

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051682.D
 Acq On : 5 Oct 2018 13:13
 Operator : MD\SY
 Sample : J5237-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 FBSOIL

Quant Time: Oct 05 16:49:43 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	86251	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	454506	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	362680	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	174395	29.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.10%
60) 4-Bromofluorobenzene	12.40	95	125488	22.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	75.60%
63) Toluene-d8	10.09	98	530735	32.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	109.87%

Target Compounds

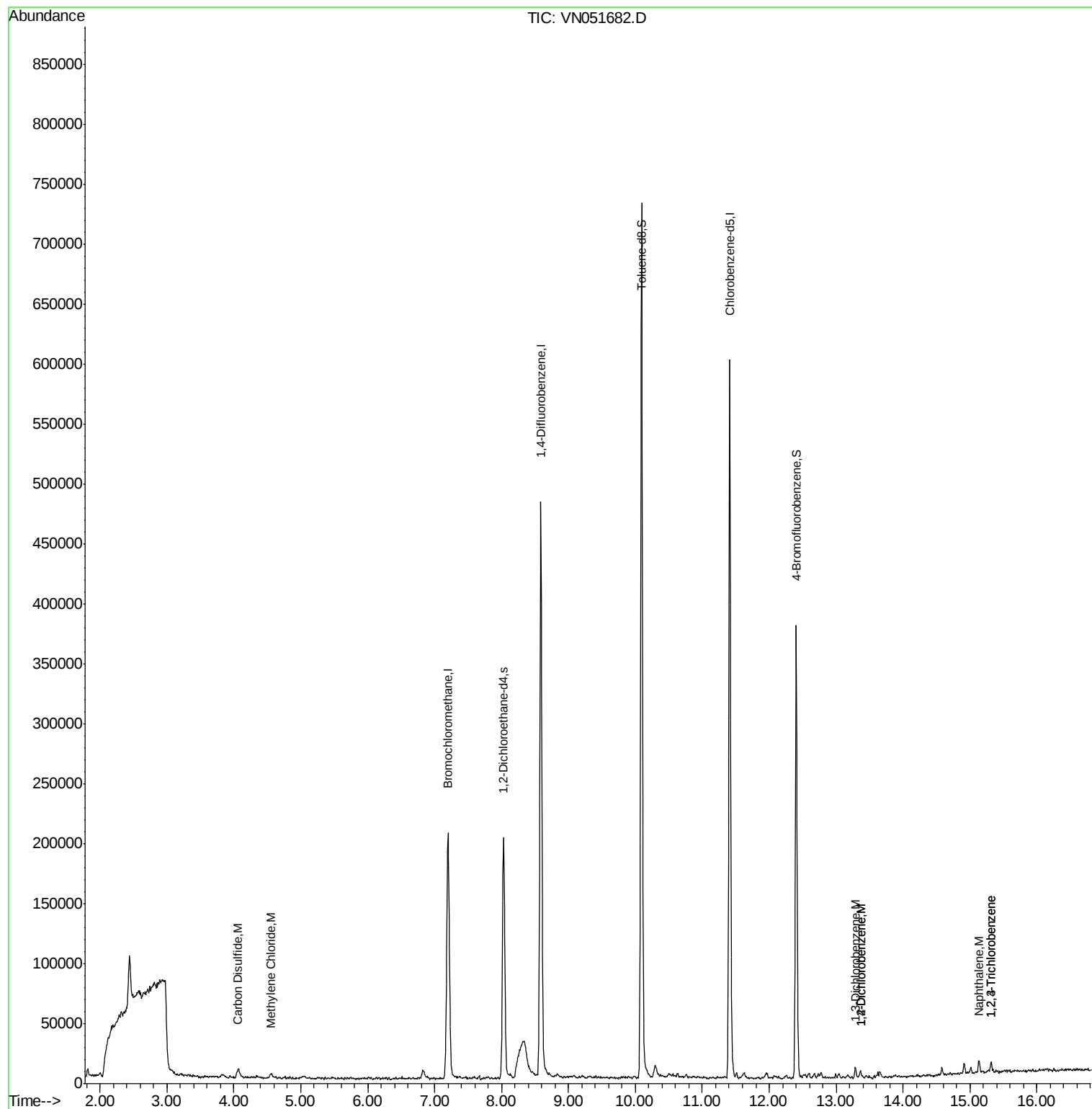
					Ovalue
16) Carbon Disulfide	4.05	76	3723	0.323 ug/l	# 89
18) Methylene Chloride	4.55	84	1202	0.265 ug/l	87
83) 1,3-Dichlorobenzene	13.28	146	1943	0.206 ug/l	93
84) 1,4-Dichlorobenzene	13.36	146	2428	0.270 ug/l	93
87) 1,2-Dichlorobenzene	13.36	146	2428	0.263 ug/l	89
89) 1,2,4-Trichlorobenzene	15.32	180	2748	7.320 ug/l	91
91) Naphthalene	15.13	128	8094	0.928 ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	2748	0.690 ug/l	91

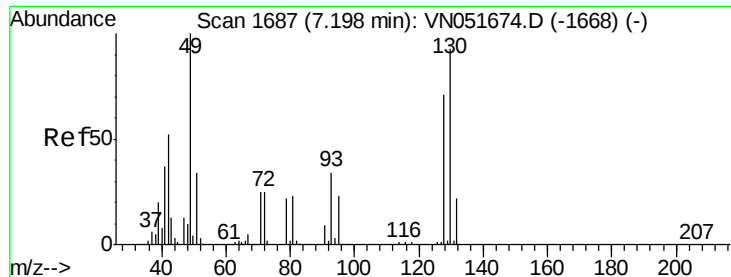
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100518\
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MSVOA_N
ClientSampleId :
FBSOIL

Quant Time: Oct 05 16:49:43 2018
Quant Method : Z:\V0ASRV\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# 1687

Delta R.T. -0.00 min

Lab File: VN051682.D

Acq: 5 Oct 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

FBSOIL

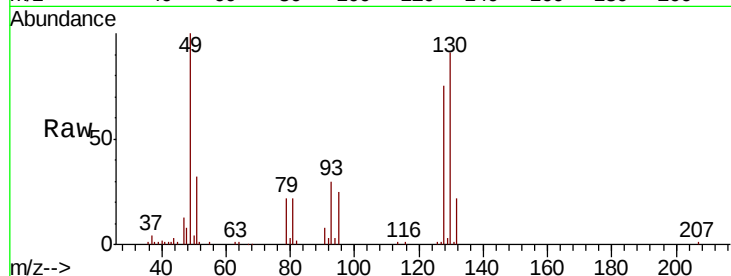
Tot Ion:128 Resp: 86251

Ion Ratio Lower Upper

128 100

49 134.6 0.0 403.3

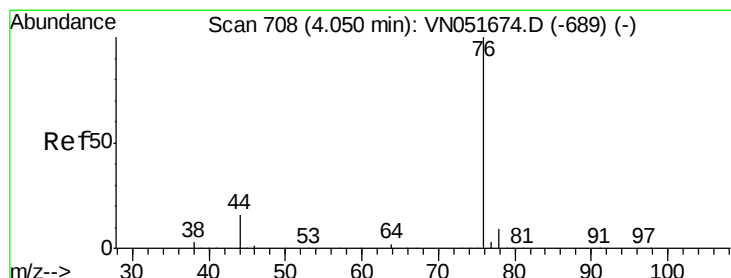
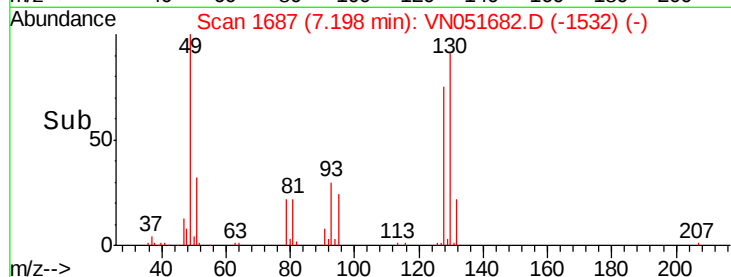
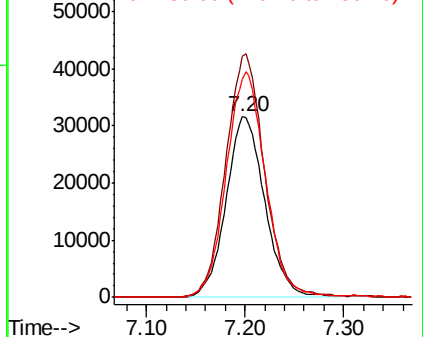
130 126.0 0.0 326.0



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: 0.323 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051682.D

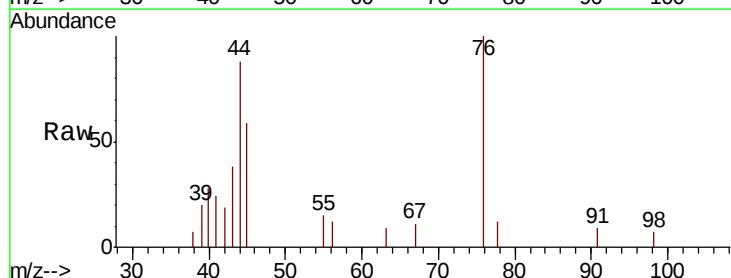
Acq: 5 Oct 2018 13:13

Tgt Ion: 76 Resp: 3723

Ion Ratio Lower Upper

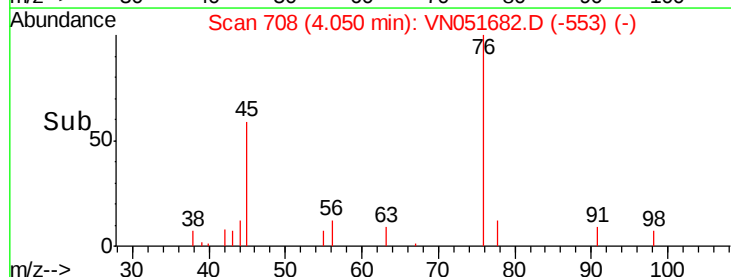
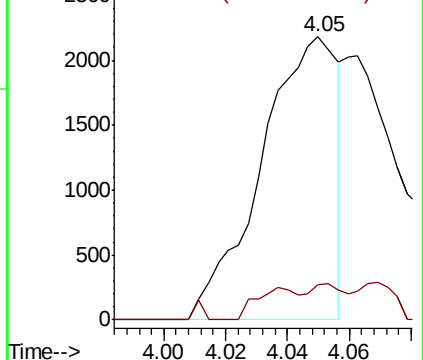
76 100

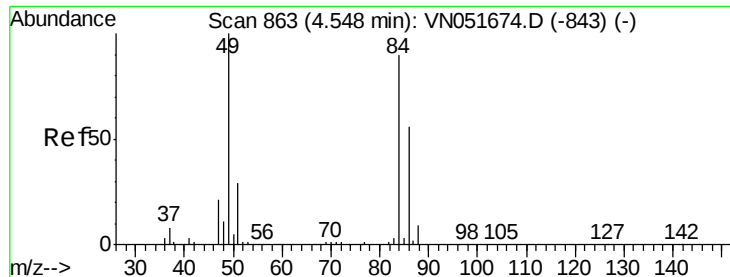
78 12.4 6.7 10.1#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



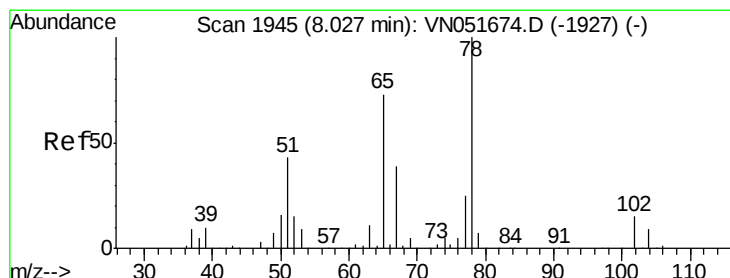
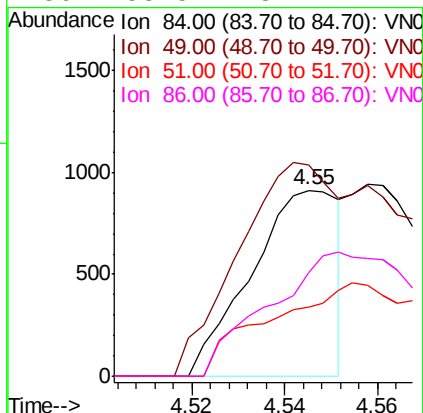
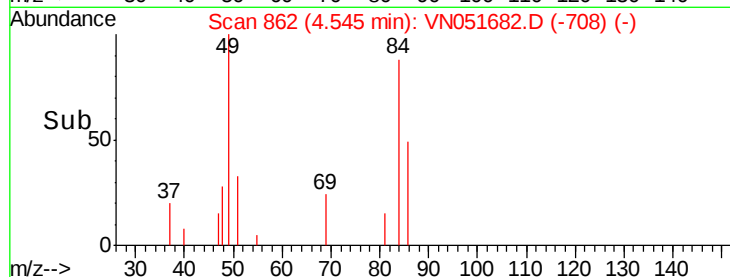
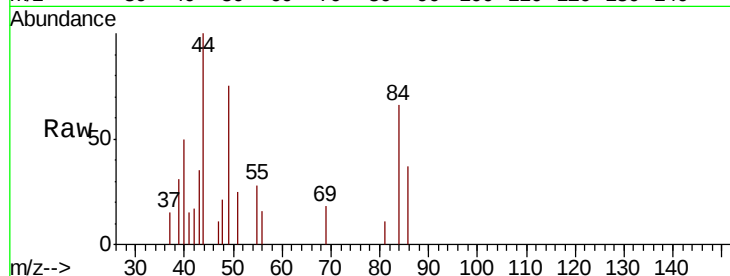


#18
Methvlene Chloride
Concen: 0.265 ug/l
RT: 4.55 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN051682.D
Acq: 5 Oct 2018 13:13

Instrument :
MSVOA_N
ClientSampled :
FBSOIL

Tot Ion: 84 Resp: 1202

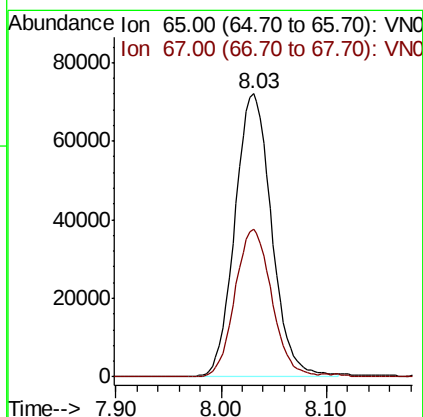
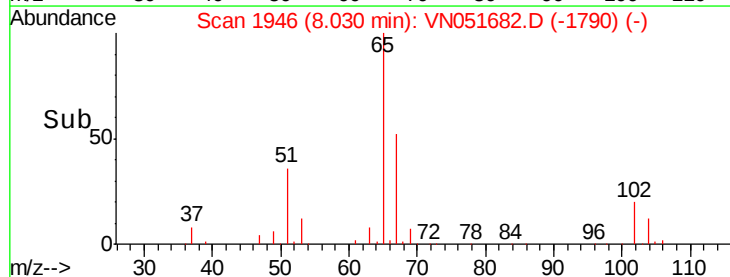
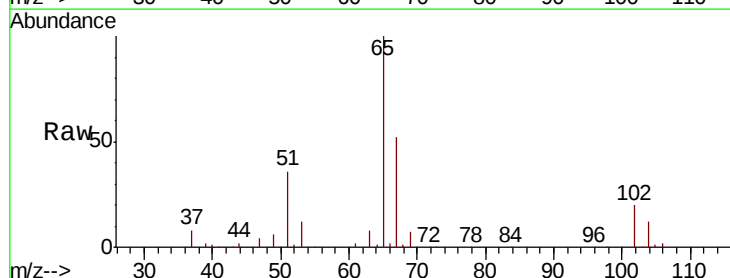
Ion	Ratio	Lower	Upper
84	100		
49	92.3	91.6	137.4
51	37.1	29.8	44.6
86	55.5	48.2	72.4

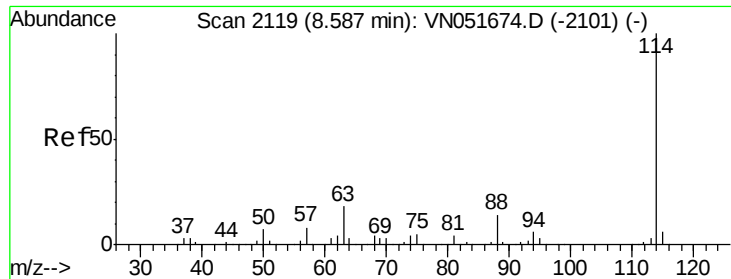


#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051682.D
Acq: 5 Oct 2018 13:13

Tgt Ion: 65 Resp: 174395

Ion	Ratio	Lower	Upper
65	100		
67	51.6	41.8	62.8

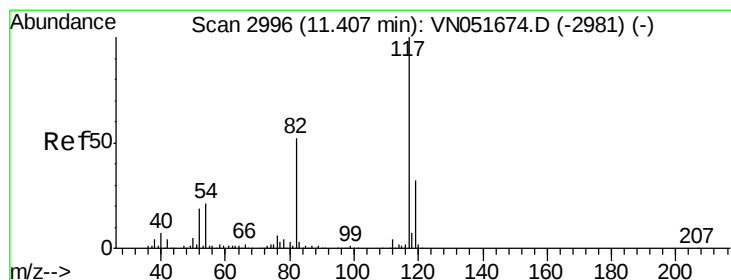
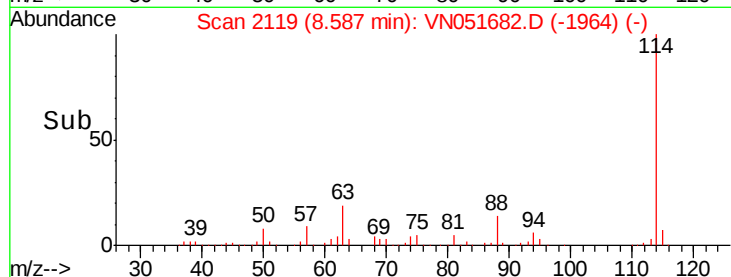
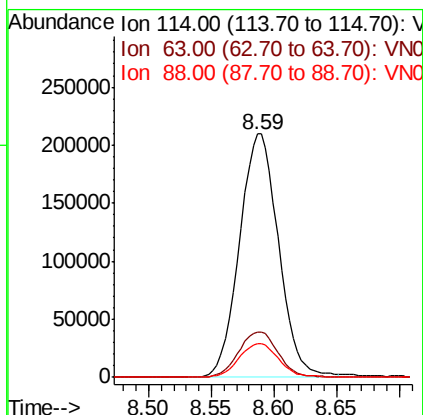
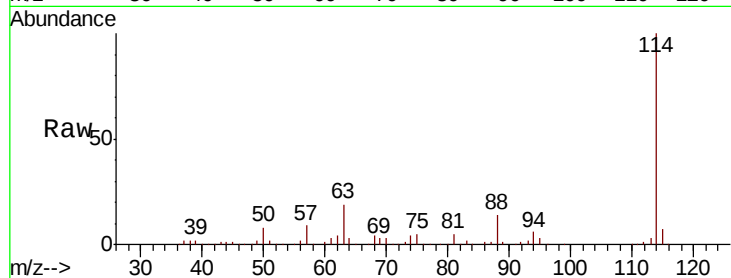




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051682.D
 Acq: 5 Oct 2018 13:13

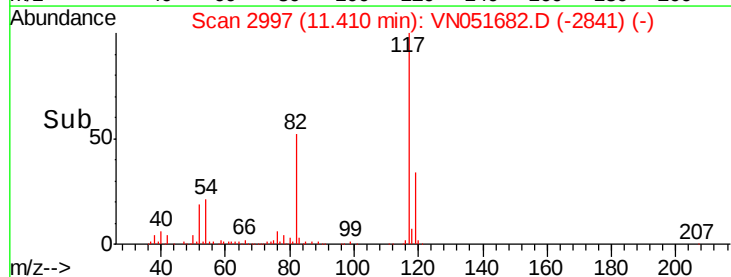
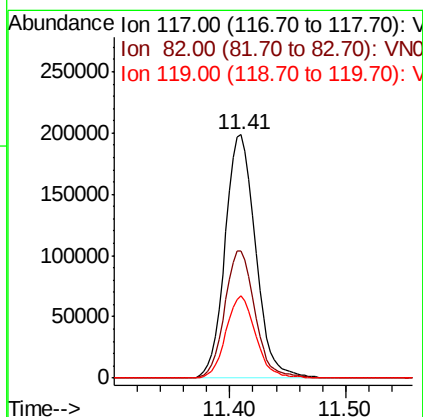
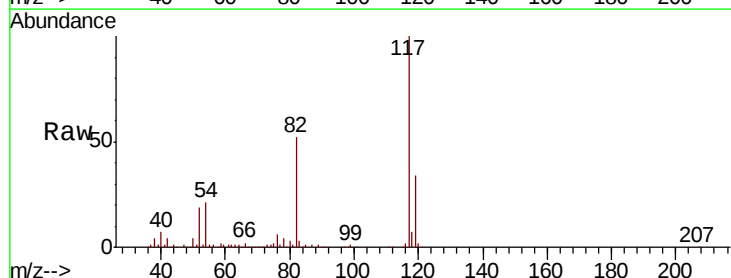
Instrument :
 MSVOA_N
 ClientSampleId :
 FBSOIL

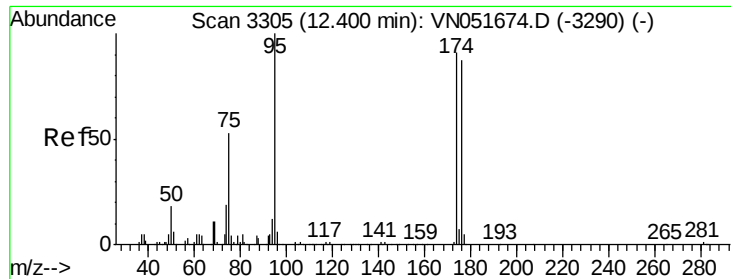
Tot Ion:114 Resp: 454506
 Ion Ratio Lower Upper
 114 100
 63 18.7 16.2 24.2
 88 14.1 12.2 18.4



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN051682.D
 Acq: 5 Oct 2018 13:13

Tgt Ion:117 Resp: 362680
 Ion Ratio Lower Upper
 117 100
 82 52.0 44.1 66.1
 119 32.9 25.8 38.8

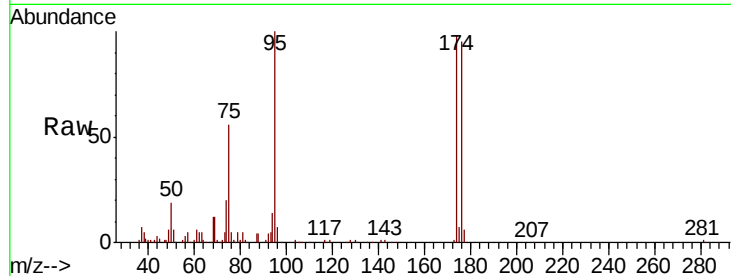




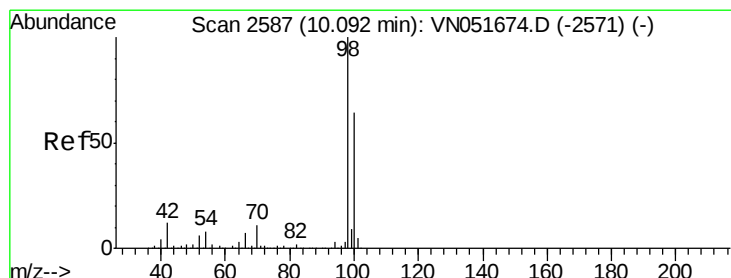
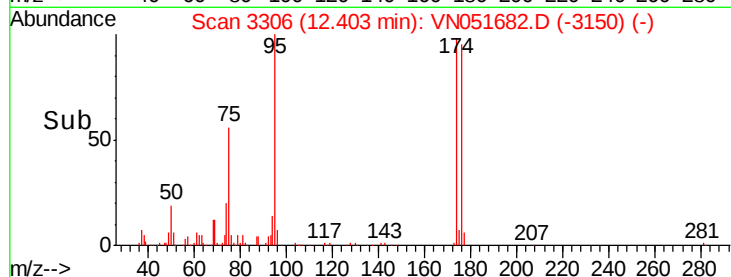
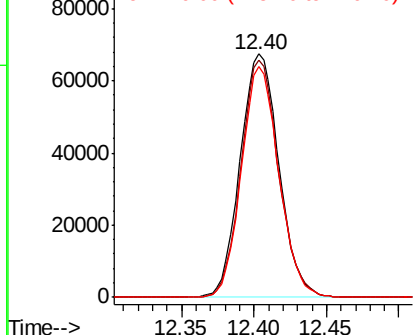
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051682.D
Acq: 5 Oct 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
FBSOIL

Tot Ion: 95 Resp: 125488
Ion Ratio Lower Upper
95 100
174 94.3 73.5 110.3
176 91.5 70.2 105.2

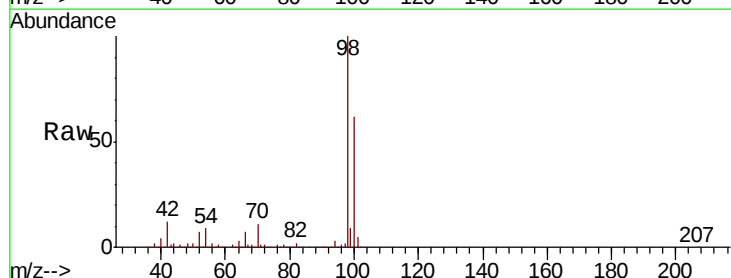


Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

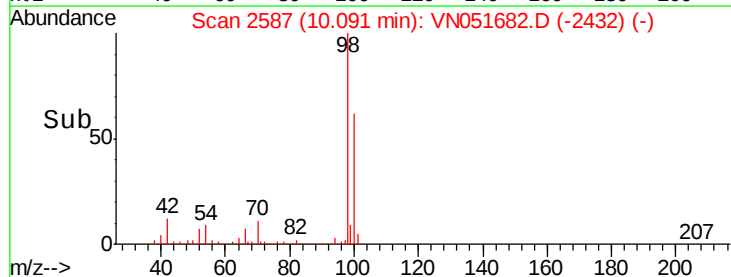
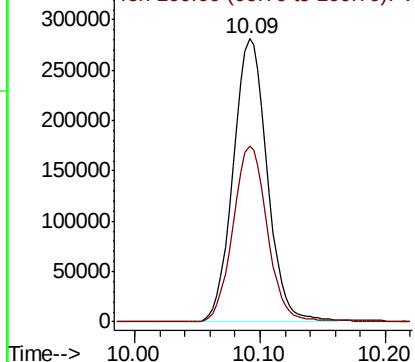


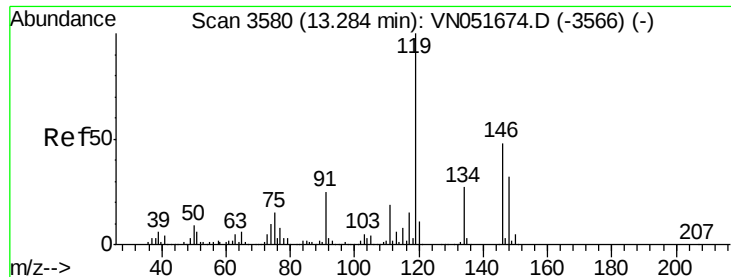
#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051682.D
Acq: 5 Oct 2018 13:13

Tgt Ion: 98 Resp: 530735
Ion Ratio Lower Upper
98 100
100 62.4 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): V





#83

1,3-Dichlorobenzene

Concen: 0.206 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051682.D

Acq: 5 Oct 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

FBSOIL

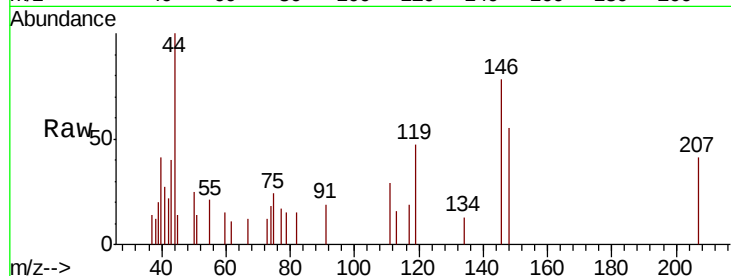
Tot Ion:146 Resp: 1943

Ion Ratio Lower Upper

146 100

111 39.0 18.1 54.3

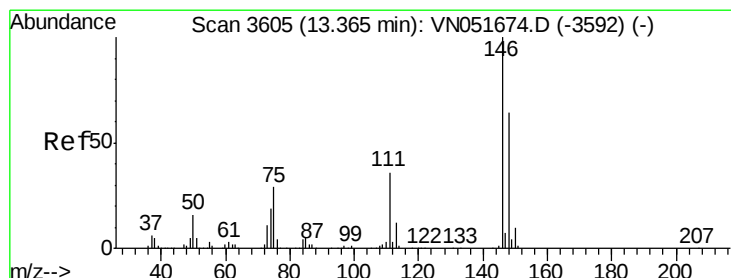
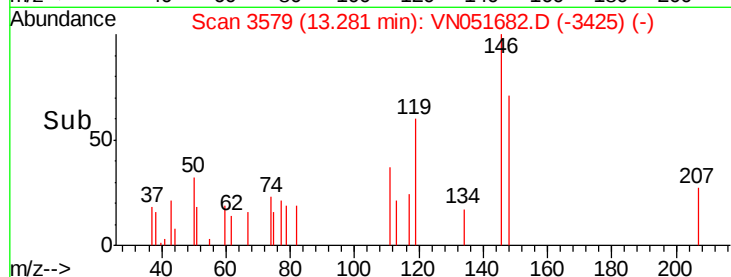
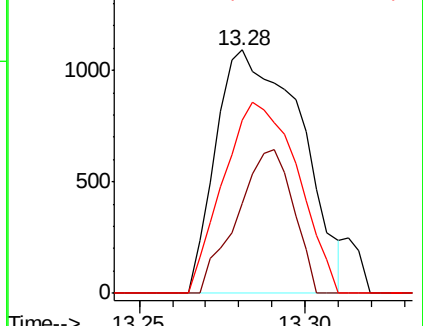
148 68.9 31.3 93.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 0.270 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051682.D

Acq: 5 Oct 2018 13:13

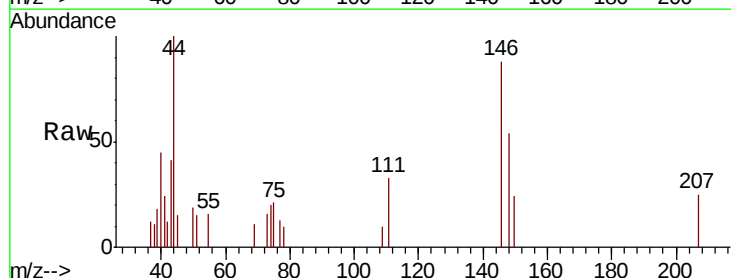
Tgt Ion:146 Resp: 2428

Ion Ratio Lower Upper

146 100

111 29.7 17.4 52.2

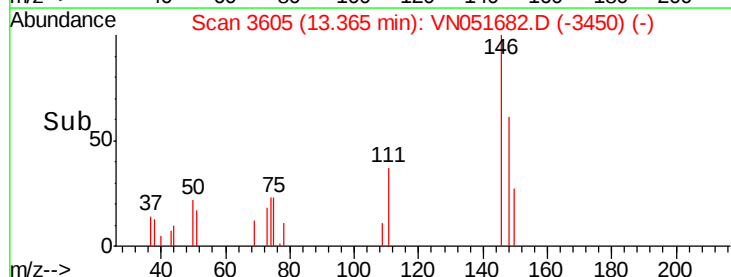
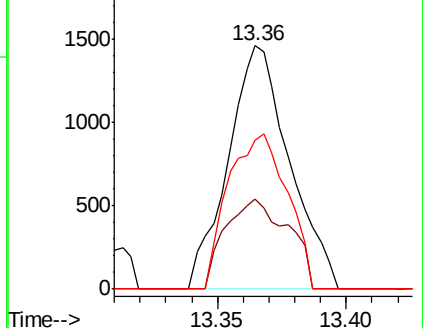
148 61.3 32.8 98.3

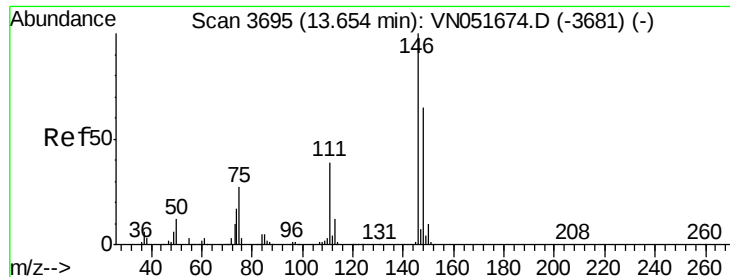


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

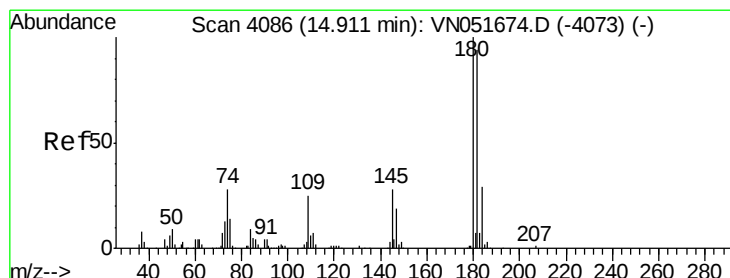
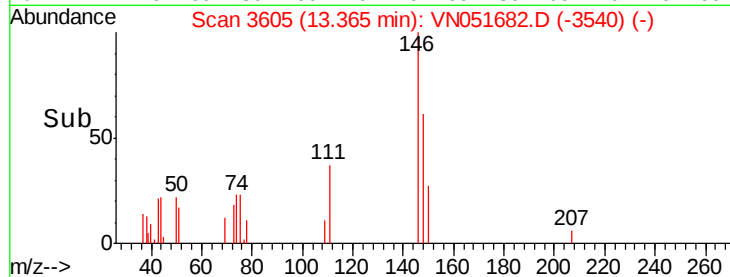
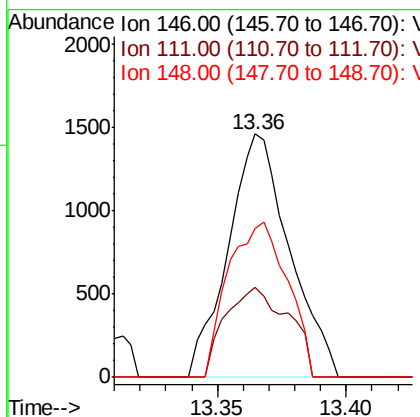
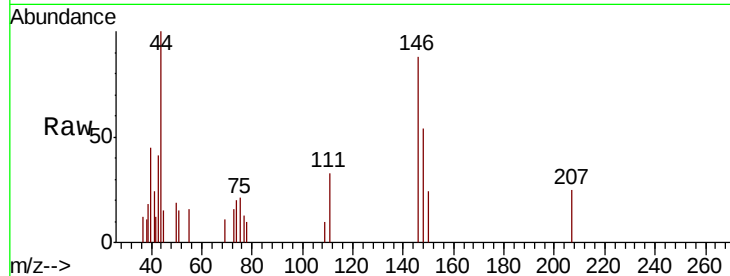




#87
 1,2-Dichlorobenzene
 Concen: 0.263 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.29 min
 Lab File: VN051682.D
 Acq: 5 Oct 2018 13:13

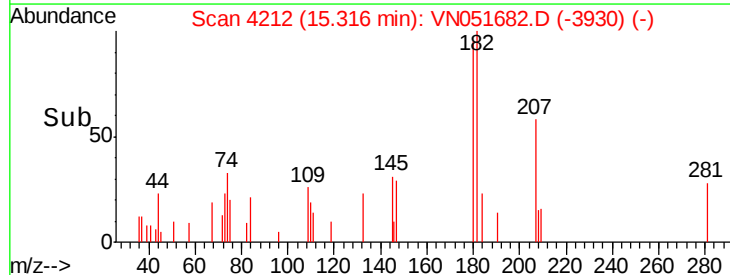
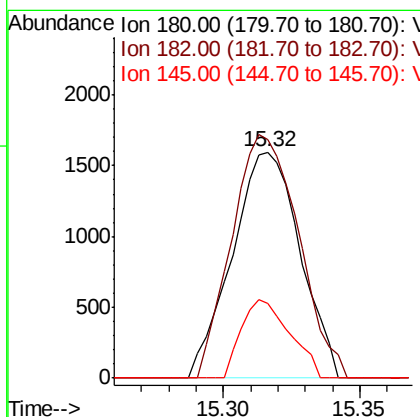
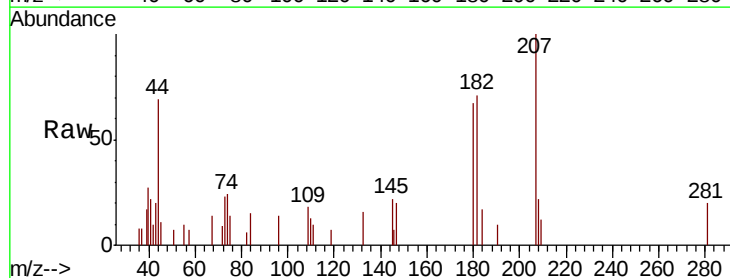
Instrument :
 MSVOA_N
 ClientSampleId :
 FBSOIL

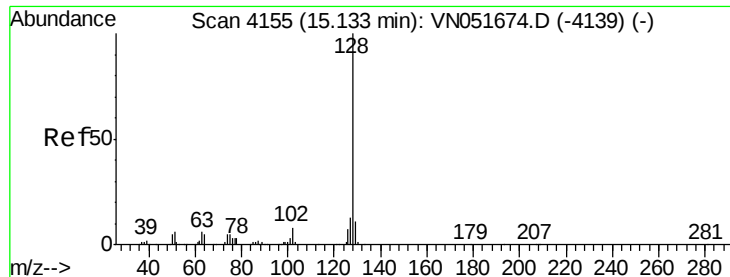
Tot Ion:146 Resp: 2428
 Ion Ratio Lower Upper
 146 100
 111 29.7 20.8 62.2
 148 61.3 33.2 99.6



#89
 1,2,4-Trichlorobenzene
 Concen: 7.320 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.41 min
 Lab File: VN051682.D
 Acq: 5 Oct 2018 13:13

Tgt Ion:180 Resp: 2748
 Ion Ratio Lower Upper
 180 100
 182 106.5 77.7 116.5
 145 24.9 23.4 35.2





#91

Naphthalene

Concen: 0.928 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051682.D

Acq: 5 Oct 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

FBSOIL

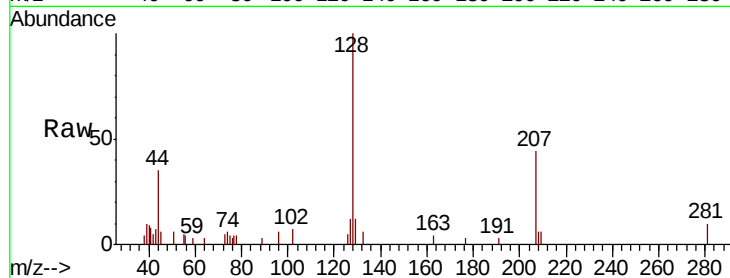
Tot Ion:128 Resp: 8094

Ion Ratio Lower Upper

128 100

127 13.7 10.1 15.1

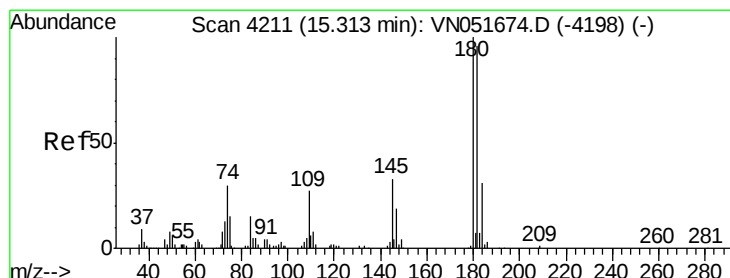
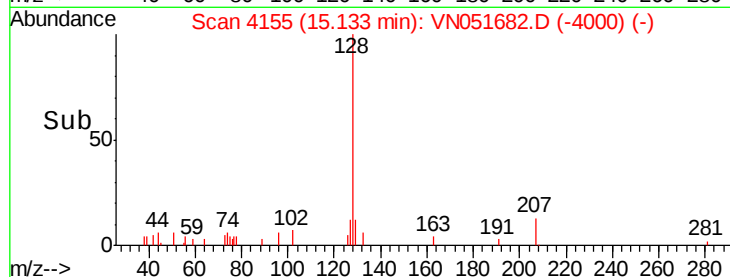
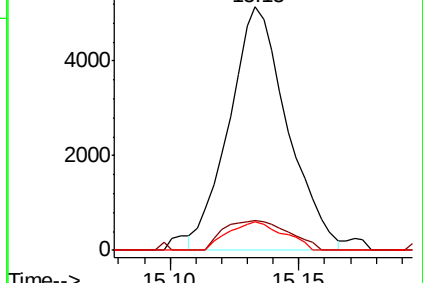
129 11.1 8.4 12.6



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: 0.690 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051682.D

Acq: 5 Oct 2018 13:13

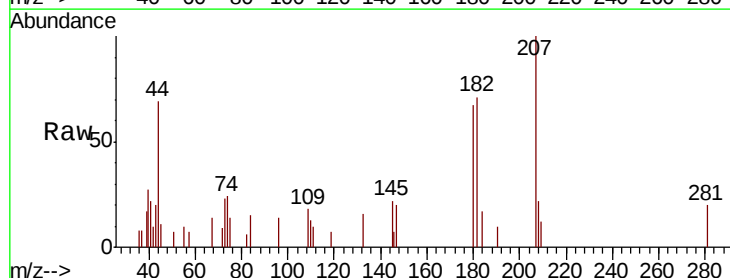
Tgt Ion:180 Resp: 2748

Ion Ratio Lower Upper

180 100

182 106.5 0.0 198.0

145 24.9 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

