

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051979.D
 Acq On : 24 Oct 2018 11:14
 Operator : MD\SY
 Sample : VN1024WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBL02

Quant Time: Oct 24 14:30:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	159241	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	899463	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	786949	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	288414	29.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.23%
60) 4-Bromofluorobenzene	12.40	95	311733	27.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.57%
63) Toluene-d8	10.09	98	1008649	29.52	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.40%

Target Compounds

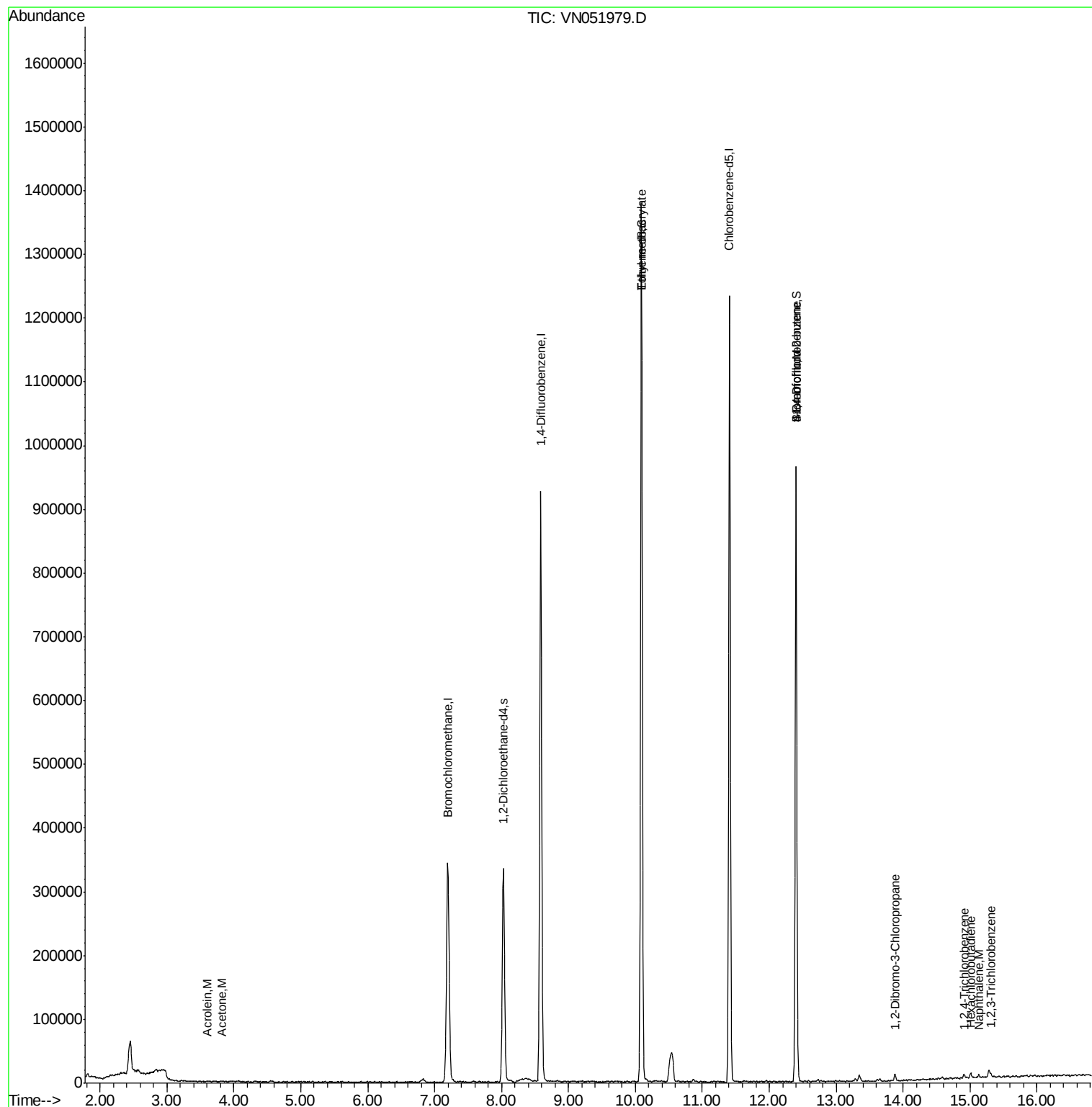
					Ovalue	
13) Acrolein	3.60	56	270	0.900	ug/l #	35
15) Acetone	3.82	58	145	0.288	ug/l #	1
51) Ethyl methacrylate	10.10	69	3051	0.322	ug/l	89
56) Bromoform	12.40	173	3135	0.464	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	153825	65.011	ug/l #	12
88) 1,2-Dibromo-3-Chloropropan	13.88	75	441	0.325	ug/l #	3
89) 1,2,4-Trichlorobenzene	14.91	180	2024	7.885	ug/l	87
90) Hexachlorobutadiene	15.01	225	1492	0.238	ug/l	94
91) Naphthalene	15.13	128	3898	8.680	ug/l #	88
92) 1,2,3-Trichlorobenzene	15.31	180	2427	0.274	ug/l	73

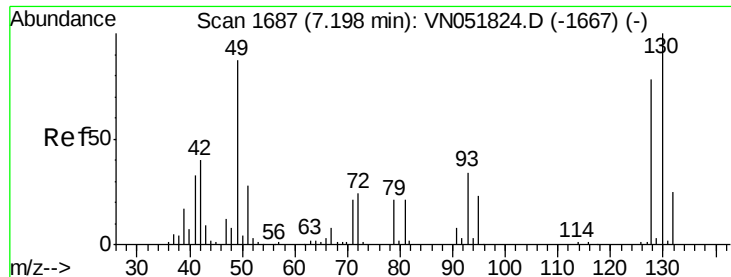
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102418\
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ALS Vial : 7 Sample Multiplier: 28

Instrument :
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ClientSampleId :
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Quant Time: Oct 24 14:30:45 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

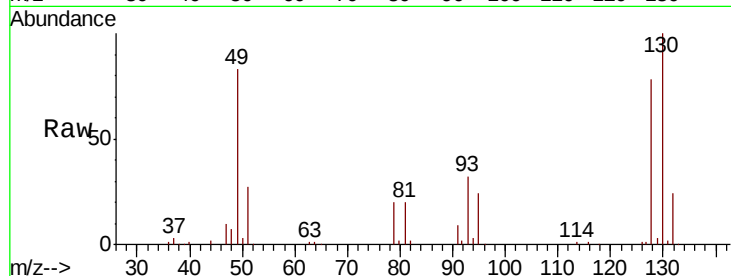




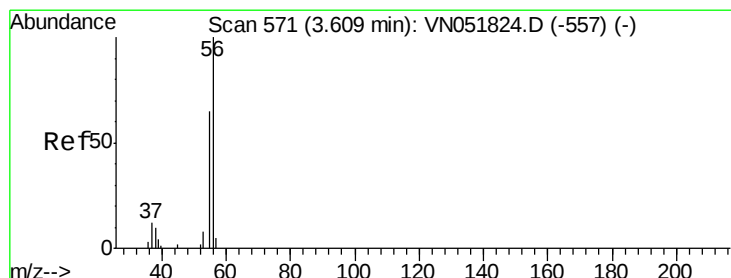
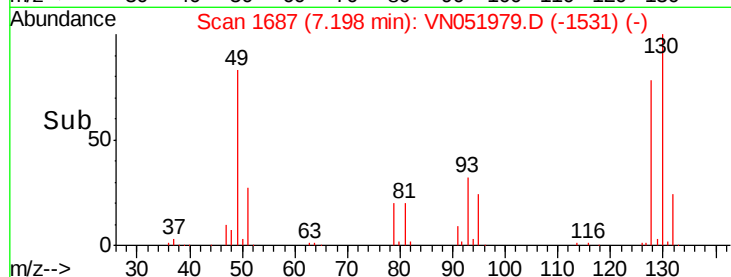
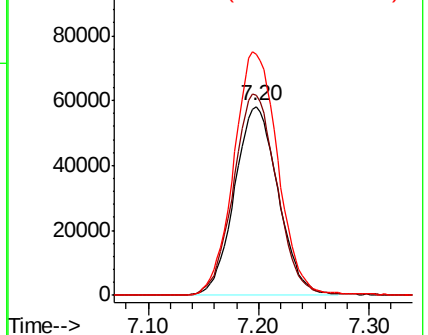
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN051979.D
Acq: 24 Oct 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL02

Tot Ion:128 Resp: 159241
Ion Ratio Lower Upper
128 100
49 106.2 0.0 403.3
130 129.6 0.0 326.0

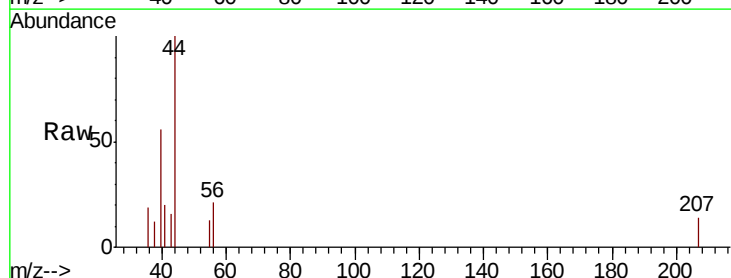


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

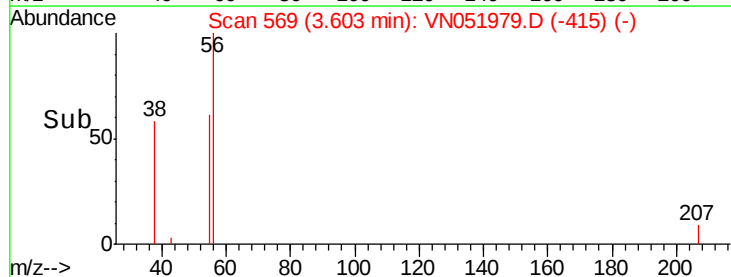
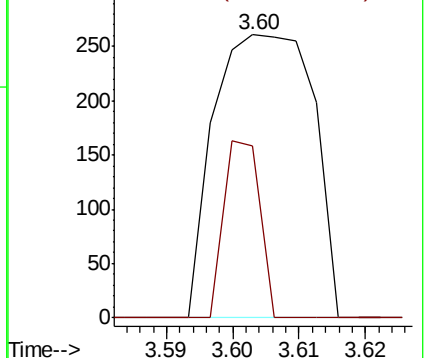


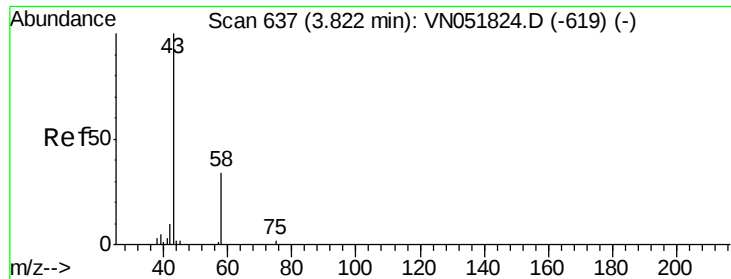
#13
Acrolein
Concen: 0.900 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.01 min
Lab File: VN051979.D
Acq: 24 Oct 2018 11:14

Tgt Ion: 56 Resp: 270
Ion Ratio Lower Upper
56 100
55 23.0 64.0 96.0#



Abundance Ion 56.00 (55.70 to 56.70): VN
Ion 55.00 (54.70 to 55.70): VN





#15

Acetone

Concen: 0.288 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051979.D

Acq: 24 Oct 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

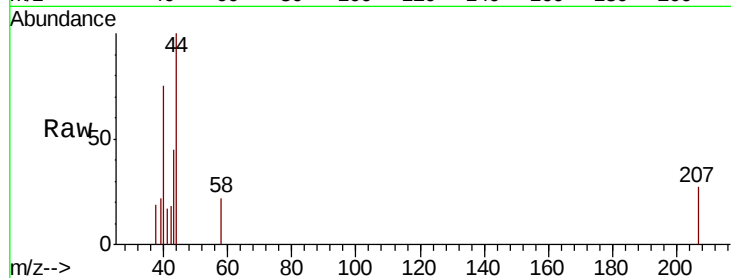
VN1024WBL02

Tot Ion: 58 Resp: 145

Ion Ratio Lower Upper

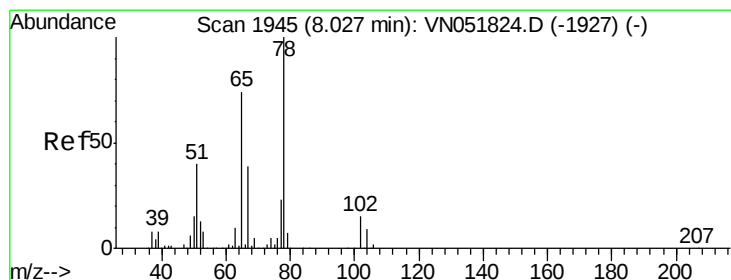
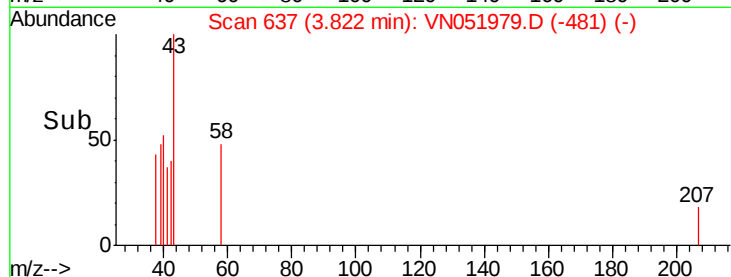
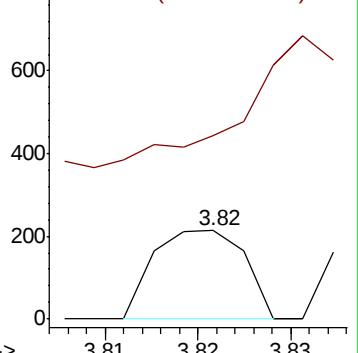
58 100

43 27.6 232.2 348.2#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051979.D

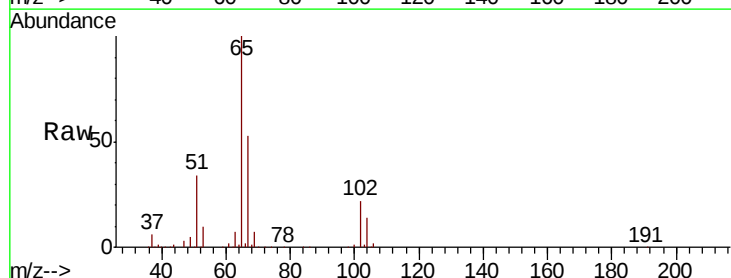
Acq: 24 Oct 2018 11:14

Tgt Ion: 65 Resp: 288414

Ion Ratio Lower Upper

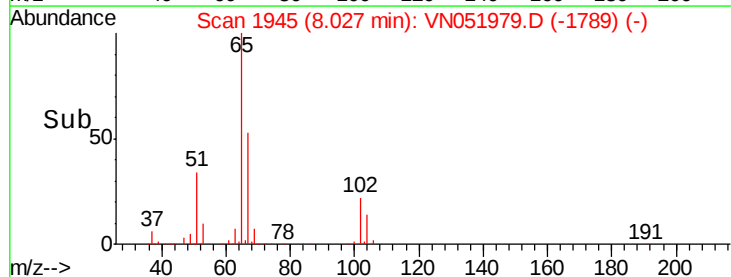
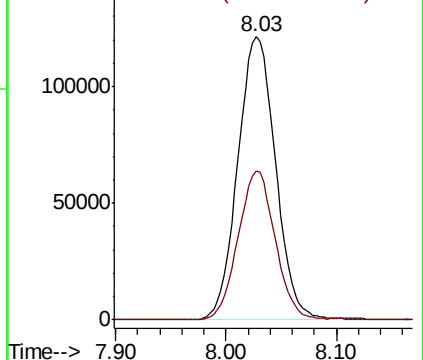
65 100

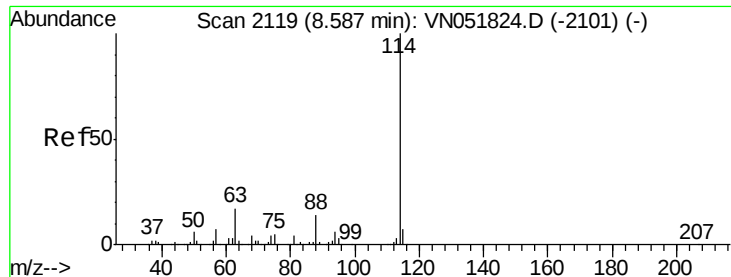
67 51.6 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

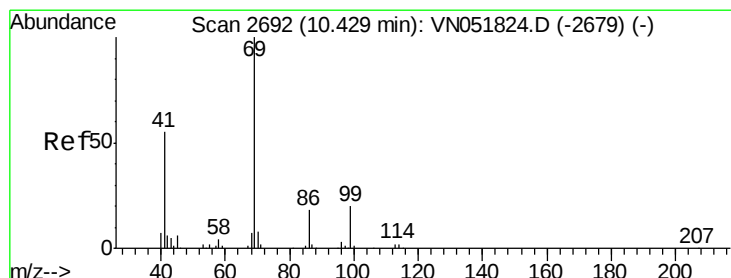
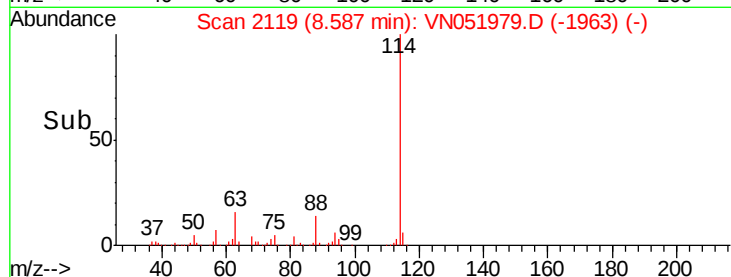
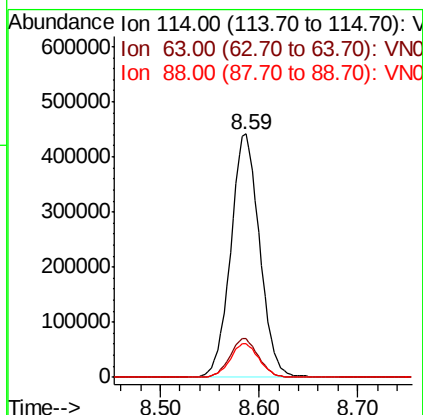
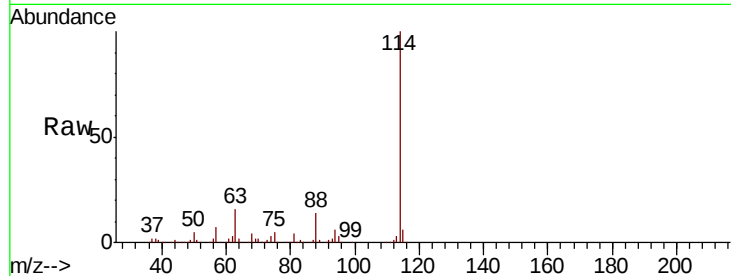




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051979.D
 Acq: 24 Oct 2018 11:14

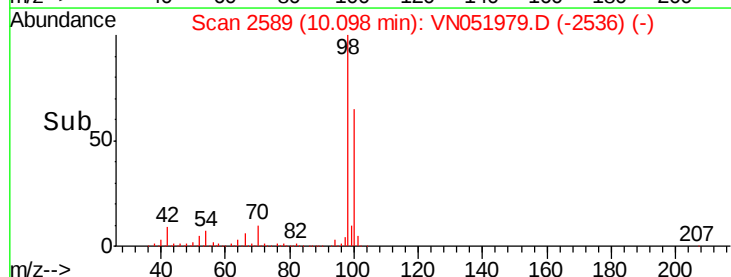
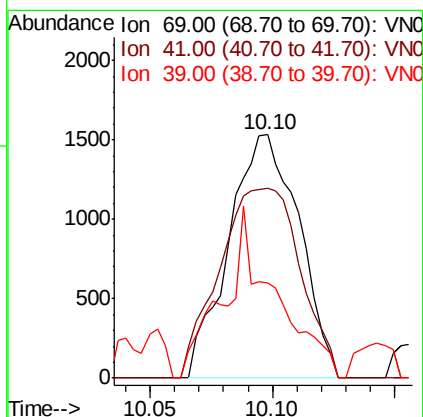
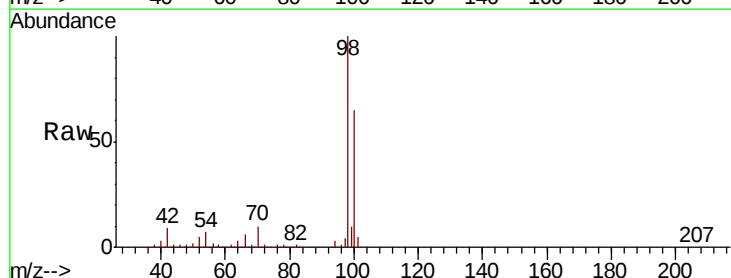
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBL02

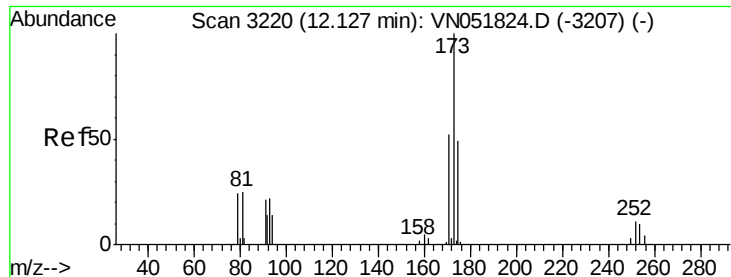
Tot Ion:114 Resp: 899463
 Ion Ratio Lower Upper
 114 100
 63 15.9 16.2 24.2#
 88 14.0 12.2 18.4



#51
 Ethyl methacrylate
 Concen: 0.322 ug/l
 RT: 10.10 min Scan# 2589
 Delta R.T. -0.33 min
 Lab File: VN051979.D
 Acq: 24 Oct 2018 11:14

Tgt Ion: 69 Resp: 3051
 Ion Ratio Lower Upper
 69 100
 41 78.0 34.4 103.1
 39 38.9 16.3 48.8





#56

Bromoform

Concen: 0.464 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN051979.D

Acq: 24 Oct 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBL02

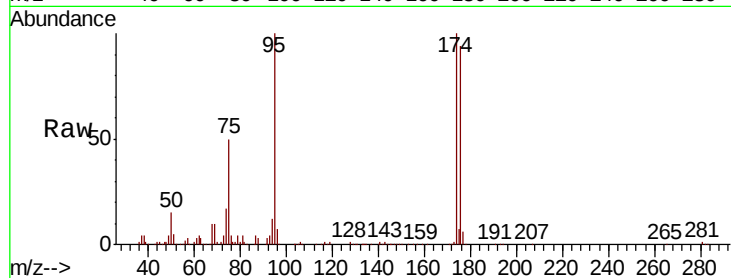
Tot Ion:173 Resp: 3135

Ion Ratio Lower Upper

173 100

175 720.7 35.8 53.8#

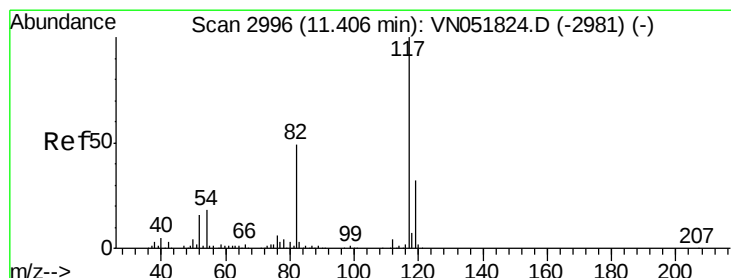
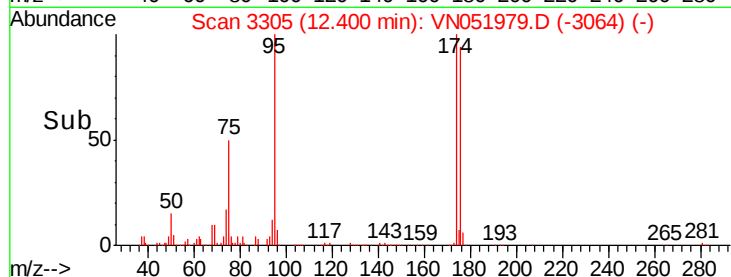
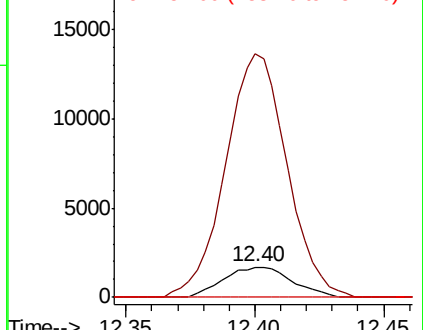
254 0.0 8.6 13.0#



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: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051979.D

Acq: 24 Oct 2018 11:14

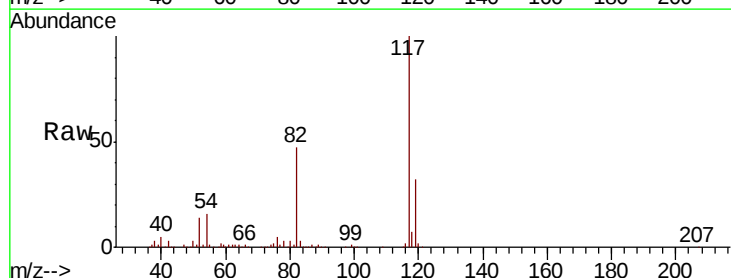
Tgt Ion:117 Resp: 786949

Ion Ratio Lower Upper

117 100

82 47.7 44.1 66.1

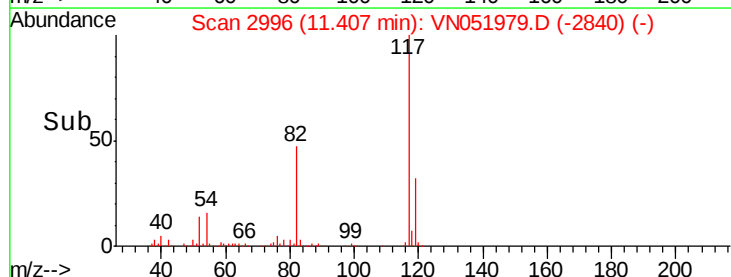
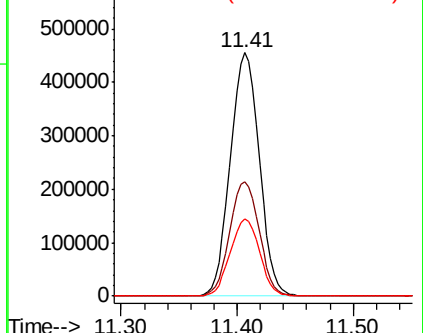
119 32.1 25.8 38.8

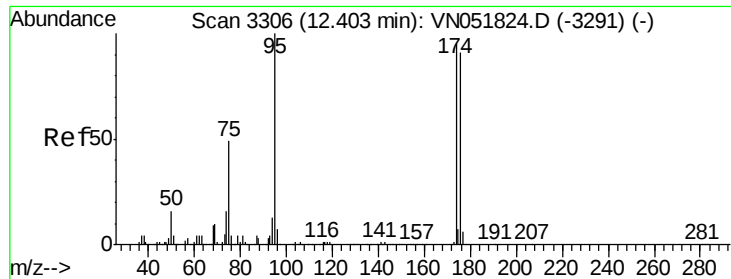


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051979.D

Acq: 24 Oct 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBL02

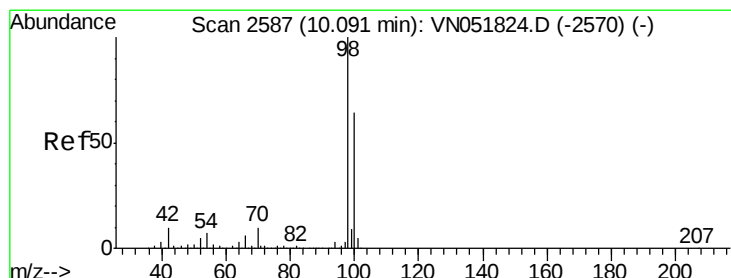
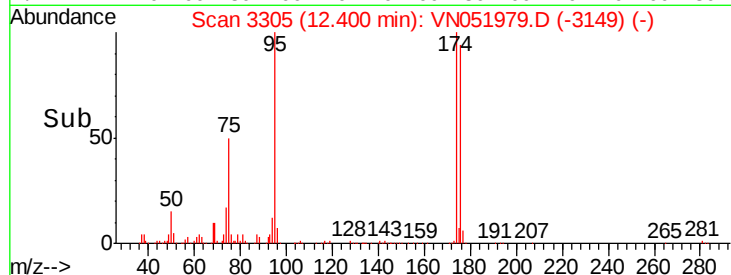
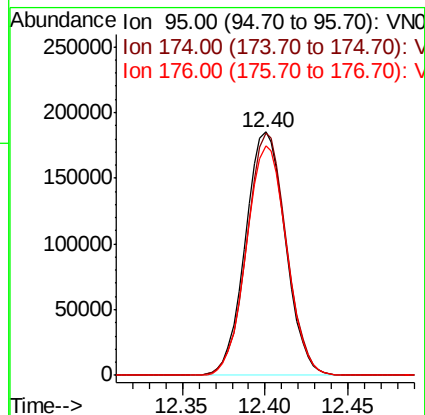
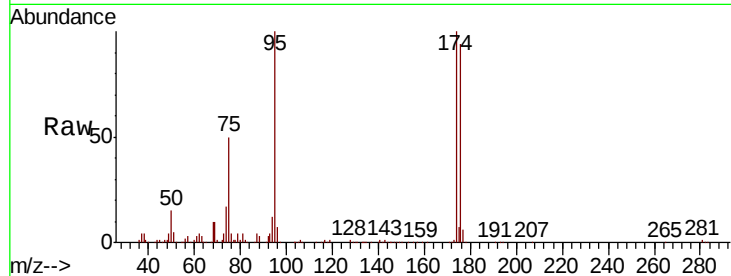
Tot Ion: 95 Resp: 311733

Ion Ratio Lower Upper

95 100

174 98.2 73.5 110.3

176 94.8 70.2 105.2



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN051979.D

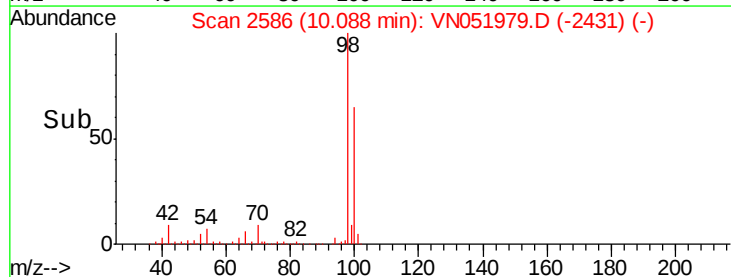
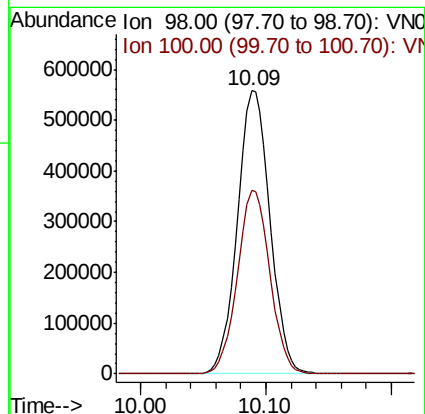
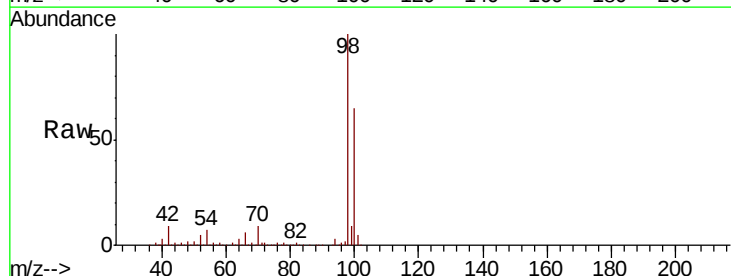
Acq: 24 Oct 2018 11:14

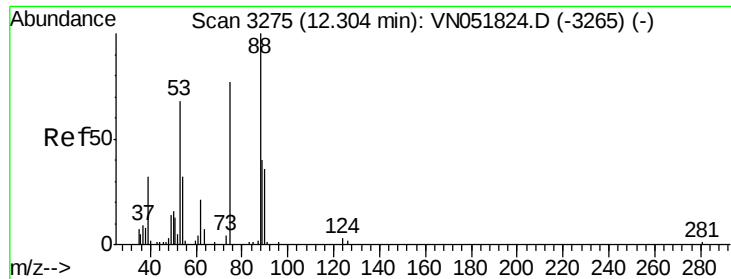
Tgt Ion: 98 Resp: 1008649

Ion Ratio Lower Upper

98 100

100 64.4 50.8 76.2





#77

t-1,4-Dichloro-2-butene

Concen: 65.011 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051979.D

Acq: 24 Oct 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBL02

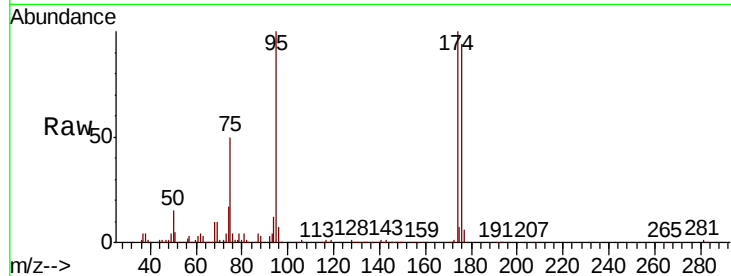
Tot Ion: 75 Resp: 153825

Ion Ratio Lower Upper

75 100

53 0.0 46.3 138.9#

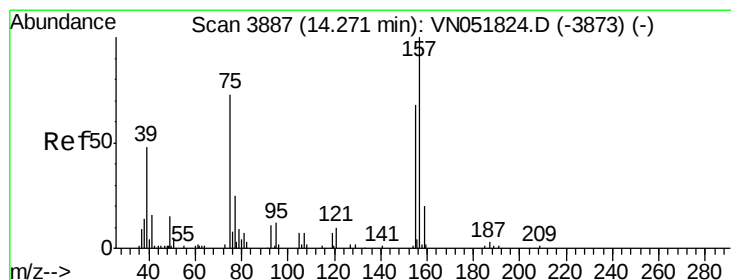
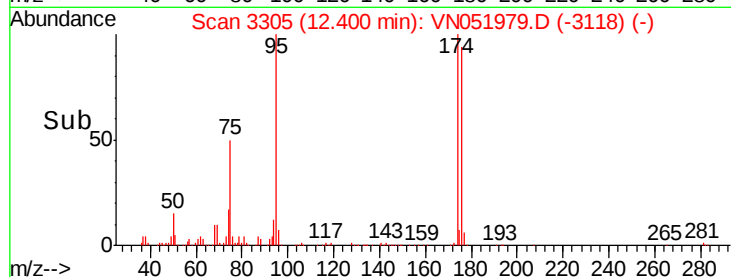
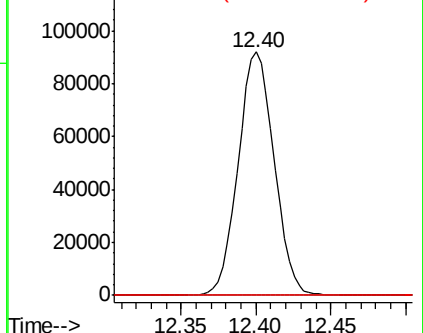
89 0.0 24.6 73.8#



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



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.325 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.39 min

Lab File: VN051979.D

Acq: 24 Oct 2018 11:14

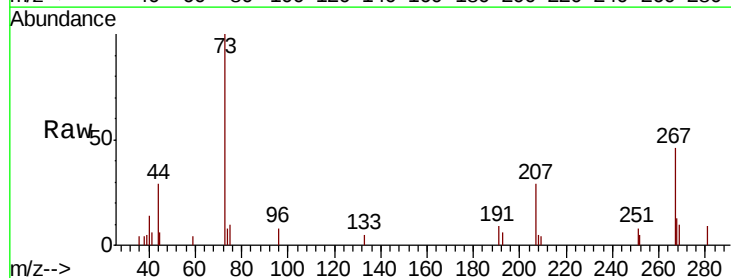
Tgt Ion: 75 Resp: 441

Ion Ratio Lower Upper

75 100

155 0.0 57.0 85.6#

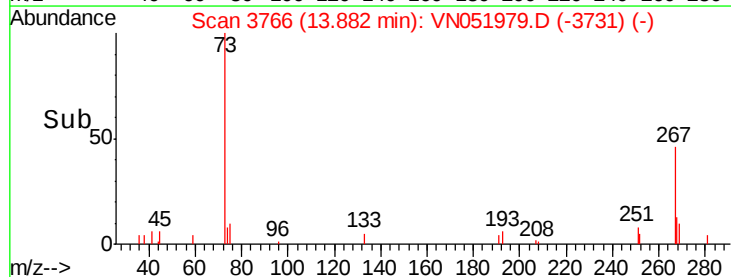
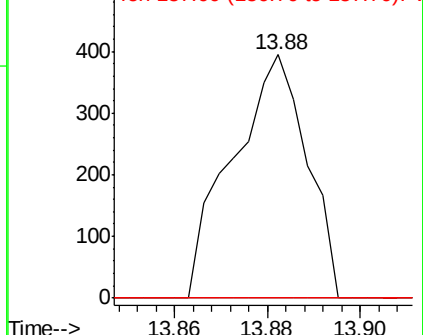
157 0.0 87.4 131.0#

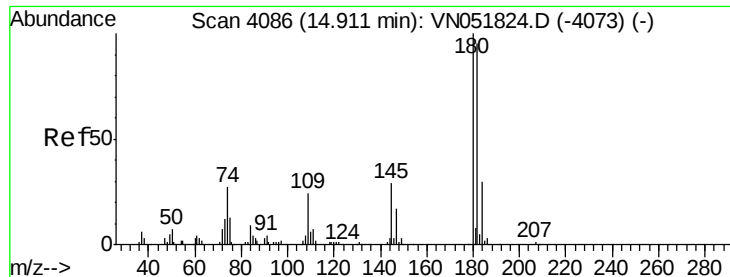


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

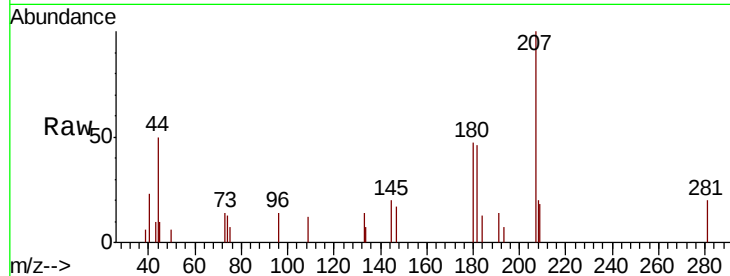




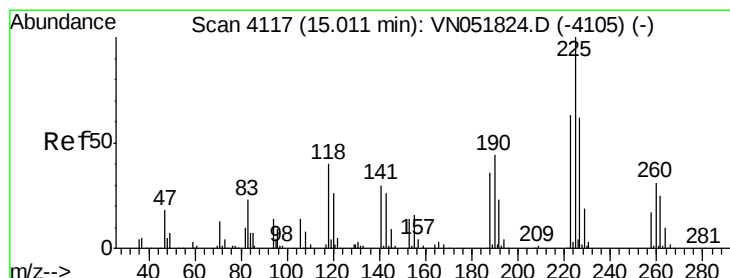
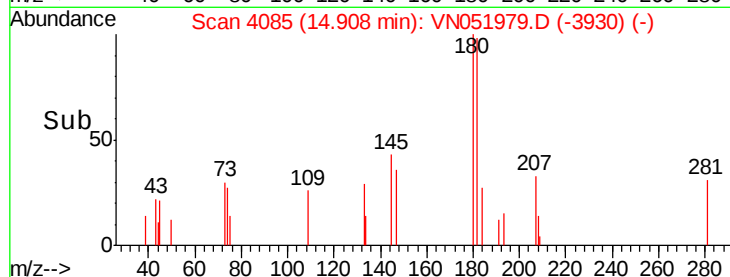
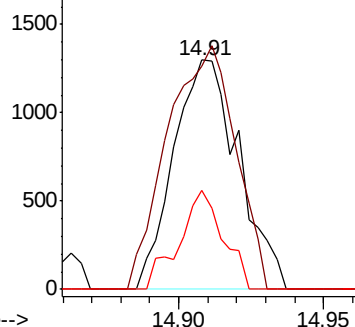
#89
 1,2,4-Trichlorobenzene
 Concen: 7.885 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051979.D
 Acq: 24 Oct 2018 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBL02

Tot Ion:180 Resp: 2024
 Ion Ratio Lower Upper
 180 100
 182 111.4 77.7 116.5
 145 24.0 23.4 35.2

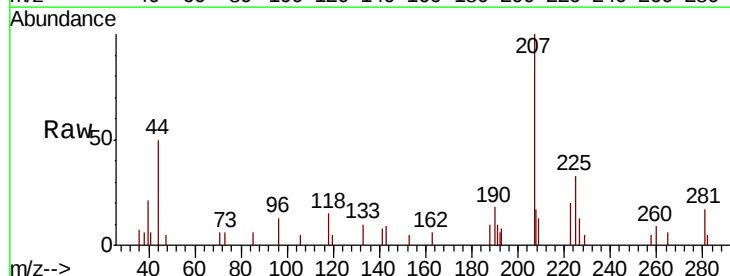


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

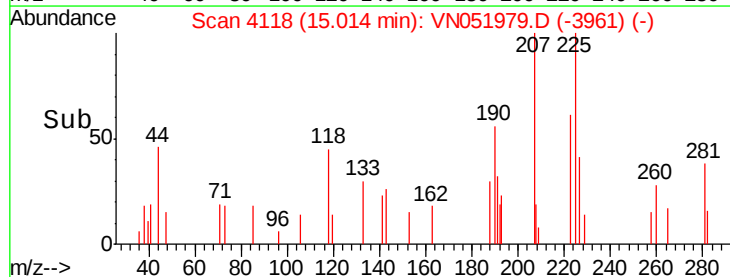
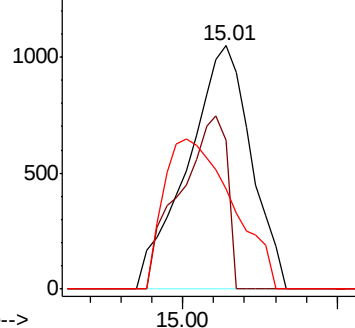


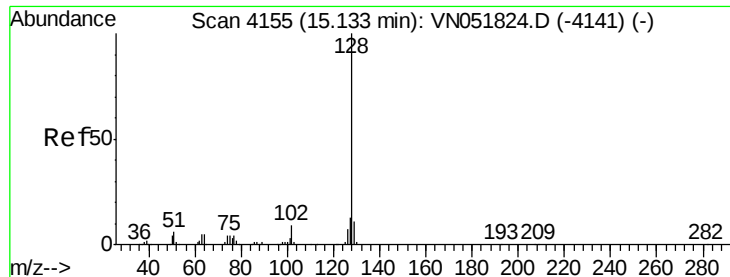
#90
 Hexachlorobutadiene
 Concen: 0.238 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN051979.D
 Acq: 24 Oct 2018 11:14

Tgt Ion:225 Resp: 1492
 Ion Ratio Lower Upper
 225 100
 223 53.3 0.0 117.0
 227 67.3 0.0 127.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

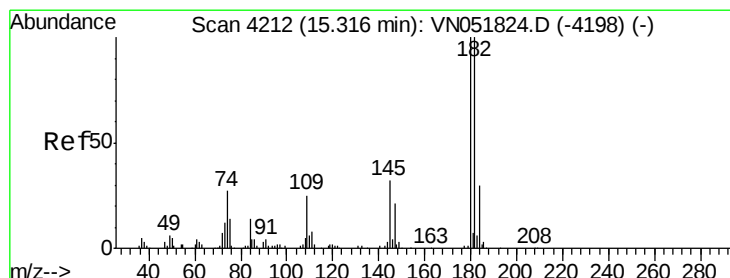
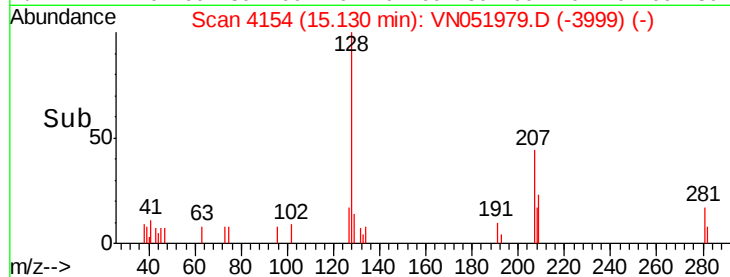
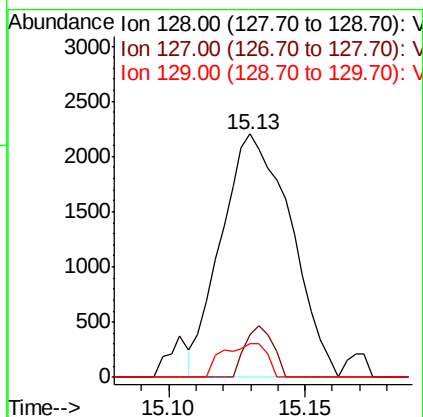
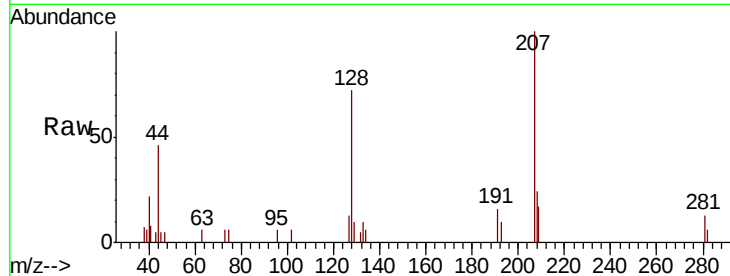




#91
Naphthalene
Concen: 8.680 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051979.D
Acq: 24 Oct 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL02

Tot Ion:128 Resp: 3898
Ion Ratio Lower Upper
128 100
127 8.3 10.1 15.1#
129 5.4 8.4 12.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.274 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051979.D
Acq: 24 Oct 2018 11:14

Tgt Ion:180 Resp: 2427
Ion Ratio Lower Upper
180 100
182 69.4 0.0 198.0
145 12.0 0.0 36.8

