

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052746.D
 Acq On : 10 Dec 2018 12:03
 Operator : MD\SY
 Sample : J6318-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 WEST-8TH-BOX-COVER-TEST-PIT

Quant Time: Dec 11 00:48:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	157435	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	908083	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	765050	30.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4		8.03	65	324137	30.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.73%	
60) 4-Bromofluorobenzene		12.40	95	329217	28.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.83%	
63) Toluene-d8		10.09	98	1052597	29.67	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.90%	

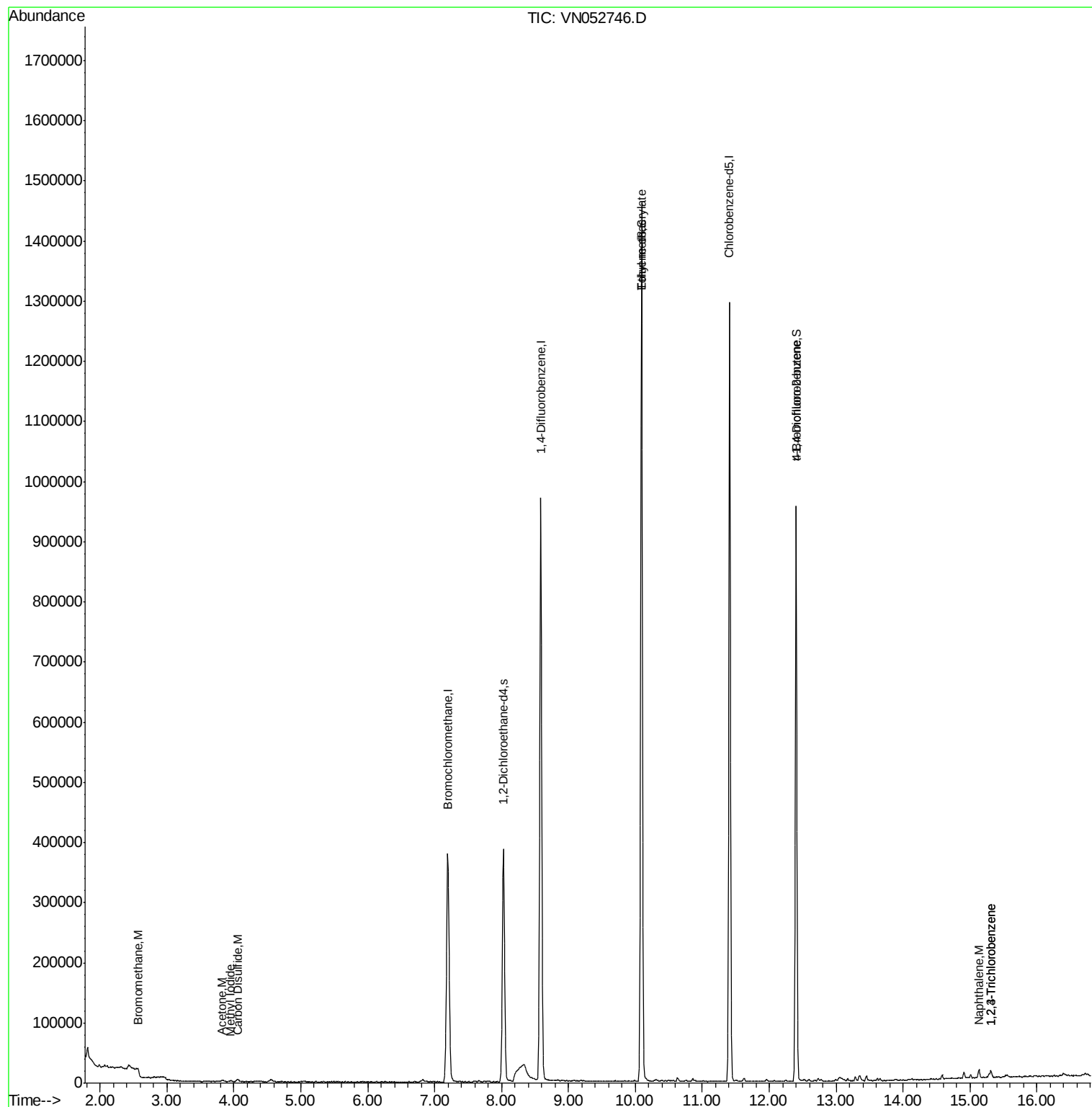
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Bromomethane	2.58	94	1515	0.221	ug/l	97
11) Methyl Iodide	3.96	142	2753	0.225	ug/l	100
15) Acetone	3.83	58	1439	1.738	ug/l #	20
16) Carbon Disulfide	4.06	76	6742	0.241	ug/l	99
51) Ethyl methacrylate	10.10	69	3182	0.296	ug/l	91
77) t-1,4-Dichloro-2-butene	12.40	75	156344	60.605	ug/l #	11
89) 1,2,4-Trichlorobenzene	15.32	180	4193	0.481	ug/l	96
91) Naphthalene	15.13	128	11797	0.670	ug/l	96
92) 1,2,3-Trichlorobenzene	15.32	180	4193	0.522	ug/l	97

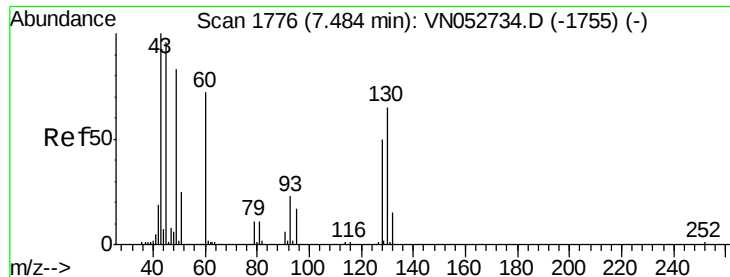
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 27 00:48:33 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: VN052746.D

Acq: 10 Dec 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

WEST-8TH-BOX-COVER-TEST-PIT

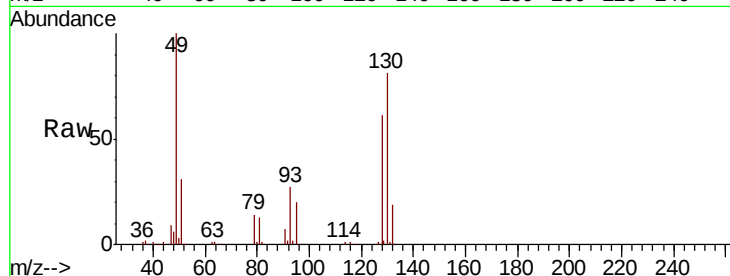
Tot Ion:128 Resp: 157435

Ion Ratio Lower Upper

128 100

49 163.1 0.0 431.8

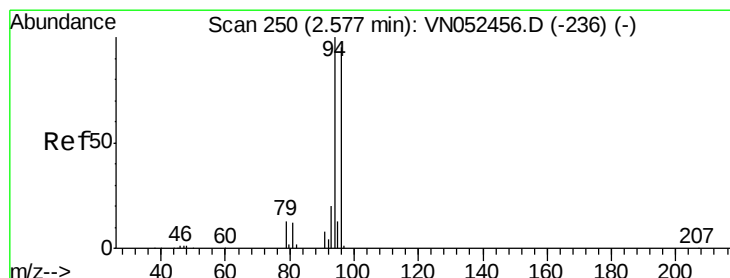
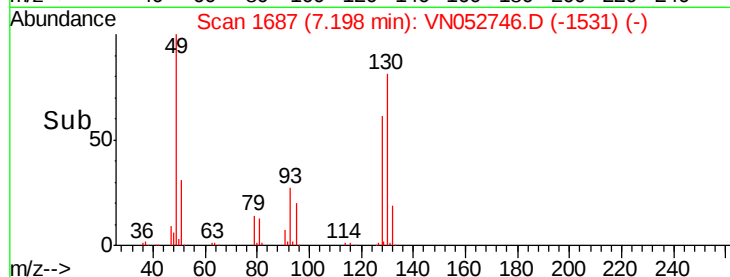
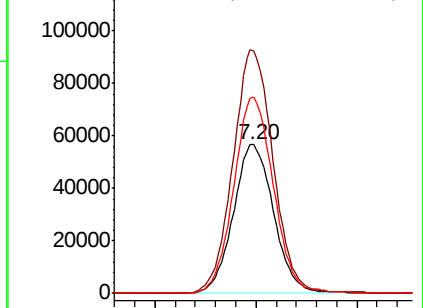
130 129.6 0.0 317.0



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



#5

Bromomethane

Concen: 0.221 ug/l

RT: 2.58 min Scan# 252

Delta R.T. 0.01 min

Lab File: VN052746.D

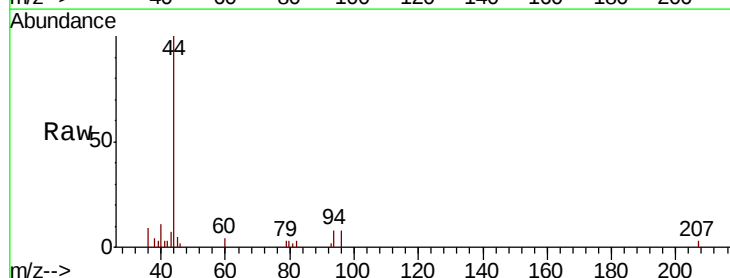
Acq: 10 Dec 2018 12:03

Tgt Ion: 94 Resp: 1515

Ion Ratio Lower Upper

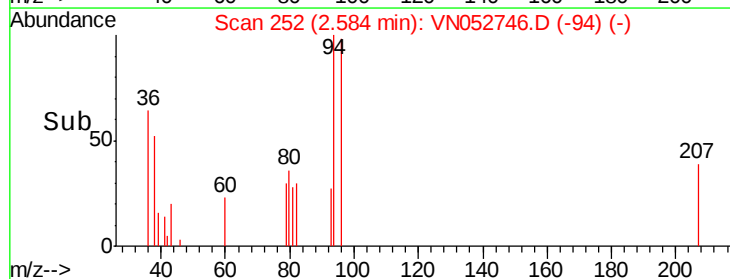
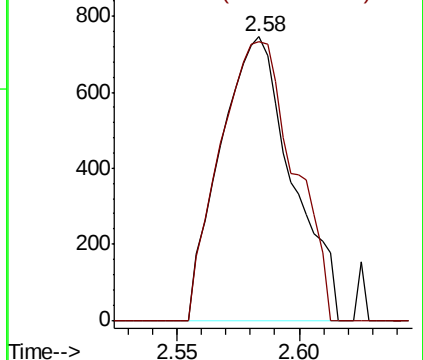
94 100

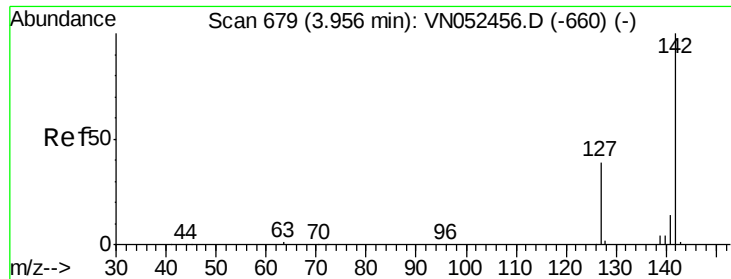
96 98.3 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN

Ion 96.00 (95.70 to 96.70): VN

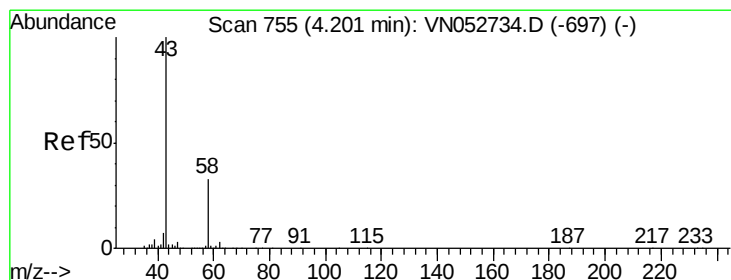
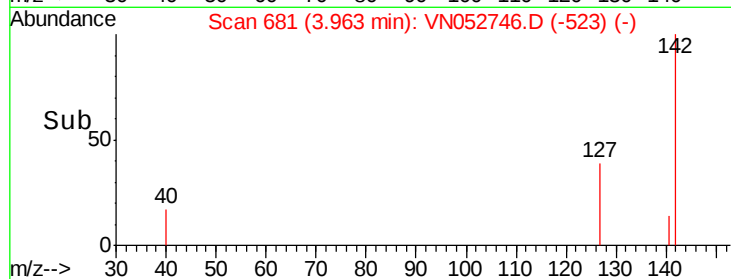
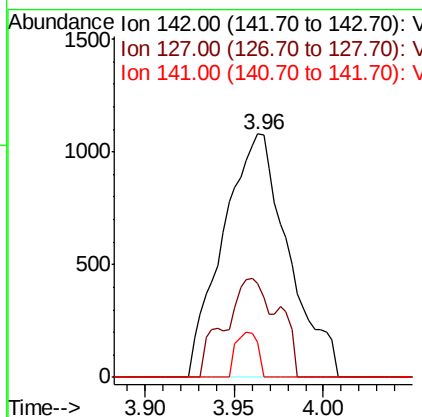
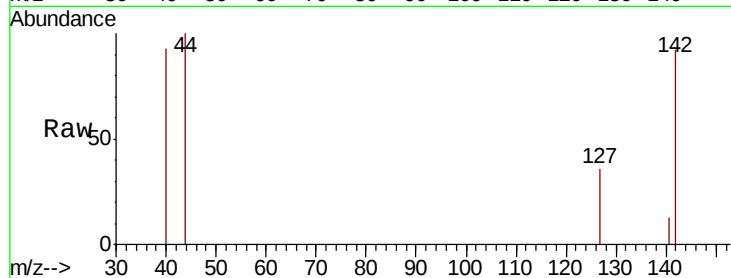




#11
Methvl Iodide
Concen: 0.225 ug/l
RT: 3.96 min Scan# 681
Delta R.T. 0.01 min
Lab File: VN052746.D
Acq: 10 Dec 2018 12:03

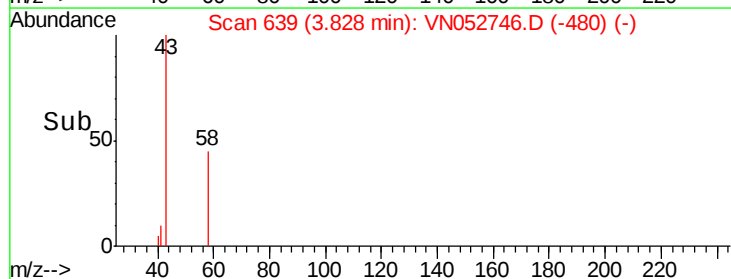
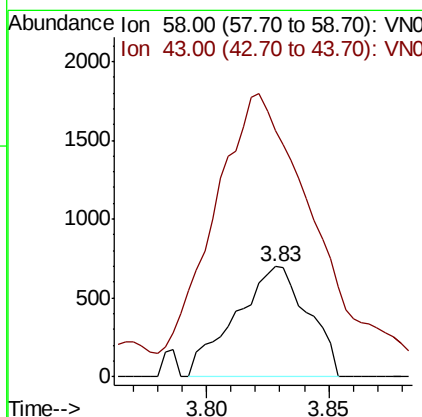
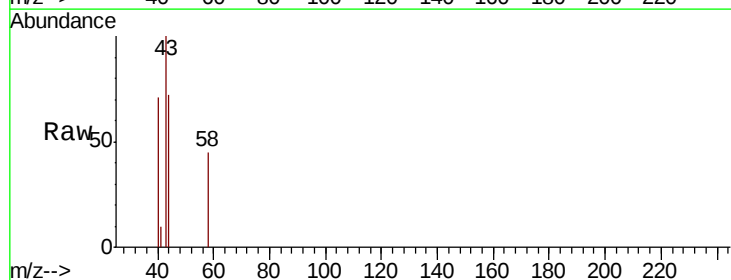
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MSVOA_N
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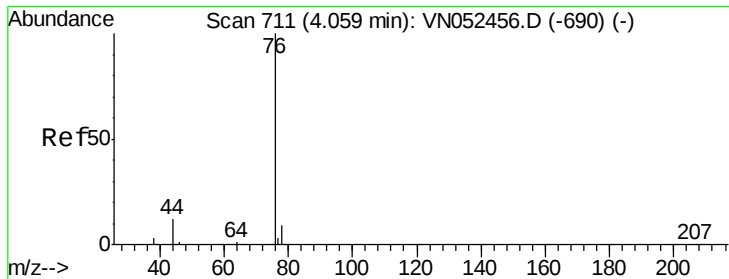
Tot Ion:142 Resp: 2753
Ion Ratio Lower Upper
142 100
127 38.6 19.4 58.1
141 14.4 7.2 21.6



#15
Acetone
Concen: 1.738 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN052746.D
Acq: 10 Dec 2018 12:03

Tgt Ion: 58 Resp: 1439
Ion Ratio Lower Upper
58 100
43 146.0 243.6 365.4#

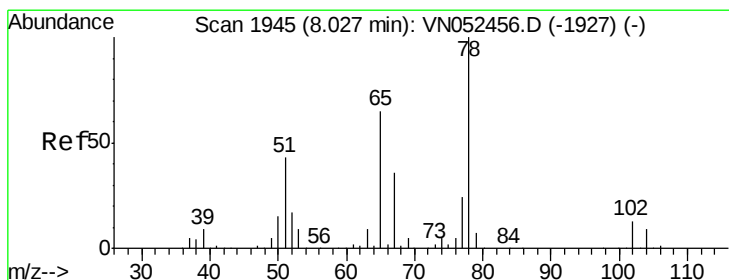
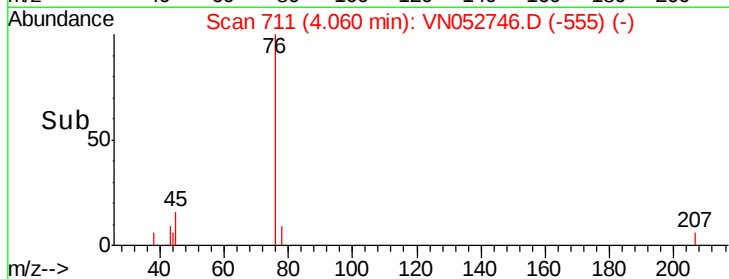
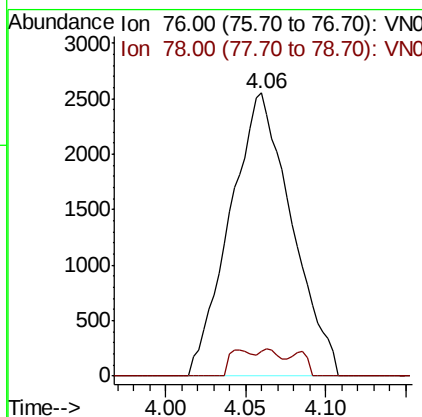
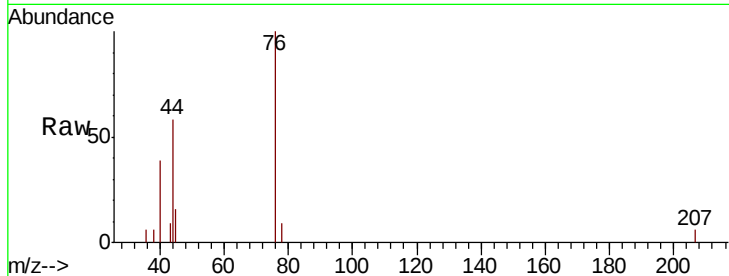




#16
Carbon Disulfide
Concen: 0.241 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052746.D
Acq: 10 Dec 2018 12:03

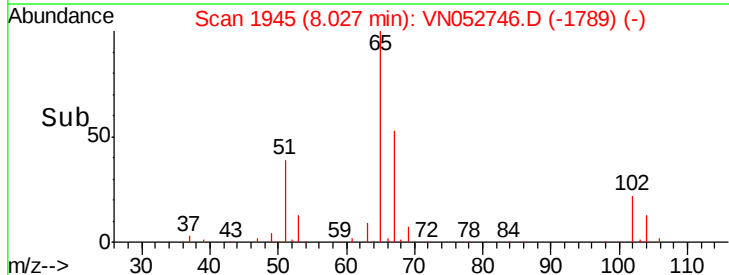
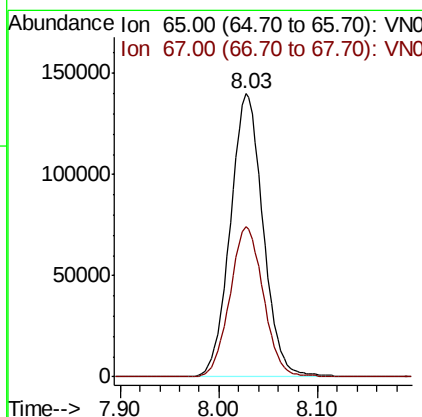
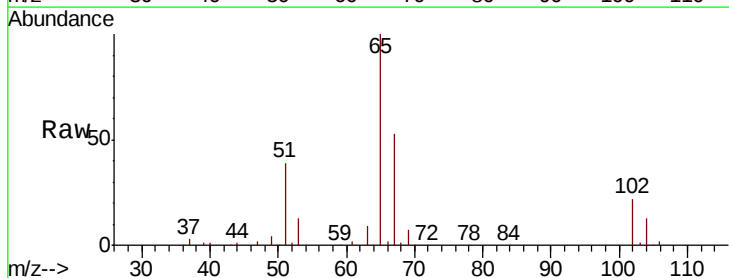
Instrument :
MSVOA_N
ClientSampleId :
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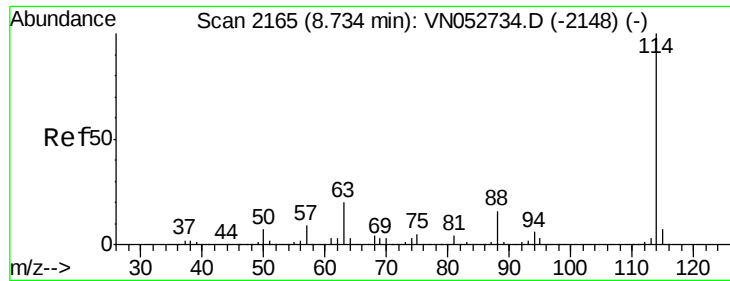
Tot Ion: 76 Resp: 6742
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052746.D
Acq: 10 Dec 2018 12:03

Tgt Ion: 65 Resp: 324137
Ion Ratio Lower Upper
65 100
67 54.1 44.6 66.8

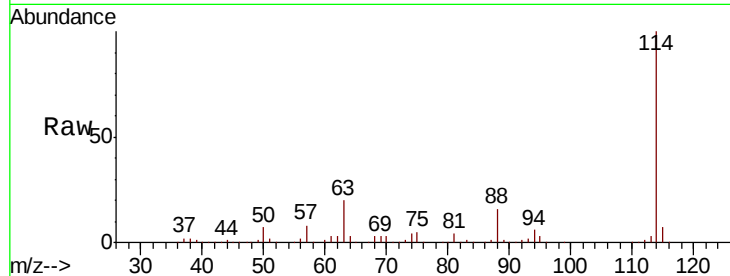




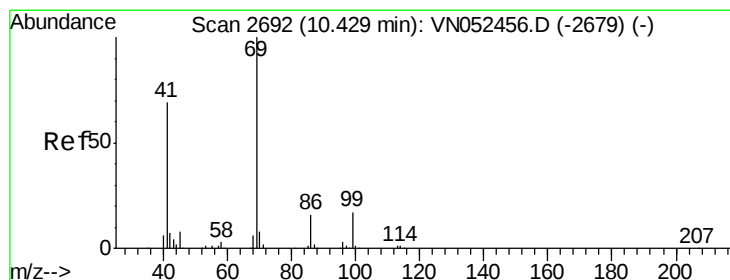
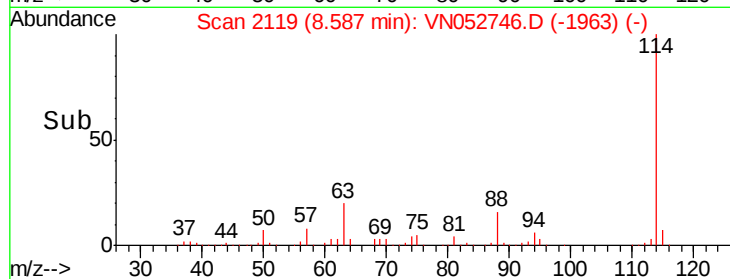
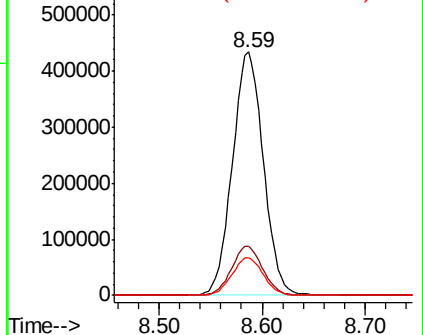
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052746.D
 Acq: 10 Dec 2018 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 WEST-8TH-BOX-COVER-TEST-PIT

Tot Ion:114 Resp: 908083
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.9 25.3
 88 15.6 12.8 19.2

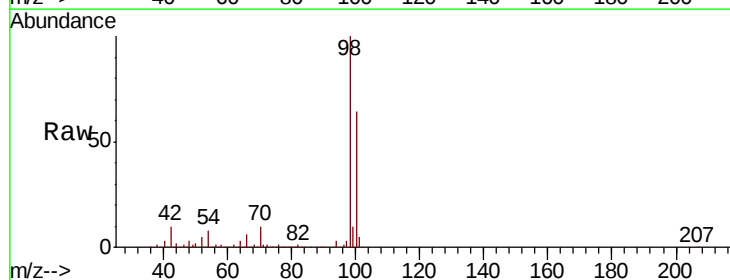


Abundance Ion 114.00 (113.70 to 114.70): VN052734.D (-2148) (-)
 Ion 63.00 (62.70 to 63.70): VN052734.D (-2148) (-)
 Ion 88.00 (87.70 to 88.70): VN052734.D (-2148) (-)

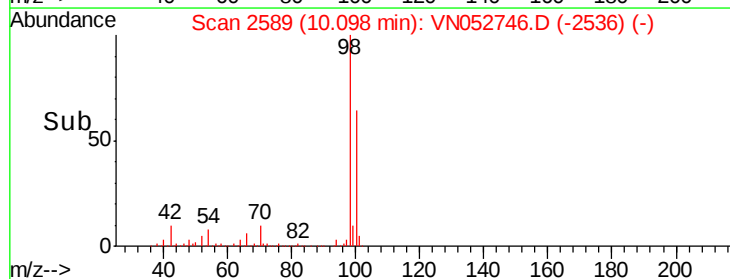
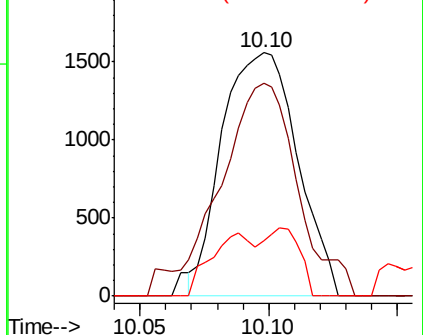


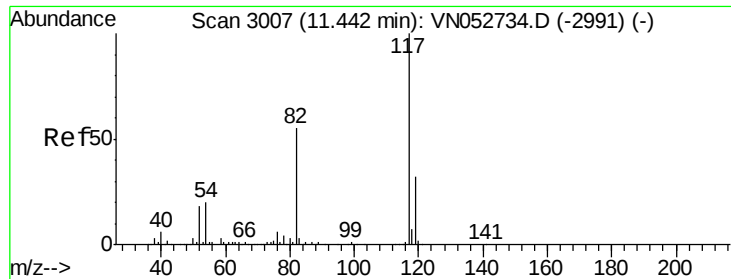
#51
 Ethyl methacrylate
 Concen: 0.296 ug/l
 RT: 10.10 min Scan# 2589
 Delta R.T. -0.33 min
 Lab File: VN052746.D
 Acq: 10 Dec 2018 12:03

Tgt Ion: 69 Resp: 3182
 Ion Ratio Lower Upper
 69 100
 41 72.9 34.4 103.3
 39 22.5 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN052456.D (-2679) (-)
 Ion 41.00 (40.70 to 41.70): VN052456.D (-2679) (-)
 Ion 39.00 (38.70 to 39.70): VN052456.D (-2679) (-)

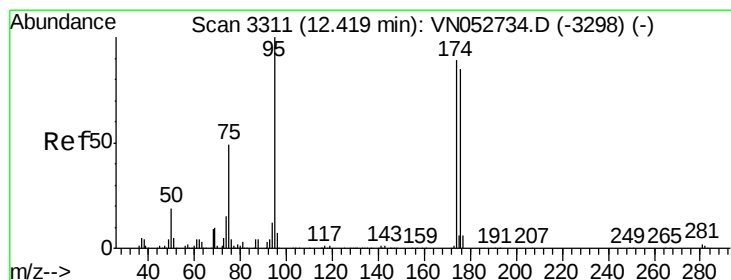
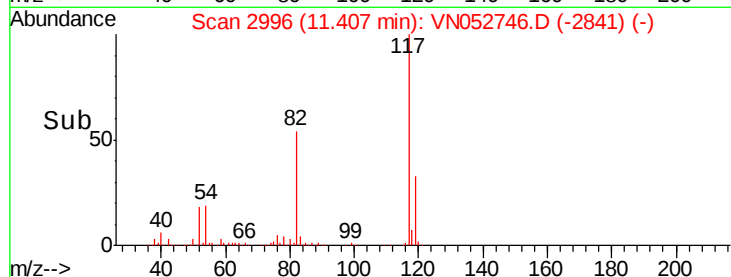
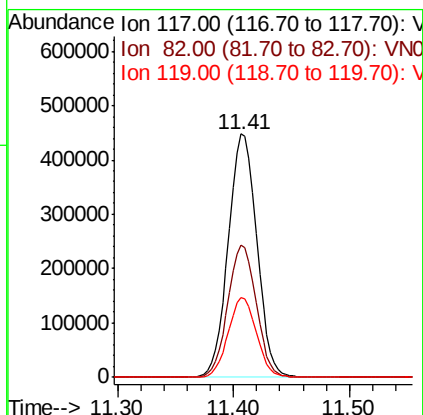
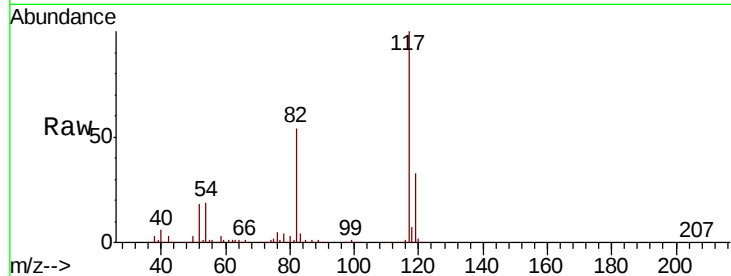




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052746.D
Acq: 10 Dec 2018 12:03

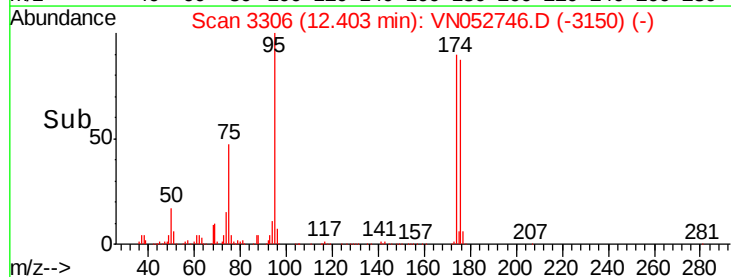
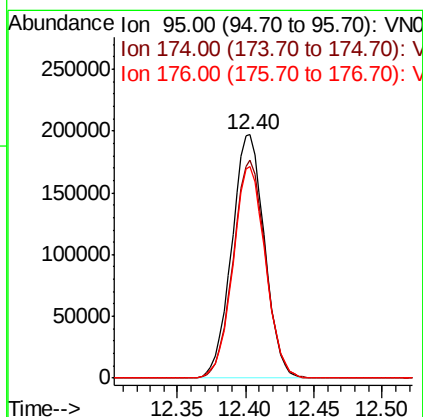
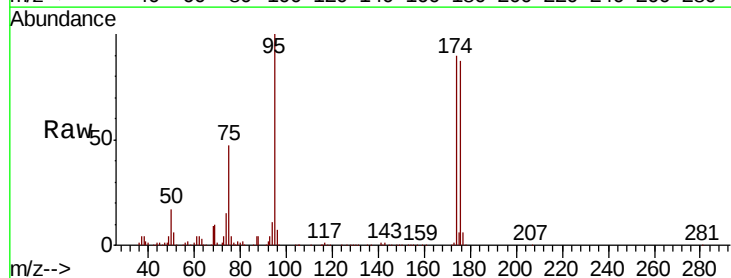
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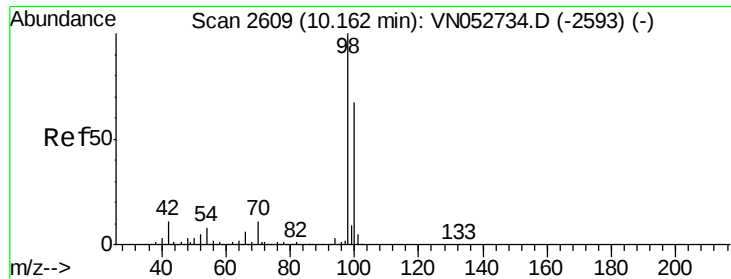
Tot Ion:117 Resp: 765050
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 32.5 25.4 38.2



#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052746.D
Acq: 10 Dec 2018 12:03

Tgt Ion: 95 Resp: 329217
Ion Ratio Lower Upper
95 100
174 88.5 67.9 101.9
176 86.0 66.4 99.6





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052746.D

Acq: 10 Dec 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

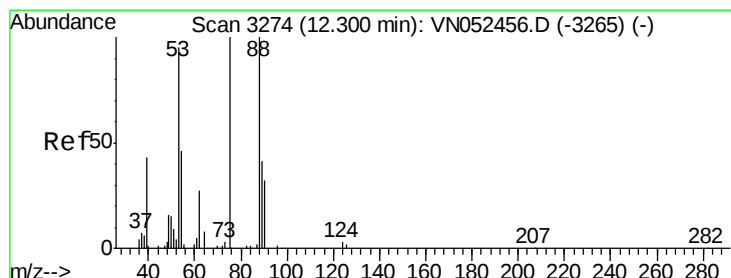
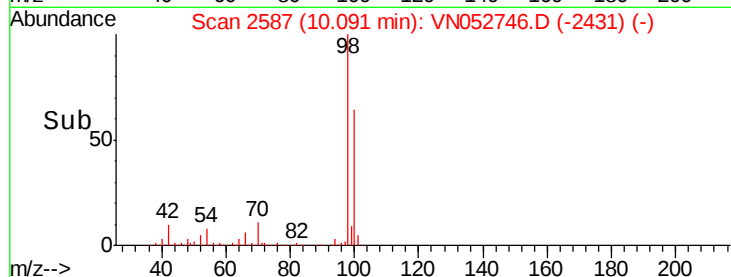
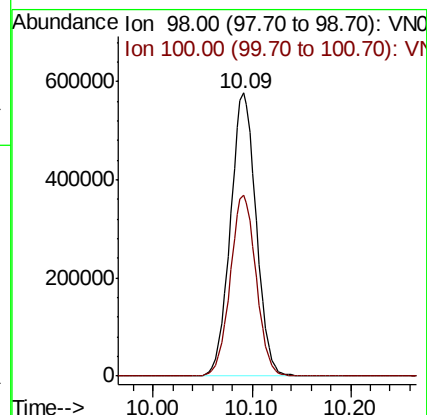
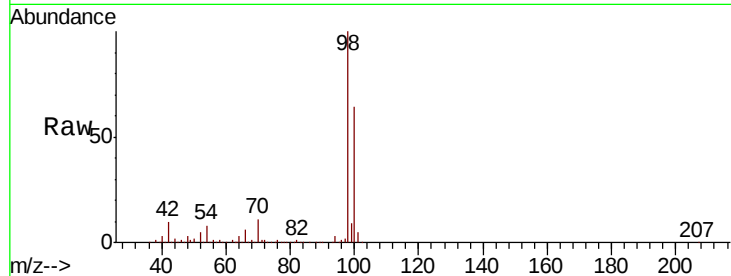
WEST-8TH-BOX-COVER-TEST-PIT

Tot Ion: 98 Resp: 1052597

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



#77

t-1,4-Dichloro-2-butene

Concen: 60.605 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052746.D

Acq: 10 Dec 2018 12:03

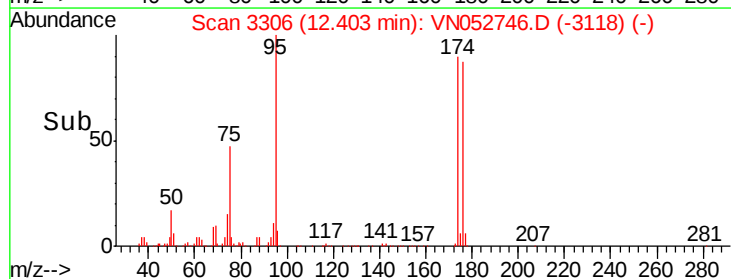
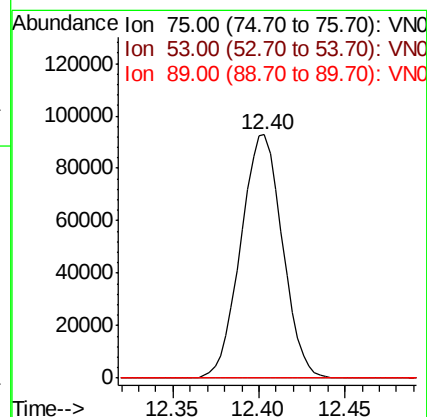
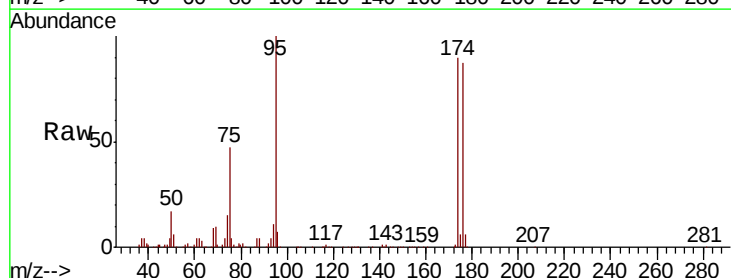
Tgt Ion: 75 Resp: 156344

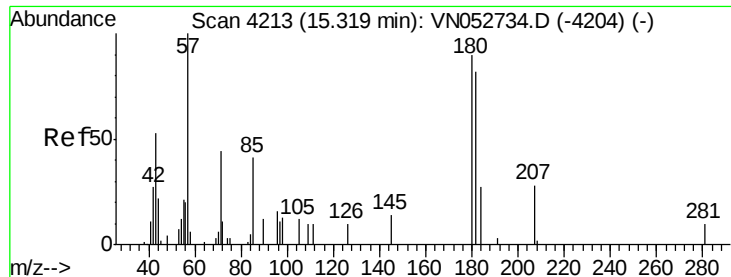
Ion Ratio Lower Upper

75 100

53 0.0 48.5 145.6#

89 0.0 21.7 65.1#

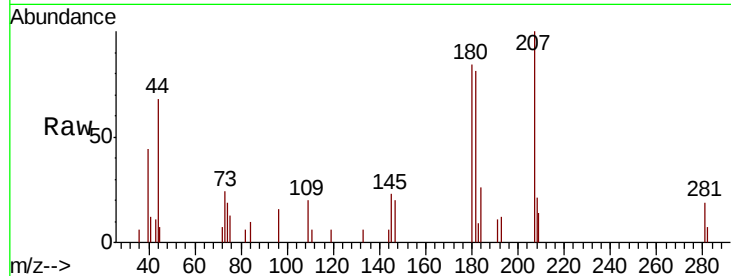




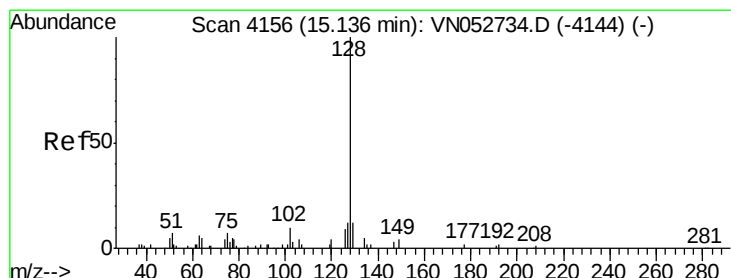
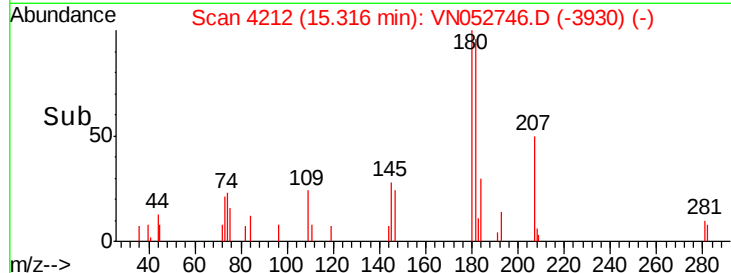
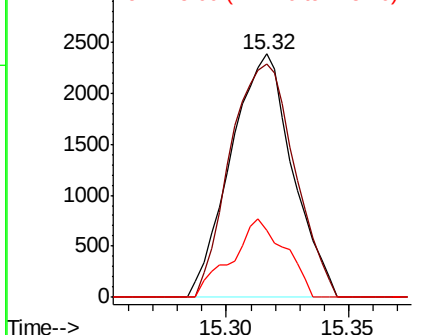
#89
 1,2,4-Trichlorobenzene
 Concen: 0.481 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.41 min
 Lab File: VN052746.D
 Acq: 10 Dec 2018 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 WEST-8TH-BOX-COVER-TEST-PIT

Tot Ion:180 Resp: 4193
 Ion Ratio Lower Upper
 180 100
 182 99.8 76.6 114.8
 145 27.8 23.6 35.4

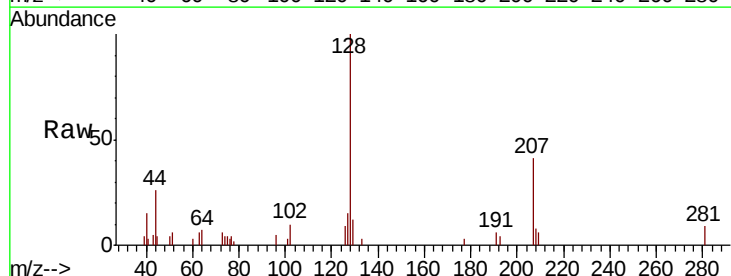


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

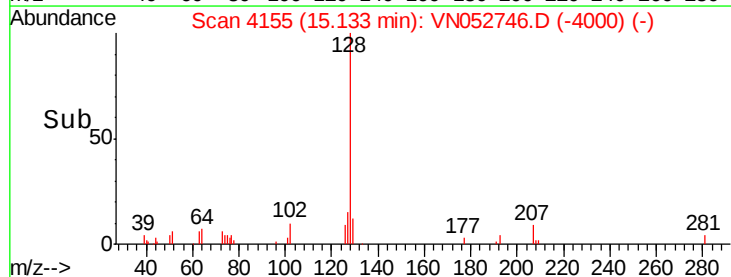
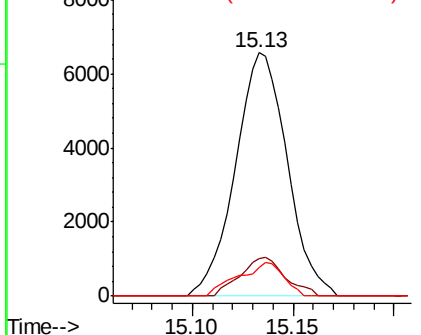


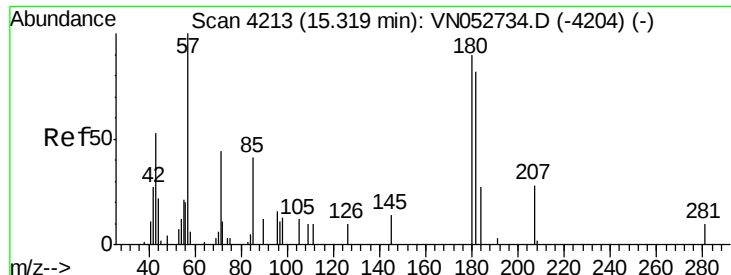
#91
 Naphthalene
 Concen: 0.670 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN052746.D
 Acq: 10 Dec 2018 12:03

Tgt Ion:128 Resp: 11797
 Ion Ratio Lower Upper
 128 100
 127 13.7 9.9 14.9
 129 12.2 8.5 12.7



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

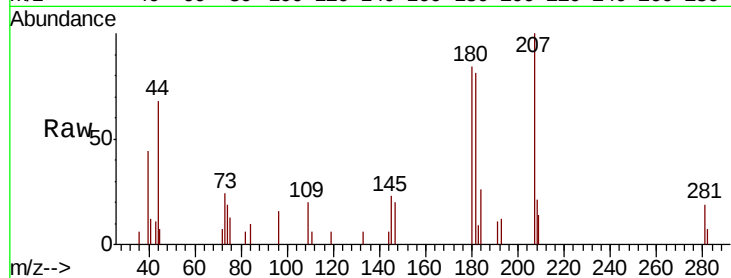




#92
 1,2,3-Trichlorobenzene
 Concen: 0.522 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052746.D
 Acq: 10 Dec 2018 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 WEST-8TH-BOX-COVER-TEST-PIT

Tot Ion:180 Resp: 4193
 Ion Ratio Lower Upper
 180 100
 182 99.8 0.0 196.2
 145 27.8 0.0 62.2



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

