

Data File : VN051910.D
Acq On : 18 Oct 2018 12:22
Operator : MD\SY
Sample : VN1018WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBL01

Quant Time: Oct 19 06:41:25 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	155550	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	886313	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	698525	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	283956	30.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.00%
60) 4-Bromofluorobenzene	12.40	95	225886	22.43	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	74.77%
63) Toluene-d8	10.09	98	979719	32.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.67%

Target Compounds

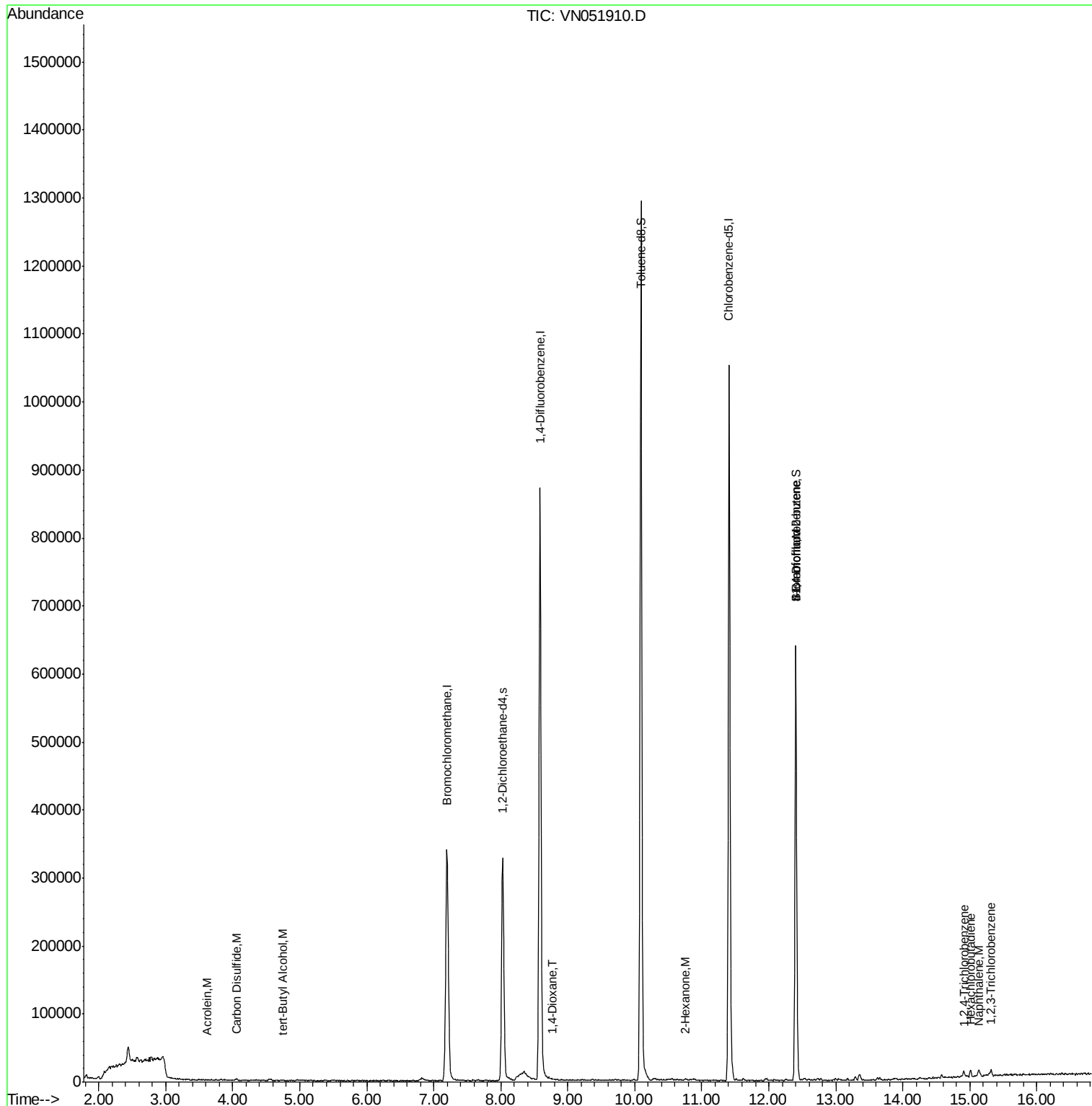
					Qvalue	
13) Acrolein	3.63	56	116	0.396	ug/l	99
16) Carbon Disulfide	4.06	76	4343	0.231	ug/l	97
23) tert-Butyl Alcohol	4.75	59	160	0.306	ug/l #	100
45) 1,4-Dioxane	8.77	88	109	1.311	ug/l #	1
56) Bromoform	12.41	173	2168	0.326	ug/l #	1
59) 2-Hexanone	10.76	43	1736	0.550	ug/l #	53
77) t-1,4-Dichloro-2-butene	12.40	75	112397	53.515	ug/l #	12
89) 1,2,4-Trichlorobenzene	14.91	180	2598	7.955	ug/l #	62
90) Hexachlorobutadiene	15.01	225	1717	0.308	ug/l	64
91) Naphthalene	15.13	128	8359	8.887	ug/l #	79
92) 1,2,3-Trichlorobenzene	15.31	180	3984	0.506	ug/l	88

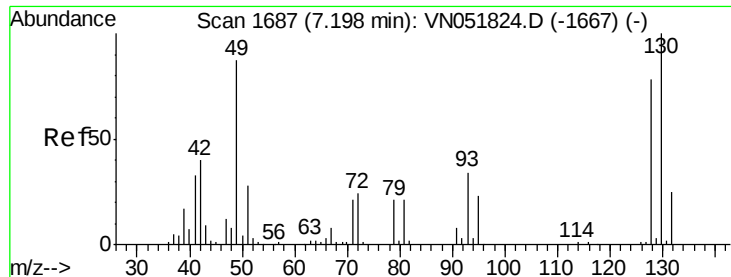
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051910.D

Acq: 18 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampled :

VN1018WBL01

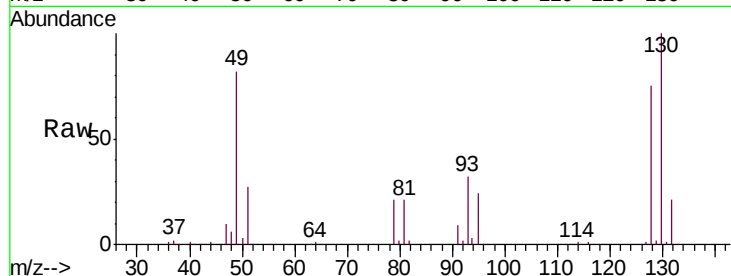
Tgt Ion:128 Resp: 155550

Ion Ratio Lower Upper

128 100

49 109.2 0.0 403.3

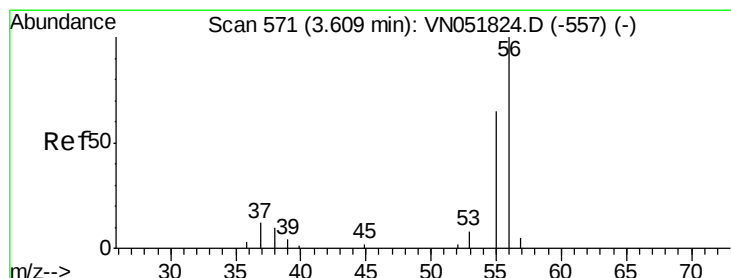
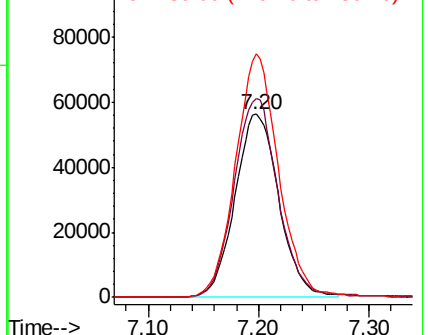
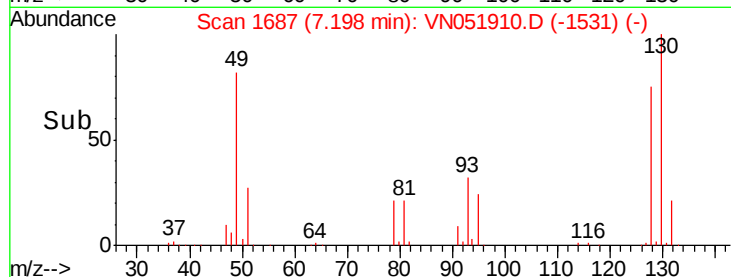
130 129.7 0.0 326.0



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



#13

Acrolein

Concen: 0.396 ug/l

RT: 3.63 min Scan# 577

Delta R.T. 0.02 min

Lab File: VN051910.D

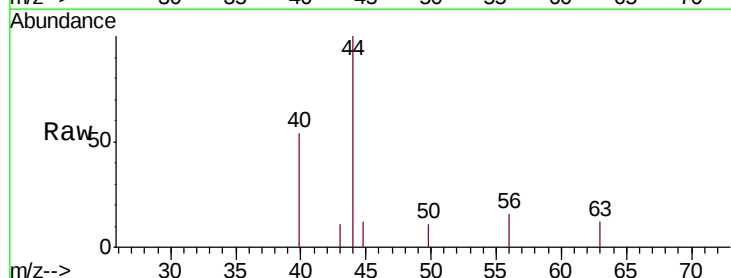
Acq: 18 Oct 2018 12:22

Tgt Ion: 56 Resp: 116

Ion Ratio Lower Upper

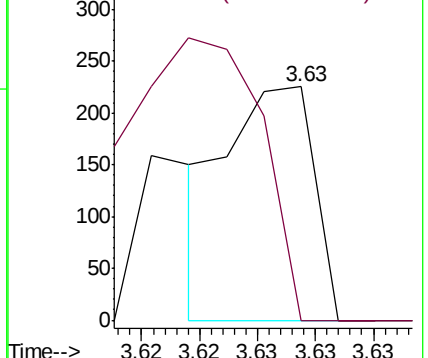
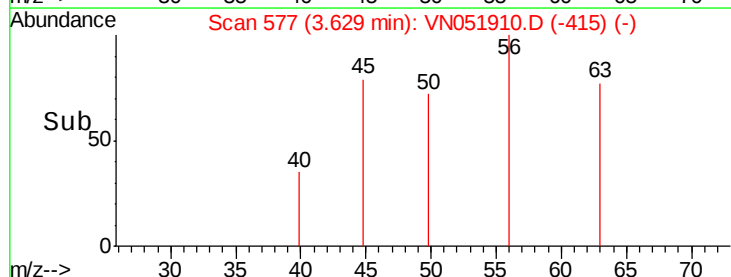
56 100

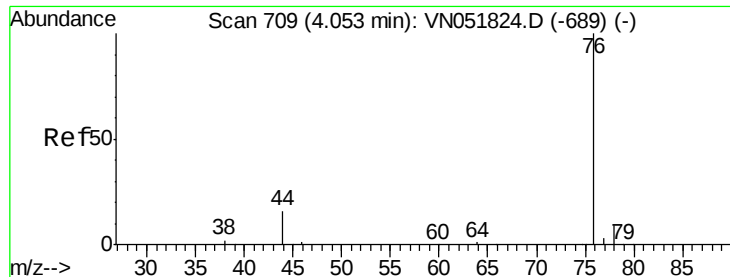
55 79.3 64.0 96.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

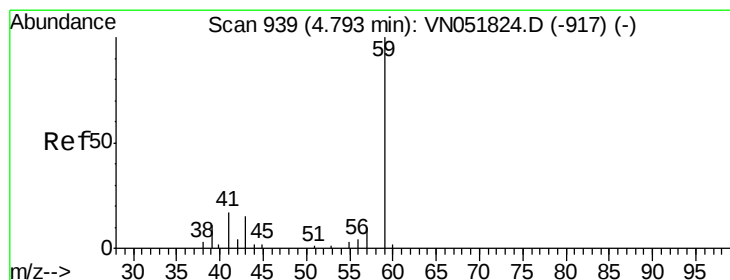
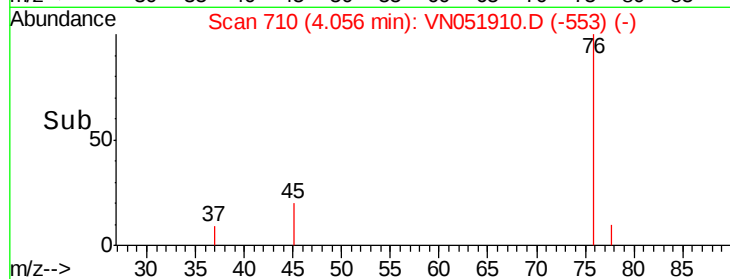
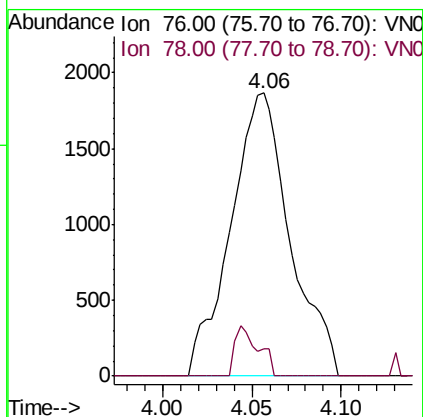
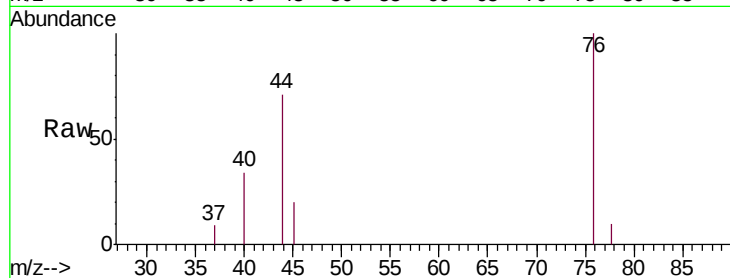




#16
Carbon Disulfide
Concen: 0.231 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN051910.D
Acq: 18 Oct 2018 12:22

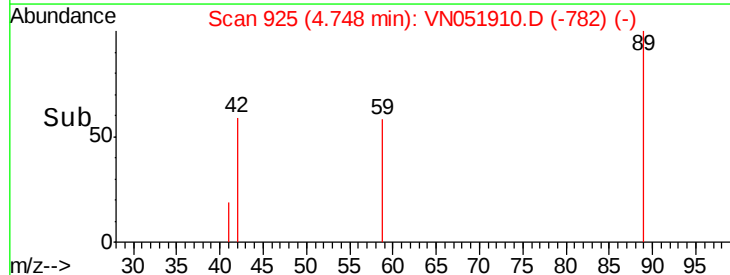
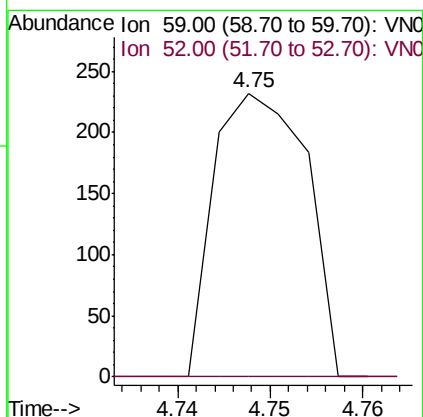
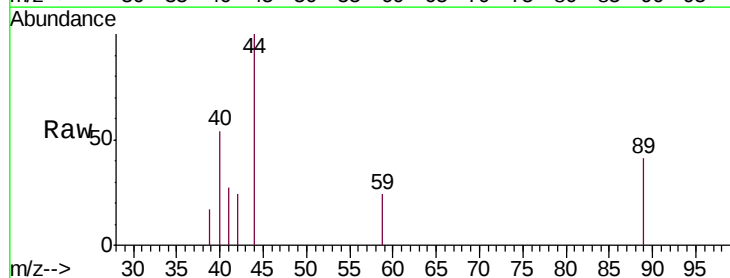
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBL01

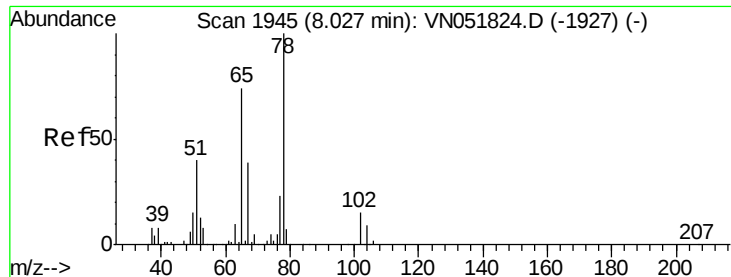
Tgt Ion: 76 Resp: 4343
Ion Ratio Lower Upper
76 100
78 9.6 6.7 10.1



#23
tert-Butyl Alcohol
Concen: 0.306 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VN051910.D
Acq: 18 Oct 2018 12:22

Tgt Ion: 59 Resp: 160
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# 1945

Delta R.T. 0.00 min

Lab File: VN051910.D

Acq: 18 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampled :

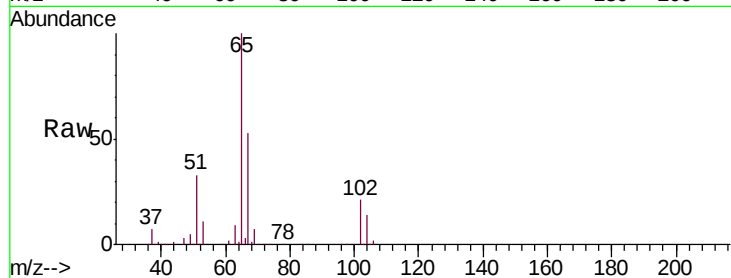
VN1018WBL01

Tgt Ion: 65 Resp: 283956

Ion Ratio Lower Upper

65 100

67 51.4 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN051824.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN051824.D (-1927) (-)

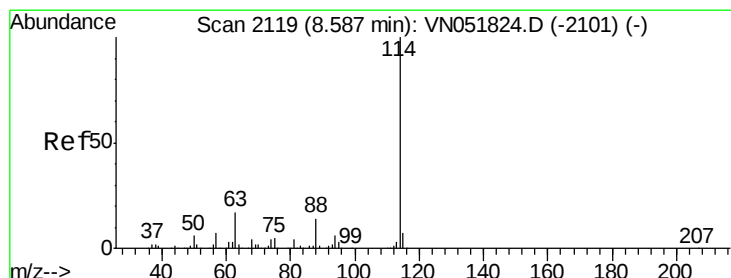
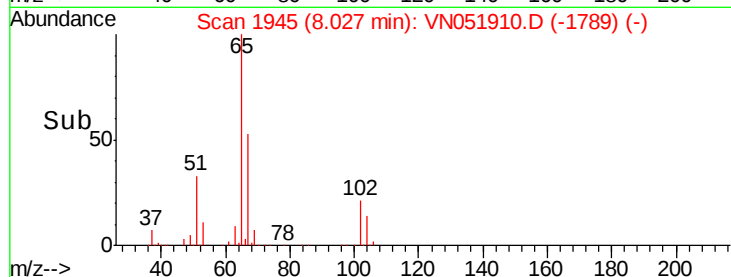
8.03

100000

50000

0

Time--> 7.90 8.00 8.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051910.D

Acq: 18 Oct 2018 12:22

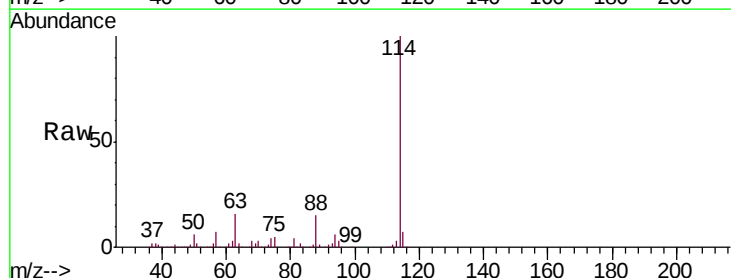
Tgt Ion: 114 Resp: 886313

Ion Ratio Lower Upper

114 100

63 16.1 16.2 24.2#

88 14.2 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051824.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051824.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN051824.D (-2101) (-)

8.59

500000

400000

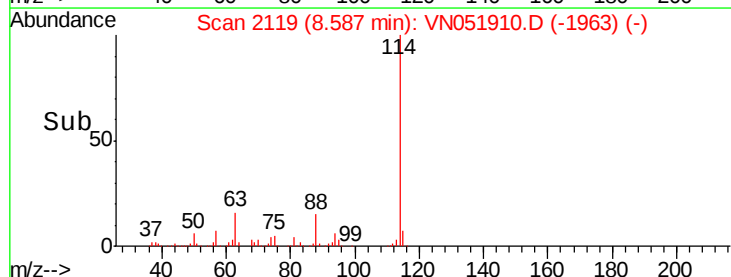
300000

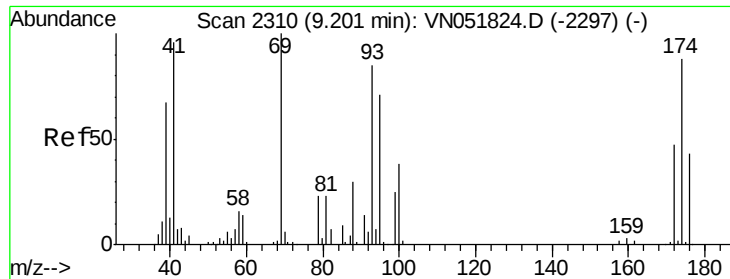
200000

100000

0

Time--> 8.50 8.60 8.70

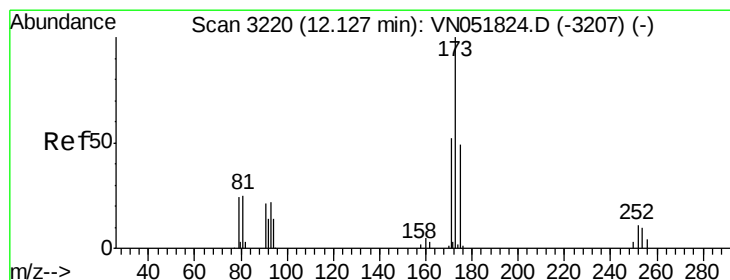
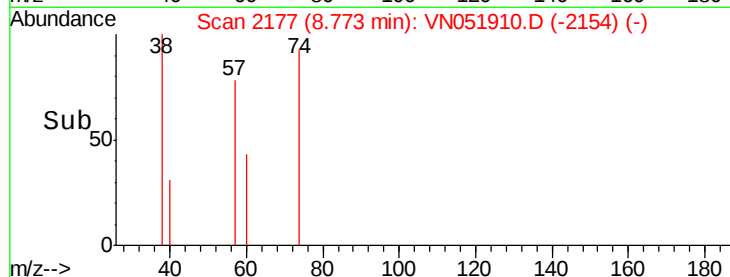
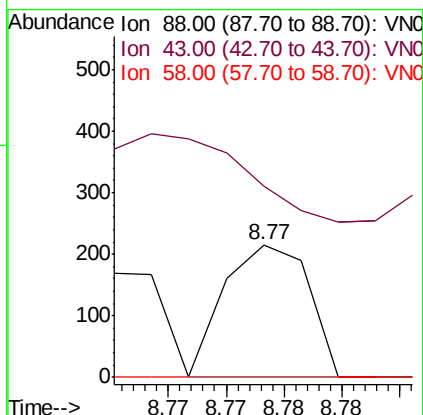
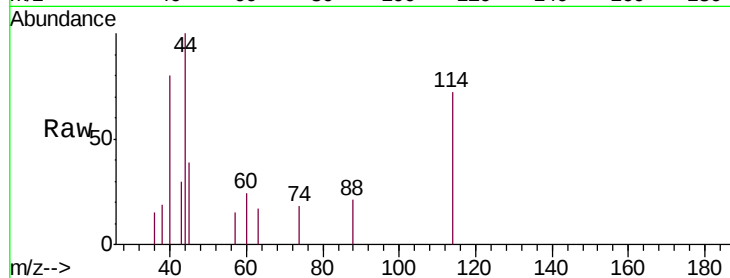




#45
 1,4-Dioxane
 Concen: 1.311 ug/l
 RT: 8.77 min Scan# 2177
 Delta R.T. -0.43 min
 Lab File: VN051910.D
 Acq: 18 Oct 2018 12:22

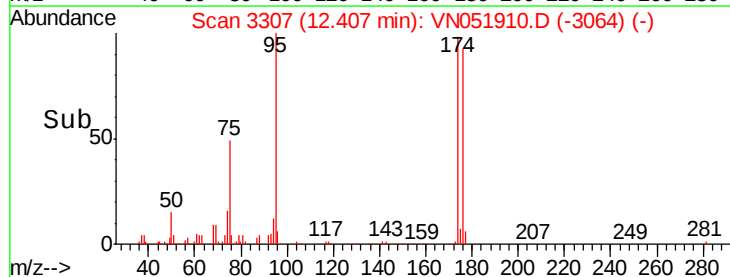
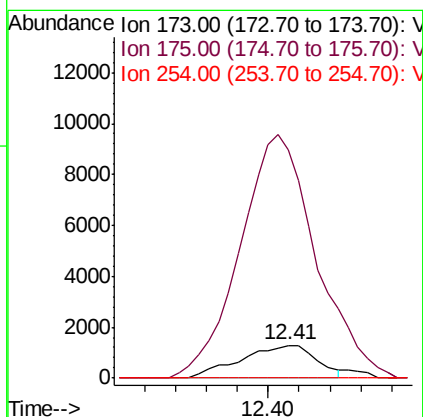
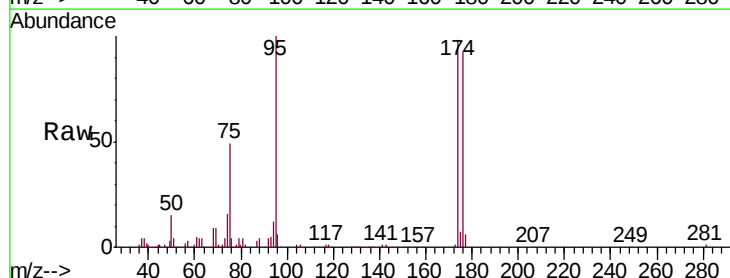
Instrument :
 MSVOA_N
 ClientSampled :
 VN1018WBL01

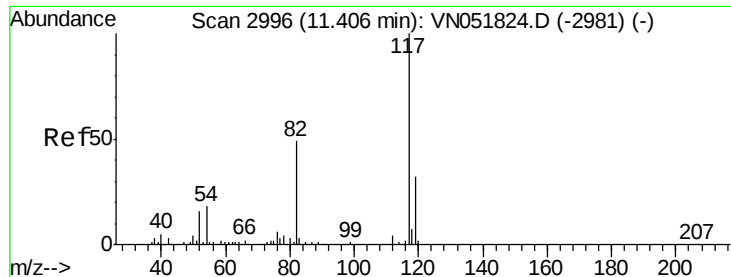
Tgt Ion: 88 Resp: 109
 Ion Ratio Lower Upper
 88 100
 43 182.6 26.2 39.2#
 58 0.0 65.6 98.4#



#56
 Bromoform
 Concen: 0.326 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.28 min
 Lab File: VN051910.D
 Acq: 18 Oct 2018 12:22

Tgt Ion: 173 Resp: 2168
 Ion Ratio Lower Upper
 173 100
 175 750.3 35.8 53.8#
 254 0.0 8.6 13.0#

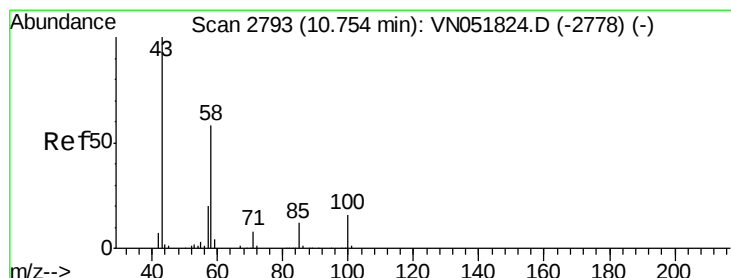
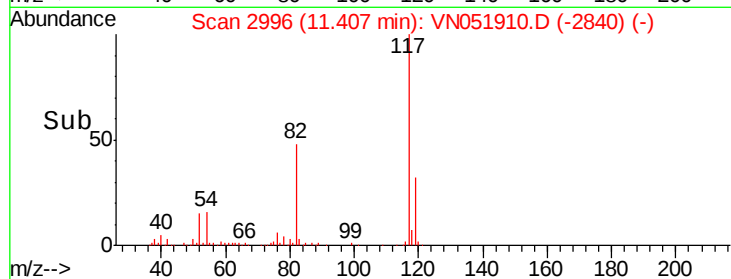
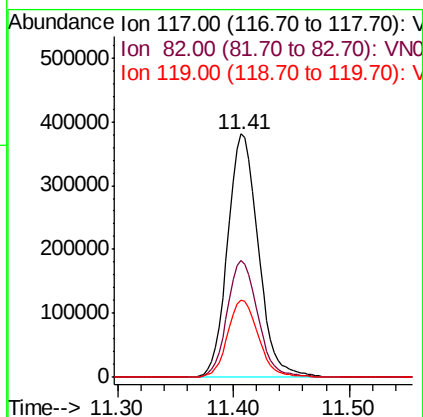
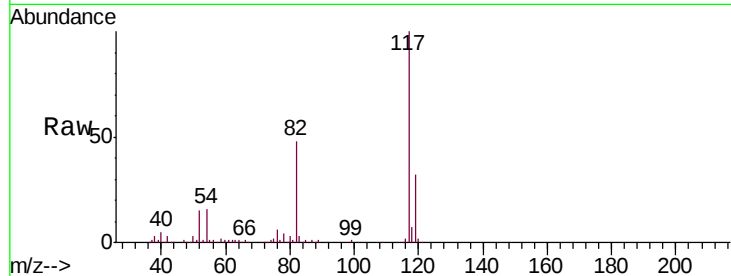




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051910.D
Acq: 18 Oct 2018 12:22

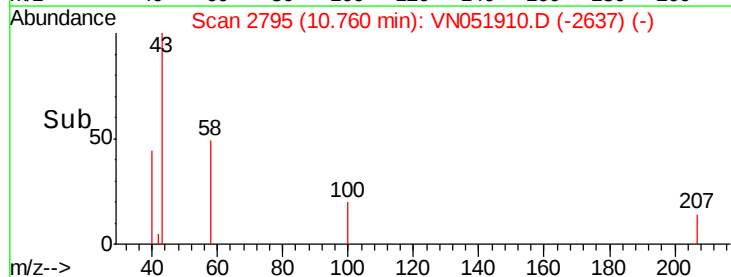
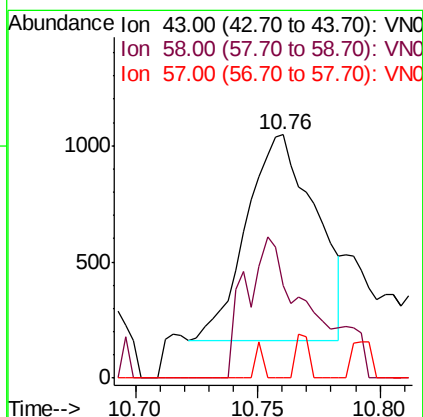
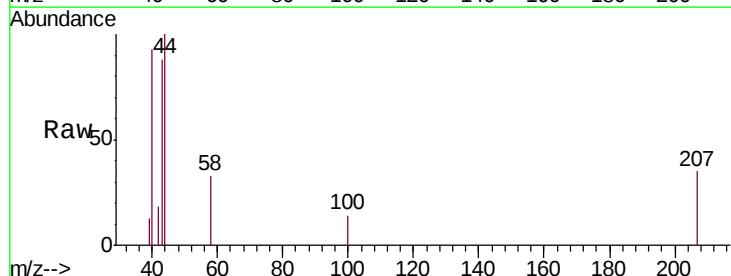
Instrument :
MSVOA_N
ClientSampled :
VN1018WBL01

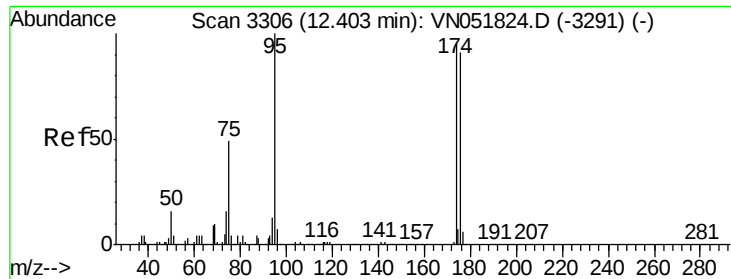
Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.2	44.1	66.1
119	31.9	25.8	38.8



#59
2-Hexanone
Concen: 0.550 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN051910.D
Acq: 18 Oct 2018 12:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	14.4	41.3	61.9#
57	4.1	13.4	20.0#





#60

4-Bromofluorobenzene

Concen: 0.550 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051910.D

Acq: 18 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBL01

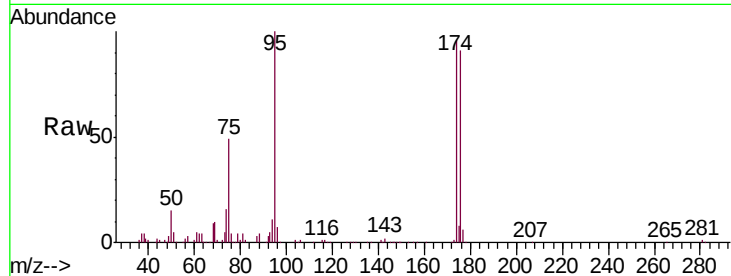
Tgt Ion: 95 Resp: 225886

Ion Ratio Lower Upper

95 100

174 97.4 73.5 110.3

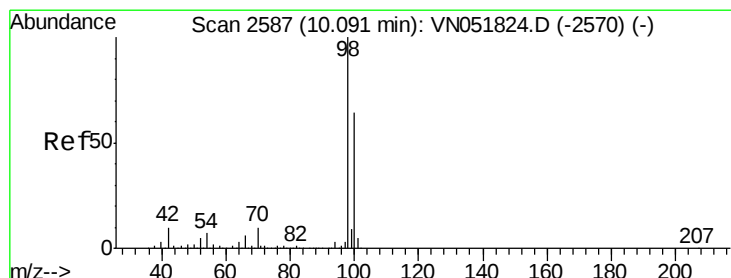
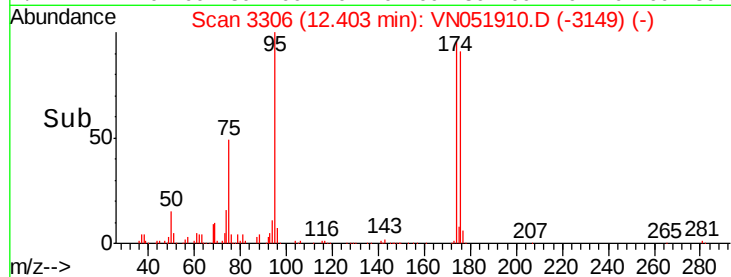
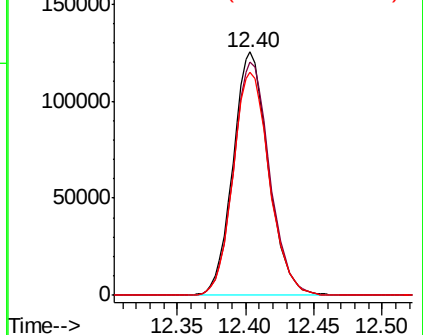
176 93.7 70.2 105.2



Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): VN

Ion 176.00 (175.70 to 176.70): VN



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051910.D

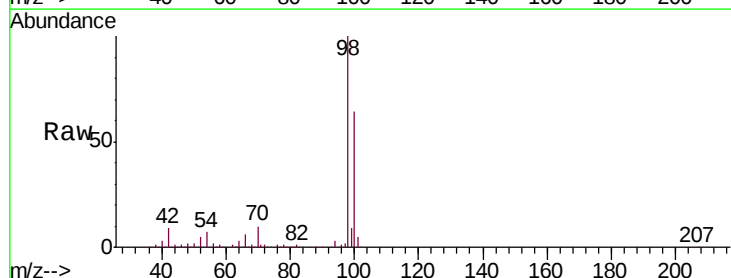
Acq: 18 Oct 2018 12:22

Tgt Ion: 98 Resp: 979719

Ion Ratio Lower Upper

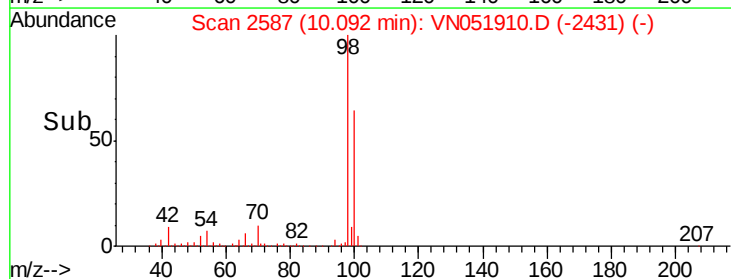
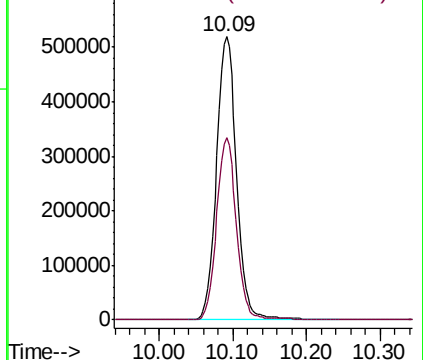
98 100

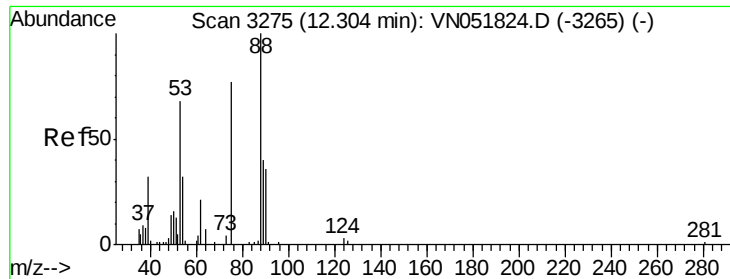
100 63.3 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#77

t-1,4-Dichloro-2-butene

Concen: 53.515 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051910.D

Acq: 18 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBL01

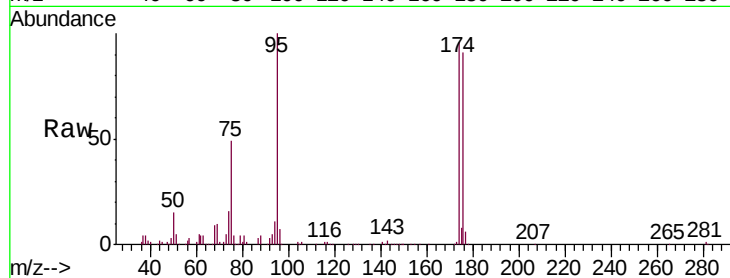
Tgt Ion: 75 Resp: 112397

Ion Ratio Lower Upper

75 100

53 0.0 46.3 138.9#

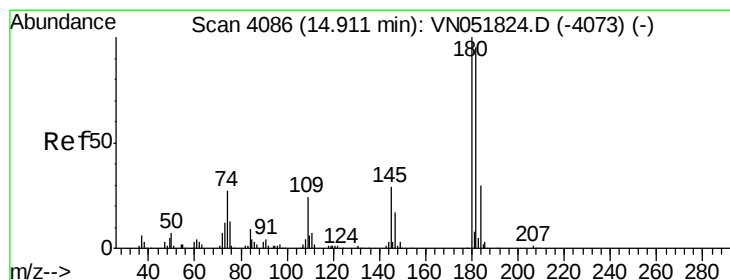
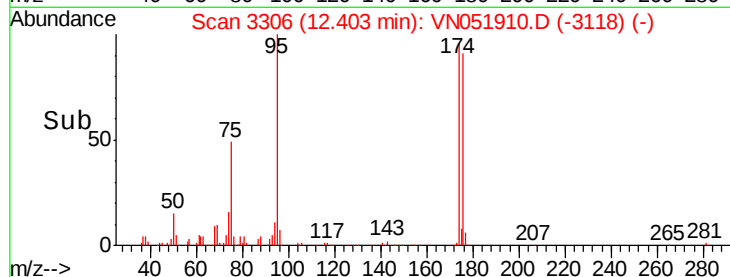
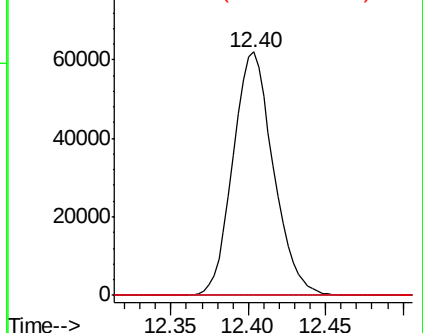
89 0.0 24.6 73.8#



Abundance Ion 75.00 (74.70 to 75.70): VN051910.D (-3118) (-)

Ion 53.00 (52.70 to 53.70): VN051910.D (-3118) (-)

Ion 89.00 (88.70 to 89.70): VN051910.D (-3118) (-)



#89

1,2,4-Trichlorobenzene

Concen: 7.955 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051910.D

Acq: 18 Oct 2018 12:22

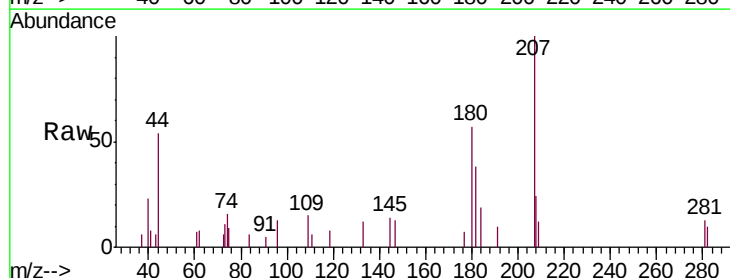
Tgt Ion: 180 Resp: 2598

Ion Ratio Lower Upper

180 100

182 49.3 77.7 116.5#

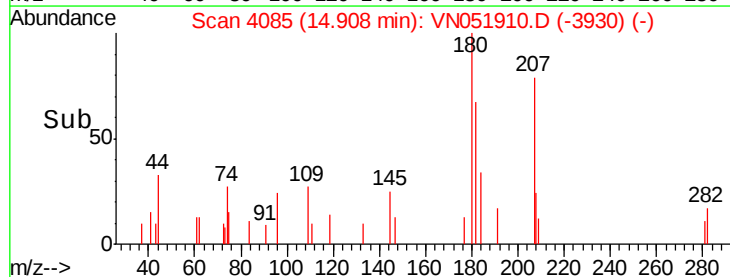
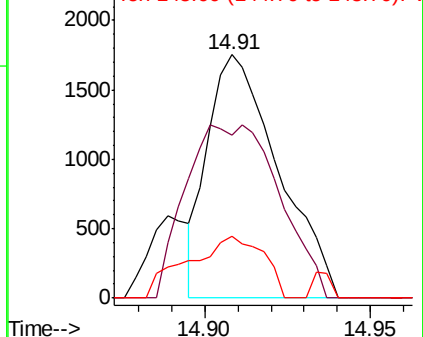
145 27.1 23.4 35.2

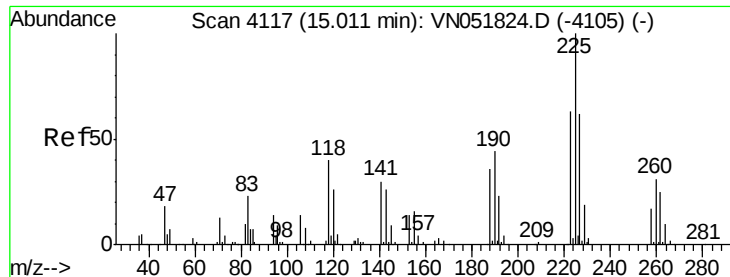


Abundance Ion 180.00 (179.70 to 180.70): VN051910.D (-3930) (-)

Ion 182.00 (181.70 to 182.70): VN051910.D (-3930) (-)

Ion 145.00 (144.70 to 145.70): VN051910.D (-3930) (-)





#90

Hexachlorobutadiene

Concen: 0.308 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051910.D

Acq: 18 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBL01

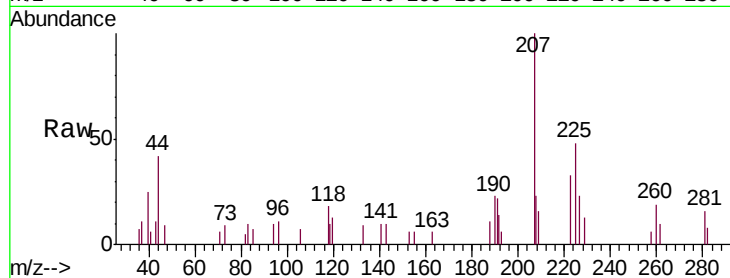
Tgt Ion:225 Resp: 1717

Ion Ratio Lower Upper

225 100

223 83.9 0.0 117.0

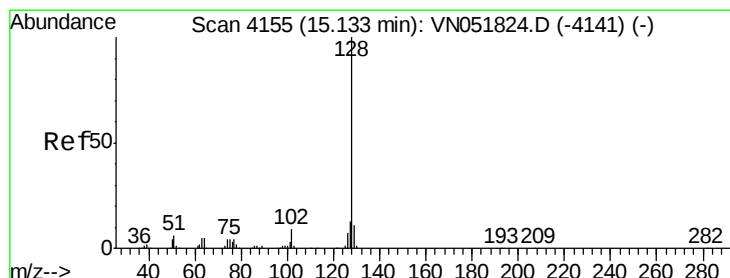
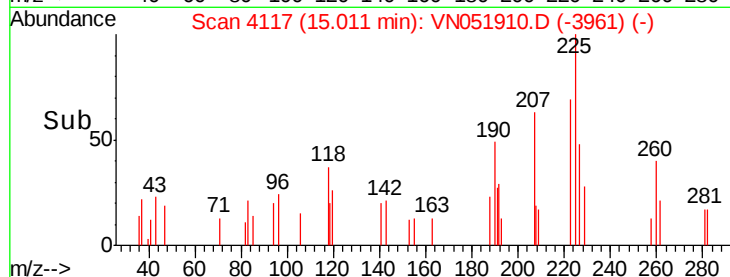
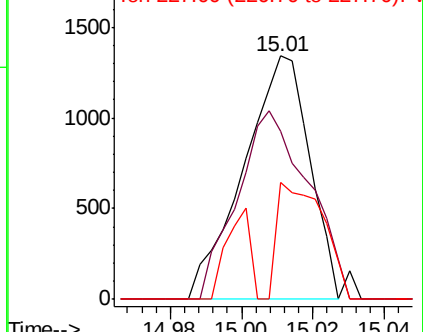
227 33.6 0.0 127.0



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: 8.887 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051910.D

Acq: 18 Oct 2018 12:22

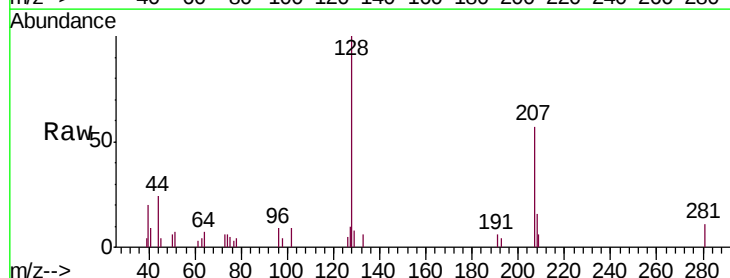
Tgt Ion:128 Resp: 8359

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

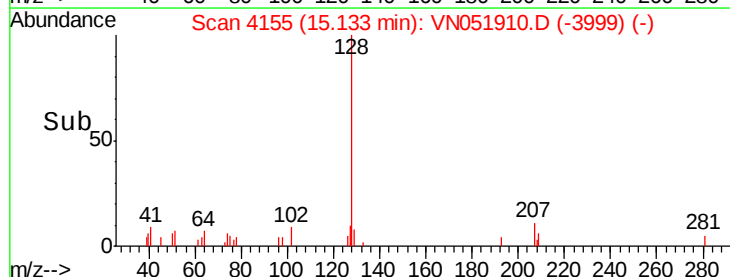
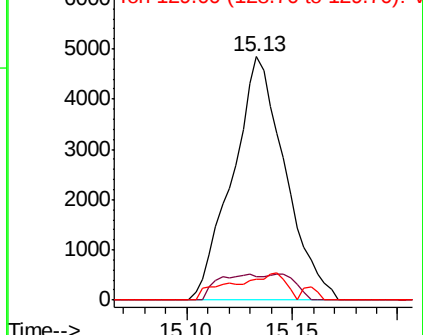
129 7.4 8.4 12.6#

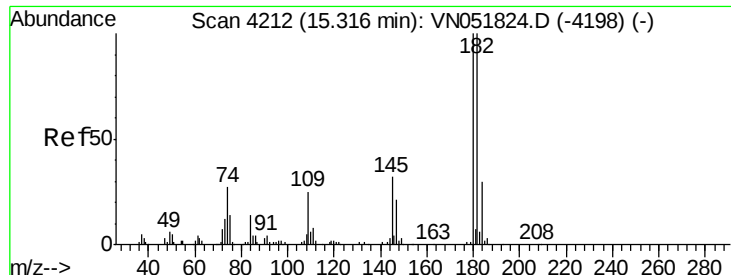


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

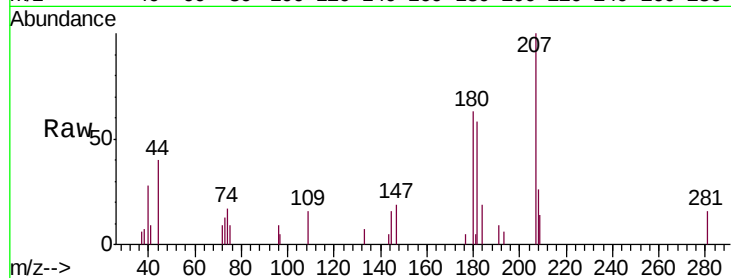




#92
 1,2,3-Trichlorobenzene
 Concen: 0.506 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN051910.D
 Acq: 18 Oct 2018 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.8	0.0	198.0
145	19.6	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

