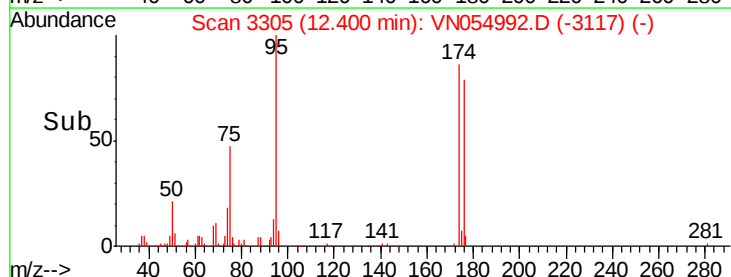
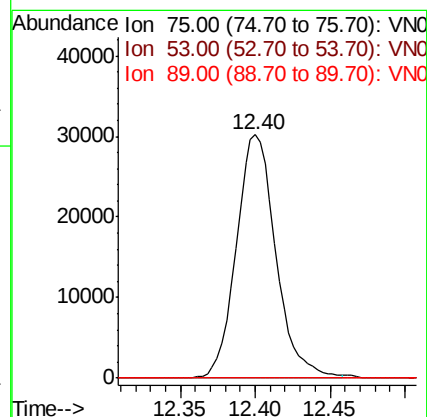
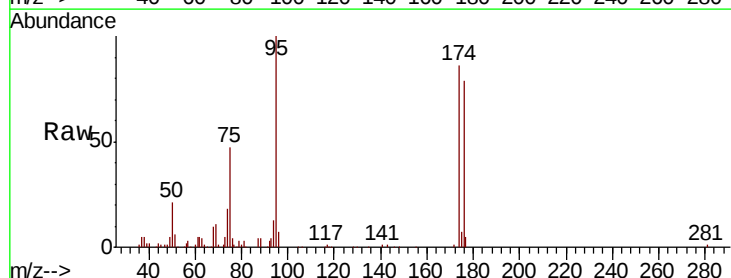
Tgt Ion: 75 Resp: 55566

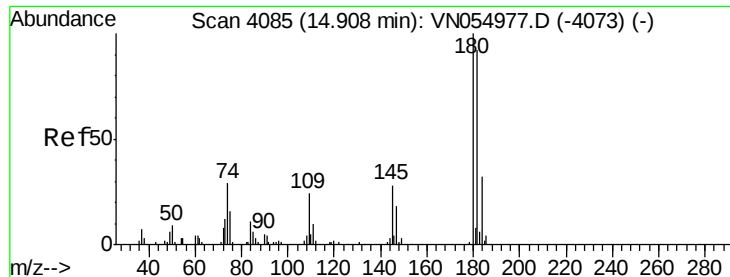
Ion Ratio Lower Upper

75 100

53 0.0 64.3 192.7#

89 0.0 21.6 65.0#

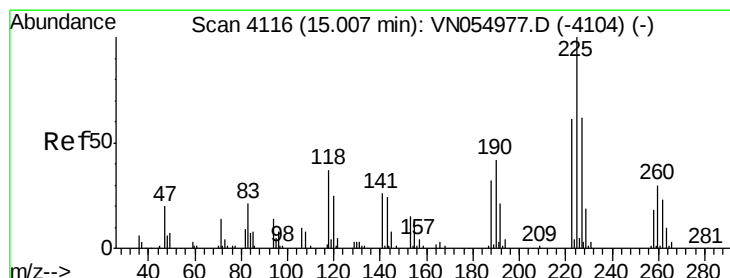
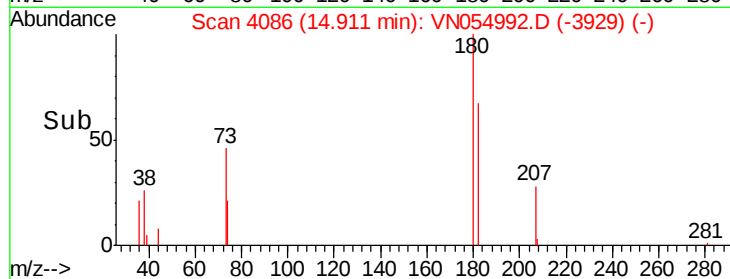
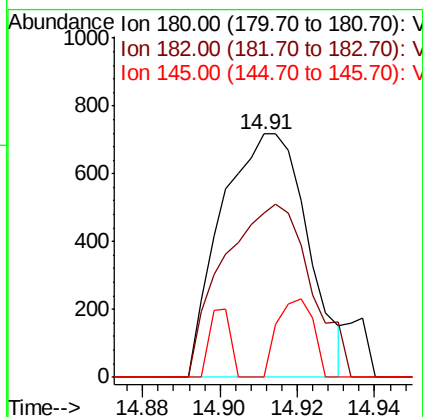
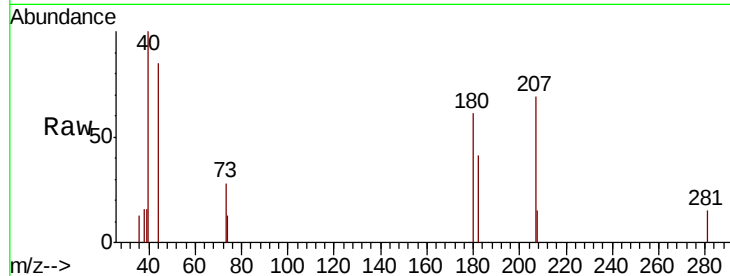




#89
 1,2,4-Trichlorobenzene
 Concen: 0.359 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054992.D
 Acq: 12 Apr 2019 11:17

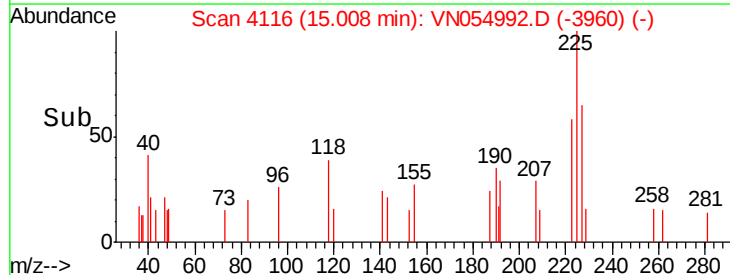
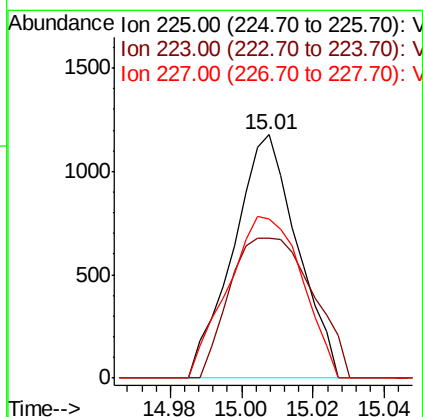
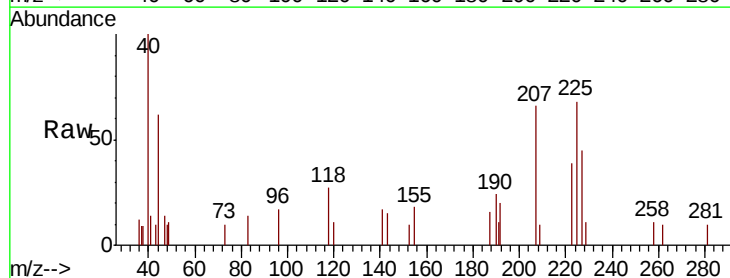
Instrument :
 MSVOA_N
 ClientSampled :

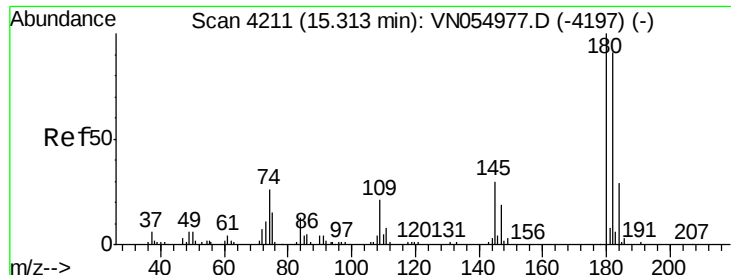
Tot Ion:180 Resp: 1108
 Ion Ratio Lower Upper
 180 100
 182 72.1 73.2 109.8#
 145 13.5 23.2 34.8#



#90
 Hexachlorobutadiene
 Concen: 0.647 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054992.D
 Acq: 12 Apr 2019 11:17

Tgt Ion:225 Resp: 1458
 Ion Ratio Lower Upper
 225 100
 223 75.0 0.0 126.0
 227 77.2 0.0 125.4





#92
 1,2,3-Trichlorobenzene
 Concen: 0.358 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN054992.D
 Acq: 12 Apr 2019 11:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	67.8	0.0	188.2
145	19.1	0.0	61.2

