

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051294.D
 Acq On : 18 Sep 2018 13:47
 Operator : MD\SY
 Sample : J4921-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-20

Quant Time: Sep 18 15:01:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	98310	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	474820	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	379950	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	178790	28.50	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.00%
60) 4-Bromofluorobenzene	12.40	95	111008	19.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	65.50%
63) Toluene-d8	10.09	98	548071	30.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.10%

Target Compounds

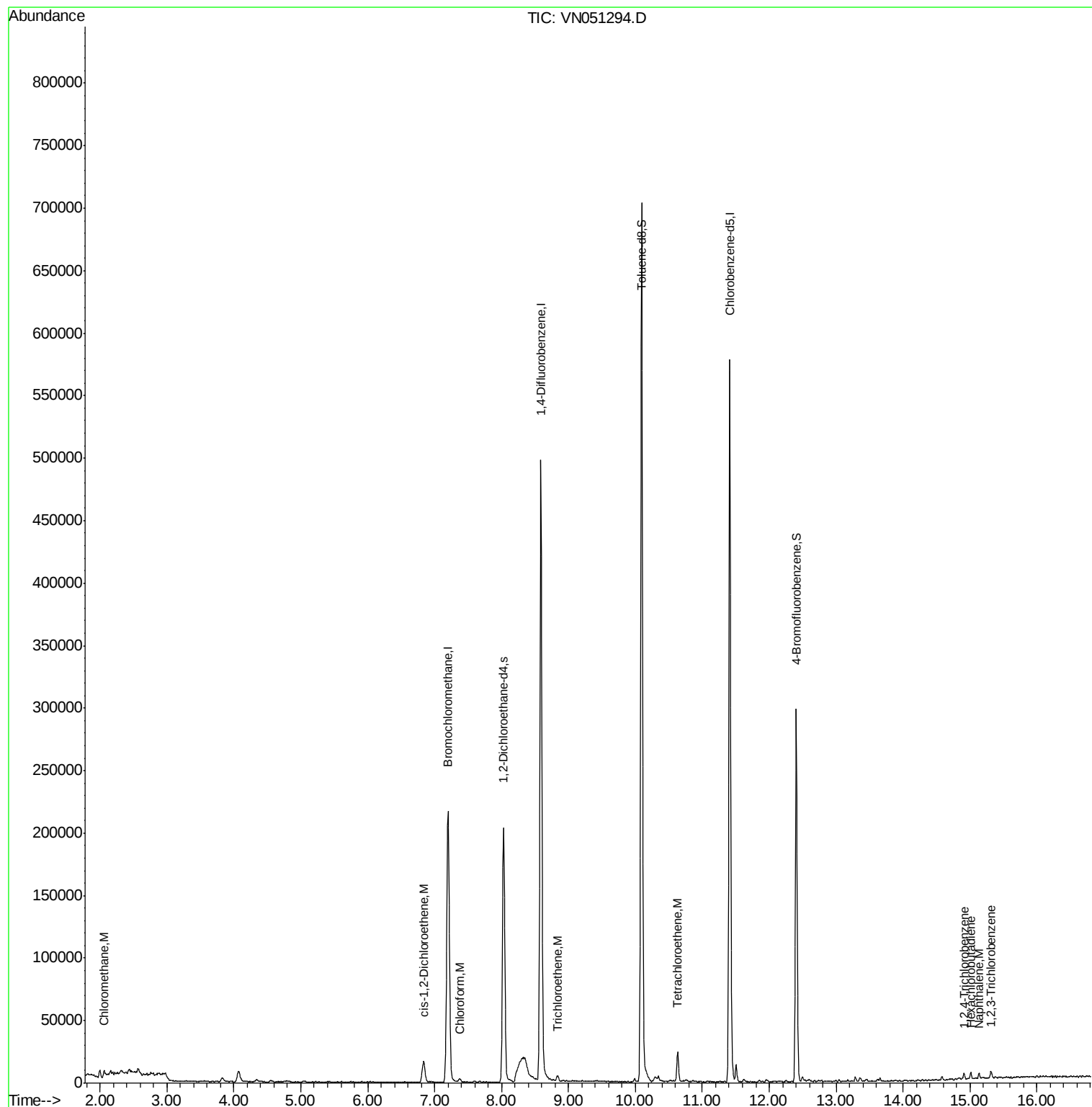
					Qvalue
3) Chloromethane	2.06	50	3844	0.533 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	10334	1.616 ug/l	90
25) Chloroform	7.37	83	2846	0.268 ug/l #	83
37) Trichloroethene	8.84	130	1758	0.306 ug/l	85
61) Tetrachloroethene	10.63	164	6303	1.331 ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	1970	0.471 ug/l	90
90) Hexachlorobutadiene	15.01	225	1295	0.456 ug/l	88
91) Naphthalene	15.14	128	4234	8.903 ug/l	97
92) 1,2,3-Trichlorobenzene	15.31	180	2303	0.549 ug/l	58

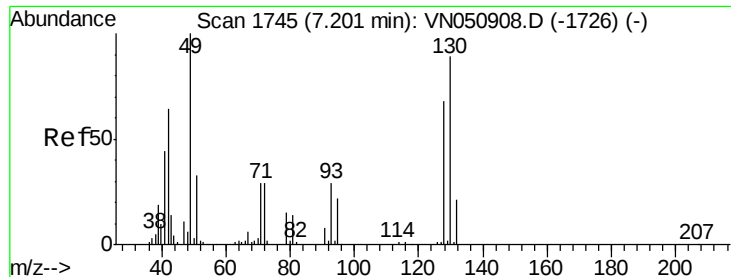
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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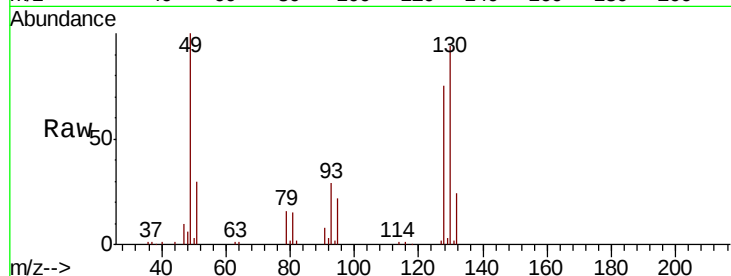




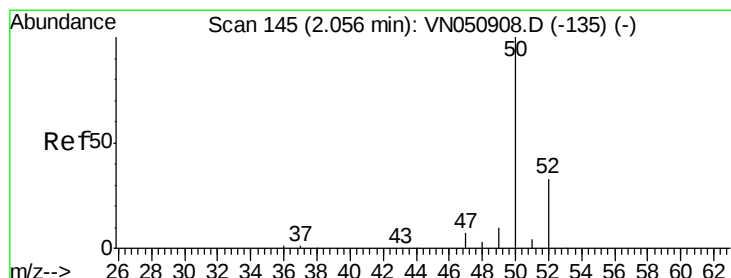
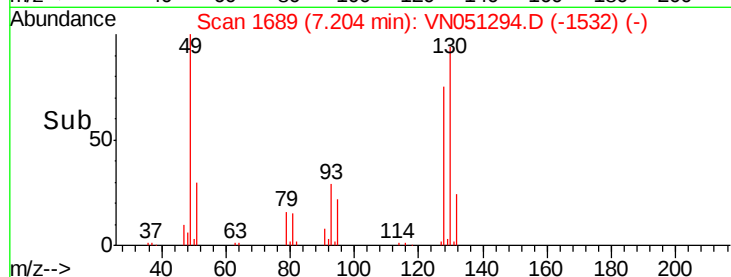
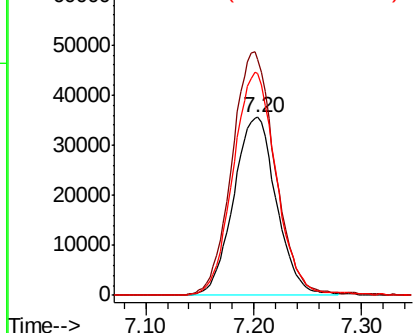
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN051294.D
Acq: 18 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampled :
2-AVE-20

Tgt Ion:128 Resp: 98310
Ion Ratio Lower Upper
128 100
49 137.8 0.0 380.3
130 125.3 0.0 325.3

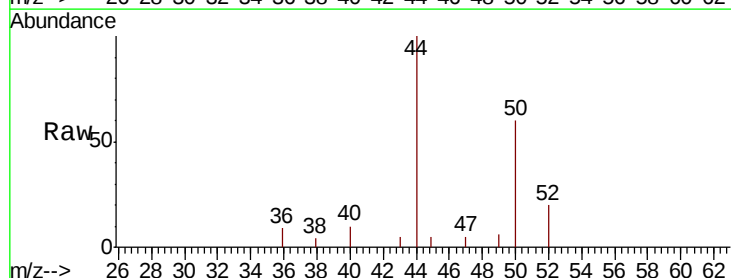


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

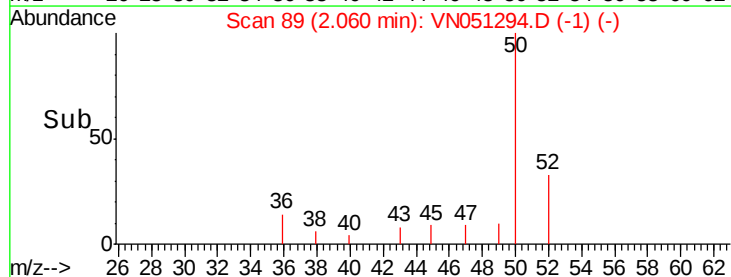
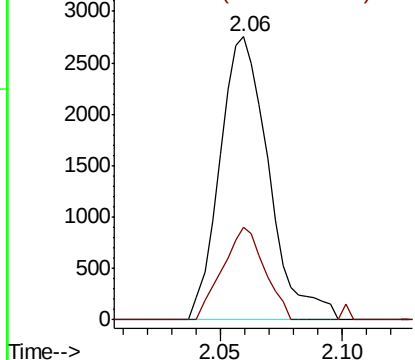


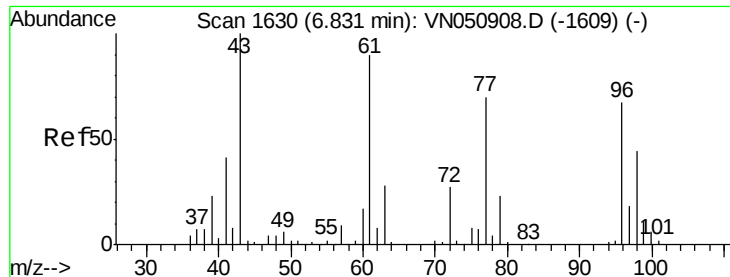
#3
Chloromethane
Concen: 0.533 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN051294.D
Acq: 18 Sep 2018 13:47

Tgt Ion: 50 Resp: 3844
Ion Ratio Lower Upper
50 100
52 32.7 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VN
Ion 52.00 (51.70 to 52.70): VN





#22

cis-1,2-Dichloroethene

Concen: 1.616 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051294.D

Acq: 18 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

2-AVE-20

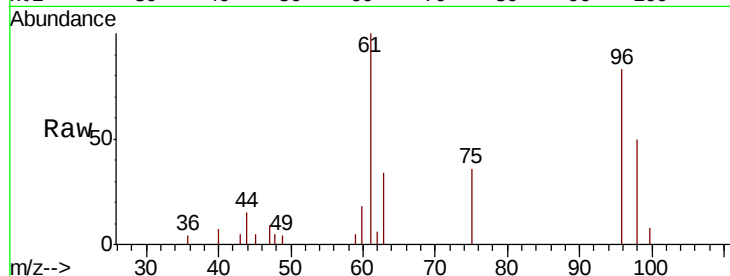
Tgt Ion: 96 Resp: 10334

Ion Ratio Lower Upper

96 100

61 121.9 110.0 165.0

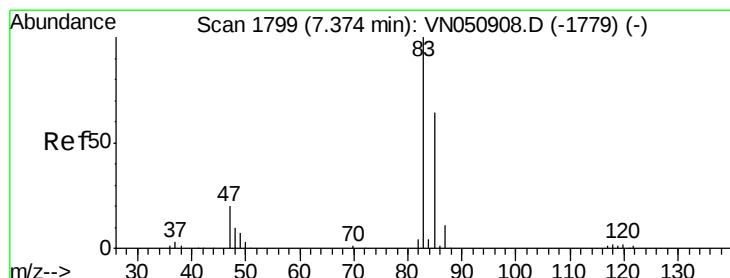
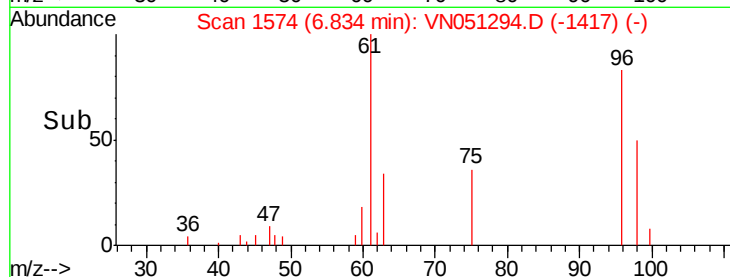
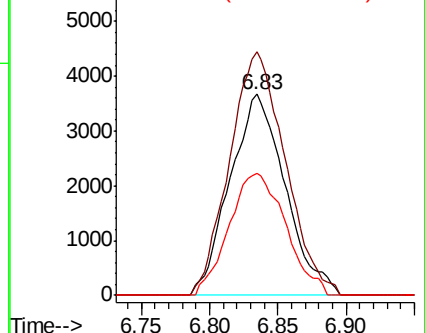
98 62.0 51.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#25

Chloroform

Concen: 0.268 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051294.D

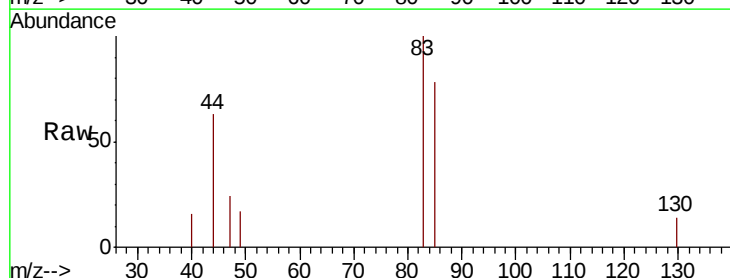
Acq: 18 Sep 2018 13:47

Tgt Ion: 83 Resp: 2846

Ion Ratio Lower Upper

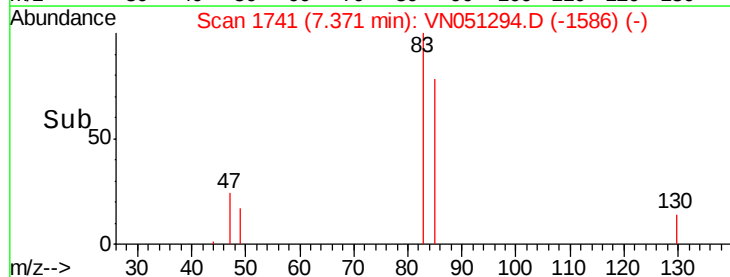
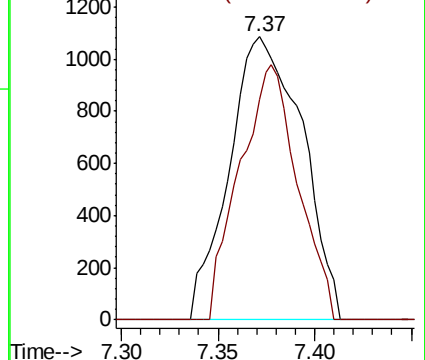
83 100

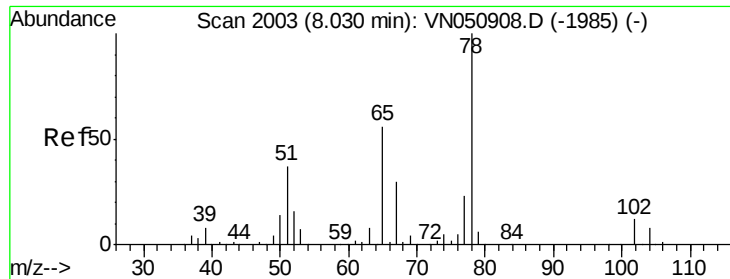
85 77.8 51.4 77.0#



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 28.499 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051294.D

Acq: 18 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

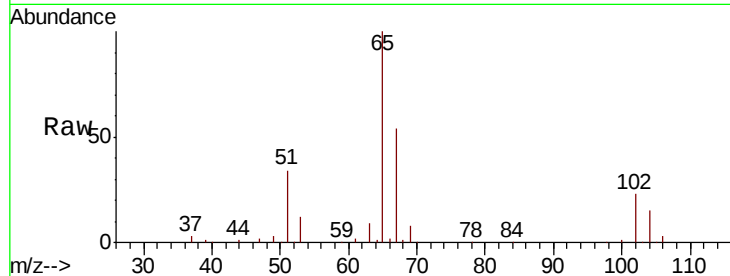
2-AVE-20

Tgt Ion: 65 Resp: 178790

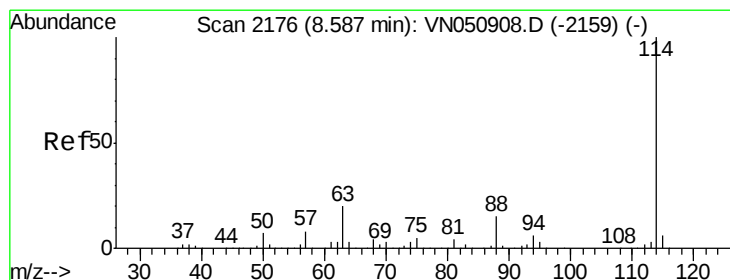
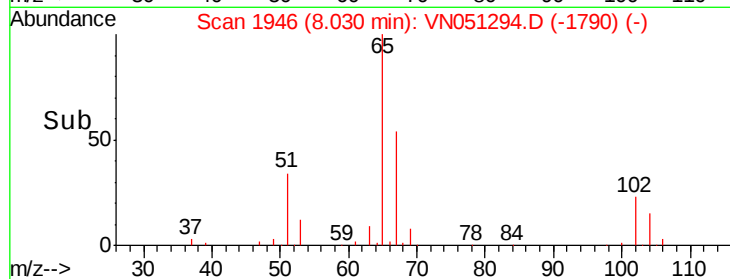
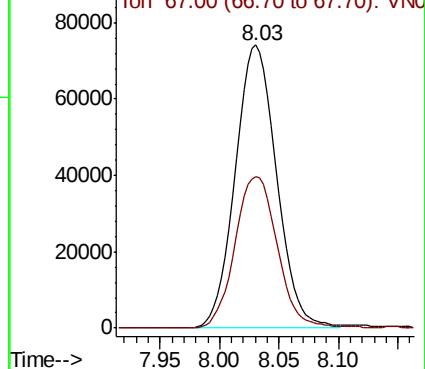
Ion Ratio Lower Upper

65 100

67 54.7 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN051294.D (-1946) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2120

Delta R.T. 0.00 min

Lab File: VN051294.D

Acq: 18 Sep 2018 13:47

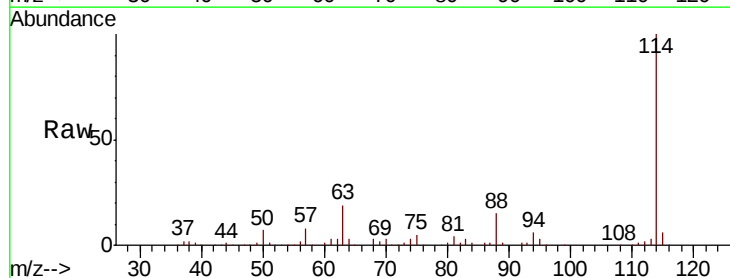
Tgt Ion: 114 Resp: 474820

Ion Ratio Lower Upper

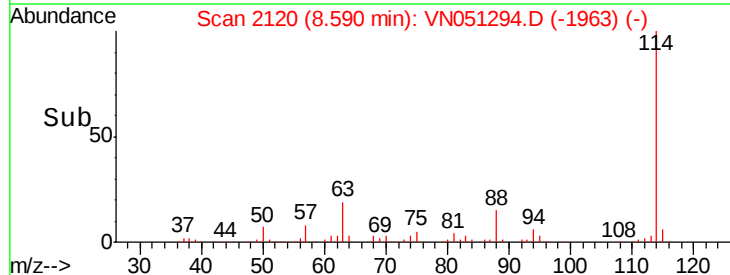
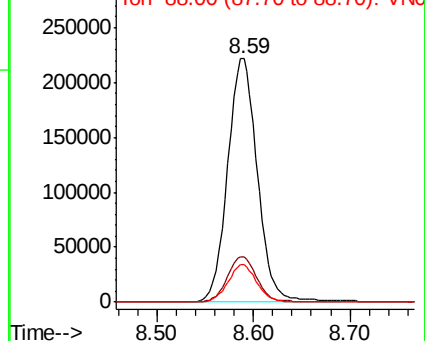
114 100

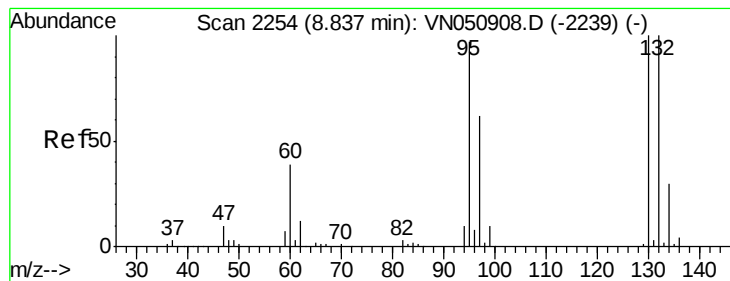
63 18.7 15.6 23.4

88 14.9 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051294.D (-2120) (-)





#37

Trichloroethene

Concen: 0.306 ug/l

RT: 8.84 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VN051294.D

Acq: 18 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

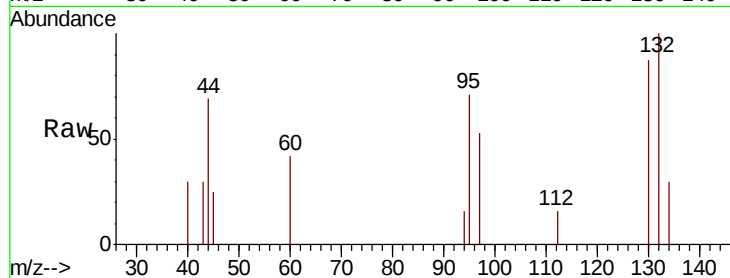
2-AVE-20

Tgt Ion:130 Resp: 1758

Ion Ratio Lower Upper

130 100

95 81.7 77.4 116.0



Abundance Ion 129.90 (129.60 to 130.60): V

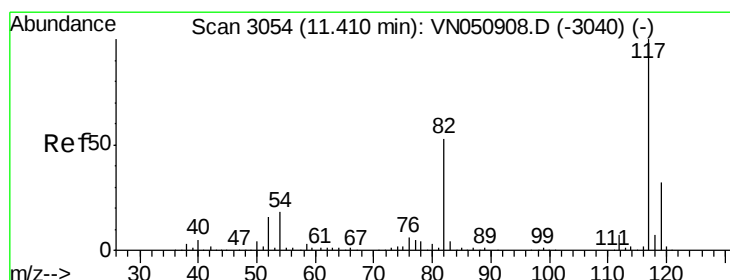
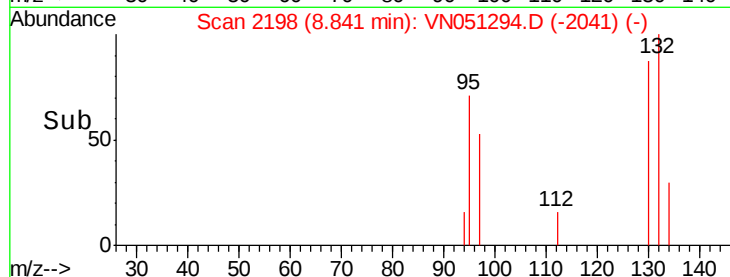
Ion 94.90 (94.60 to 95.60): VN

8.84

8.80

8.85

Time-->



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051294.D

Acq: 18 Sep 2018 13:47

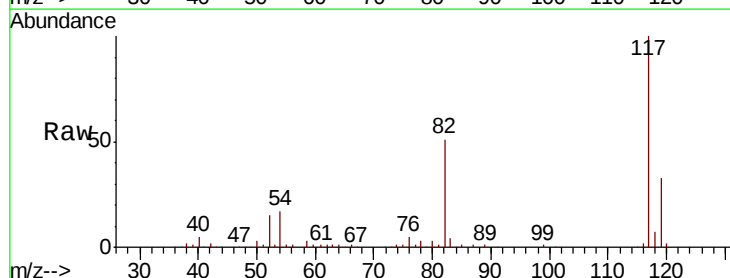
Tgt Ion:117 Resp: 379950

Ion Ratio Lower Upper

117 100

82 51.5 42.6 64.0

119 32.6 25.7 38.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN

Ion 119.00 (118.70 to 119.70): V

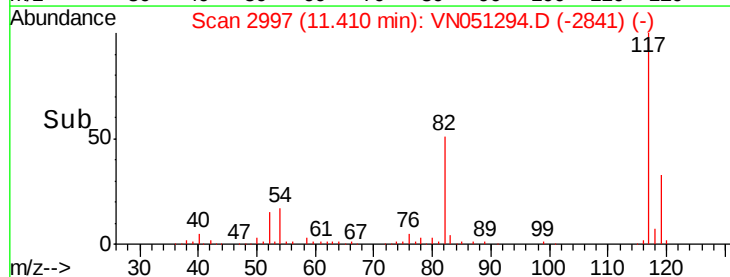
11.41

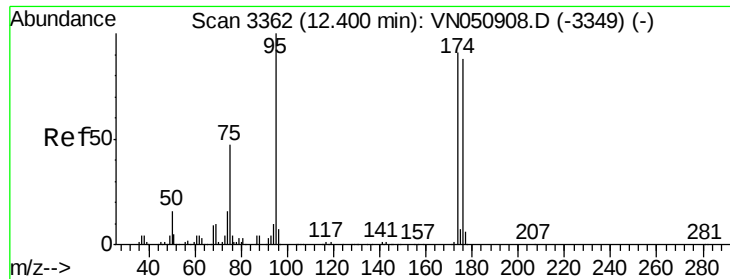
11.30

11.40

11.50

Time-->

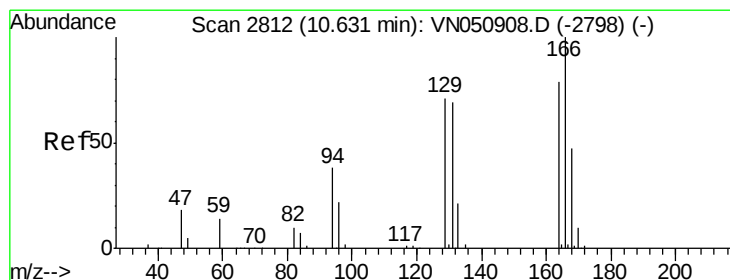
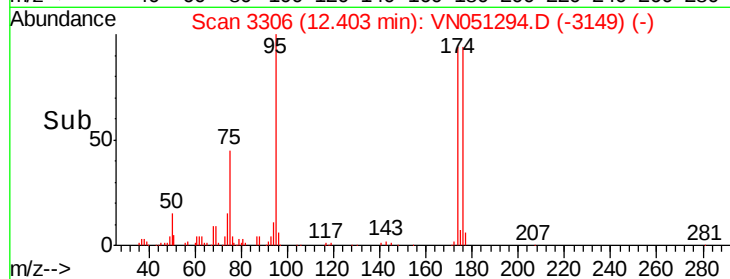
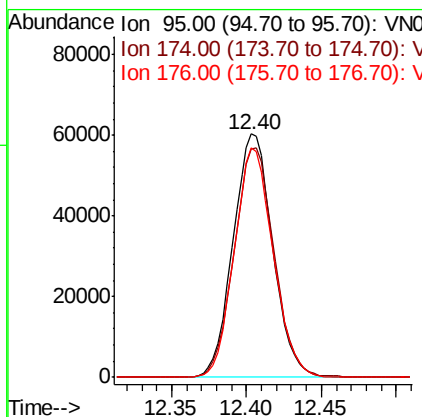
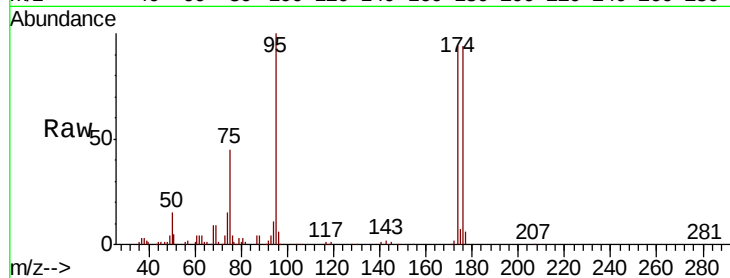




#60
4-Bromofluorobenzene
Concen: 19.648 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051294.D
Acq: 18 Sep 2018 13:47

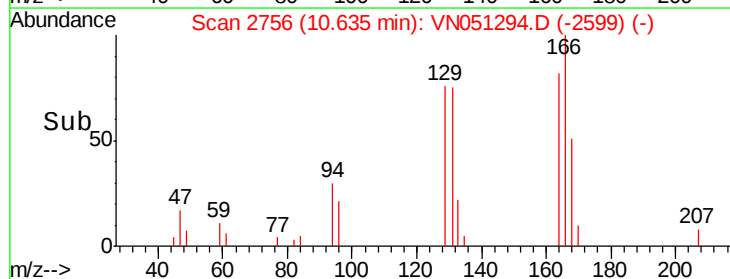
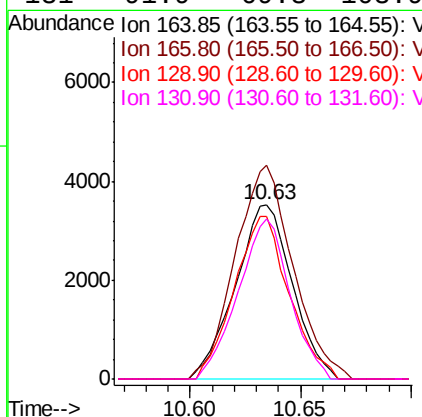
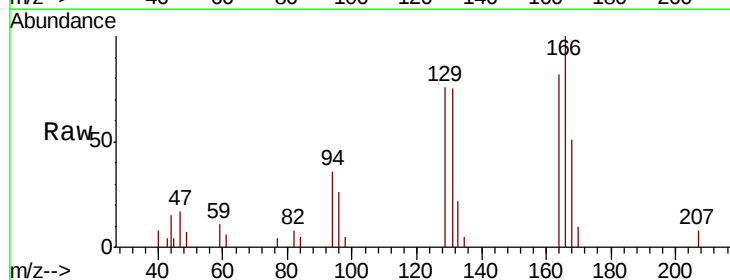
Instrument :
MSVOA_N
ClientSampled :
2-AVE-20

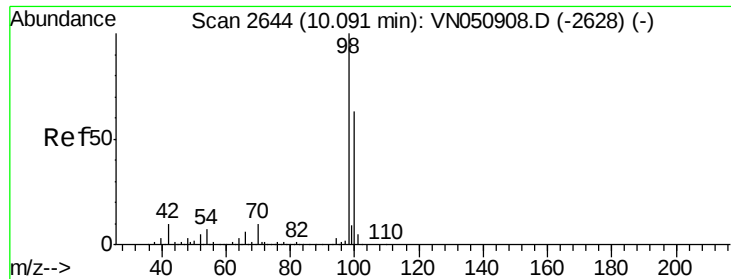
Tgt Ion: 95 Resp: 111008
Ion Ratio Lower Upper
95 100
174 95.1 74.6 112.0
176 92.5 71.5 107.3



#61
Tetrachloroethene
Concen: 1.331 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN051294.D
Acq: 18 Sep 2018 13:47

Tgt Ion: 164 Resp: 6303
Ion Ratio Lower Upper
164 100
166 122.6 100.6 151.0
129 93.5 71.0 106.6
131 91.9 69.3 103.9





#63

Toluene-d8

Concen: 30.932 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051294.D

Acq: 18 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

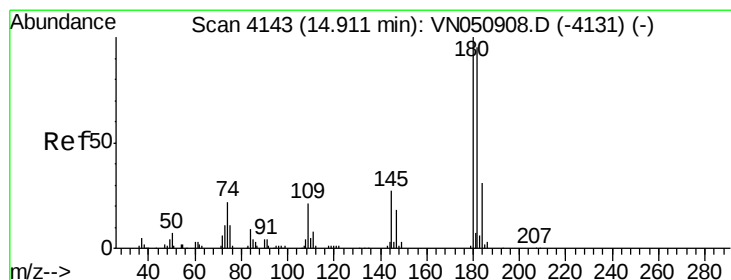
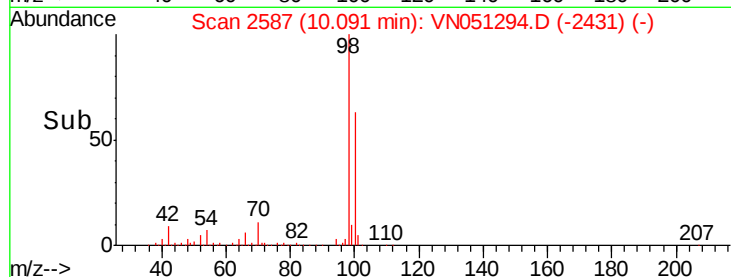
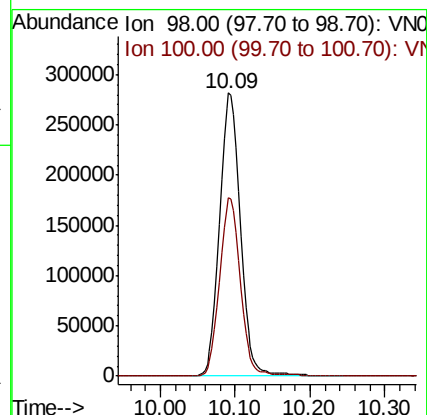
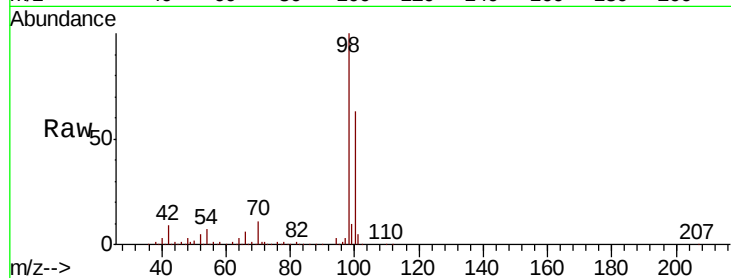
2-AVE-20

Tgt Ion: 98 Resp: 548071

Ion Ratio Lower Upper

98 100

100 62.5 50.6 75.8



#89

1,2,4-Trichlorobenzene

Concen: 0.471 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051294.D

Acq: 18 Sep 2018 13:47

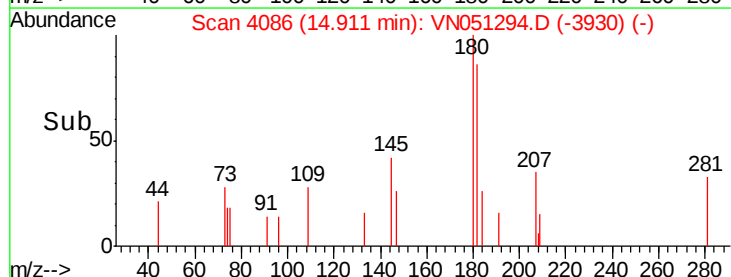
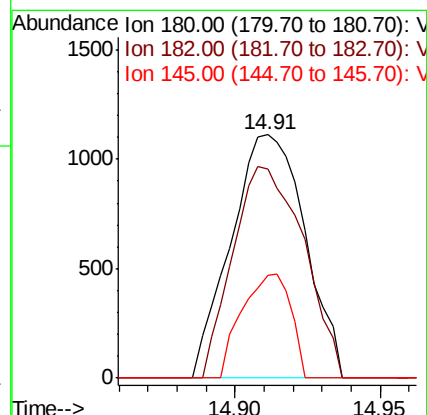
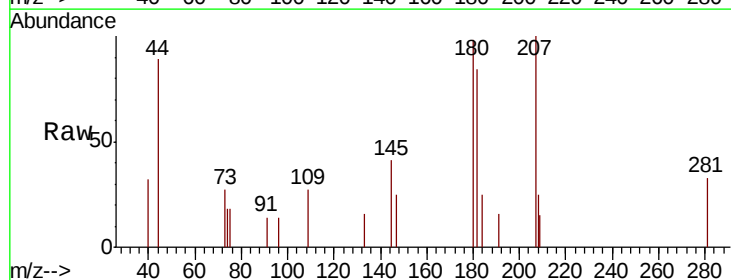
Tgt Ion: 180 Resp: 1970

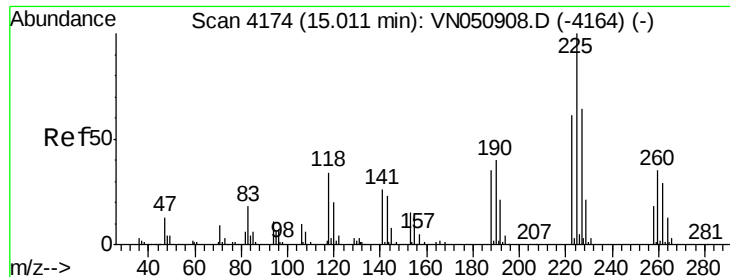
Ion Ratio Lower Upper

180 100

182 83.1 76.2 114.4

145 28.2 22.2 33.4





#90

Hexachlorobutadiene

Concen: 0.456 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN051294.D

Acq: 18 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

2-AVE-20

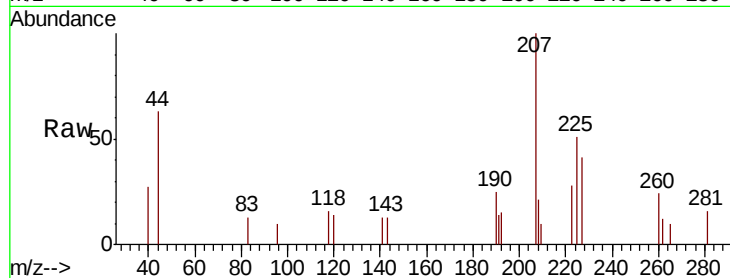
Tgt Ion:225 Resp: 1295

Ion Ratio Lower Upper

225 100

223 48.0 0.0 127.8

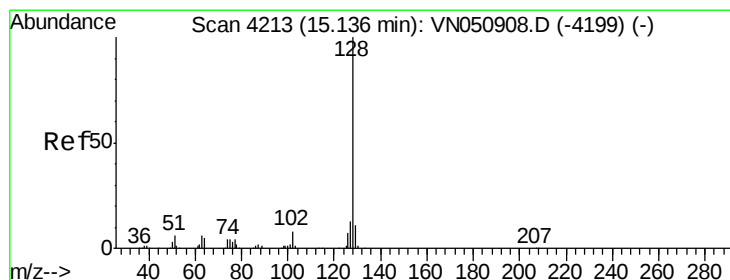
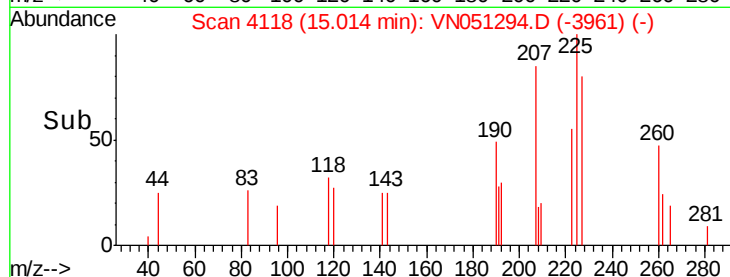
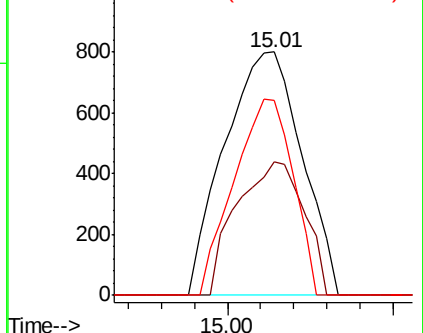
227 61.6 0.0 128.4



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: 8.903 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051294.D

Acq: 18 Sep 2018 13:47

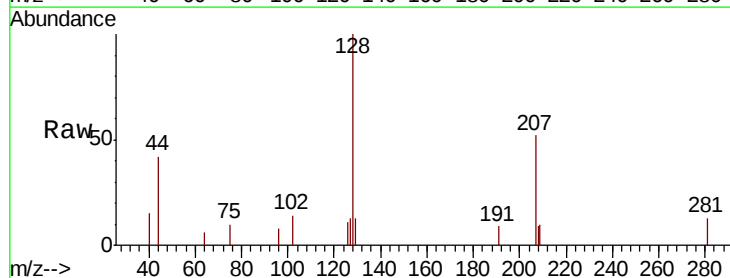
Tgt Ion:128 Resp: 4234

Ion Ratio Lower Upper

128 100

127 11.8 10.6 16.0

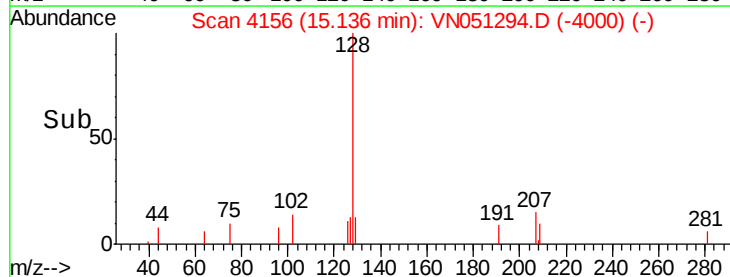
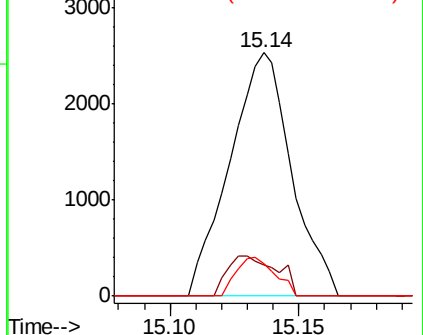
129 9.9 8.7 13.1

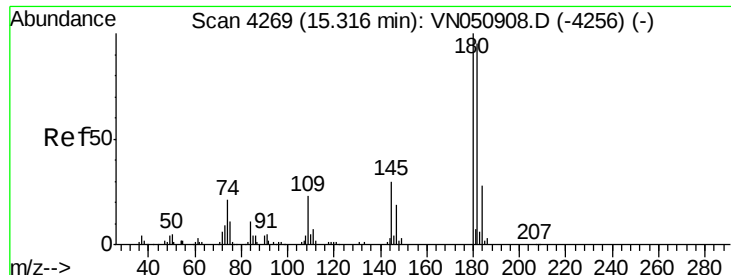


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 0.549 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN051294.D
 Acq: 18 Sep 2018 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-20

Tgt Ion:180 Resp: 2303
 Ion Ratio Lower Upper
 180 100
 182 49.9 0.0 192.8
 145 15.6 0.0 60.0

