

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092618\
 Data File : VN051501.D
 Acq On : 25 Sep 2018 22:50
 Operator : MD\SY
 Sample : J5065-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-128

Quant Time: Sep 26 04:11:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	654863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	971177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	791529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	306704	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	430597	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
35) Dibromofluoromethane	7.59	113	385869	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	10.09	98	1393615	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
62) 4-Bromofluorobenzene	12.40	95	391407	41.37	ug/l	0.00
Spiked Amount			Recovery	=	82.74%	

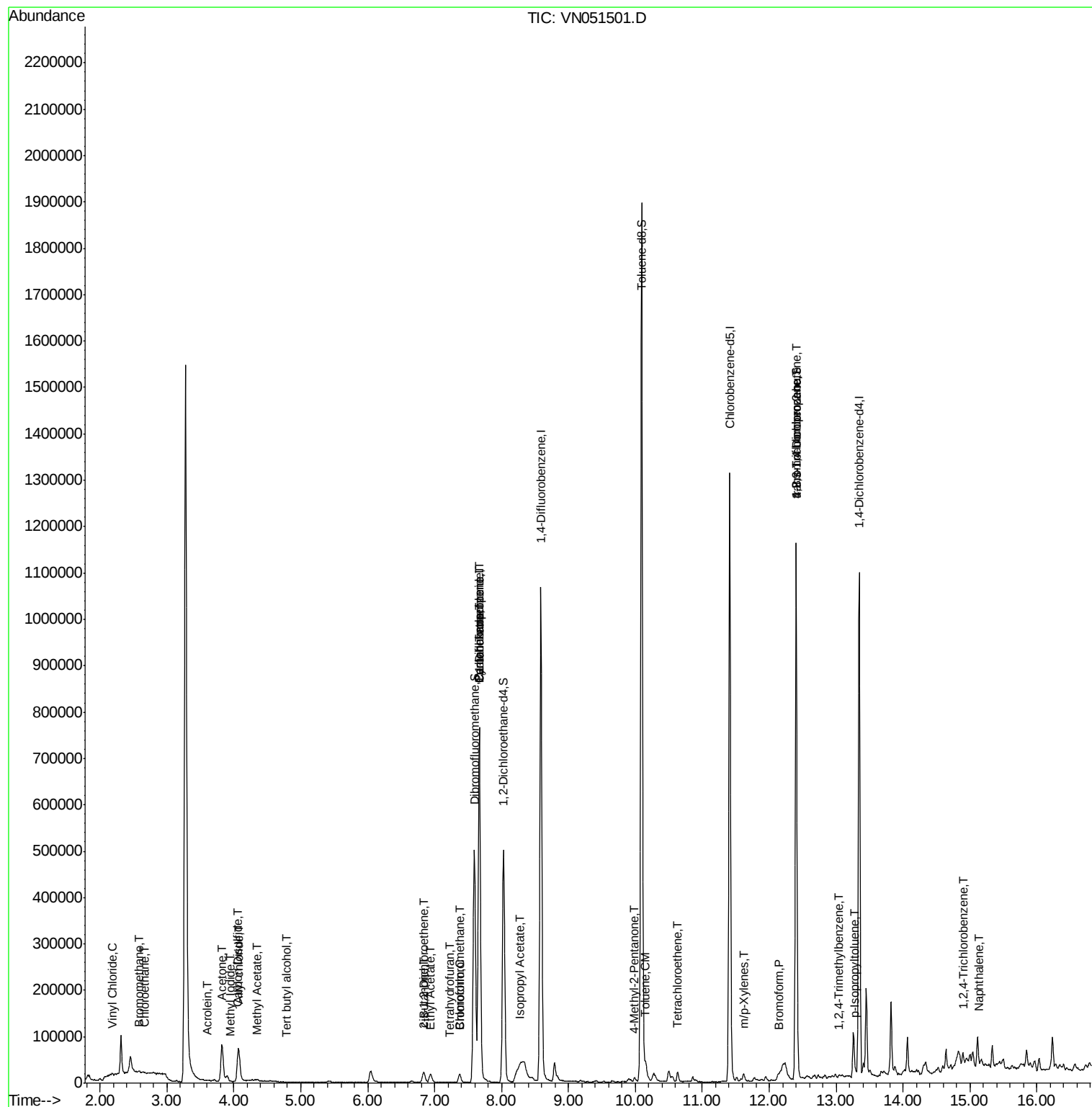
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	2301	0.214	ug/l	99
5) Bromomethane	2.57	94	1437	0.282	ug/l	82
6) Chloroethane	2.66	64	1885	0.282	ug/l #	62
10) Methyl Iodide	3.95	142	65	0.283	ug/l #	42
11) Tert butyl alcohol	4.79	59	98	0.212	ug/l #	78
13) Acrolein	3.62	56	1293	2.812	ug/l #	32
14) Allyl chloride	4.07	41	13257	1.084	ug/l	96
16) Acetone	3.82	43	134229	54.852	ug/l	95
17) Carbon Disulfide	4.05	76	6086	0.284	ug/l #	94
18) Methyl Acetate	4.34	43	3687	0.590	ug/l	93
25) 2-Butanone	6.85	43	10018	3.568	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	11169	1.366	ug/l	94
28) Bromochloromethane	7.37	49	1507	0.231	ug/l #	12
29) Tetrahydrofuran	7.23	42	780	0.438	ug/l #	34
30) Chloroform	7.37	83	20626	1.476	ug/l	95
31) Cyclohexane	7.66	56	12101	0.937	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45991	4.089	ug/l #	49
37) Ethyl Acetate	6.93	43	30678	4.744	ug/l #	87
38) Carbon Tetrachloride	7.67	117	59395	5.049	ug/l #	17
43) Isopropyl Acetate	8.27	43	45608	3.901	ug/l #	60
51) 4-Methyl-2-Pentanone	9.99	43	5994	0.932	ug/l #	87
52) Toluene	10.16	92	11001	0.536	ug/l	87
64) Tetrachloroethene	10.63	164	4737	0.659	ug/l	93
68) m/p-Xylenes	11.62	106	4366	0.330	ug/l	94
71) Bromoform	12.13	173	1763	0.336	ug/l #	98
76) 1,2,3-Trichloropropane	12.40	75	189811	37.280	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	189811	114.634	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	4465	0.210	ug/l	80
86) p-Isopropyltoluene	13.29	119	9223	0.420	ug/l #	75
93) 1,2,4-Trichlorobenzene	14.91	180	62	5.991	ug/l #	1
95) Naphthalene	15.14	128	1211	8.133	ug/l #	78

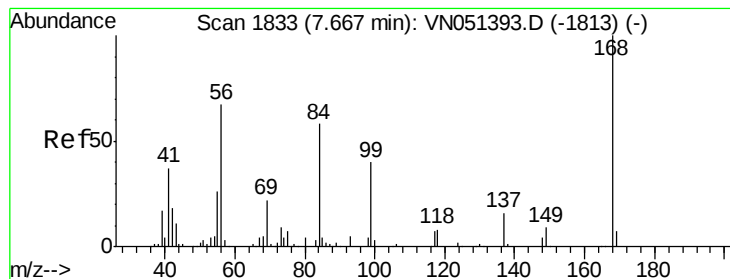
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

Instrument :

MSVOA_N

ClientSampled :

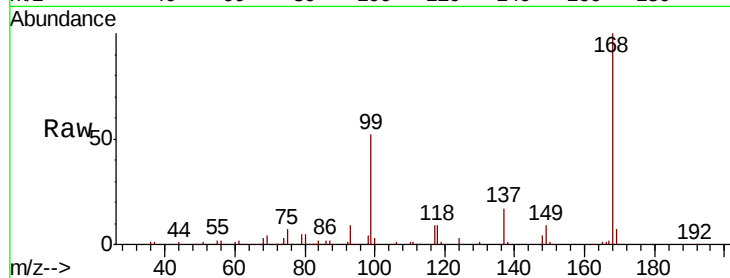
MH-128

Tot Ion:168 Resp: 654863

Ion Ratio Lower Upper

168 100

99 52.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

300000

250000

200000

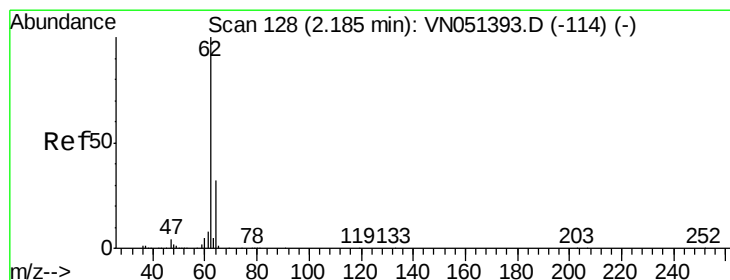
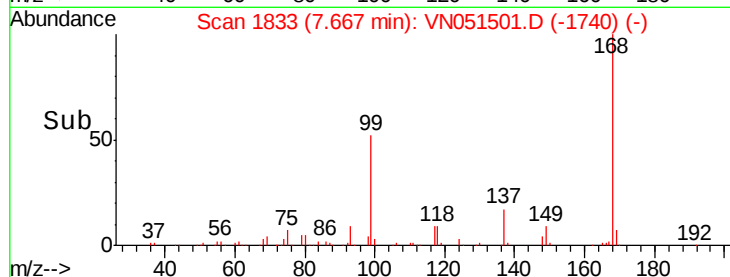
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#4

Vinyl Chloride

Concen: 0.214 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051501.D

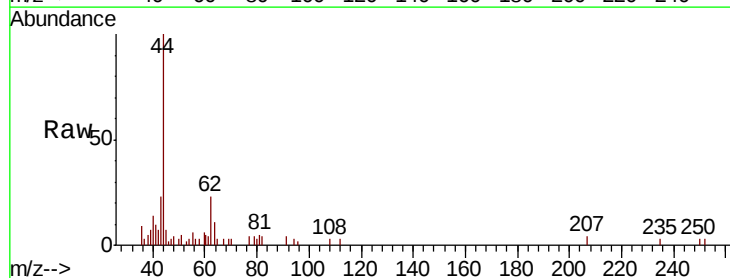
Acq: 25 Sep 2018 22:50

Tgt Ion: 62 Resp: 2301

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN051393.D (-114) (-)

Ion 63.90 (63.60 to 64.60): VN051393.D (-114) (-)

2.18

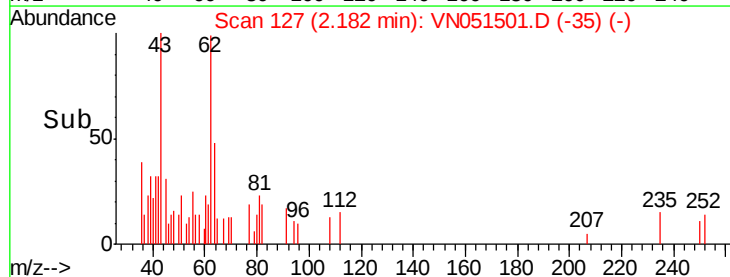
1500

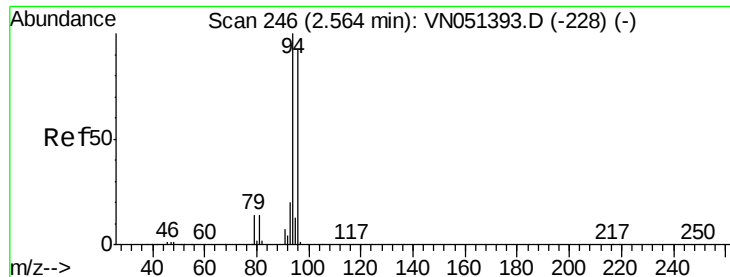
1000

500

0

Time--> 2.15 2.20





#5

Bromomethane

Concen: 0.282 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

Instrument :

MSVOA_N

ClientSampled :

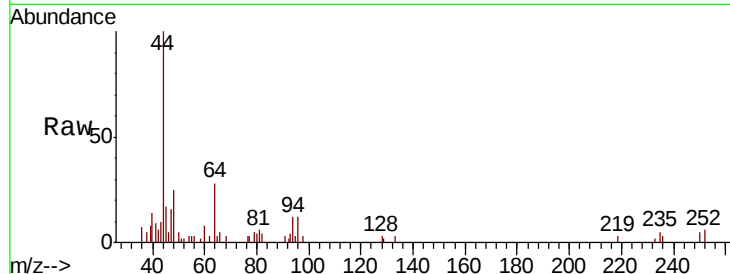
MH-128

Tot Ion: 94 Resp: 1437

Ion Ratio Lower Upper

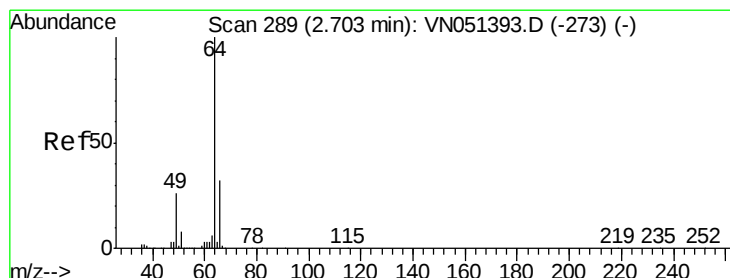
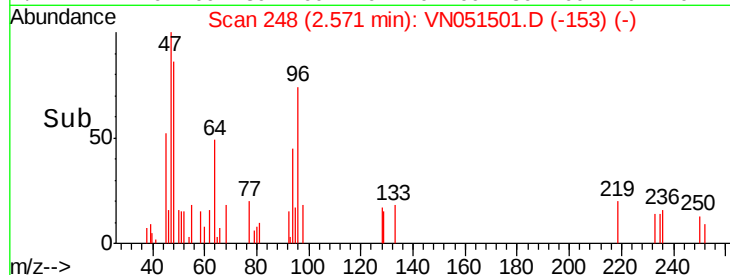
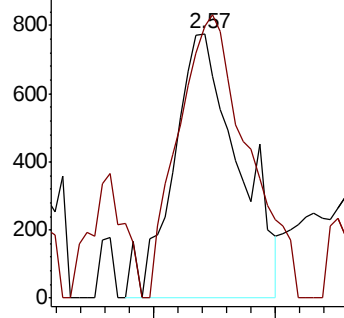
94 100

96 74.5 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.282 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.04 min

Lab File: VN051501.D

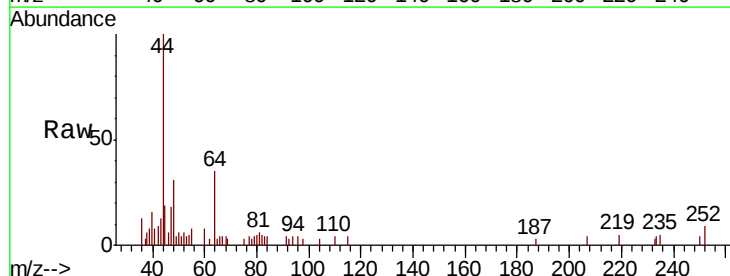
Acq: 25 Sep 2018 22:50

Tgt Ion: 64 Resp: 1885

Ion Ratio Lower Upper

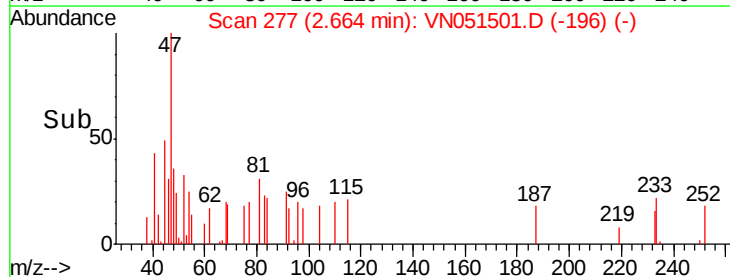
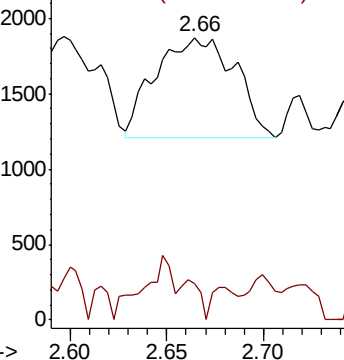
64 100

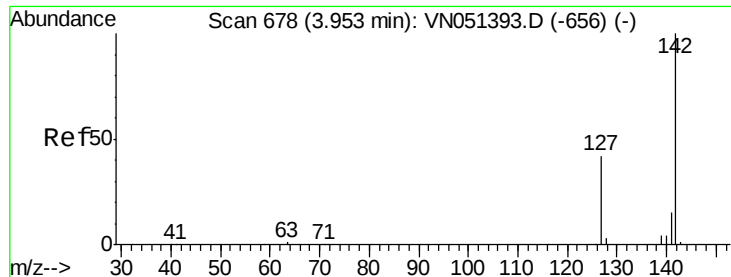
66 11.0 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

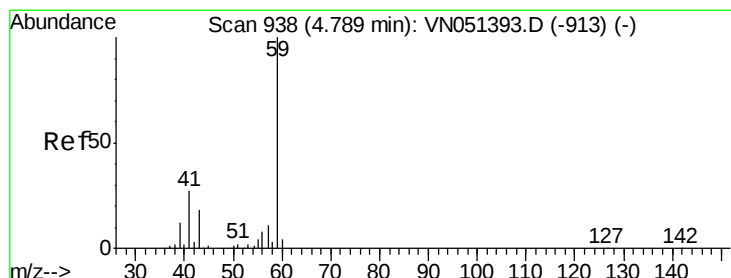
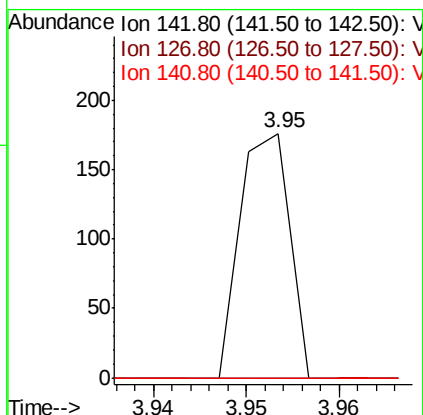
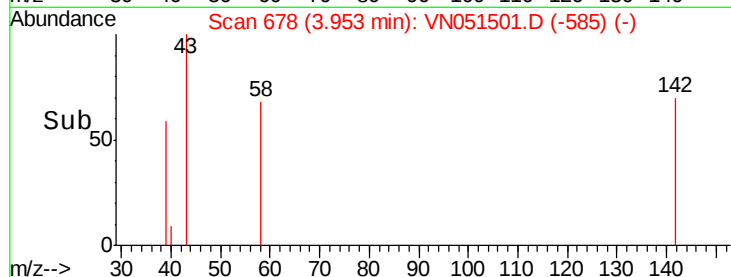
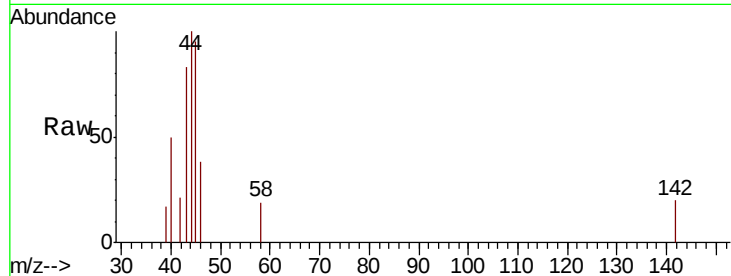




#10
Methvl Iodide
Concen: 0.283 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051501.D
Acq: 25 Sep 2018 22:50

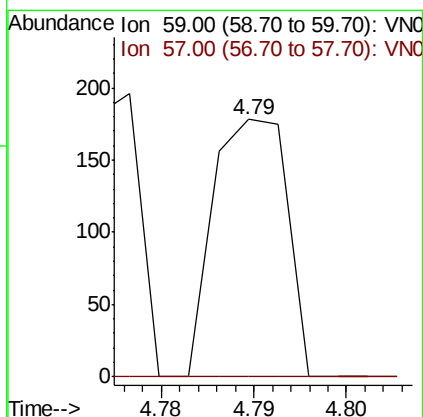
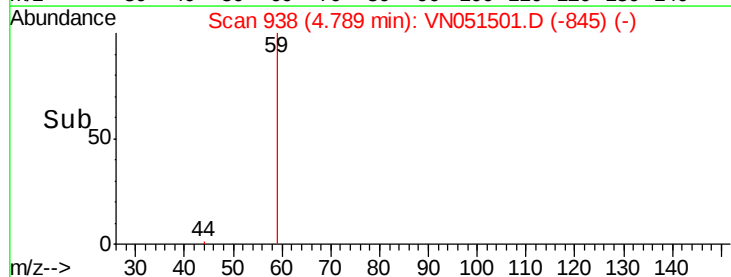
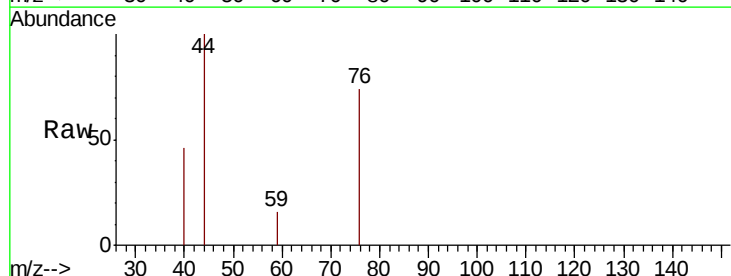
Instrument :
MSVOA_N
ClientSampleId :
MH-128

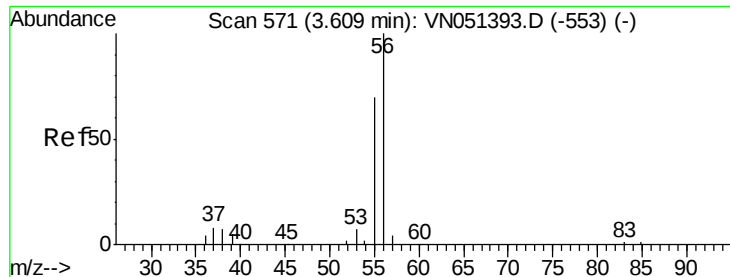
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.2	49.8#
141	0.0	11.5	17.3#



#11
Tert butyl alcohol
Concen: 0.212 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051501.D
Acq: 25 Sep 2018 22:50

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.2	9.2#

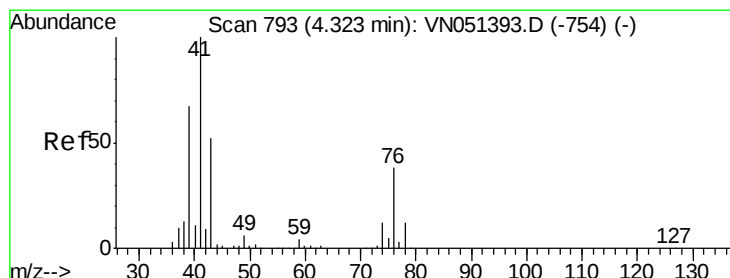
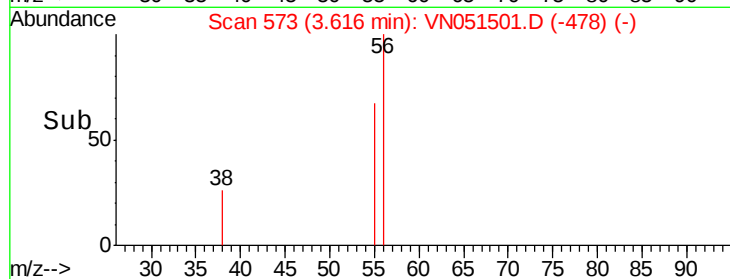
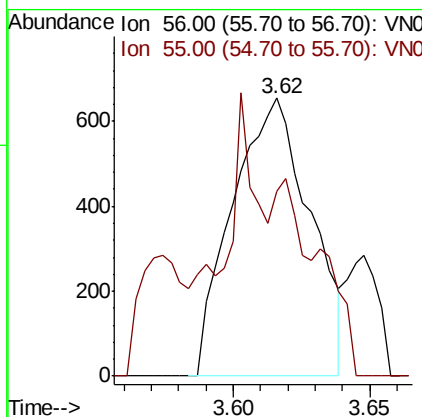
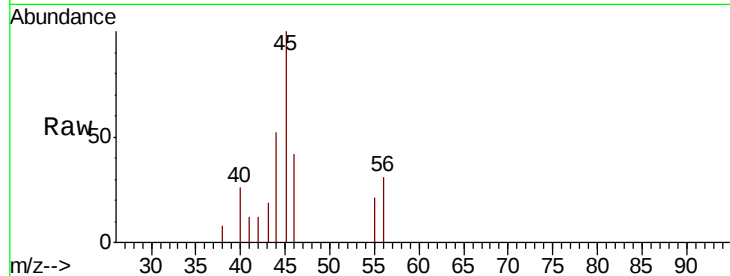




#13
Acrolein
Concen: 2.812 ug/l
RT: 3.62 min Scan# 573
Delta R.T. 0.01 min
Lab File: VN051501.D
Acq: 25 Sep 2018 22:50

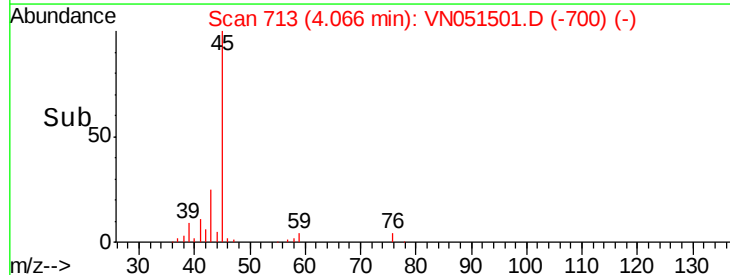
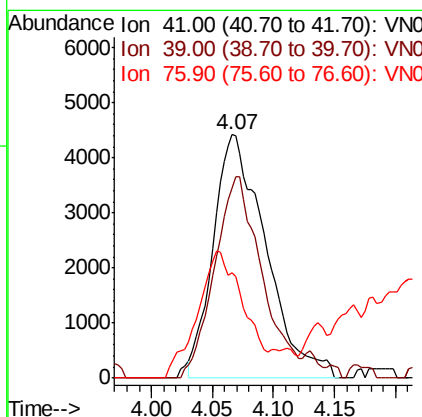
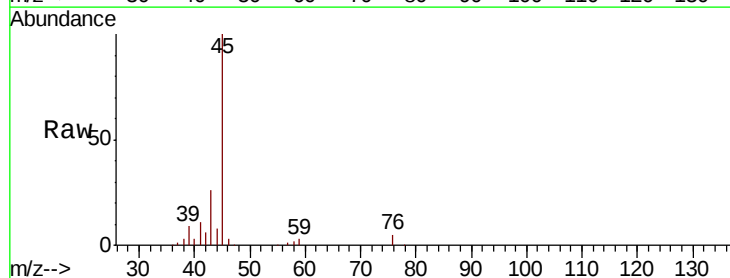
Instrument :
MSVOA_N
ClientSampled :
MH-128

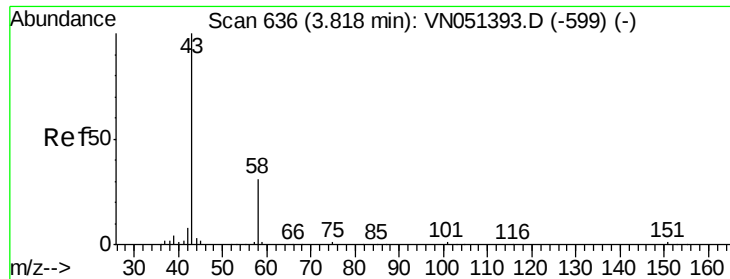
Tot Ion: 56 Resp: 1293
Ion Ratio Lower Upper
56 100
55 15.2 57.8 86.8#



#14
Allyl chloride
Concen: 1.084 ug/l
RT: 4.07 min Scan# 713
Delta R.T. -0.26 min
Lab File: VN051501.D
Acq: 25 Sep 2018 22:50

Tgt Ion: 41 Resp: 13257
Ion Ratio Lower Upper
41 100
39 64.2 51.4 77.2
76 28.1 28.1 42.1





#16

Acetone

Concen: 54.852 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

Instrument :

MSVOA_N

ClientSampled :

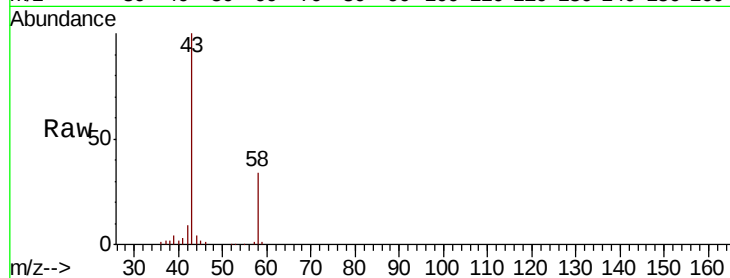
MH-128

Tot Ion: 43 Resp: 134229

Ion Ratio Lower Upper

43 100

58 33.9 25.0 37.4

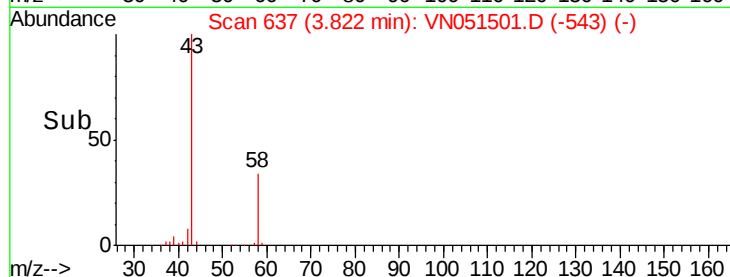


Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-599) (-)

3.82

Time-->



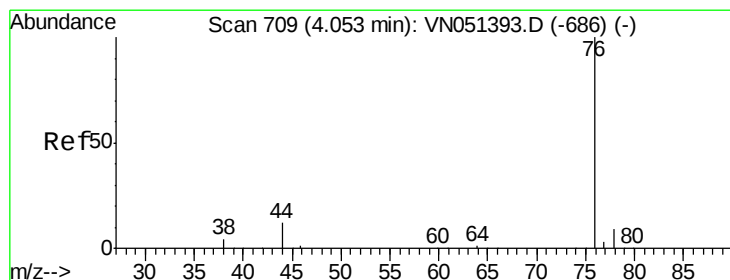
Abundance

Ion 43.00 (42.70 to 43.70): VN051501.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN051501.D (-543) (-)

3.82

Time-->



#17

Carbon Disulfide

Concen: 0.284 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051501.D

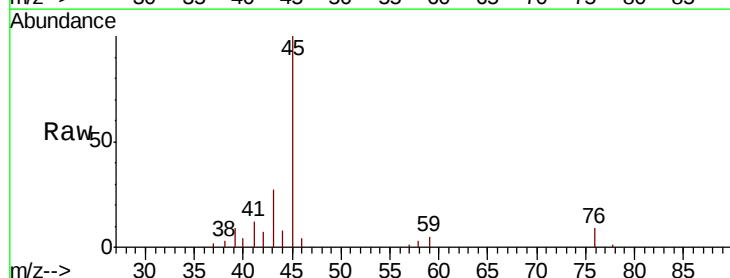
Acq: 25 Sep 2018 22:50

Tgt Ion: 76 Resp: 6086

Ion Ratio Lower Upper

76 100

78 11.1 7.3 10.9#

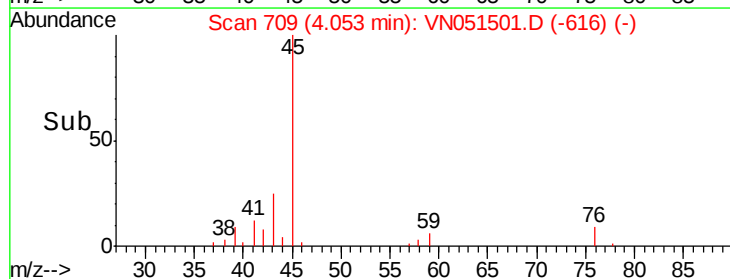


Abundance Ion 75.90 (75.60 to 76.60): VN051393.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN051393.D (-686) (-)

4.05

Time-->



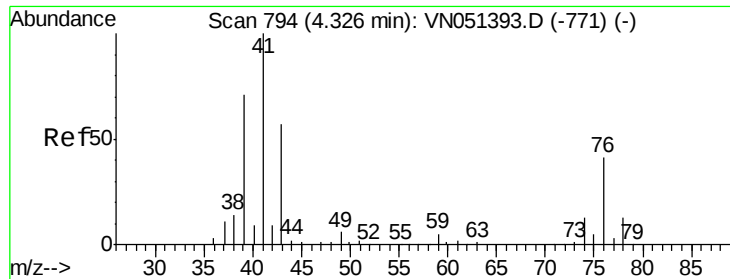
Abundance

Ion 75.90 (75.60 to 76.60): VN051501.D (-616) (-)

Ion 77.90 (77.60 to 78.60): VN051501.D (-616) (-)

4.05

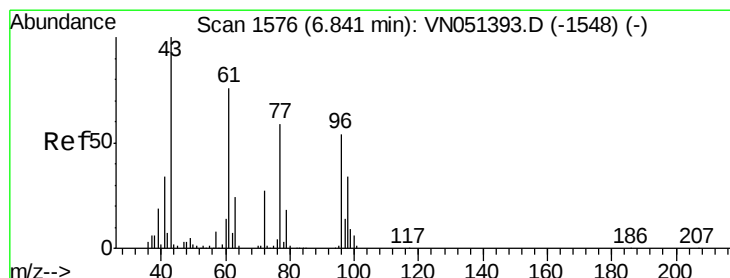
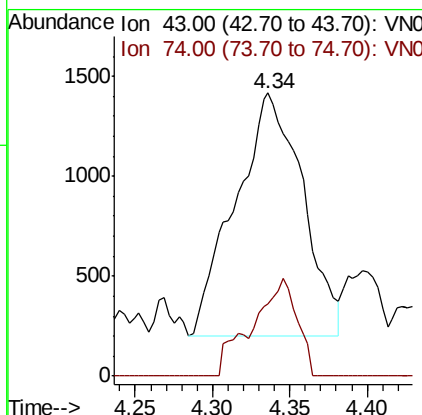
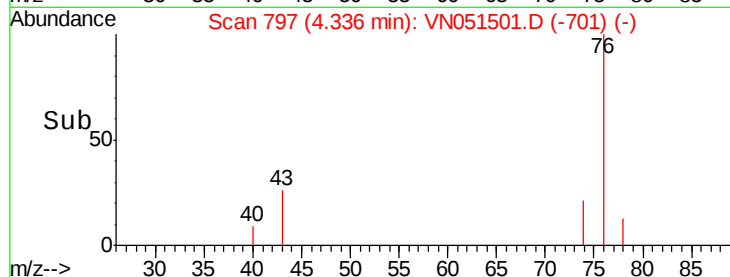
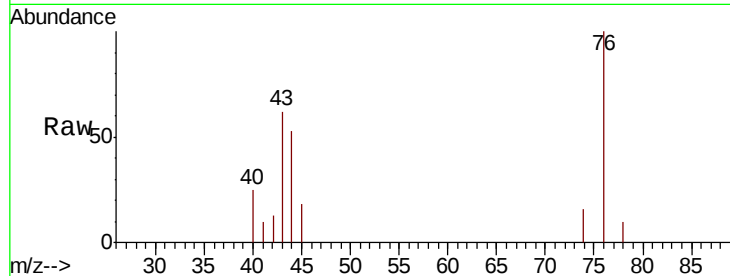
Time-->



#18
Methyl Acetate
Concen: 0.590 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051501.D
Acq: 25 Sep 2018 22:50

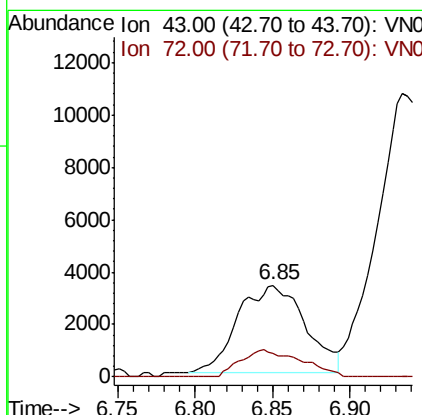
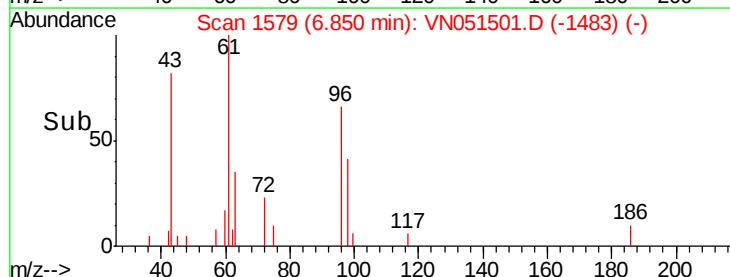
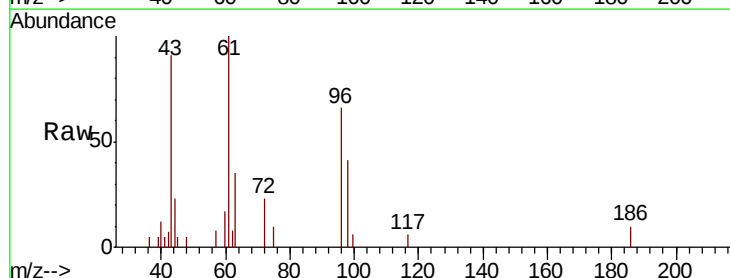
Instrument :
MSVOA_N
ClientSampled :
MH-128

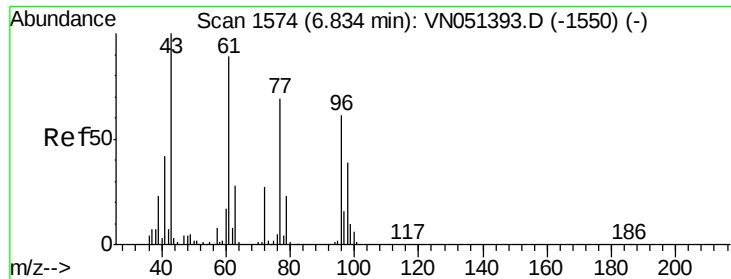
Tot Ion: 43 Resp: 3687
Ion Ratio Lower Upper
43 100
74 26.7 18.8 28.2



#25
2-Butanone
Concen: 3.568 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051501.D
Acq: 25 Sep 2018 22:50

Tgt Ion: 43 Resp: 10018
Ion Ratio Lower Upper
43 100
72 26.4 21.8 32.6





#27

cis-1,2-Dichloroethene

Concen: 1.366 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

Instrument :

MSVOA_N

ClientSampled :

MH-128

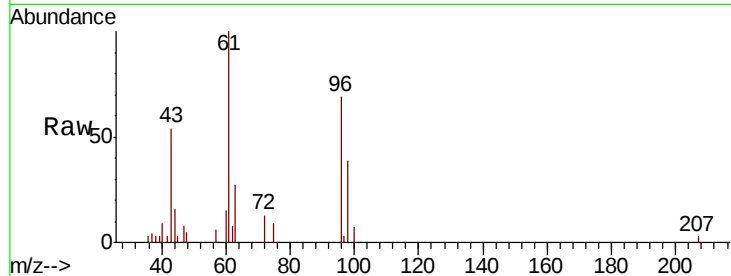
Tot Ion: 96 Resp: 11169

Ion Ratio Lower Upper

96 100

61 136.7 0.0 291.4

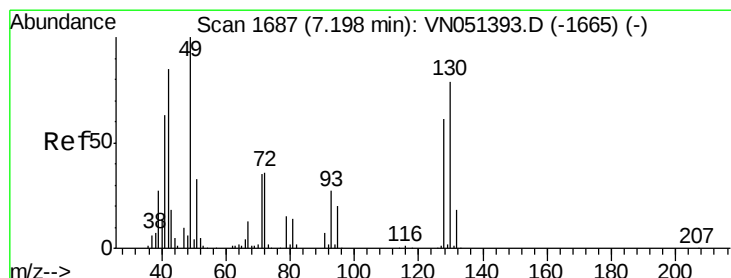
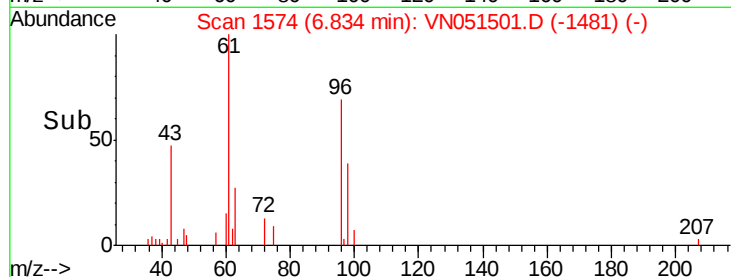
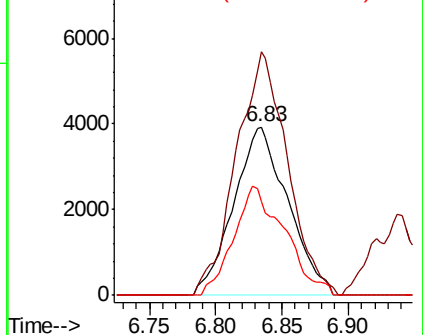
98 60.9 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 0.231 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.18 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

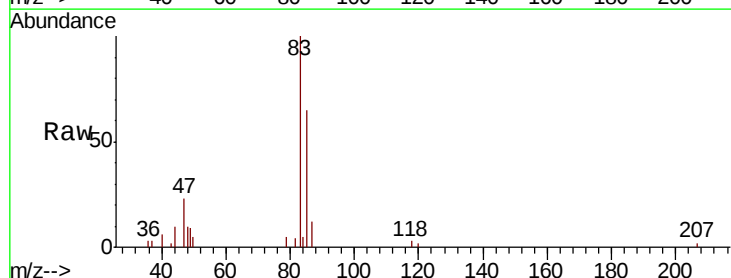
Tgt Ion: 49 Resp: 1507

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

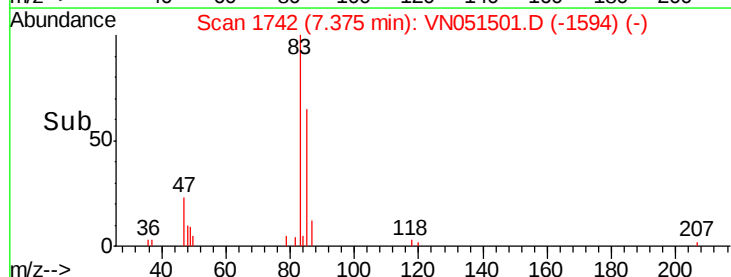
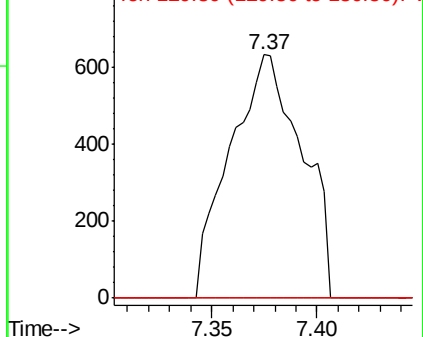
130 0.0 63.0 94.4#

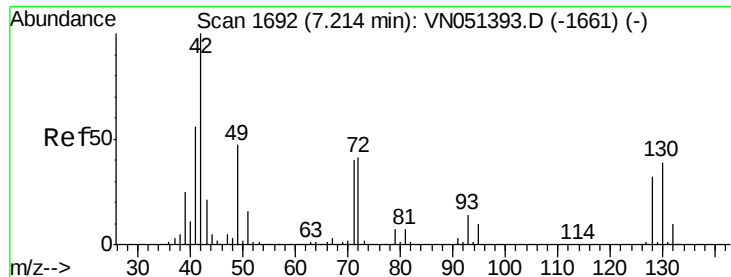


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.438 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

Instrument :

MSVOA_N

ClientSampled :

MH-128

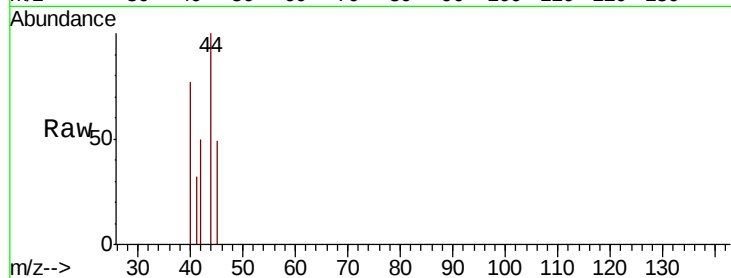
Tot Ion: 42 Resp: 780

Ion Ratio Lower Upper

42 100

72 0.0 34.3 51.5#

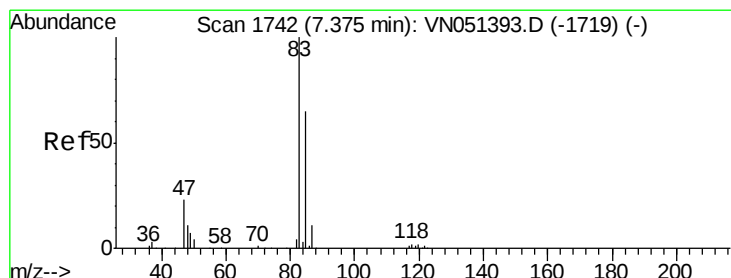
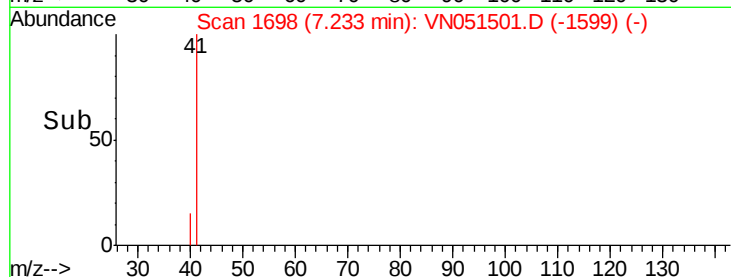
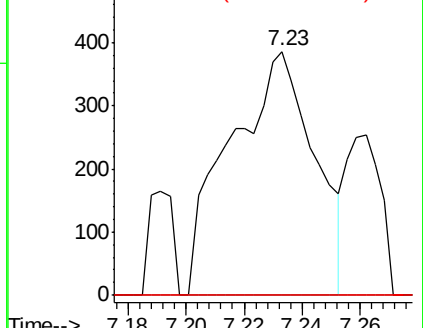
71 0.0 32.2 48.4#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 1.476 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051501.D

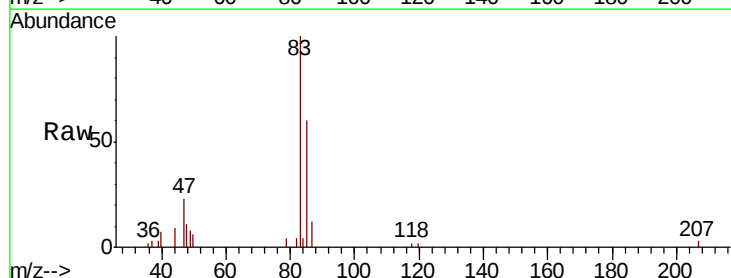
Acq: 25 Sep 2018 22:50

Tgt Ion: 83 Resp: 20626

Ion Ratio Lower Upper

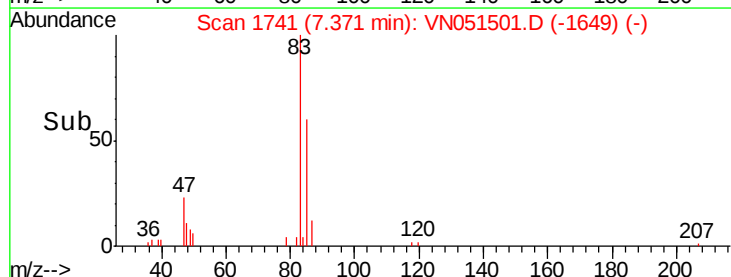
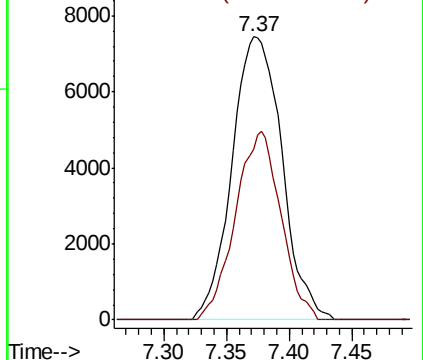
83 100

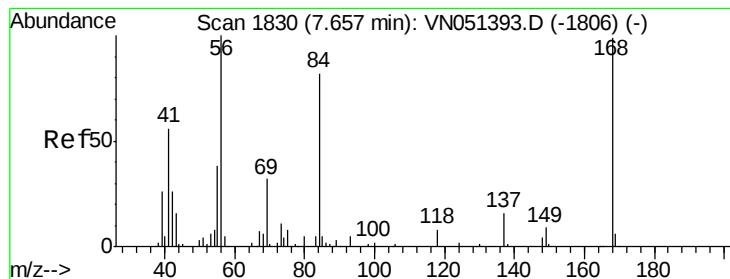
85 60.4 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 0.937 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

Instrument :

MSVOA_N

ClientSampled :

MH-128

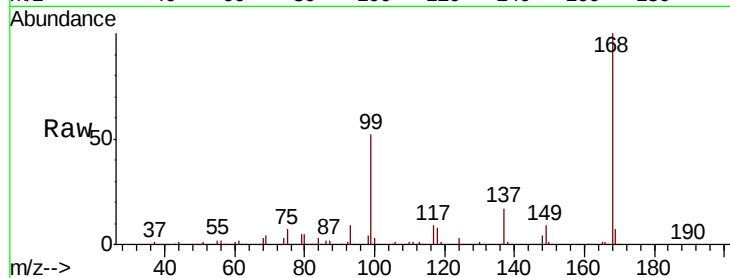
Tot Ion: 56 Resp: 12101

Ion Ratio Lower Upper

56 100

69 192.2 25.8 38.6#

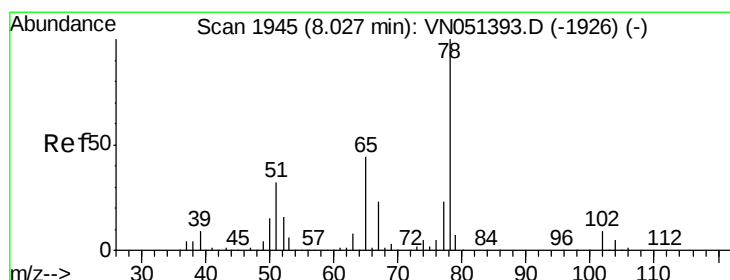
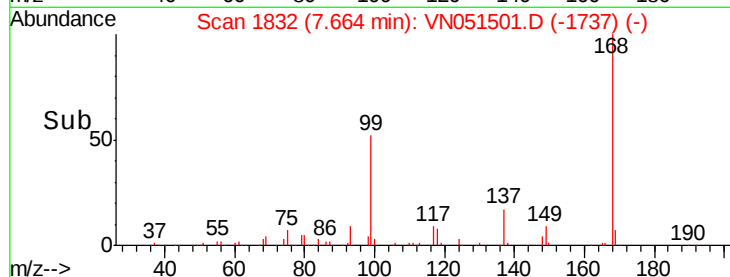
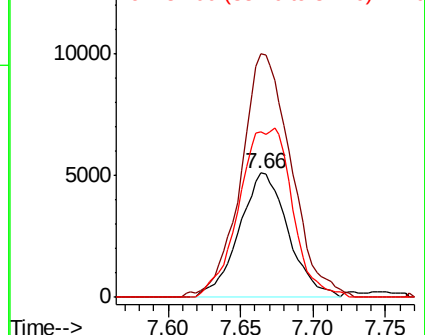
84 133.9 66.0 99.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.490 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051501.D

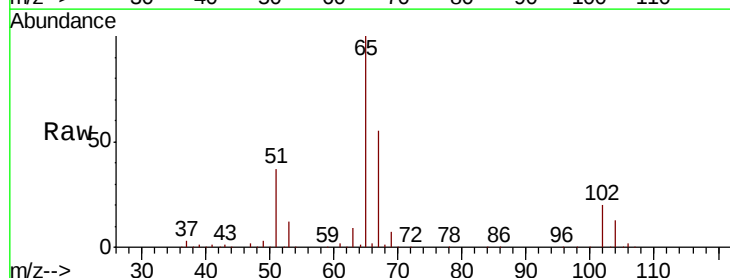
Acq: 25 Sep 2018 22:50

Tgt Ion: 65 Resp: 430597

Ion Ratio Lower Upper

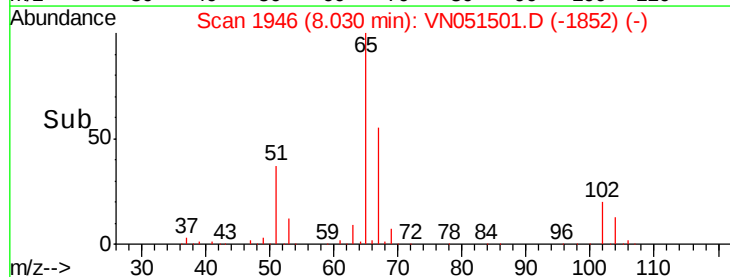
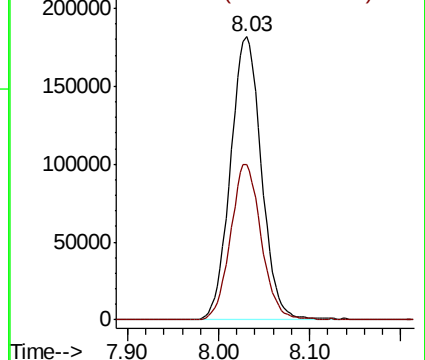
65 100

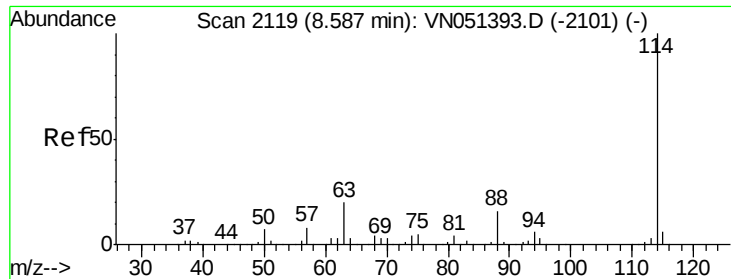
67 54.4 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

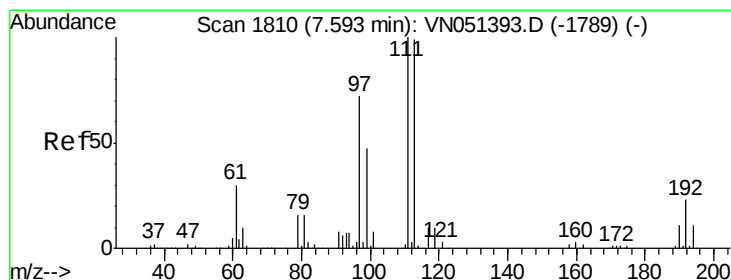
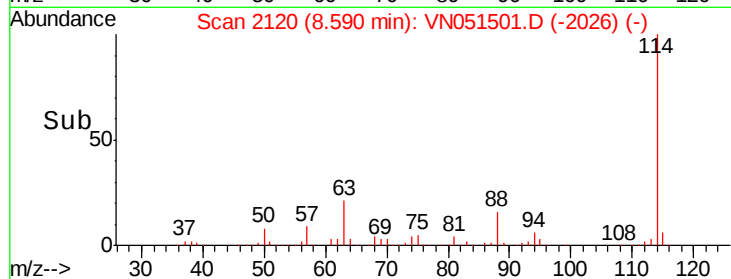
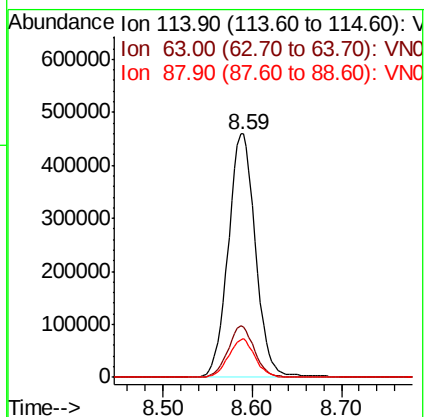
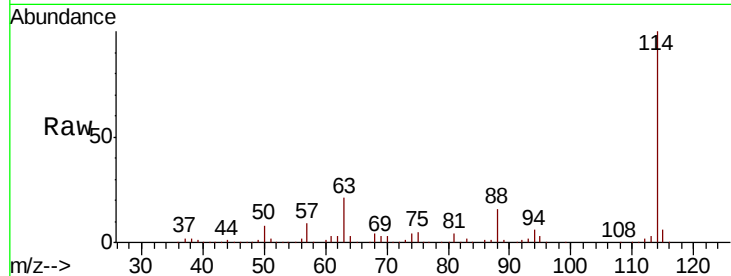




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051501.D
 Acq: 25 Sep 2018 22:50

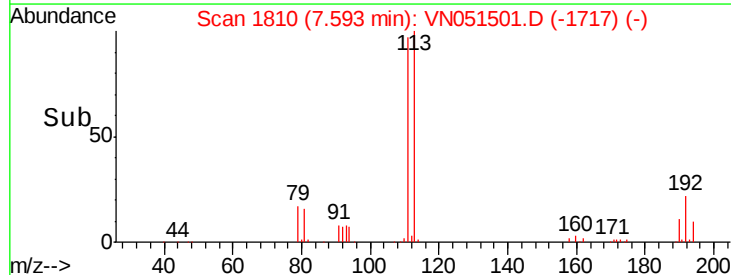
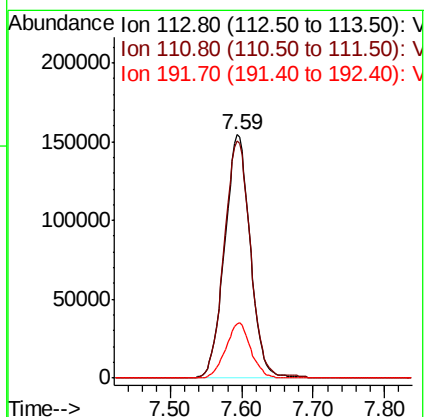
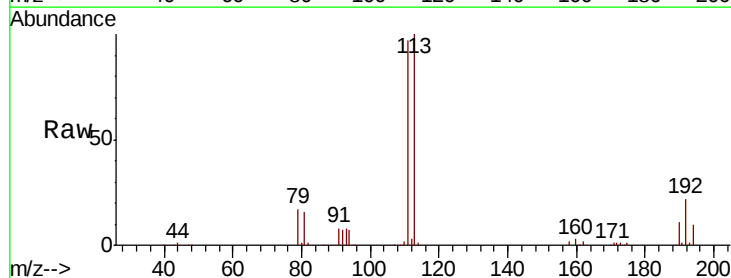
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-128

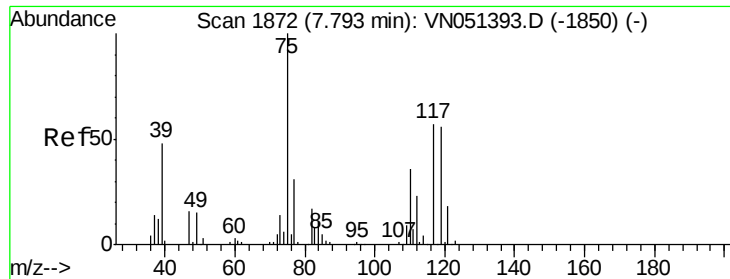
Tot Ion:114 Resp: 971177
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.2
 88 15.7 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 49.687 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051501.D
 Acq: 25 Sep 2018 22:50

Tgt Ion:113 Resp: 385869
 Ion Ratio Lower Upper
 113 100
 111 99.5 82.6 123.8
 192 22.2 18.0 27.0

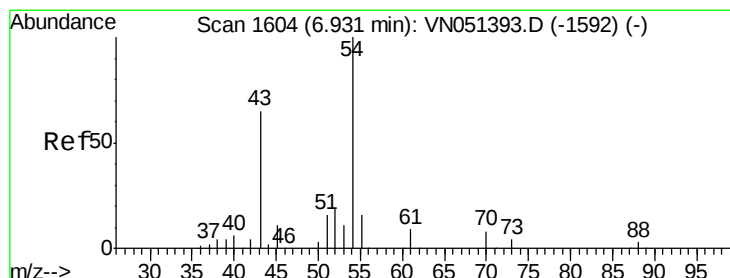
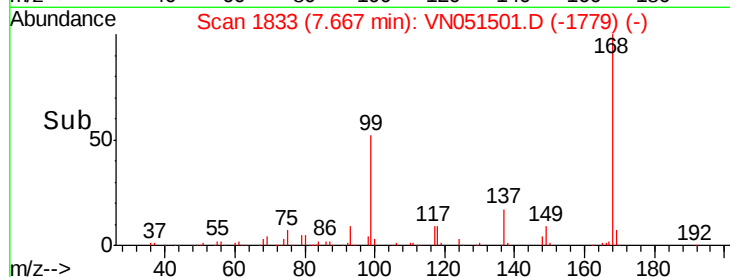
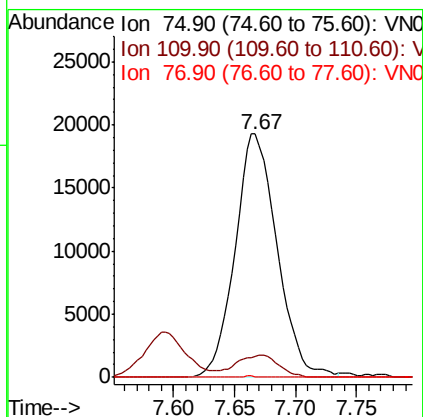
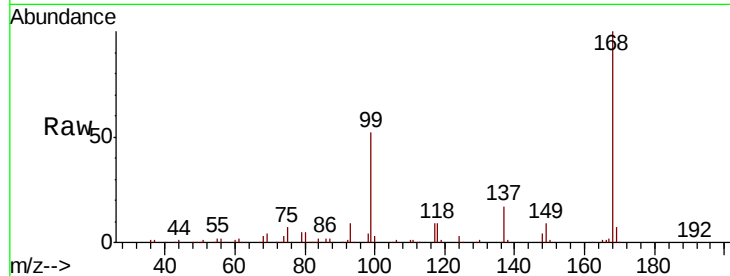




#36
 1,1-Dichloropropene
 Concen: 4.089 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051501.D
 Acq: 25 Sep 2018 22:50

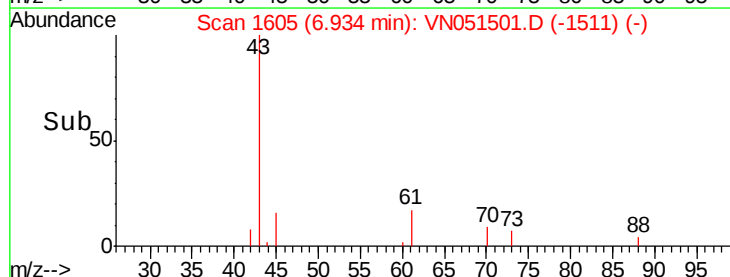
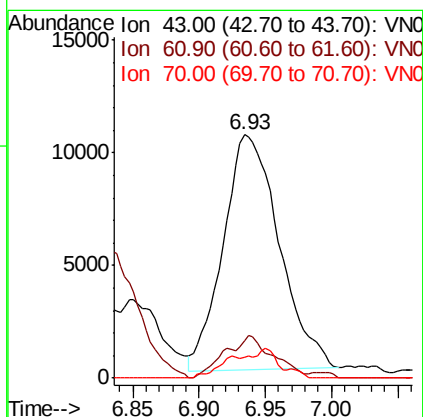
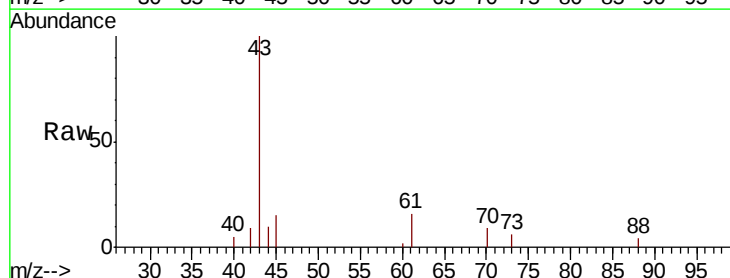
Instrument :
 MSVOA_N
 ClientSampled :
 MH-128

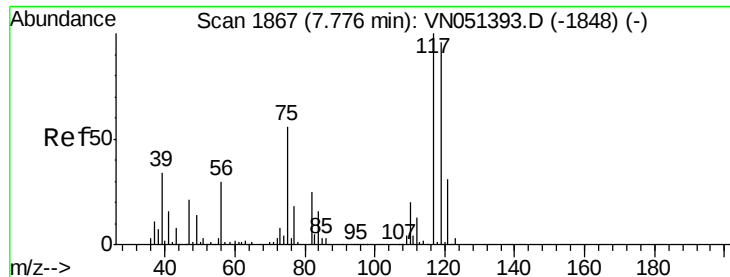
Tot Ion	75	Resp	45991
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.3#
77	0.1	25.6	38.4#



#37
 Ethyl Acetate
 Concen: 4.744 ug/l
 RT: 6.93 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: VN051501.D
 Acq: 25 Sep 2018 22:50

Tgt Ion	43	Resp	30678
Ion	Ratio	Lower	Upper
43	100		
61	10.6	11.5	17.3#
70	3.0	7.9	11.9#





#38

Carbon Tetrachloride

Concen: 5.049 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

Instrument :

MSVOA_N

ClientSampled :

MH-128

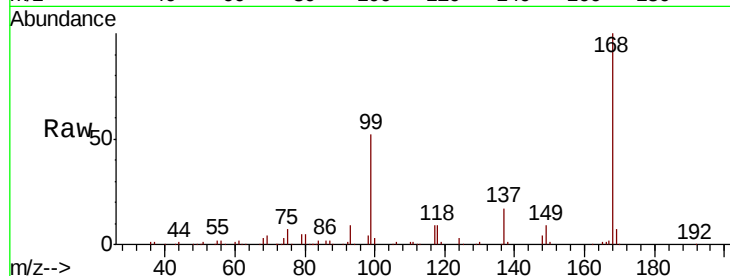
Tot Ion:117 Resp: 59395

Ion Ratio Lower Upper

117 100

119 6.0 76.9 115.3#

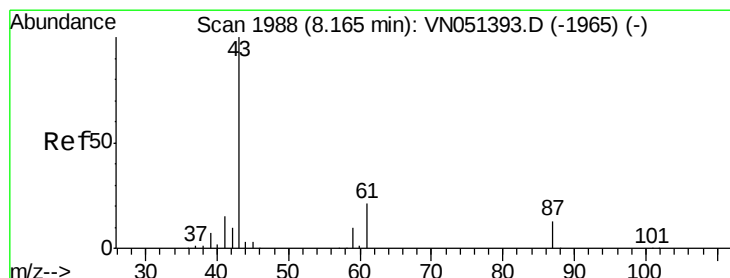
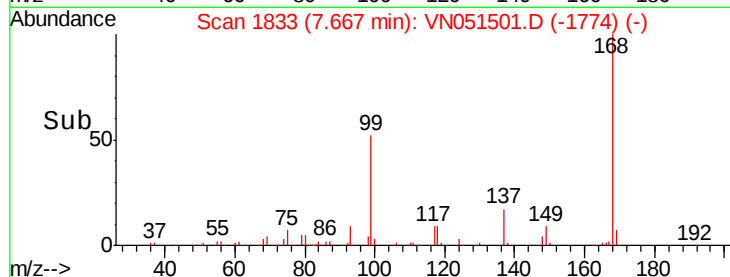
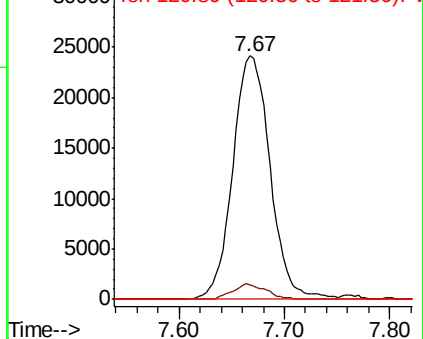
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 3.901 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. 0.10 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

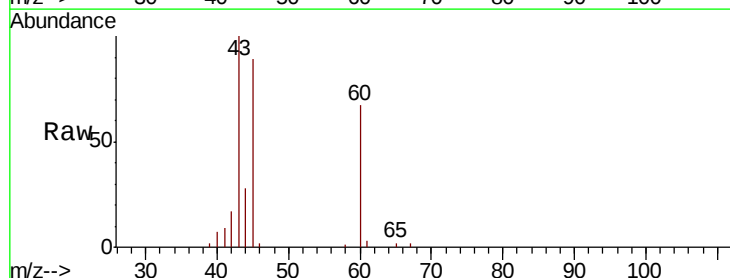
Tgt Ion: 43 Resp: 45608

Ion Ratio Lower Upper

43 100

61 0.0 16.8 25.2#

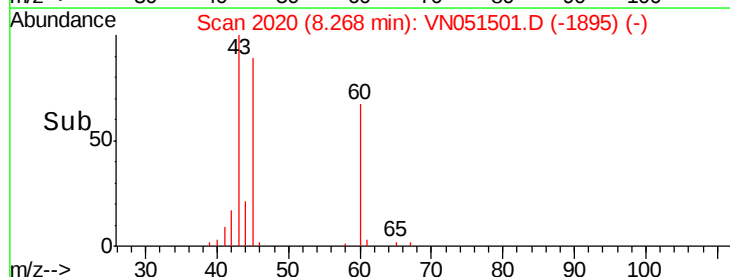
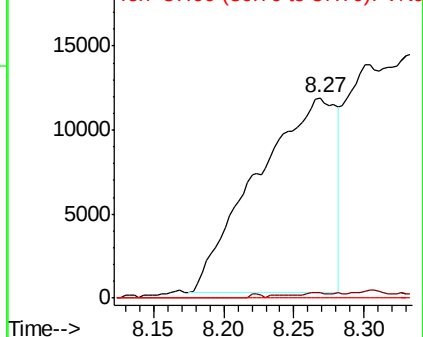
87 0.0 10.7 16.1#

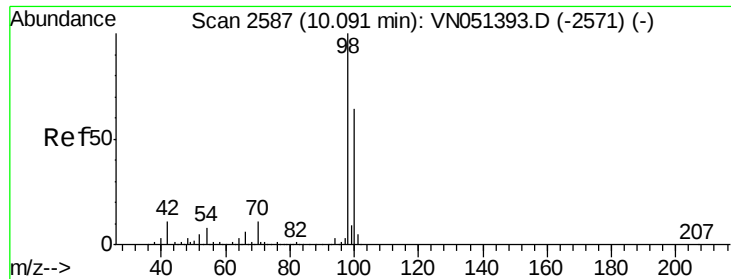


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 47.654 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

Instrument :

MSVOA_N

ClientSampled :

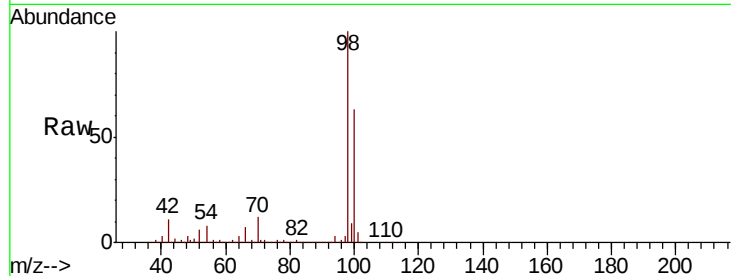
MH-128

Tot Ion: 98 Resp: 1393615

Ion Ratio Lower Upper

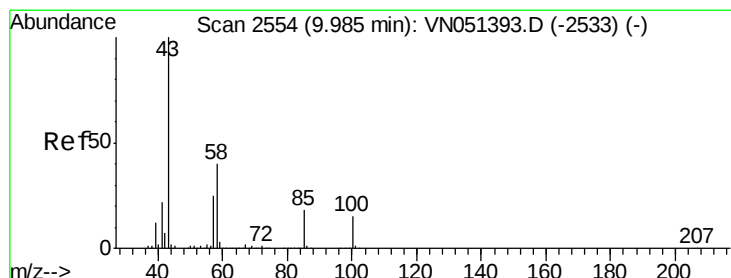
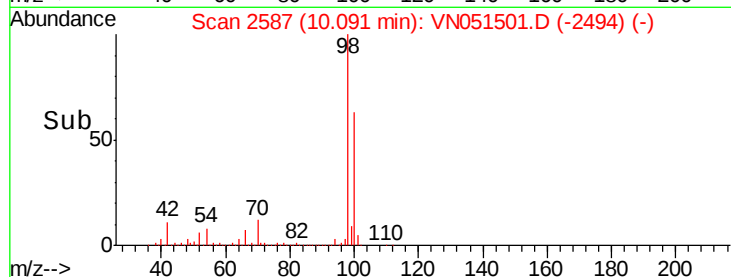
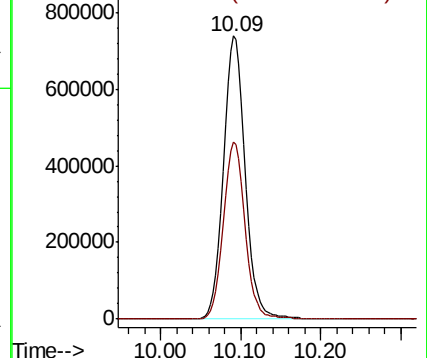
98 100

100 62.6 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.932 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051501.D

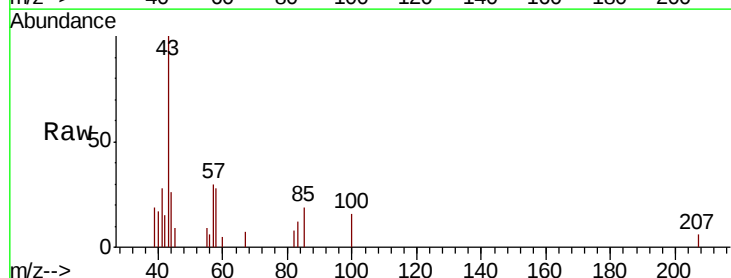
Acq: 25 Sep 2018 22:50

Tgt Ion: 43 Resp: 5994

Ion Ratio Lower Upper

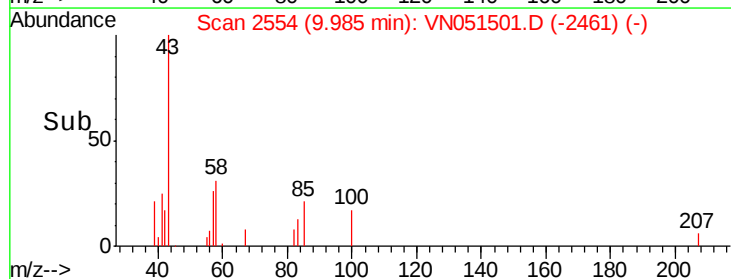
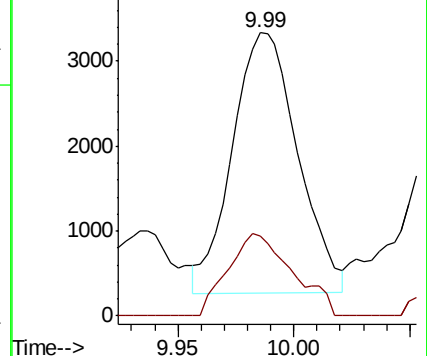
43 100

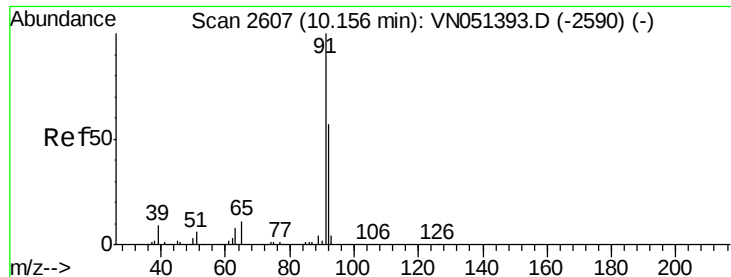
58 31.3 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 0.536 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

Instrument :

MSVOA_N

ClientSampled :

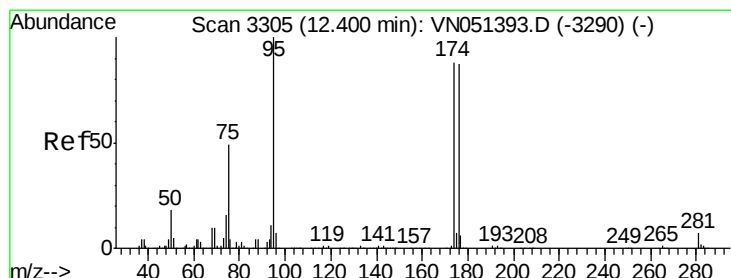
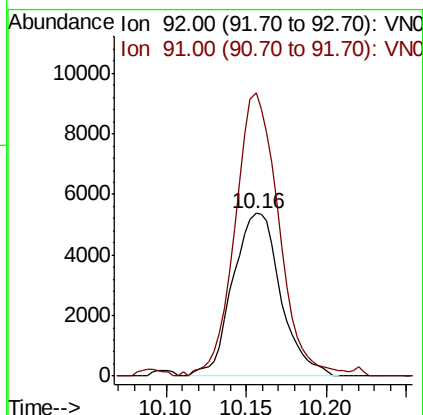
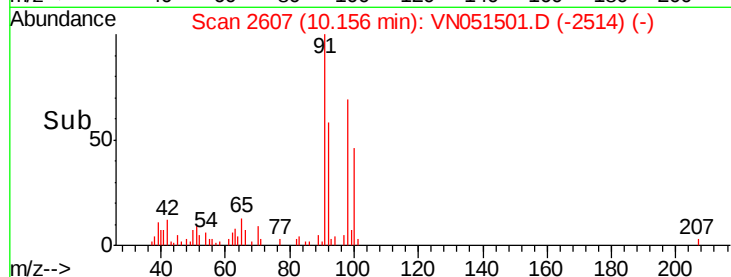
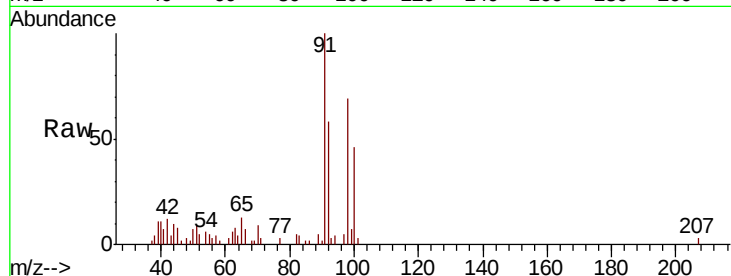
MH-128

Tot Ion: 92 Resp: 11001

Ion Ratio Lower Upper

92 100

91 159.2 142.2 213.4



#62

4-Bromofluorobenzene

Concen: 41.373 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

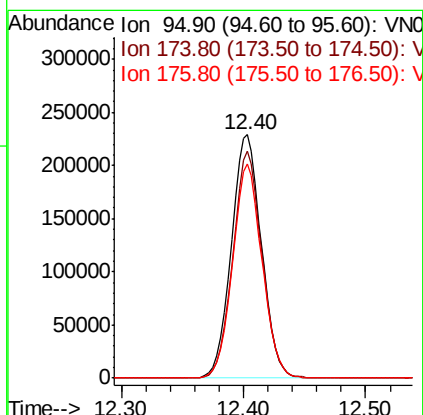
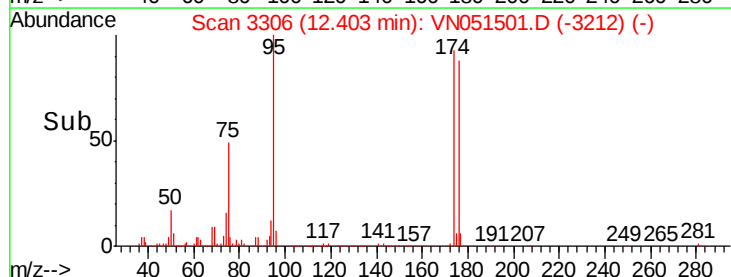
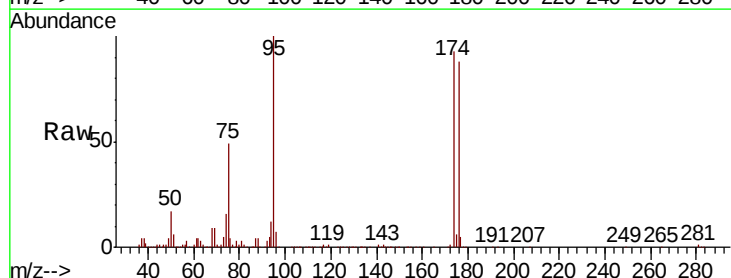
Tgt Ion: 95 Resp: 391407

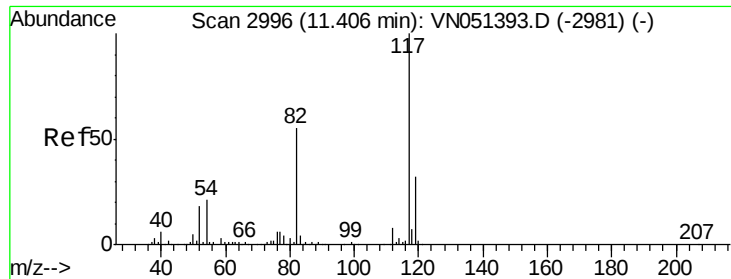
Ion Ratio Lower Upper

95 100

174 90.2 0.0 181.6

176 86.0 0.0 176.4

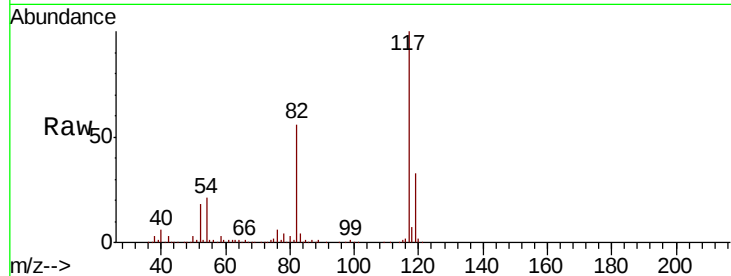




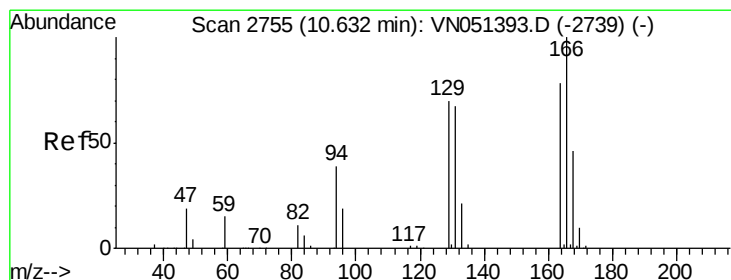
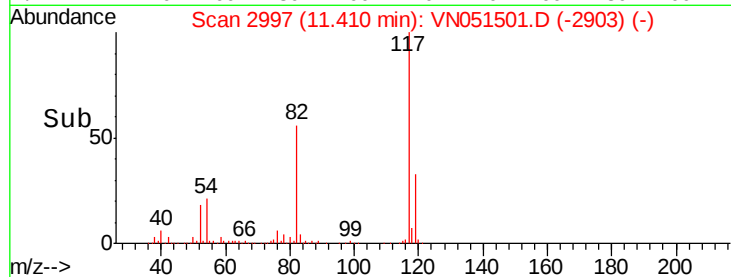
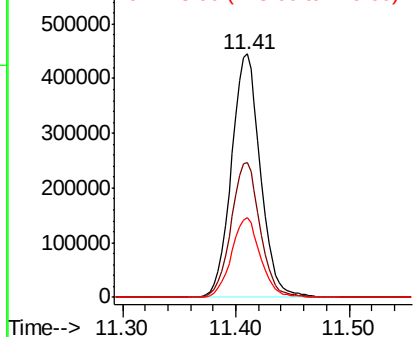
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051501.D
Acq: 25 Sep 2018 22:50

Instrument :
MSVOA_N
ClientSampled :
MH-128

Tot Ion:117 Resp: 791529
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 32.5 25.9 38.9

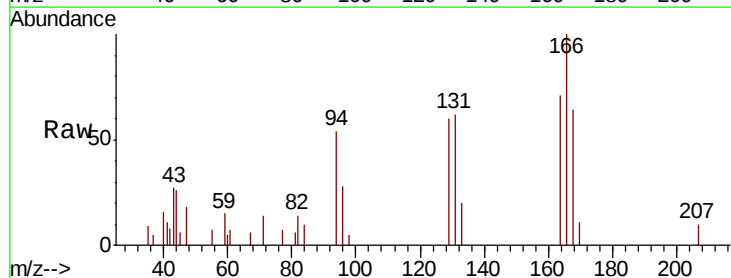


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

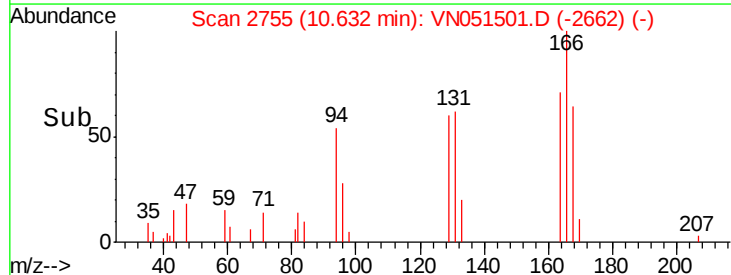
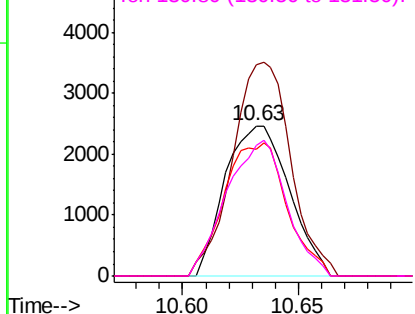


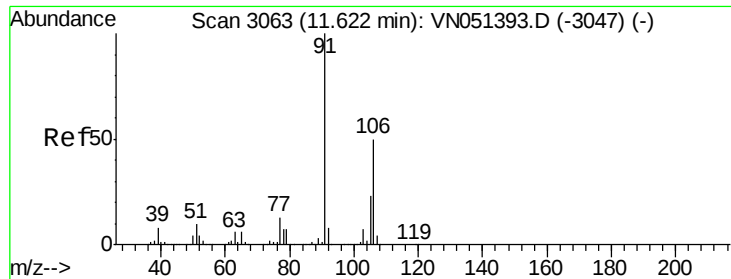
#64
Tetrachloroethene
Concen: 0.659 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051501.D
Acq: 25 Sep 2018 22:50

Tgt Ion:164 Resp: 4737
Ion Ratio Lower Upper
164 100
166 140.5 102.3 153.5
129 84.6 71.8 107.8
131 86.8 68.6 102.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

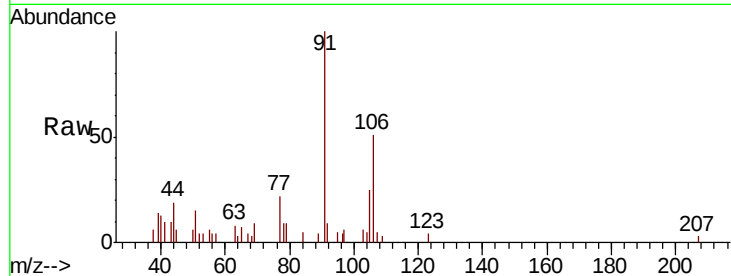




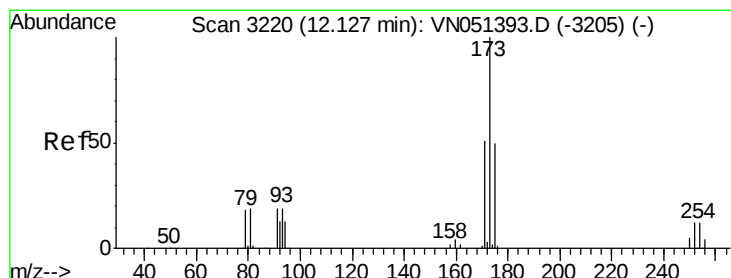
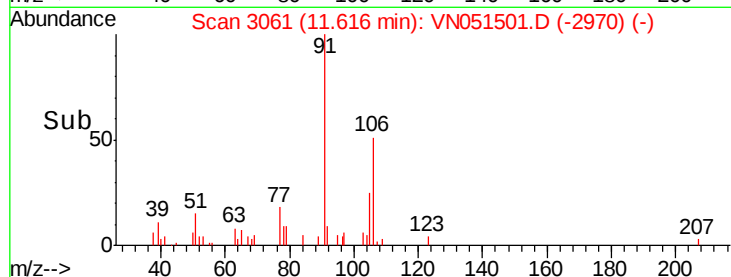
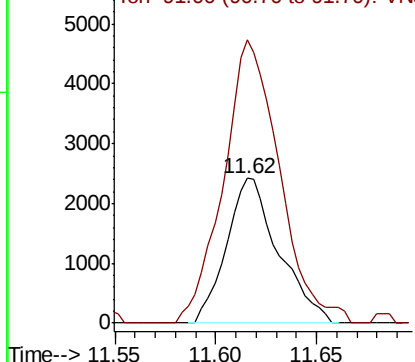
#68
m/p-Xvlenes
Concen: 0.330 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN051501.D
Acq: 25 Sep 2018 22:50

Instrument :
MSVOA_N
ClientSampled :
MH-128

Tot Ion:106 Resp: 4366
Ion Ratio Lower Upper
106 100
91 210.0 161.3 241.9

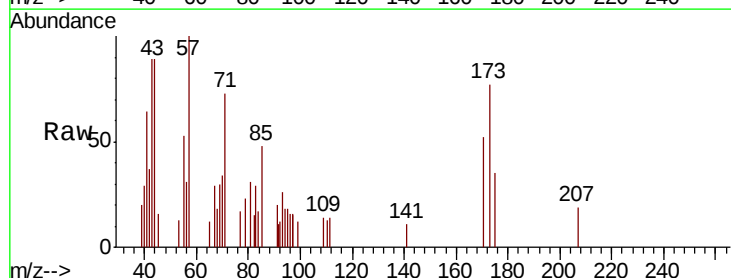


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

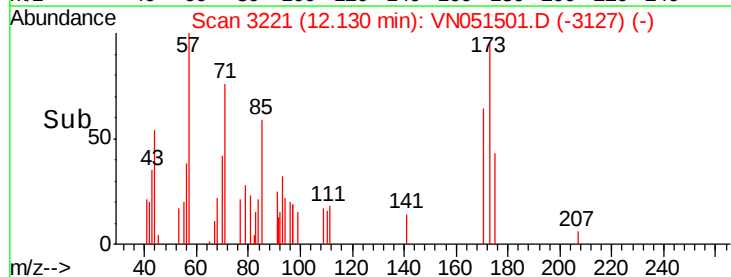
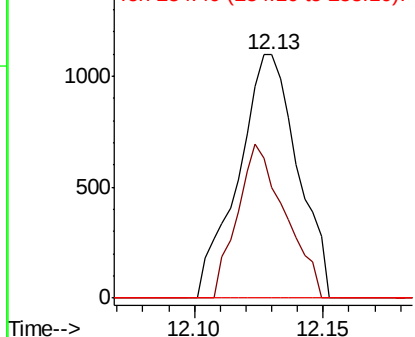


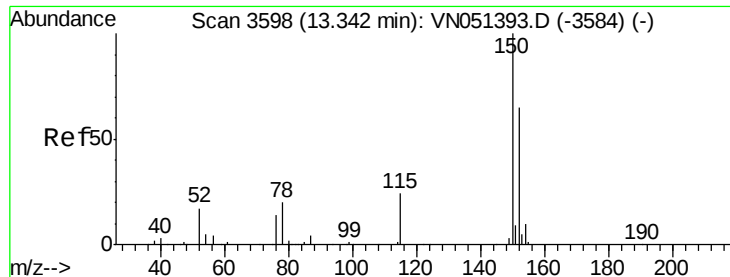
#71
Bromoform
Concen: 0.336 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN051501.D
Acq: 25 Sep 2018 22:50

Tgt Ion:173 Resp: 1763
Ion Ratio Lower Upper
173 100
175 50.8 24.8 74.3
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

MH-128

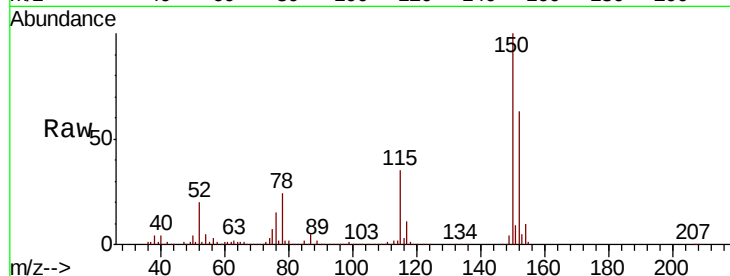
Tot Ion:152 Resp: 306704

Ion Ratio Lower Upper

152 100

115 56.3 28.3 84.9

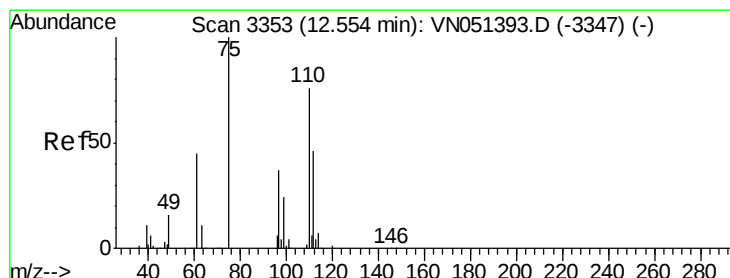
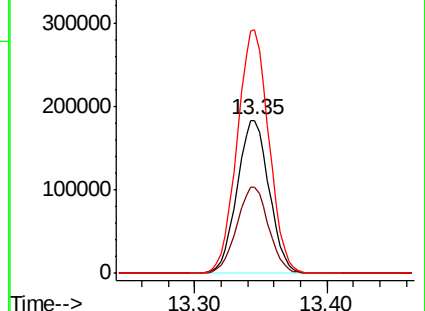
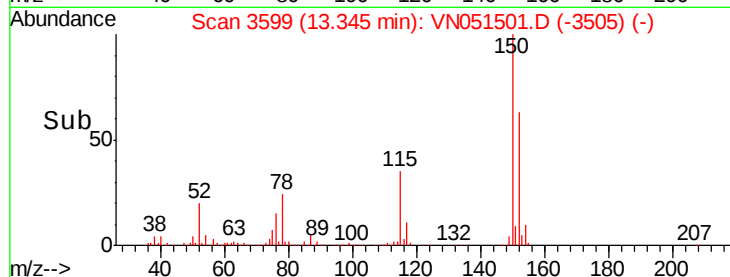
150 157.5 0.0 353.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 37.280 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051501.D

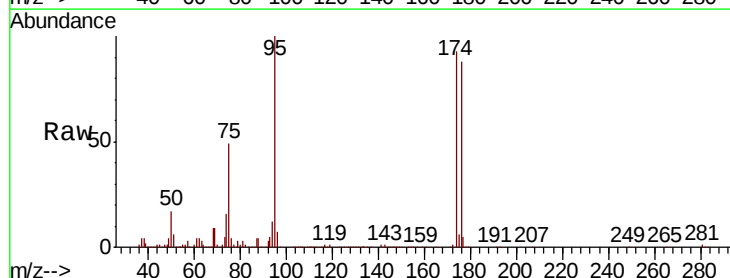
Acq: 25 Sep 2018 22:50

Tgt Ion: 75 Resp: 189811

Ion Ratio Lower Upper

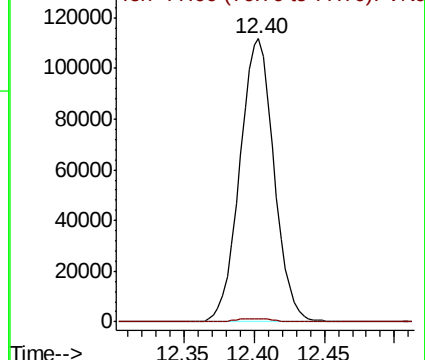
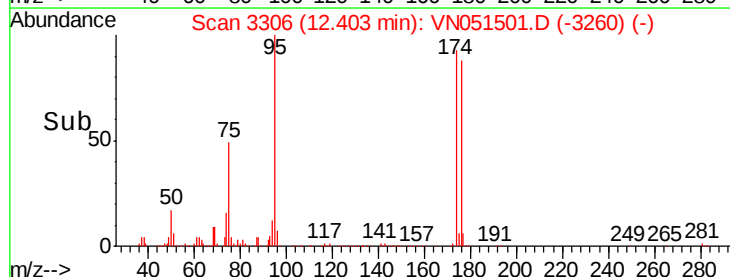
75 100

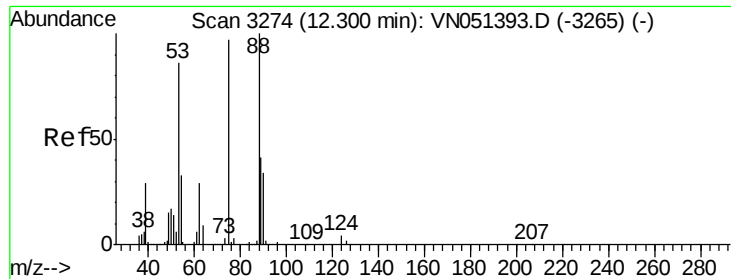
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 114.634 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

MH-128

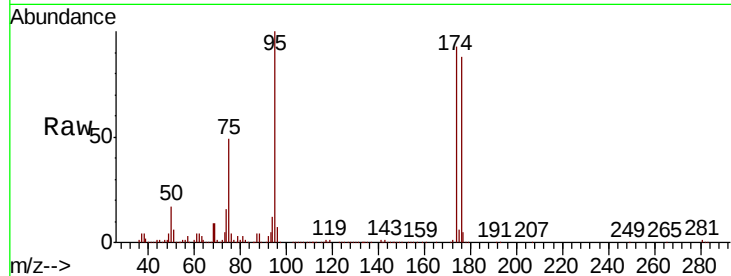
Tot Ion: 75 Resp: 189811

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

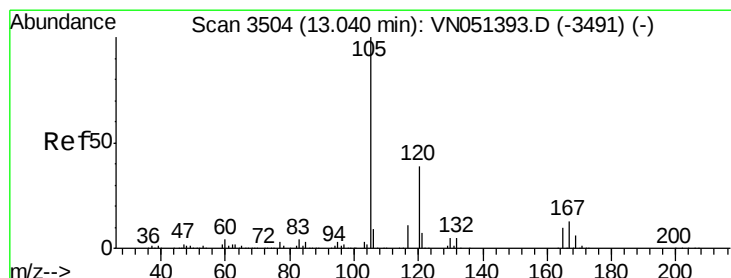
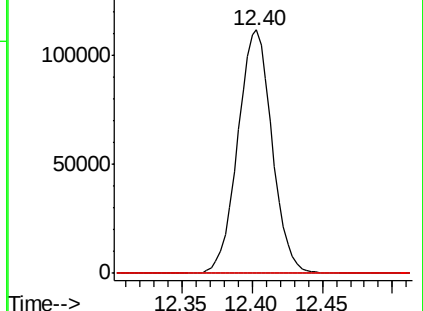
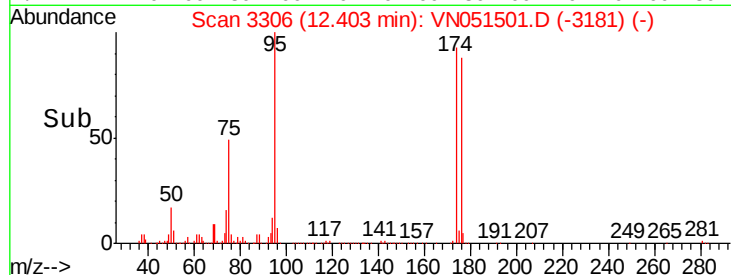
89 0.1 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN051501.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051501.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051501.D (-3181) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.210 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN051501.D

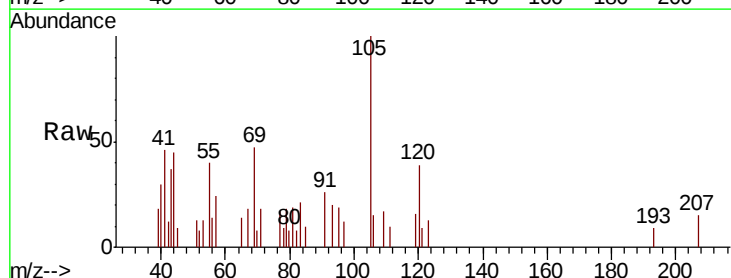
Acq: 25 Sep 2018 22:50

Tgt Ion: 105 Resp: 4465

Ion Ratio Lower Upper

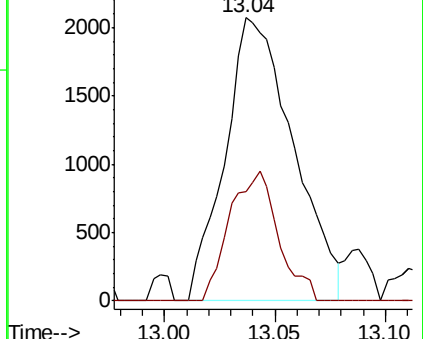
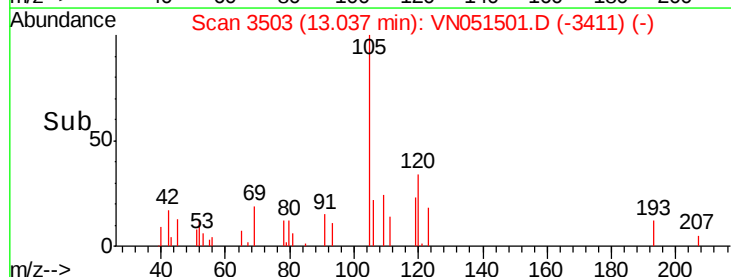
105 100

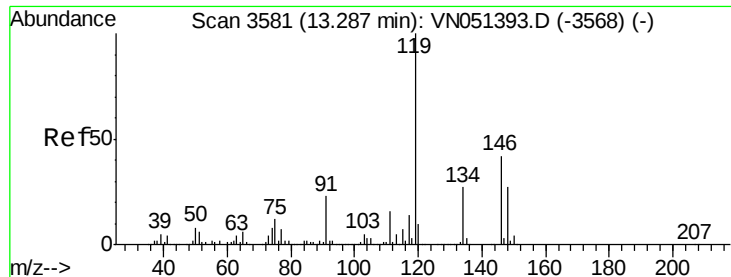
120 32.7 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): VN051501.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN051501.D (-3411) (-)

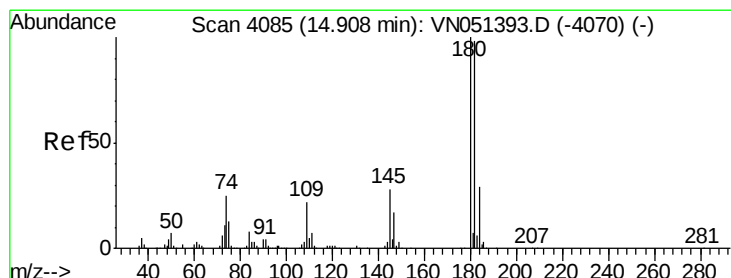
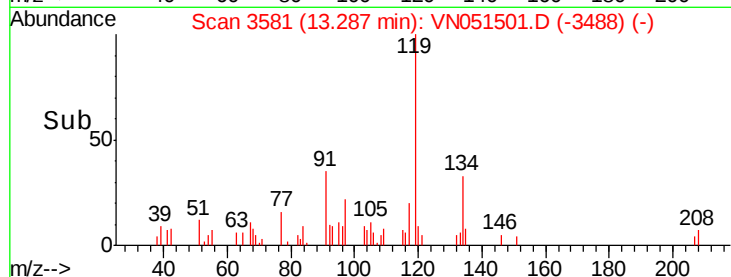
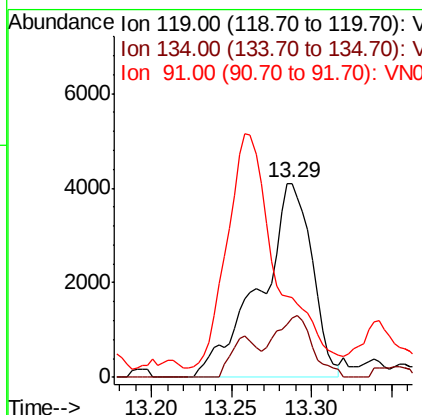
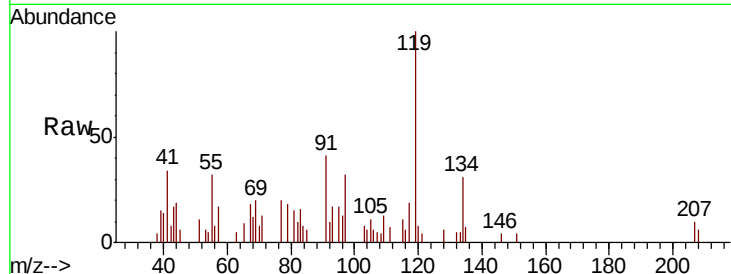




#86
 p-Isopropyltoluene
 Concen: 0.420 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051501.D
 Acq: 25 Sep 2018 22:50

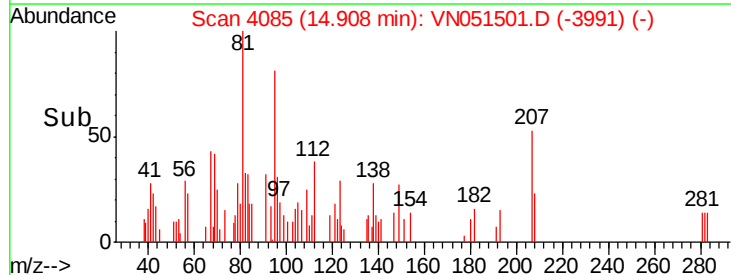
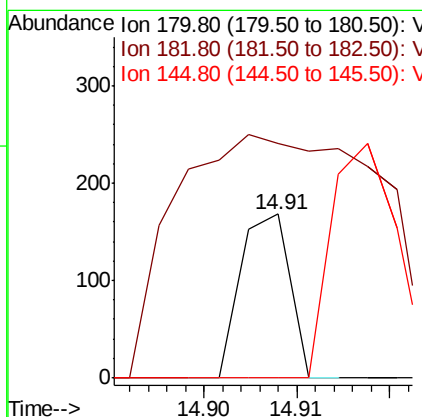
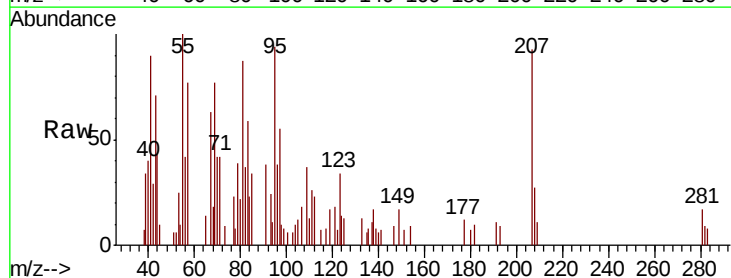
Instrument :
 MSVOA_N
 ClientSampled :
 MH-128

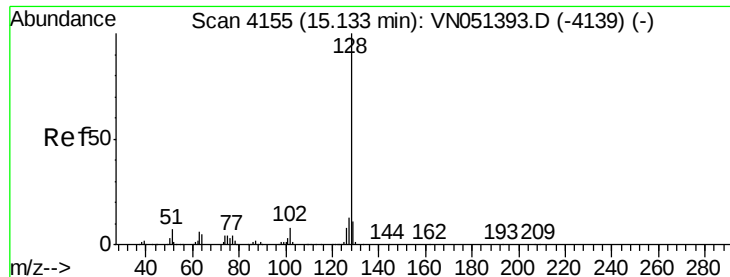
Tot Ion:119 Resp: 9223
 Ion Ratio Lower Upper
 119 100
 134 23.4 13.3 39.9
 91 0.0 11.4 34.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 5.991 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051501.D
 Acq: 25 Sep 2018 22:50

Tgt Ion:180 Resp: 62
 Ion Ratio Lower Upper
 180 100
 182 611.3 48.5 145.6#
 145 188.7 14.1 42.4#





#95

Naphthalene

Concen: 8.133 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN051501.D

Acq: 25 Sep 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

MH-128

Tot Ion:128 Resp: 1211

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 14.1 8.6 12.8#

