

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
 Data File : VN051835.D
 Acq On : 12 Oct 2018 16:15
 Operator : MD\SY
 Sample : J5393-12 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 WE13-GW-TANK3-IDW-10102018

Quant Time: Oct 13 01:56:40 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	121126	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	688801	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	549688	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	231924	31.47	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.90%
60) 4-Bromofluorobenzene	12.40	95	188773	23.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	79.40%
63) Toluene-d8	10.09	98	775807	32.50	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	108.33%

Target Compounds

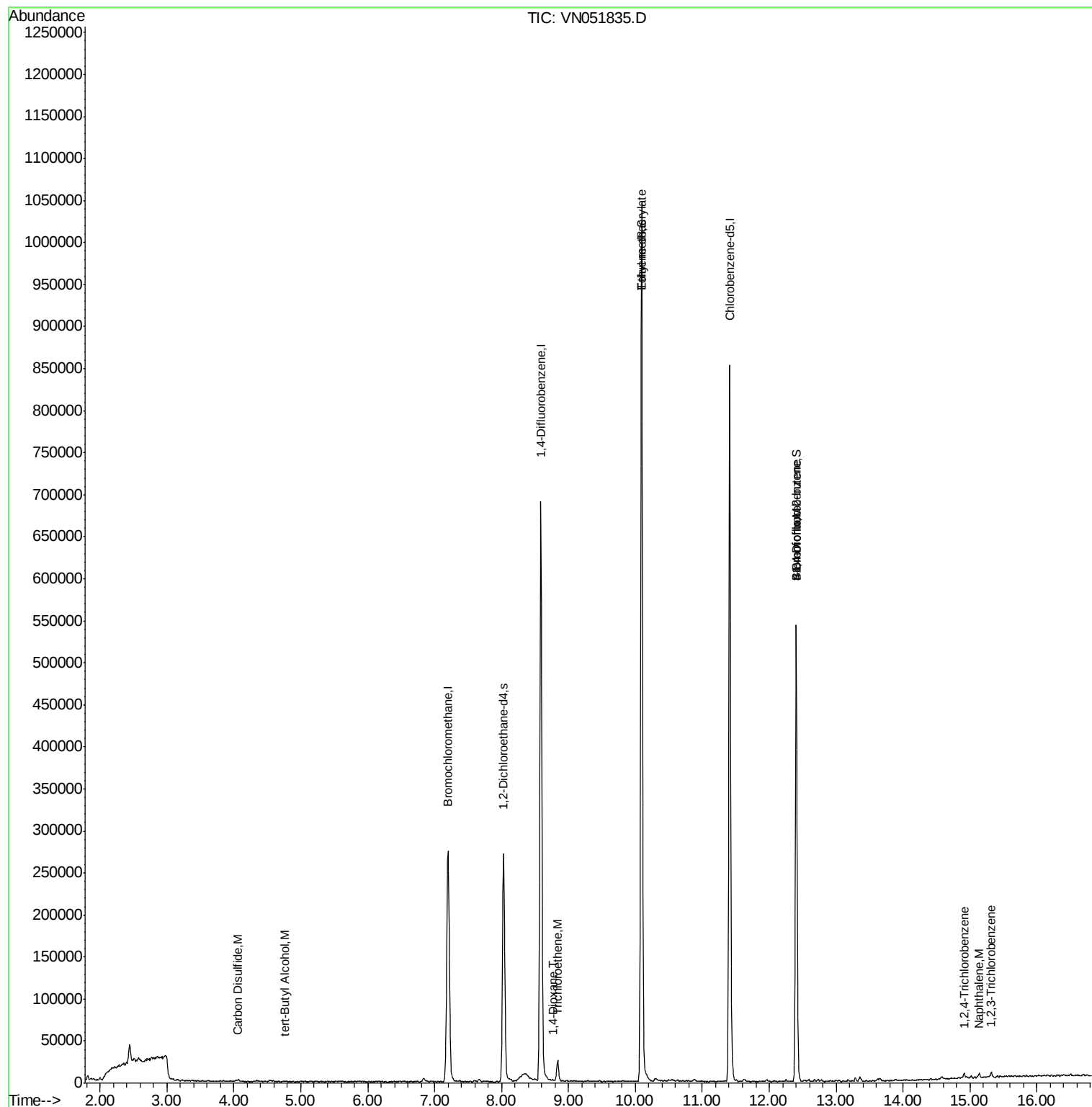
					Ovalue	
16) Carbon Disulfide	4.05	76	3268	0.223	ug/l #	76
23) tert-Butyl Alcohol	4.75	59	269	0.660	ug/l #	100
37) Trichloroethene	8.84	130	9543	1.171	ug/l	96
45) 1,4-Dioxane	8.77	88	139	2.151	ug/l #	1
51) Ethyl methacrylate	10.10	69	2286	0.315	ug/l	95
56) Bromoform	12.40	173	1970	0.381	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	97538	59.015	ug/l #	12
89) 1,2,4-Trichlorobenzene	14.91	180	1895	7.938	ug/l	96
91) Naphthalene	15.14	128	5245	8.816	ug/l #	83
92) 1,2,3-Trichlorobenzene	15.32	180	2375	0.384	ug/l	58

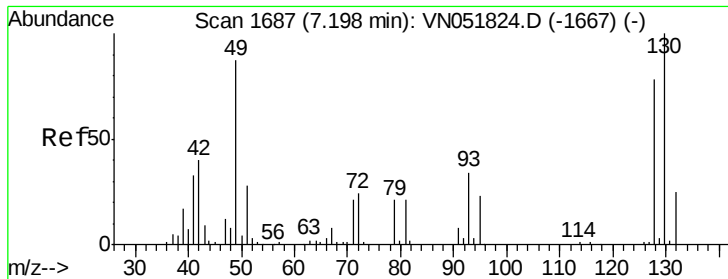
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WE13-GW-TANK3-IDW-10102018

Quant Time: Oct 13 01:56:40 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051835.D

Acq: 12 Oct 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

WE13-GW-TANK3-IDW-10102018

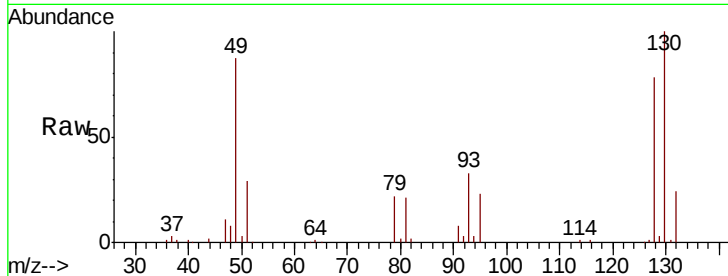
Tot Ion:128 Resp: 121126

Ion Ratio Lower Upper

128 100

49 114.8 0.0 403.3

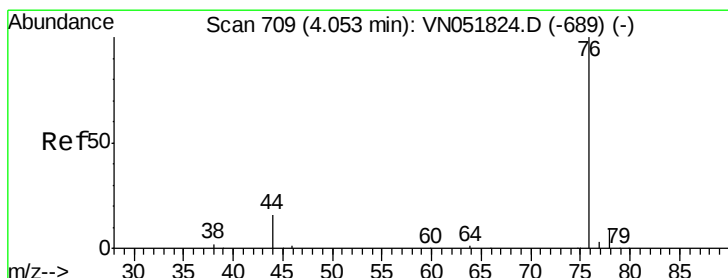
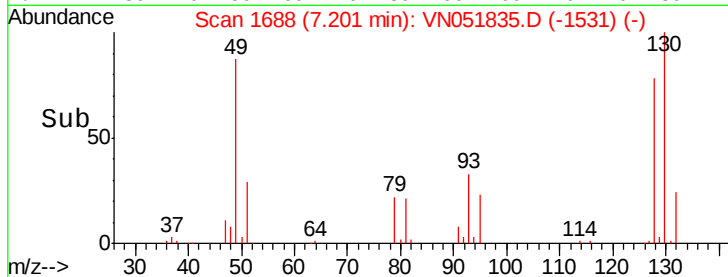
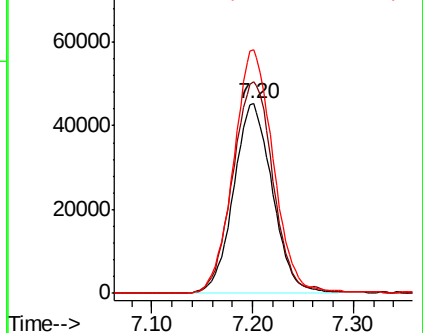
130 130.8 0.0 326.0



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



#16

Carbon Disulfide

Concen: 0.223 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051835.D

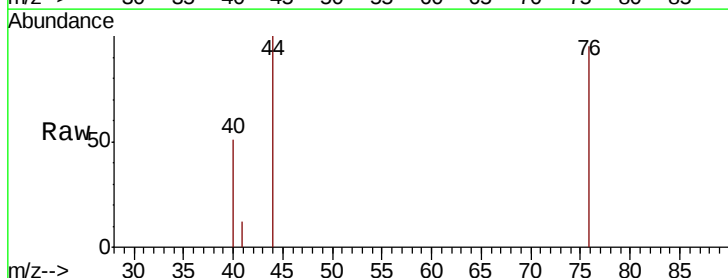
Acq: 12 Oct 2018 16:15

Tgt Ion: 76 Resp: 3268

Ion Ratio Lower Upper

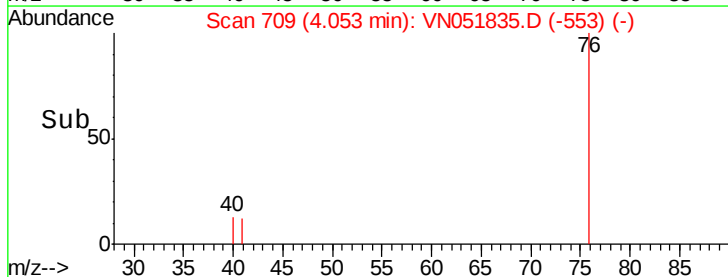
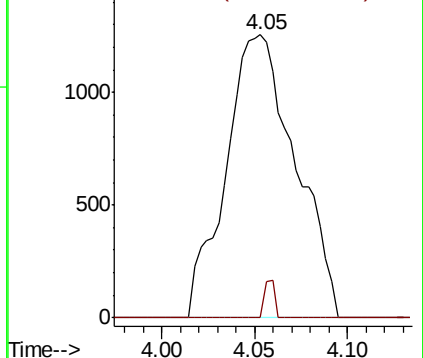
76 100

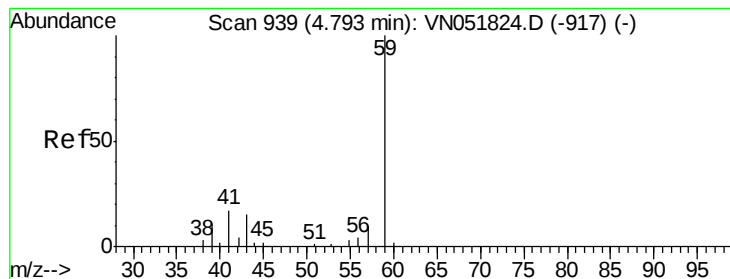
78 0.0 6.7 10.1#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



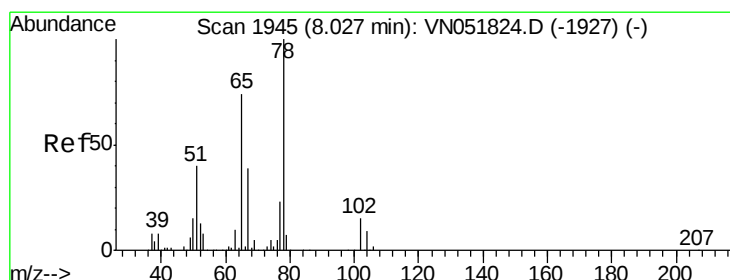
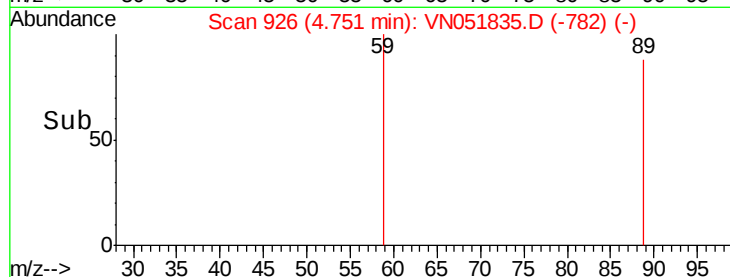
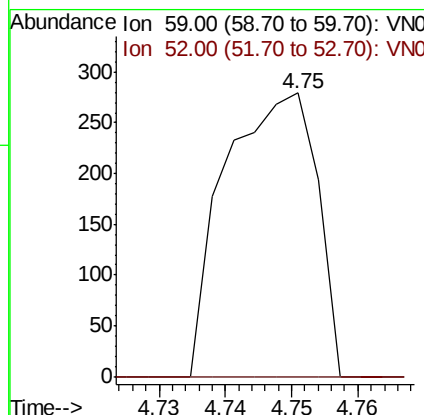
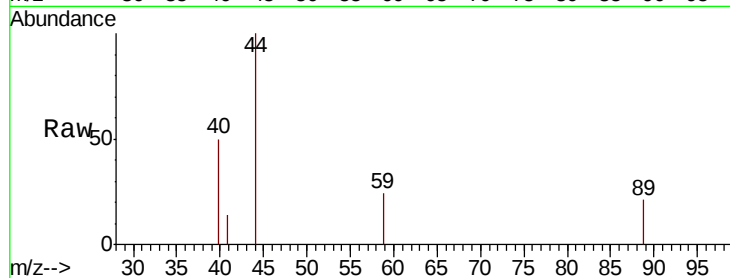


#23

tert-Butyl Alcohol
 Concen: 0.660 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.04 min
 Lab File: VN051835.D
 Acq: 12 Oct 2018 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 WE13-GW-TANK3-IDW-10102018

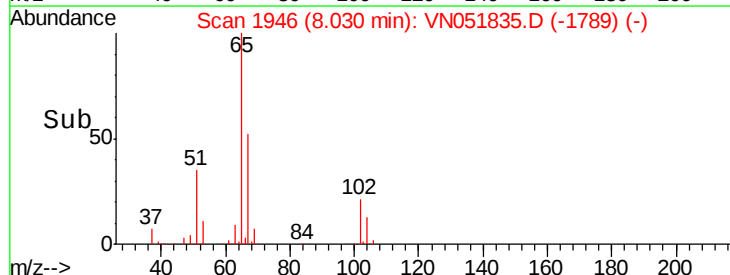
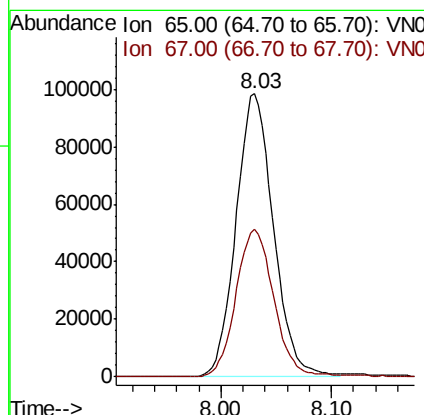
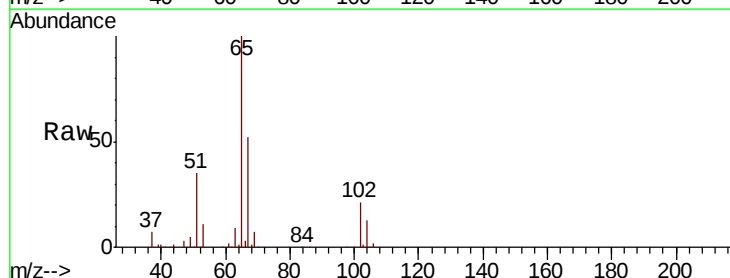
Tot Ion: 59 Resp: 269
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

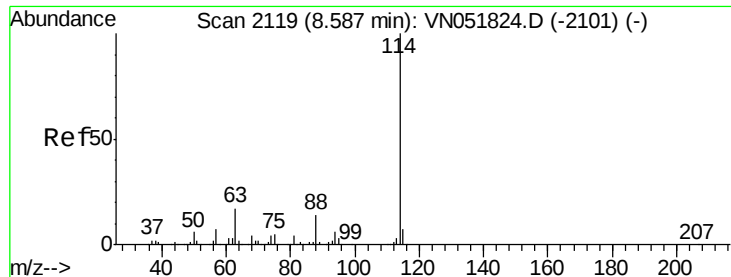


#27

1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051835.D
 Acq: 12 Oct 2018 16:15

Tgt Ion: 65 Resp: 231924
 Ion Ratio Lower Upper
 65 100
 67 52.3 41.8 62.8

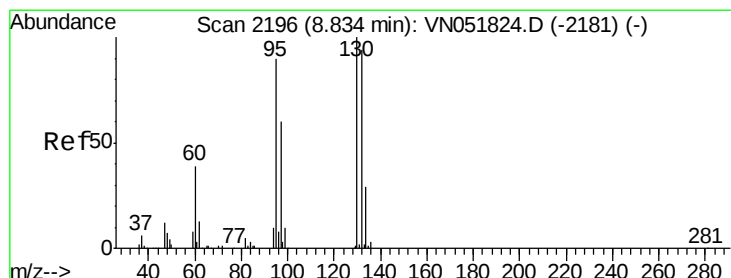
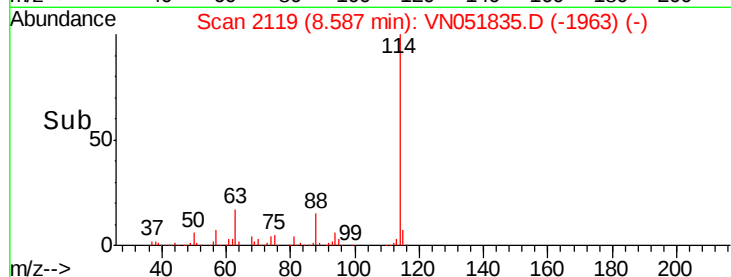
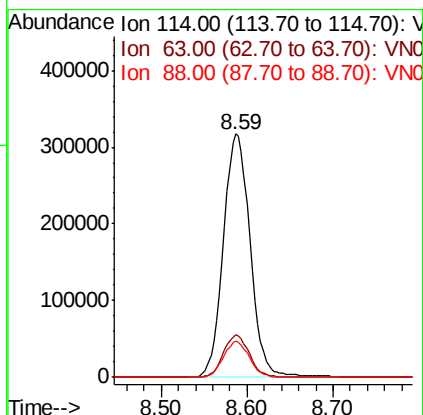
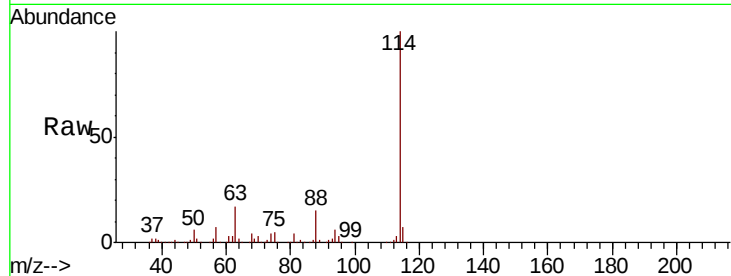




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051835.D
 Acq: 12 Oct 2018 16:15

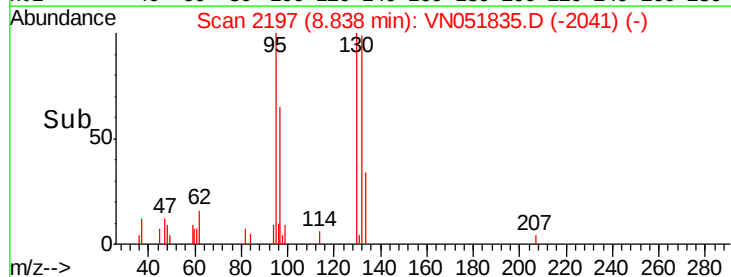
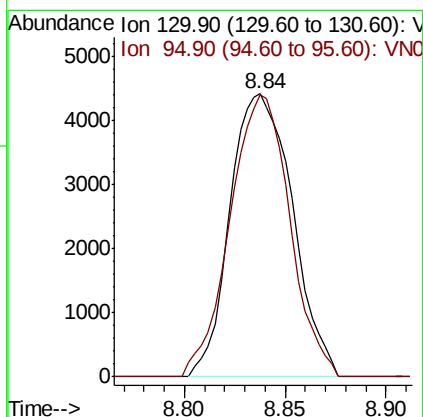
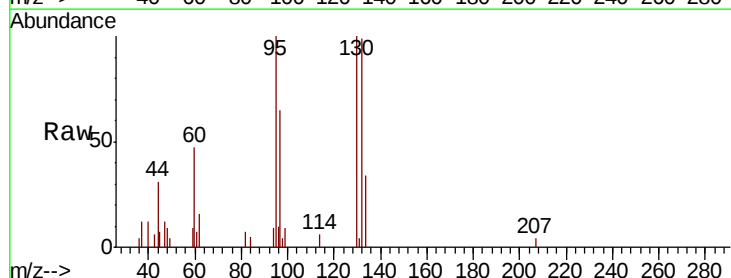
Instrument :
 MSVOA_N
 ClientSampleId :
 WE13-GW-TANK3-IDW-10102018

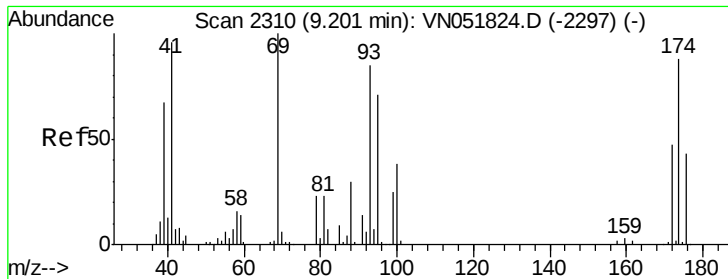
Tot Ion:114 Resp: 688801
 Ion Ratio Lower Upper
 114 100
 63 16.9 16.2 24.2
 88 14.4 12.2 18.4



#37
 Trichloroethene
 Concen: 1.171 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051835.D
 Acq: 12 Oct 2018 16:15

Tgt Ion:130 Resp: 9543
 Ion Ratio Lower Upper
 130 100
 95 99.7 76.4 114.6





#45

1,4-Dioxane

Concen: 2.151 ug/l

RT: 8.77 min Scan# 2177

Delta R.T. -0.43 min

Lab File: VN051835.D

Acq: 12 Oct 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

WE13-GW-TANK3-IDW-10102018

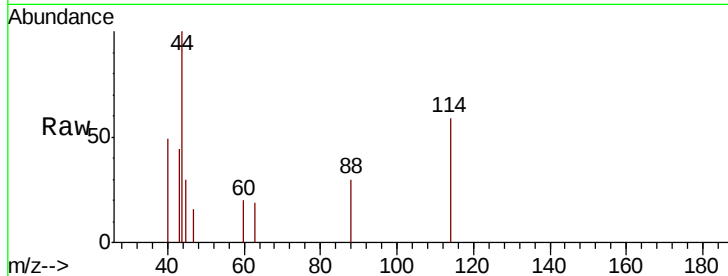
Tot Ion: 88 Resp: 139

Ion Ratio Lower Upper

88 100

43 181.3 26.2 39.2#

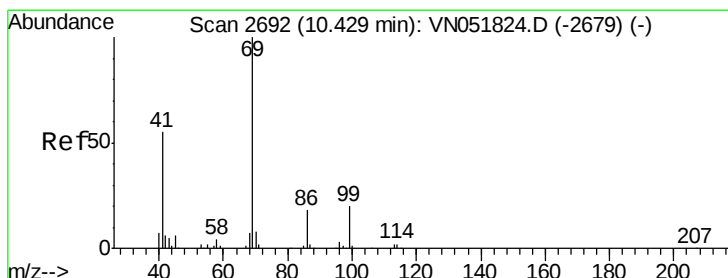
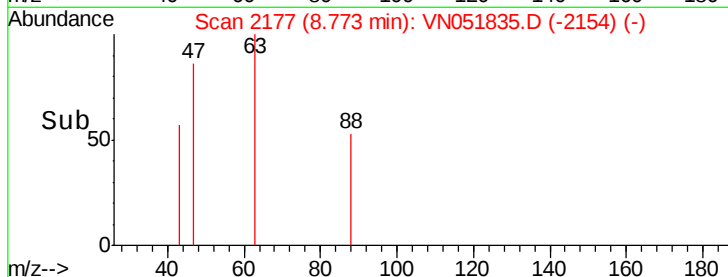
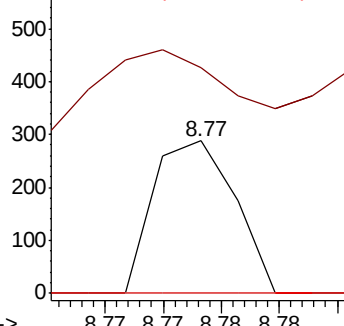
58 0.0 65.6 98.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#51

Ethyl methacrylate

Concen: 0.315 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.33 min

Lab File: VN051835.D

Acq: 12 Oct 2018 16:15

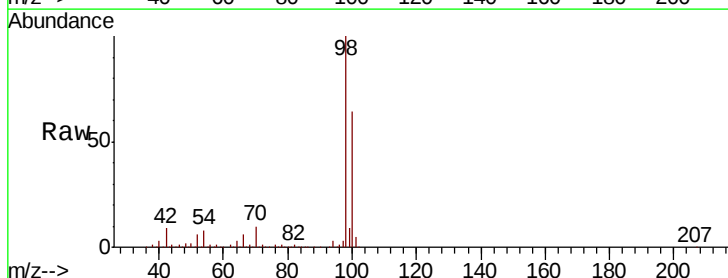
Tgt Ion: 69 Resp: 2286

Ion Ratio Lower Upper

69 100

41 64.0 34.4 103.1

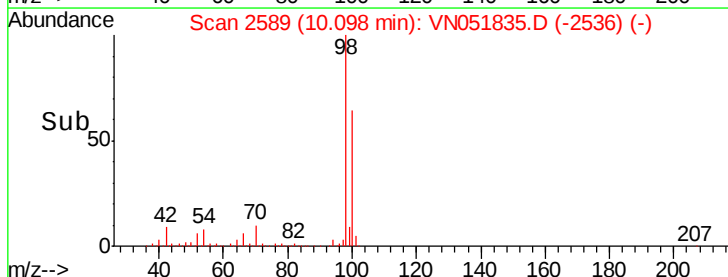
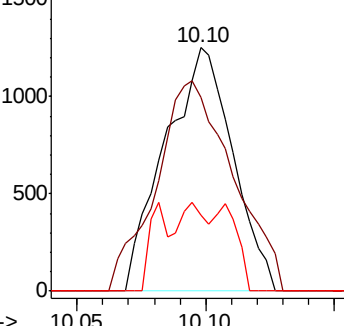
39 31.3 16.3 48.8

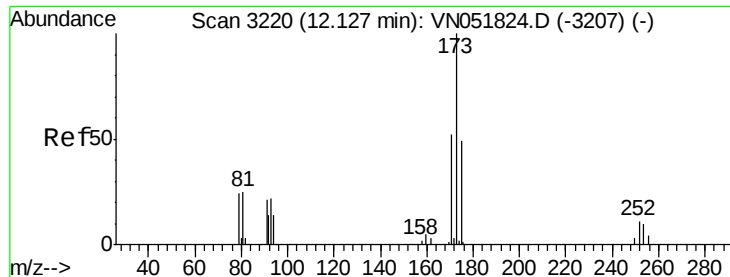


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Bromoform

Concen: 0.381 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051835.D

Acq: 12 Oct 2018 16:15

Instrument :

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ClientSampleId :

WE13-GW-TANK3-IDW-10102018

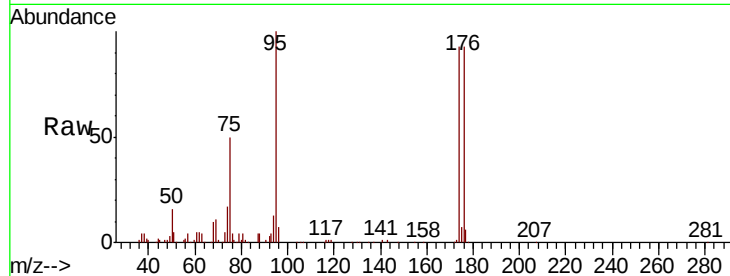
Tot Ion:173 Resp: 1970

Ion Ratio Lower Upper

173 100

175 648.2 35.8 53.8#

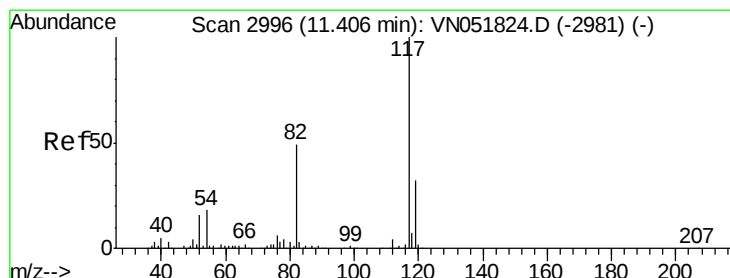
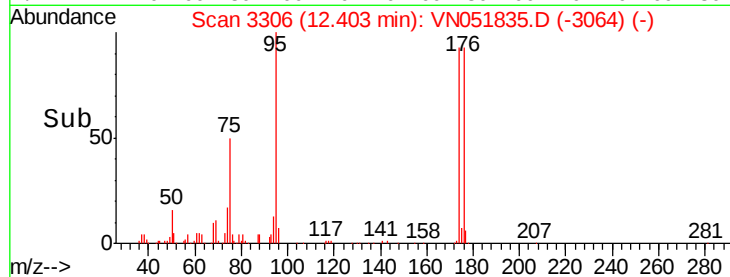
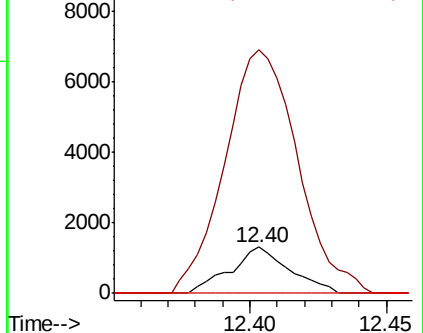
254 0.0 8.6 13.0#



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# 2997

Delta R.T. 0.00 min

Lab File: VN051835.D

Acq: 12 Oct 2018 16:15

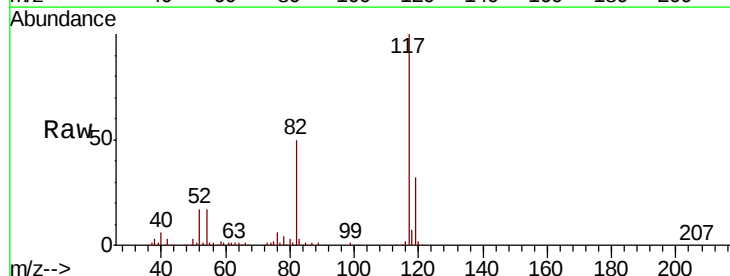
Tgt Ion:117 Resp: 549688

Ion Ratio Lower Upper

117 100

82 50.0 44.1 66.1

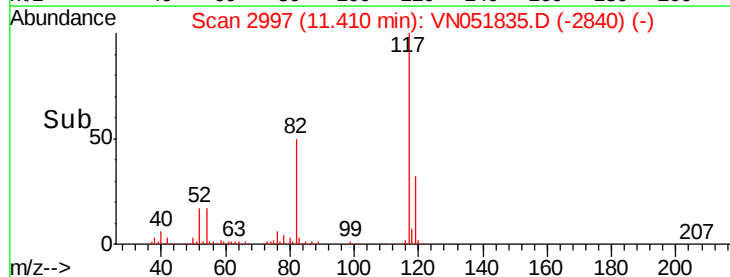
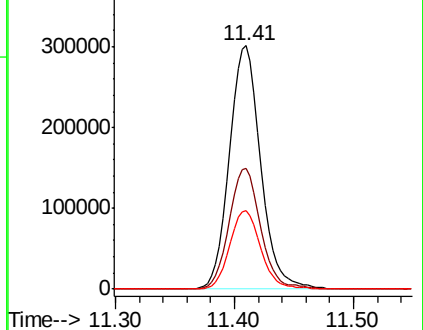
119 32.1 25.8 38.8

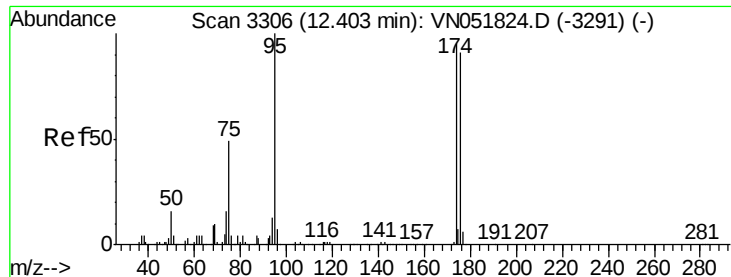


Abundance Ion 117.00 (116.70 to 117.70): V

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# 3306

Delta R.T. 0.00 min

Lab File: VN051835.D

Acq: 12 Oct 2018 16:15

Instrument :

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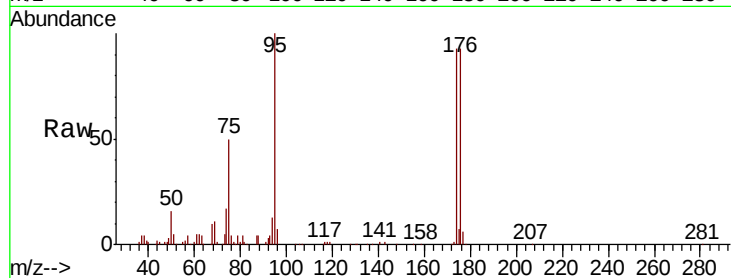
Tot Ion: 95 Resp: 188773

Ion Ratio Lower Upper

95 100

174 93.3 73.5 110.3

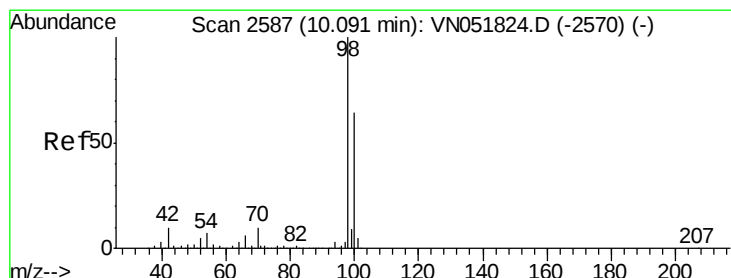
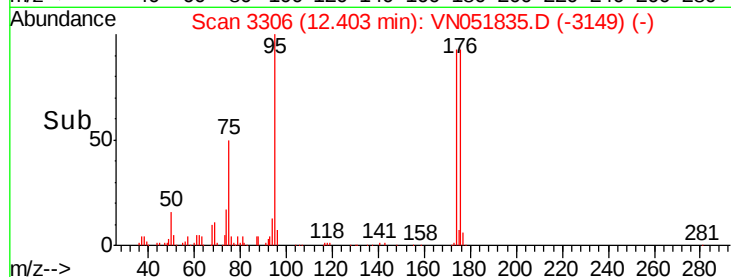
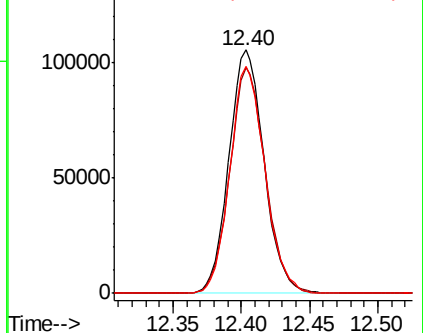
176 93.0 70.2 105.2



Abundance Ion 95.00 (94.70 to 95.70): VN051824.D (-3291) (-)

Ion 174.00 (173.70 to 174.70): VN051824.D (-3291) (-)

Ion 176.00 (175.70 to 176.70): VN051824.D (-3291) (-)



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051835.D

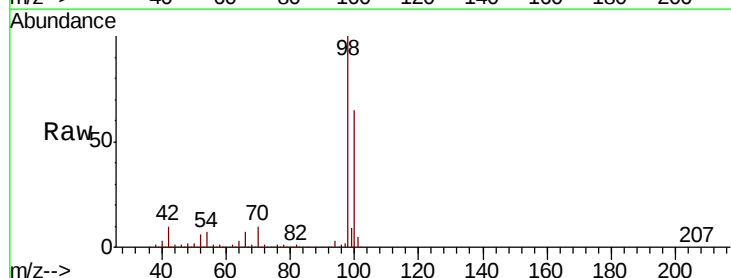
Acq: 12 Oct 2018 16:15

Tgt Ion: 98 Resp: 775807

Ion Ratio Lower Upper

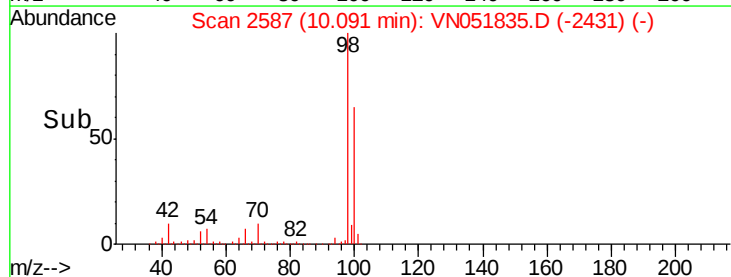
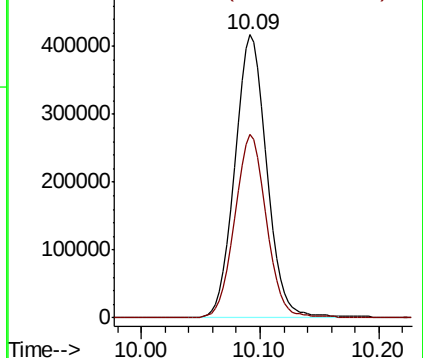
98 100

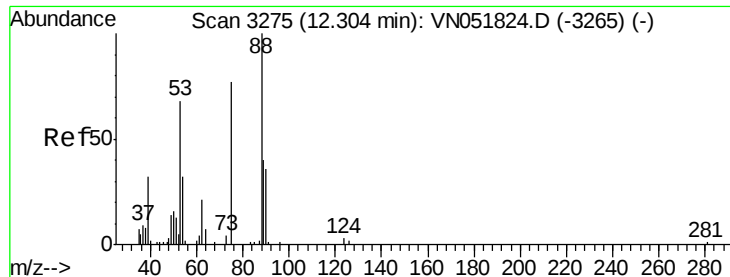
100 64.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051824.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051824.D (-2570) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 59.015 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051835.D

Acq: 12 Oct 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

WE13-GW-TANK3-IDW-10102018

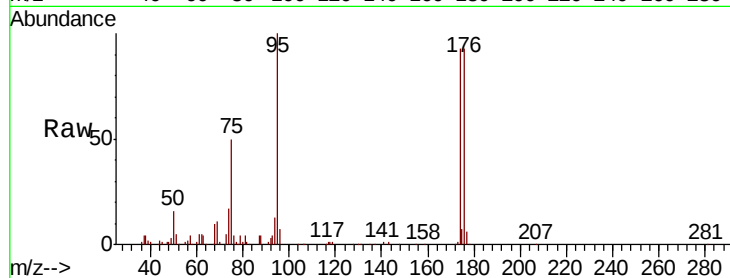
Tot Ion: 75 Resp: 97538

Ion Ratio Lower Upper

75 100

53 0.0 46.3 138.9#

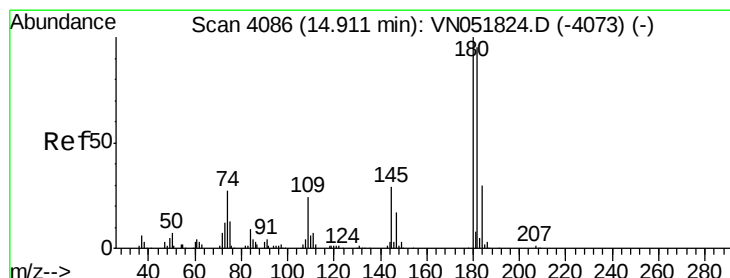
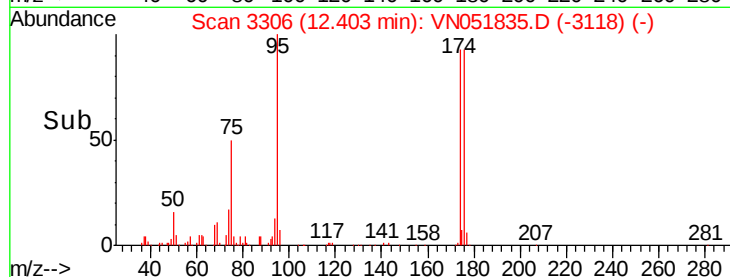
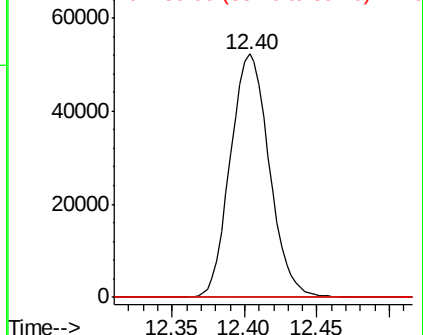
89 0.0 24.6 73.8#



Abundance Ion 75.00 (74.70 to 75.70): VN051835.D (-3118) (-)

Ion 53.00 (52.70 to 53.70): VN051835.D (-3118) (-)

Ion 89.00 (88.70 to 89.70): VN051835.D (-3118) (-)



#89

1,2,4-Trichlorobenzene

Concen: 7.938 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051835.D

Acq: 12 Oct 2018 16:15

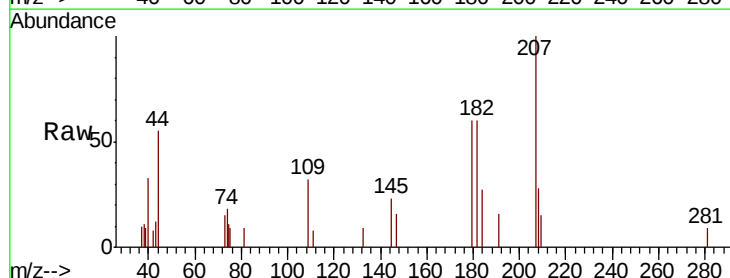
Tgt Ion: 180 Resp: 1895

Ion Ratio Lower Upper

180 100

182 101.4 77.7 116.5

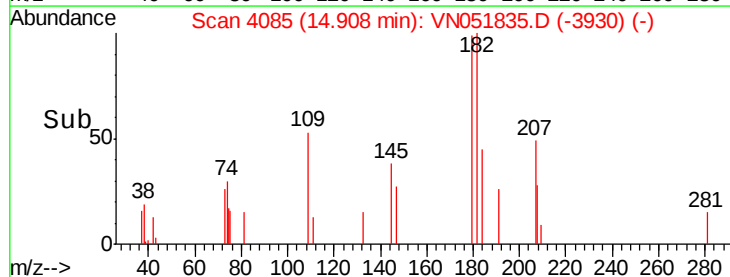
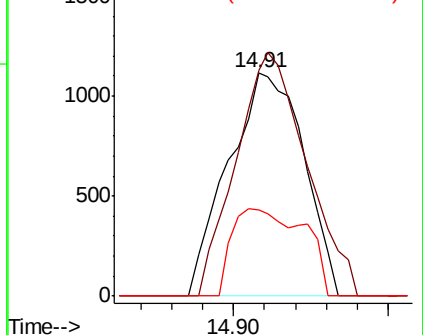
145 27.0 23.4 35.2

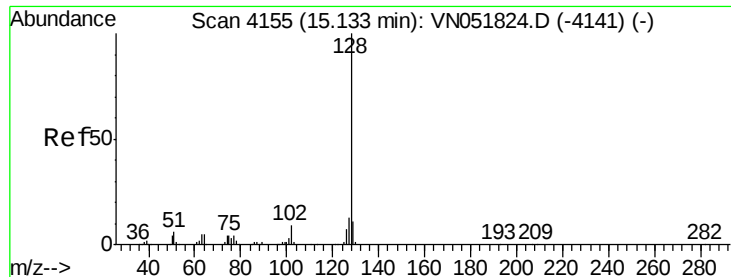


Abundance Ion 180.00 (179.70 to 180.70): VN051835.D (-3930) (-)

Ion 182.00 (181.70 to 182.70): VN051835.D (-3930) (-)

Ion 145.00 (144.70 to 145.70): VN051835.D (-3930) (-)





#91

Naphthalene

Concen: 8.816 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN051835.D

Acq: 12 Oct 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

WE13-GW-TANK3-IDW-10102018

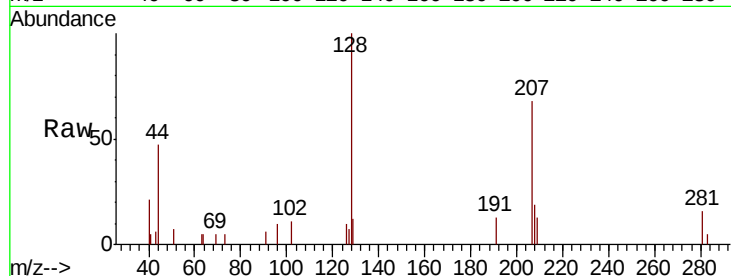
Tot Ion:128 Resp: 5245

Ion Ratio Lower Upper

128 100

127 2.9 10.1 15.1#

129 7.9 8.4 12.6#

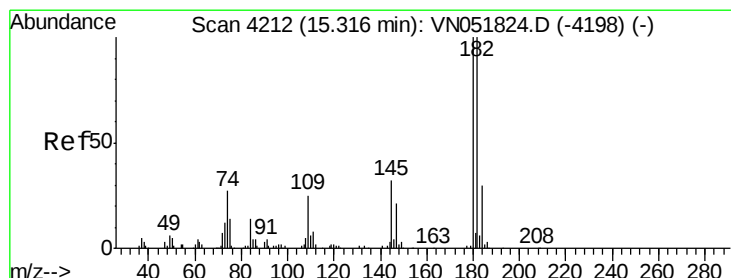
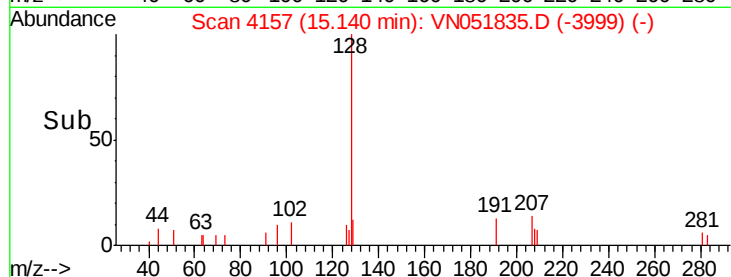
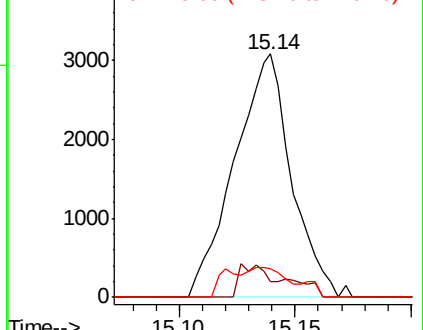


Abundance

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: 0.384 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051835.D

Acq: 12 Oct 2018 16:15

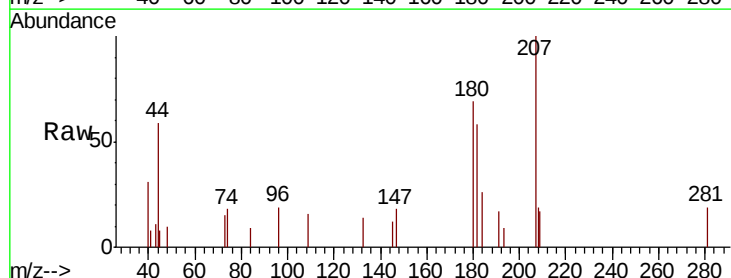
Tgt Ion:180 Resp: 2375

Ion Ratio Lower Upper

180 100

182 52.8 0.0 198.0

145 11.5 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

