

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051746.D
 Acq On : 9 Oct 2018 12:53
 Operator : MD\SY
 Sample : J5330-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
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Quant Time: Oct 10 03:27:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	111289	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	614195	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	497993	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	223138	28.89	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.30%
60) 4-Bromofluorobenzene	12.40	95	169886	22.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	74.53%
63) Toluene-d8	10.09	98	695253	31.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.80%

Target Compounds

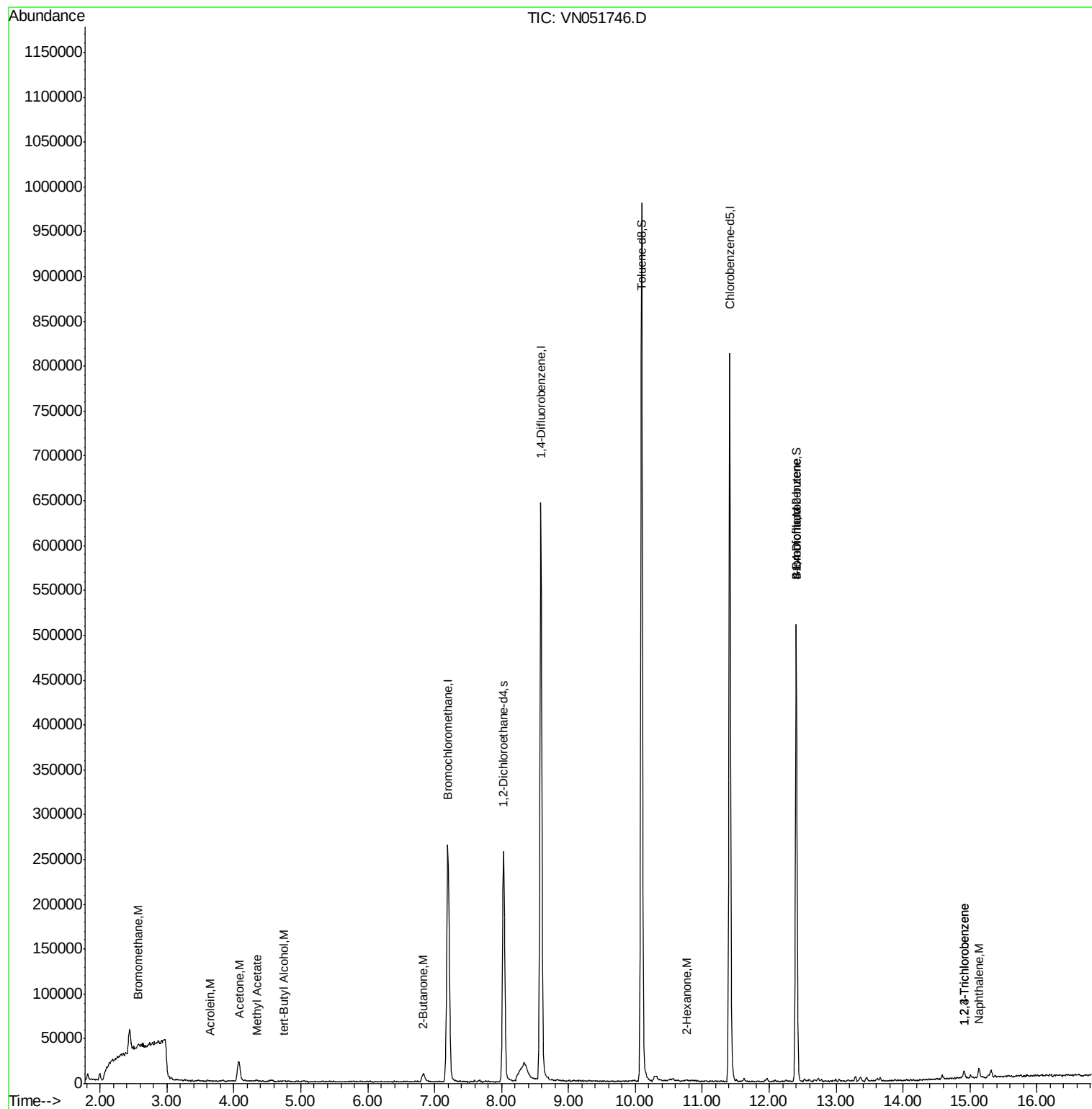
					Ovalue
5) Bromomethane	2.57	94	3347	0.444 ug/l	96
12) Methyl Acetate	4.34	43	2312	0.564 ug/l	97
13) Acrolein	3.64	56	130	0.431 ug/l	98
15) Acetone	4.09	58	167	0.417 ug/l	97
23) tert-Butyl Alcohol	4.74	59	213	0.493 ug/l #	100
30) 2-Butanone	6.84	43	422	0.212 ug/l #	52
56) Bromoform	12.41	173	1398	0.252 ug/l #	1
59) 2-Hexanone	10.76	43	1227	0.443 ug/l #	71
77) t-1,4-Dichloro-2-butene	12.40	75	91358	48.897 ug/l #	12
89) 1,2,4-Trichlorobenzene	14.91	180	3133	7.237 ug/l	90
91) Naphthalene	15.13	128	8983	0.750 ug/l	97
92) 1,2,3-Trichlorobenzene	14.91	180	3133	0.573 ug/l	87

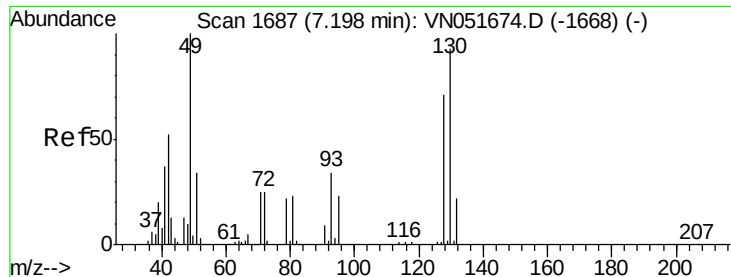
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
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Quant Time: Oct 10 03:27:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051746.D

Acq: 9 Oct 2018 12:53

Instrument :

MSVOA_N

ClientSampled :

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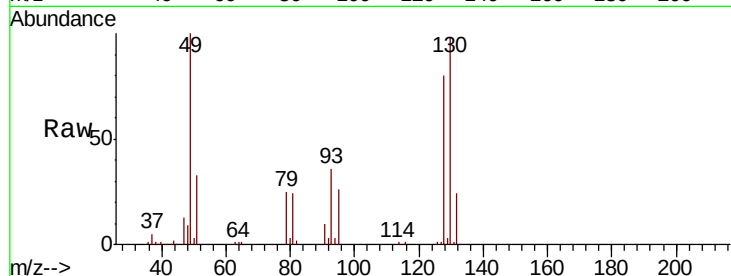
Tot Ion:128 Resp: 111289

Ion Ratio Lower Upper

128 100

49 126.9 0.0 403.3

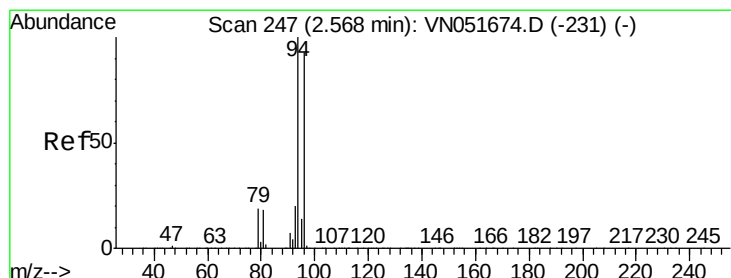
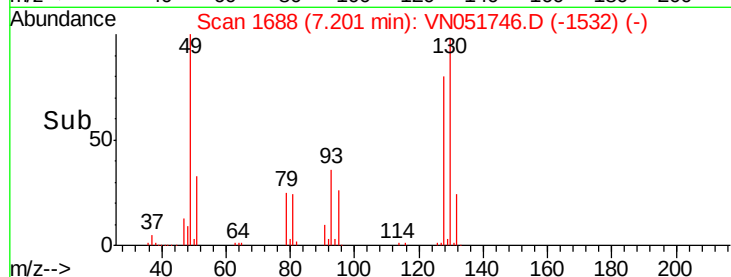
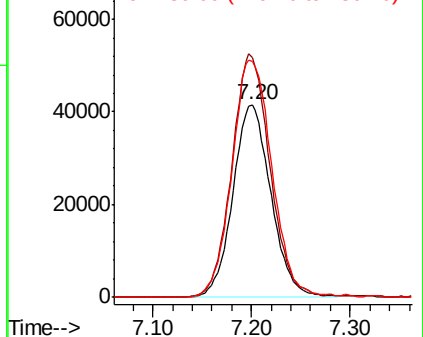
130 129.2 0.0 326.0



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



#5

Bromomethane

Concen: 0.444 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051746.D

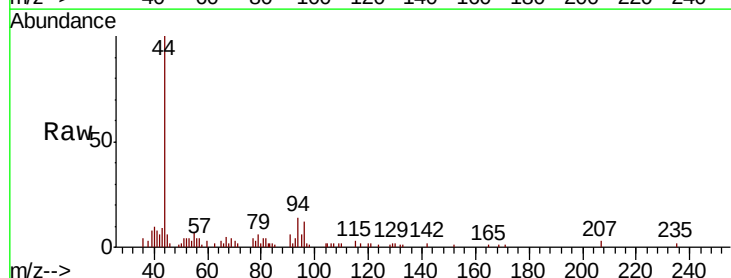
Acq: 9 Oct 2018 12:53

Tgt Ion: 94 Resp: 3347

Ion Ratio Lower Upper

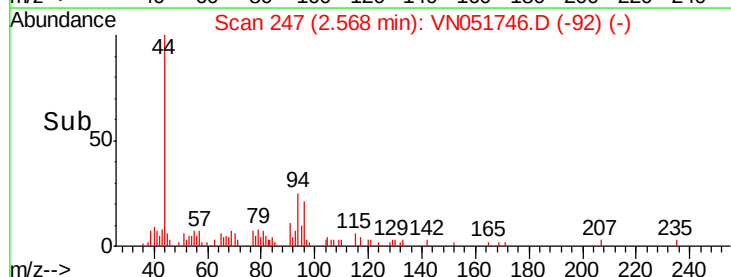
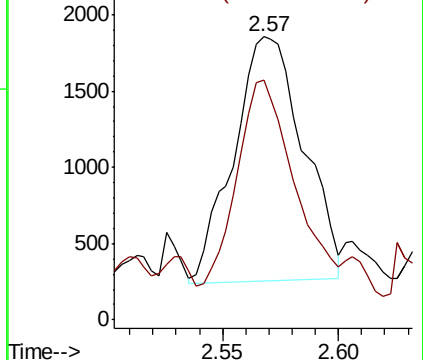
94 100

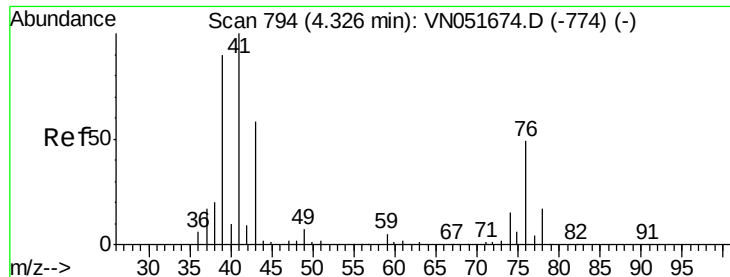
96 79.2 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

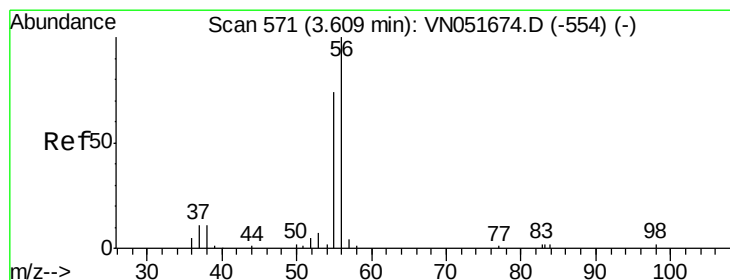
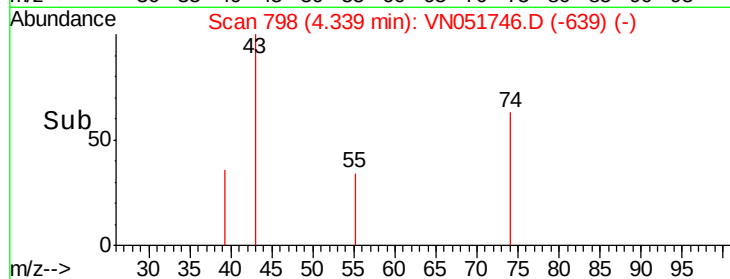
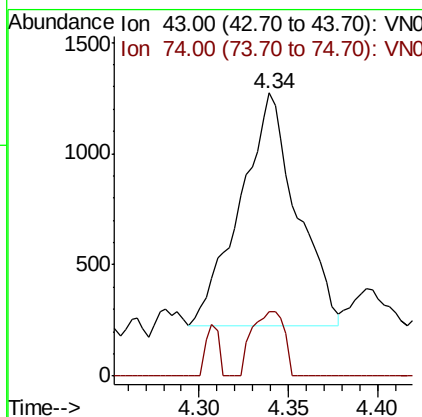
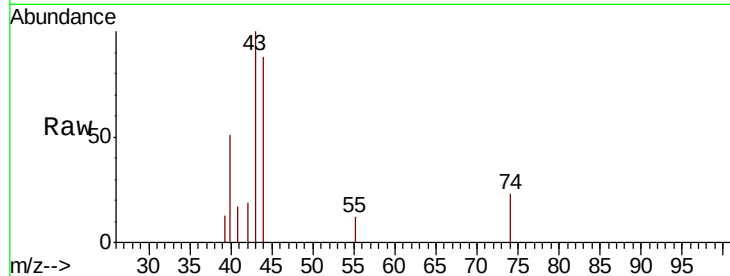




#12
Methvl Acetate
Concen: 0.564 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN051746.D
Acq: 9 Oct 2018 12:53

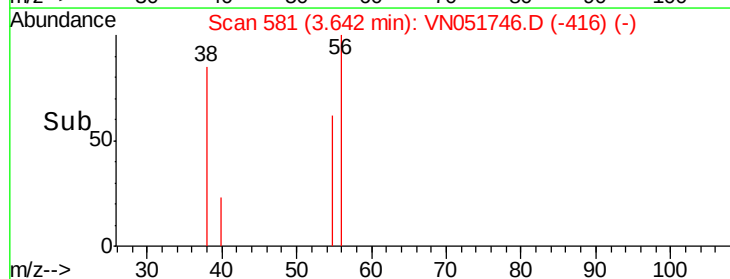
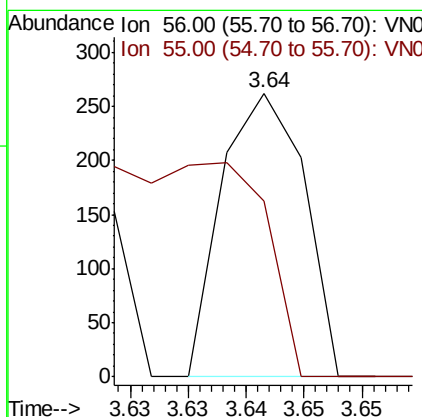
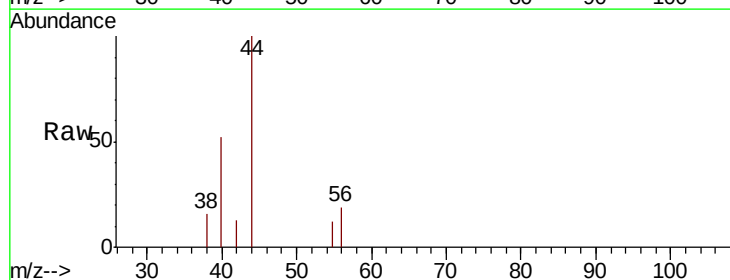
Instrument :
MSVOA_N
ClientSampled :
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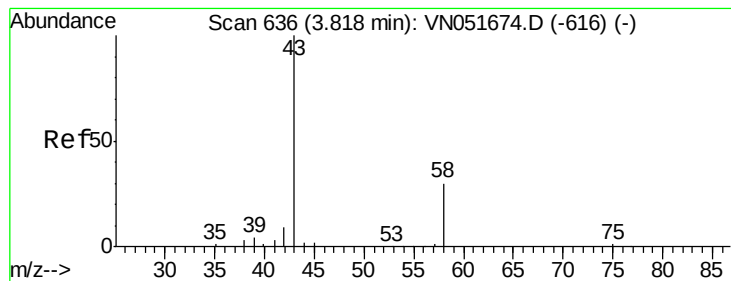
Tot Ion: 43 Resp: 2312
Ion Ratio Lower Upper
43 100
74 28.7 21.8 32.6



#13
Acrolein
Concen: 0.431 ug/l
RT: 3.64 min Scan# 581
Delta R.T. 0.03 min
Lab File: VN051746.D
Acq: 9 Oct 2018 12:53

Tgt Ion: 56 Resp: 130
Ion Ratio Lower Upper
56 100
55 81.5 64.0 96.0





#15

Acetone

Concen: 0.417 ug/l

RT: 4.09 min Scan# 720

Delta R.T. 0.27 min

Lab File: VN051746.D

Acq: 9 Oct 2018 12:53

Instrument :

MSVOA_N

ClientSampleId :

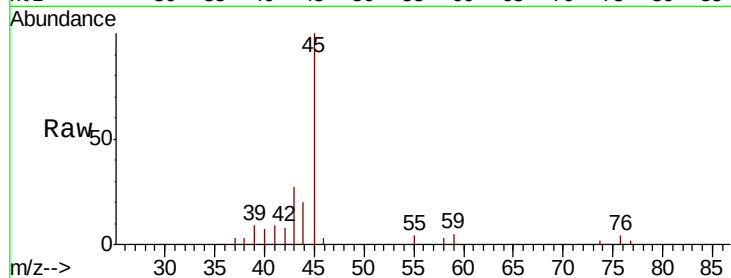
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Tot Ion: 58 Resp: 167

Ion Ratio Lower Upper

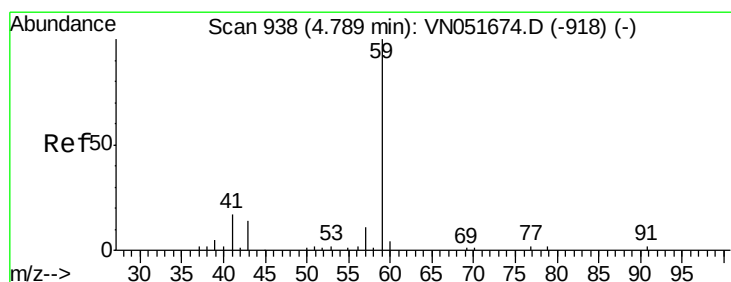
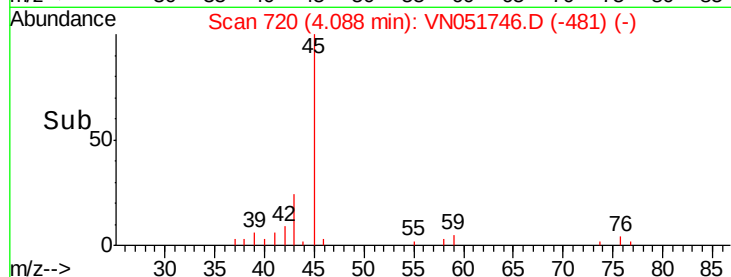
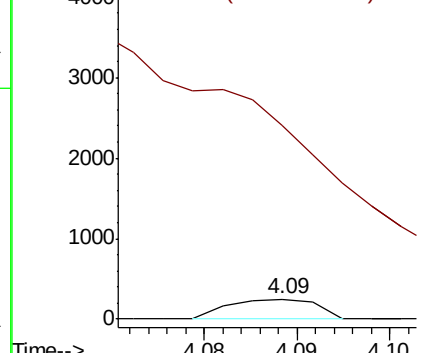
58 100

43 283.7 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#23

tert-Butyl Alcohol

Concen: 0.493 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.05 min

Lab File: VN051746.D

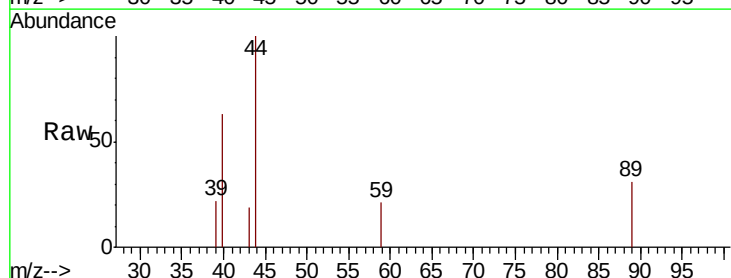
Acq: 9 Oct 2018 12:53

Tgt Ion: 59 Resp: 213

Ion Ratio Lower Upper

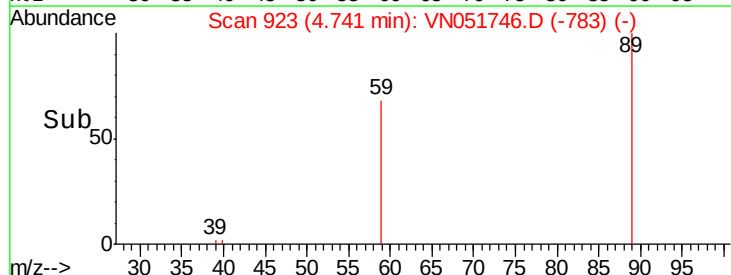
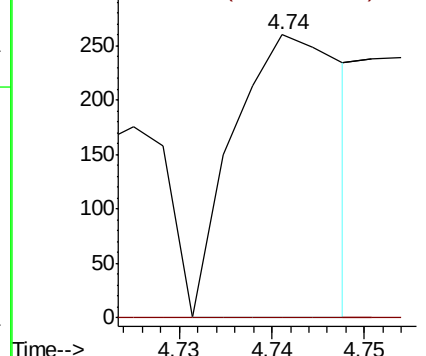
59 100

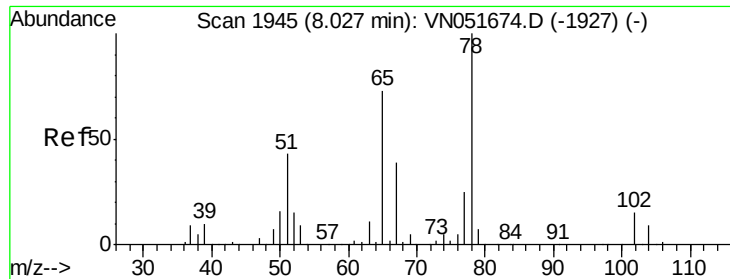
52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

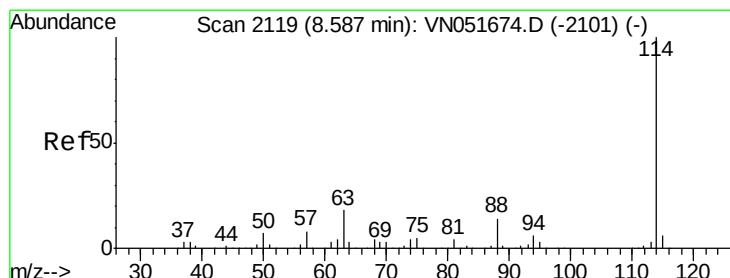
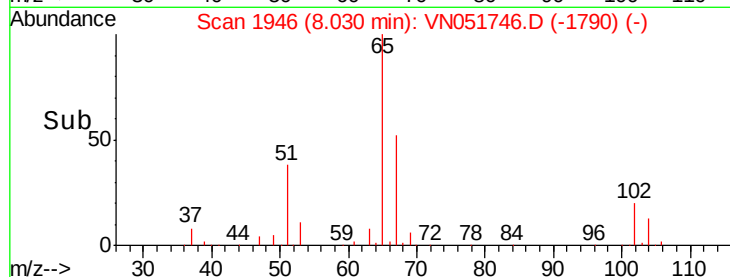
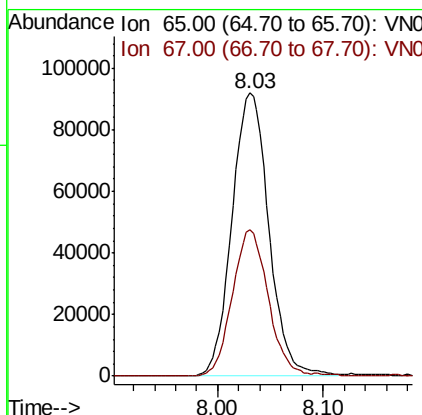
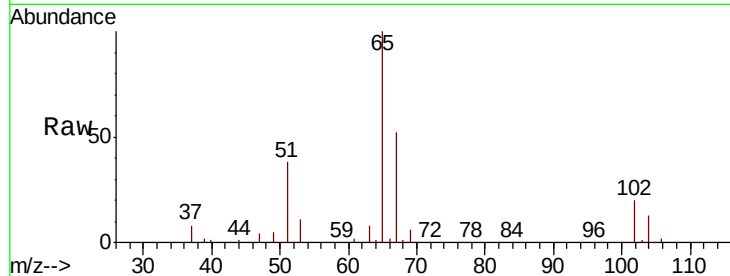




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051746.D
 Acq: 9 Oct 2018 12:53

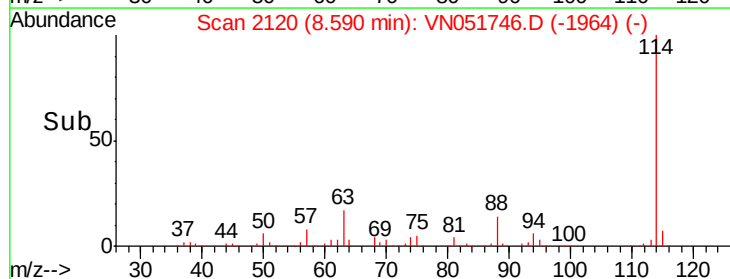
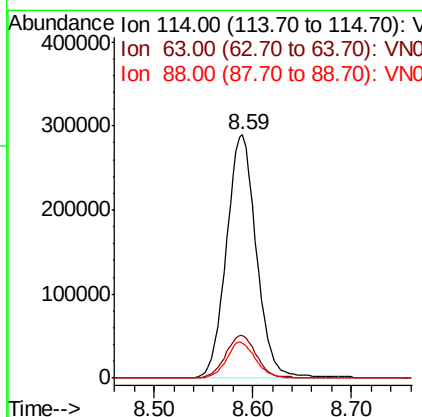
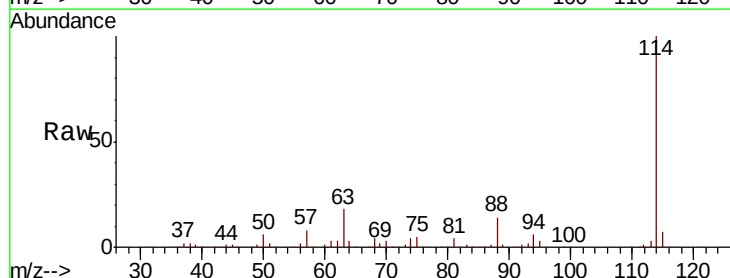
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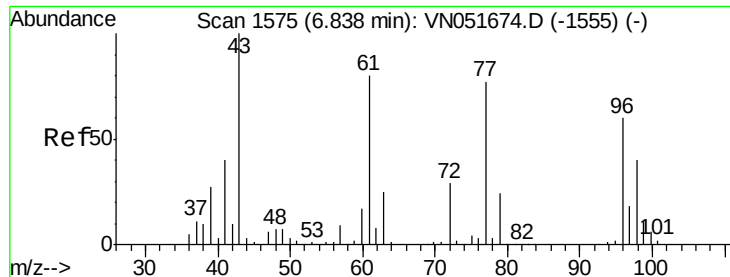
Tot Ion: 65 Resp: 223138
 Ion Ratio Lower Upper
 65 100
 67 50.3 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051746.D
 Acq: 9 Oct 2018 12:53

Tgt Ion: 114 Resp: 614195
 Ion Ratio Lower Upper
 114 100
 63 18.0 16.2 24.2
 88 14.4 12.2 18.4

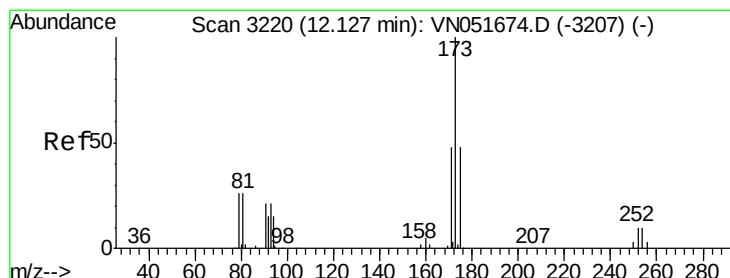
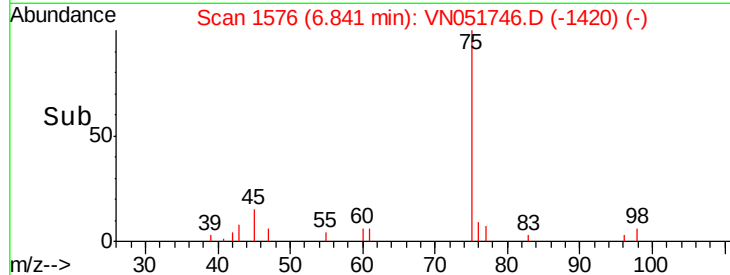
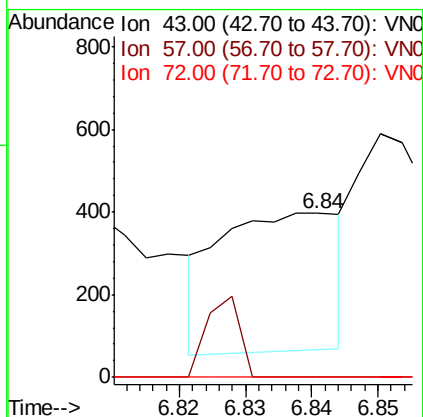
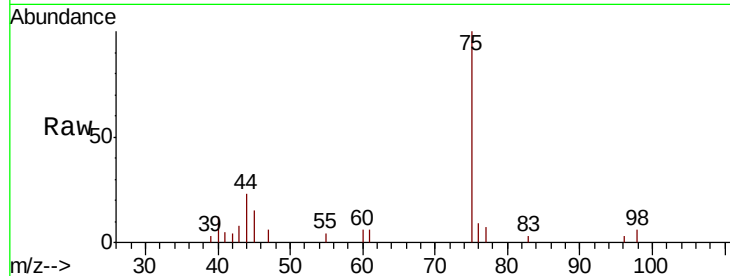




#30
2-Butanone
Concen: 0.212 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051746.D
Acq: 9 Oct 2018 12:53

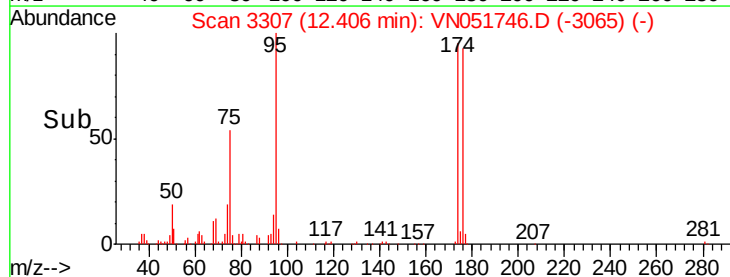
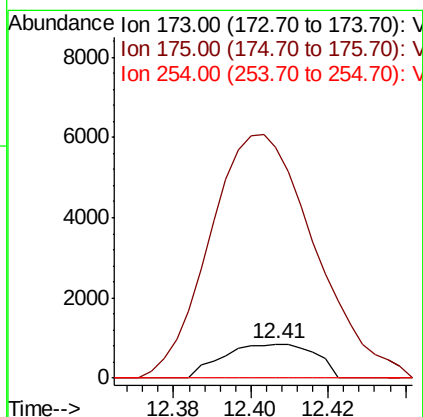
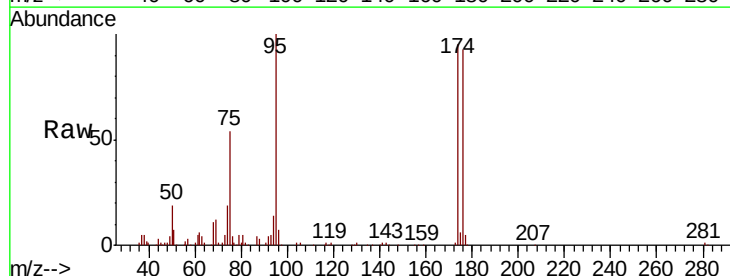
Instrument :
MSVOA_N
ClientSampleId :
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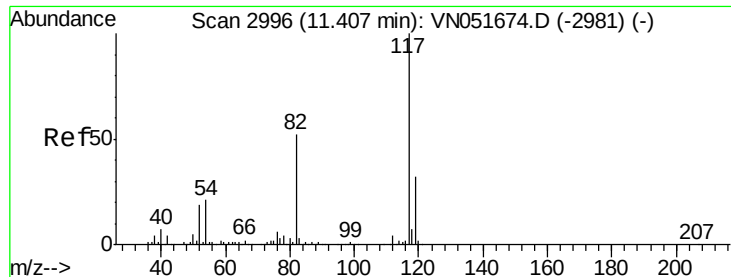
Tot Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
57 16.1 4.5 6.7#
72 0.0 21.5 32.3#



#56
Bromoform
Concen: 0.252 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN051746.D
Acq: 9 Oct 2018 12:53

Tgt Ion: 173 Resp: 1398
Ion Ratio Lower Upper
173 100
175 818.5 35.8 53.8#
254 0.0 8.6 13.0#

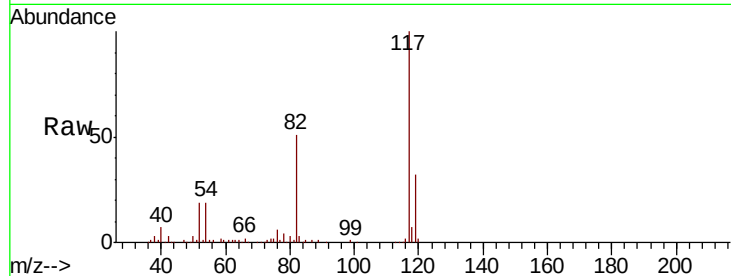




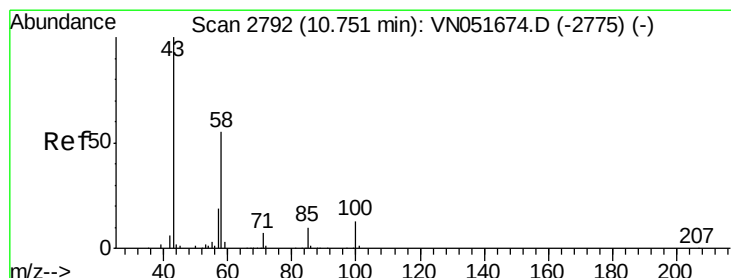
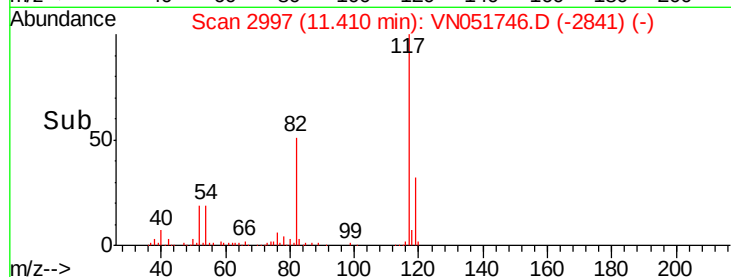
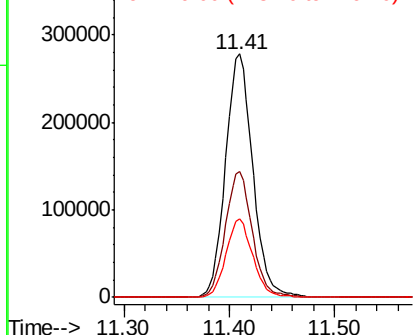
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051746.D
Acq: 9 Oct 2018 12:53

Instrument :
MSVOA_N
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	44.1	66.1
119	31.6	25.8	38.8

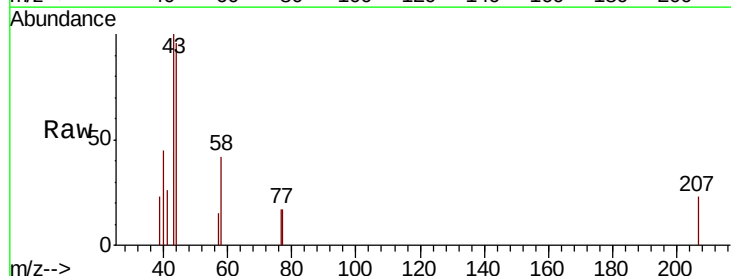


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

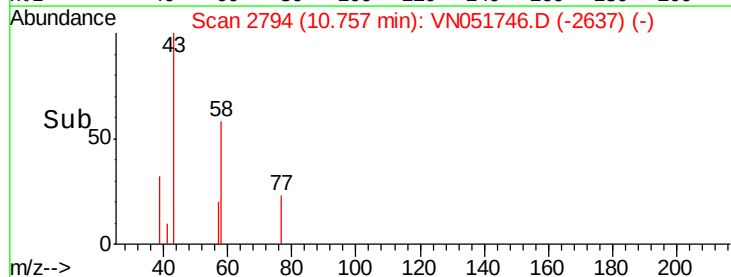
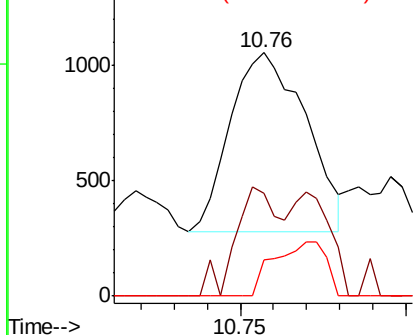


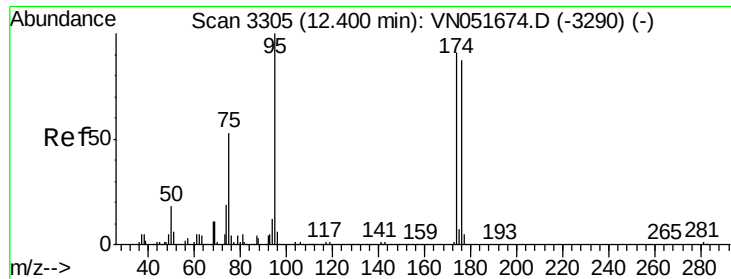
#59
2-Hexanone
Concen: 0.443 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN051746.D
Acq: 9 Oct 2018 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.7	41.3	61.9#
57	0.0	13.4	20.0#



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

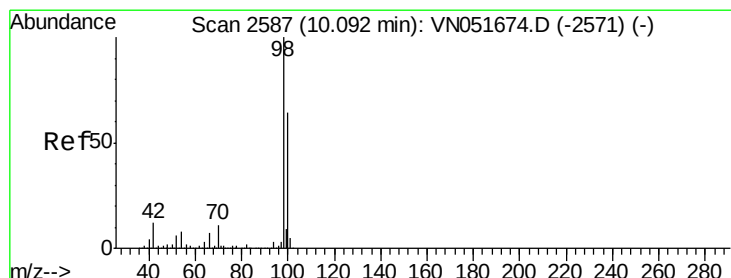
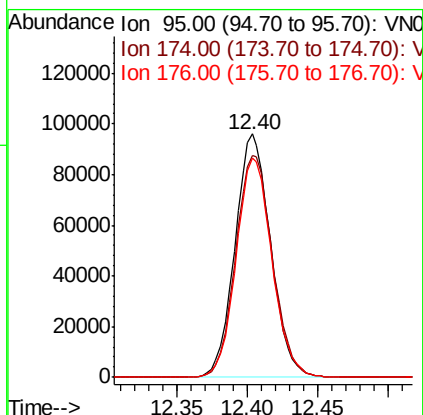
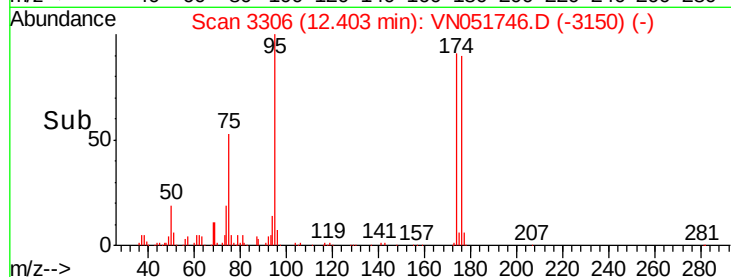
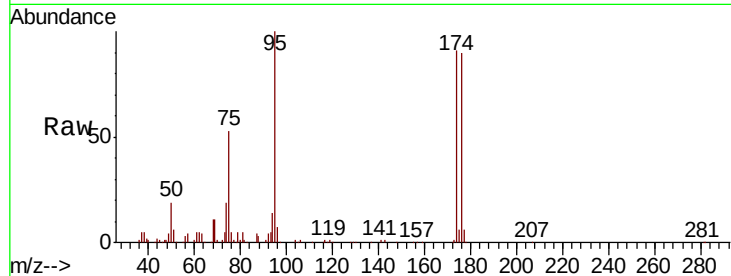




#60
 4-Bromofluorobenzene
 Concen: 0.443 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051746.D
 Acq: 9 Oct 2018 12:53

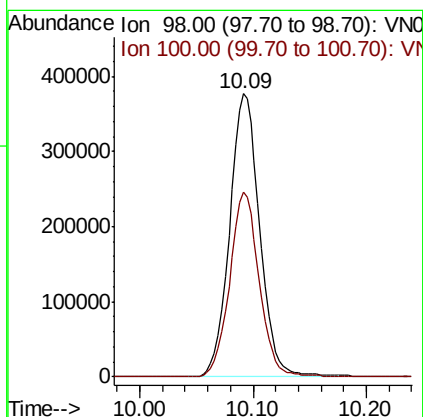
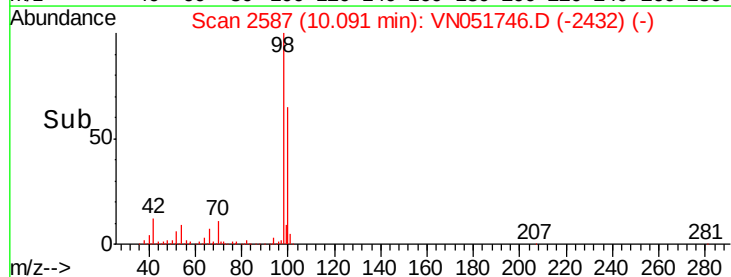
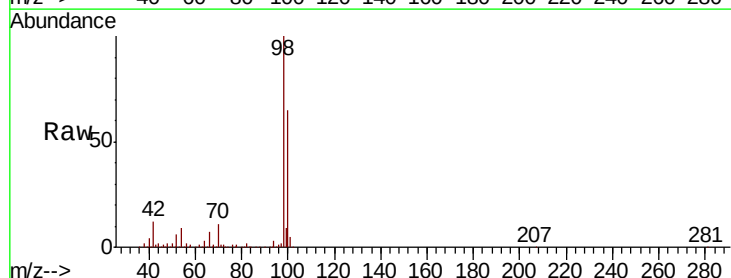
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 ClientSampleId :
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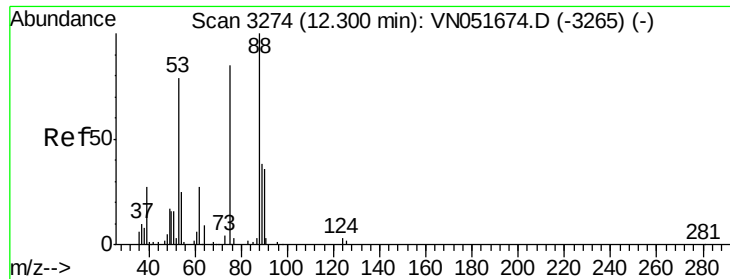
Tot Ion: 95 Resp: 169886
 Ion Ratio Lower Upper
 95 100
 174 93.9 73.5 110.3
 176 90.5 70.2 105.2



#63
 Toluene-d8
 Concen: Below ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051746.D
 Acq: 9 Oct 2018 12:53

Tgt Ion: 98 Resp: 695253
 Ion Ratio Lower Upper
 98 100
 100 64.3 50.8 76.2

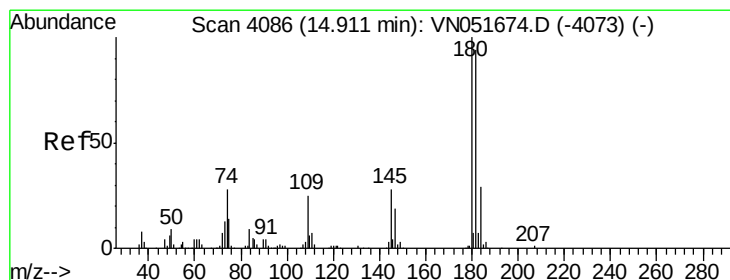
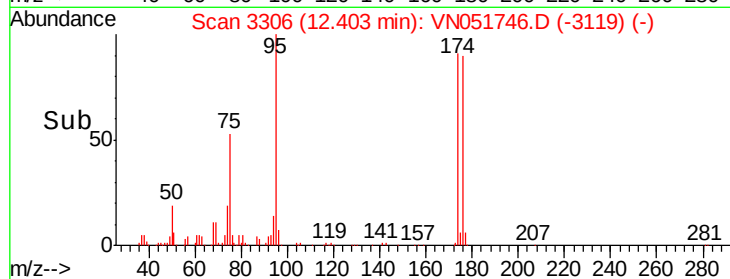
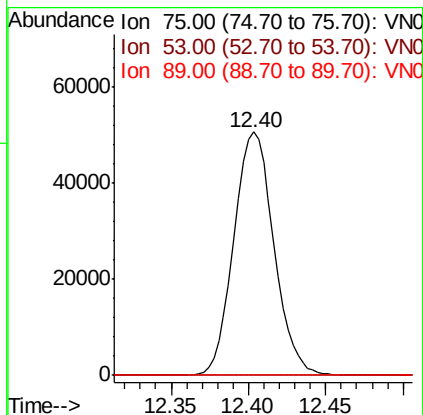
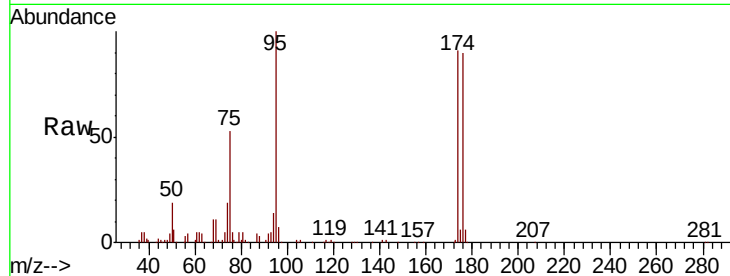




#77
t-1,4-Dichloro-2-butene
Concen: 48.897 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051746.D
Acq: 9 Oct 2018 12:53

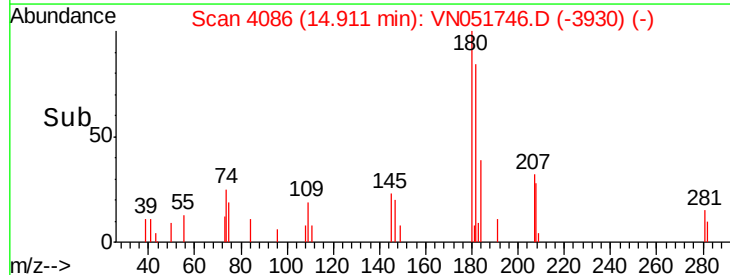
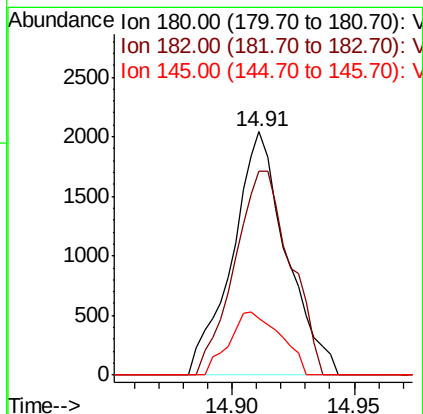
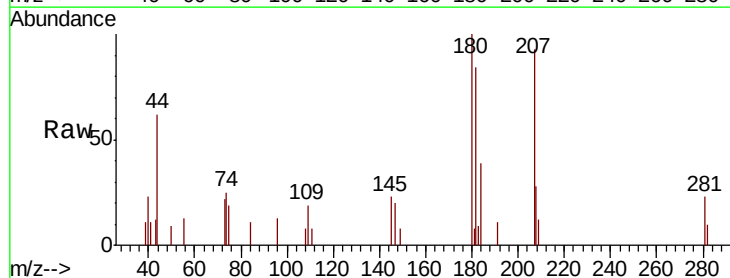
Instrument :
MSVOA_N
ClientSampled :
TRIP BLANK

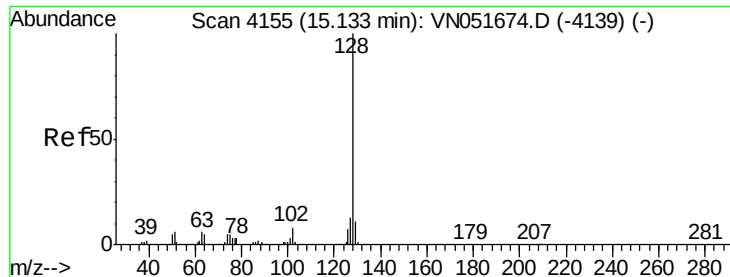
Tot Ion: 75 Resp: 91358
Ion Ratio Lower Upper
75 100
53 0.0 46.3 138.9#
89 0.0 24.6 73.8#



#89
1,2,4-Trichlorobenzene
Concen: 7.237 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN051746.D
Acq: 9 Oct 2018 12:53

Tgt Ion:180 Resp: 3133
Ion Ratio Lower Upper
180 100
182 86.6 77.7 116.5
145 24.8 23.4 35.2





#91

Naphthalene

Concen: 0.750 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051746.D

Acq: 9 Oct 2018 12:53

Instrument :

MSVOA_N

ClientSampled :

TRIP BLANK

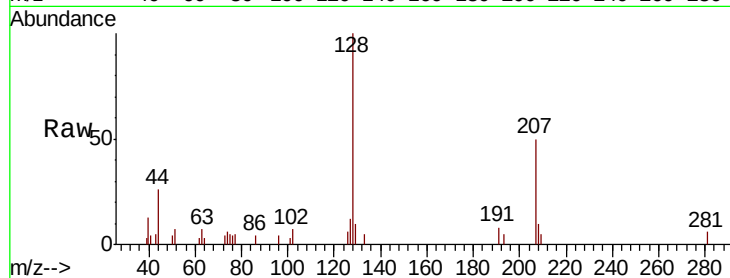
Tot Ion:128 Resp: 8983

Ion Ratio Lower Upper

128 100

127 11.2 10.1 15.1

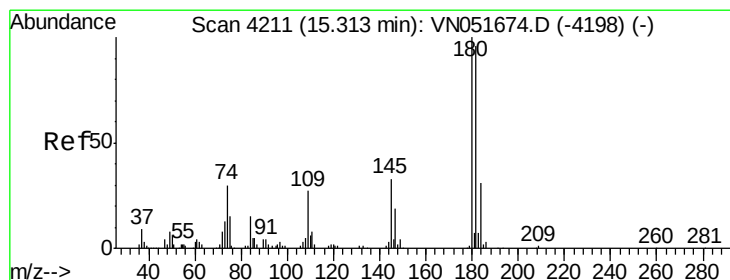
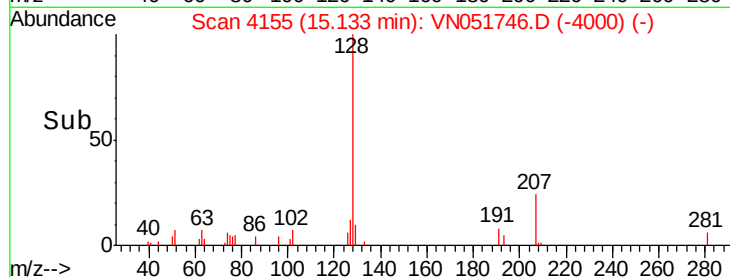
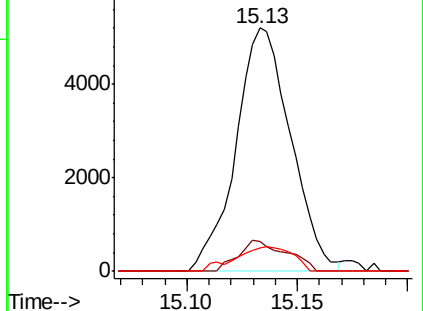
129 9.4 8.4 12.6



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: 0.573 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.40 min

Lab File: VN051746.D

Acq: 9 Oct 2018 12:53

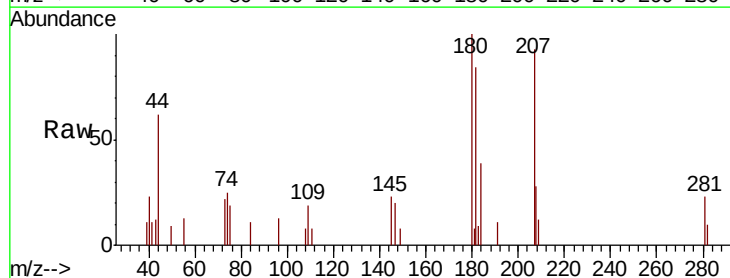
Tgt Ion:180 Resp: 3133

Ion Ratio Lower Upper

180 100

182 86.6 0.0 198.0

145 24.8 0.0 36.8



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

