

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053008.D
 Acq On : 19 Dec 2018 13:56
 Operator : MD\SY
 Sample : J6347-05MEDL 200X
 Misc : 3.88g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 05:19:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1337216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2038703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1804713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	701820	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	646308	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
35) Dibromofluoromethane	7.59	113	503165	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
50) Toluene-d8	10.09	98	2490476	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.40	95	801032	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	

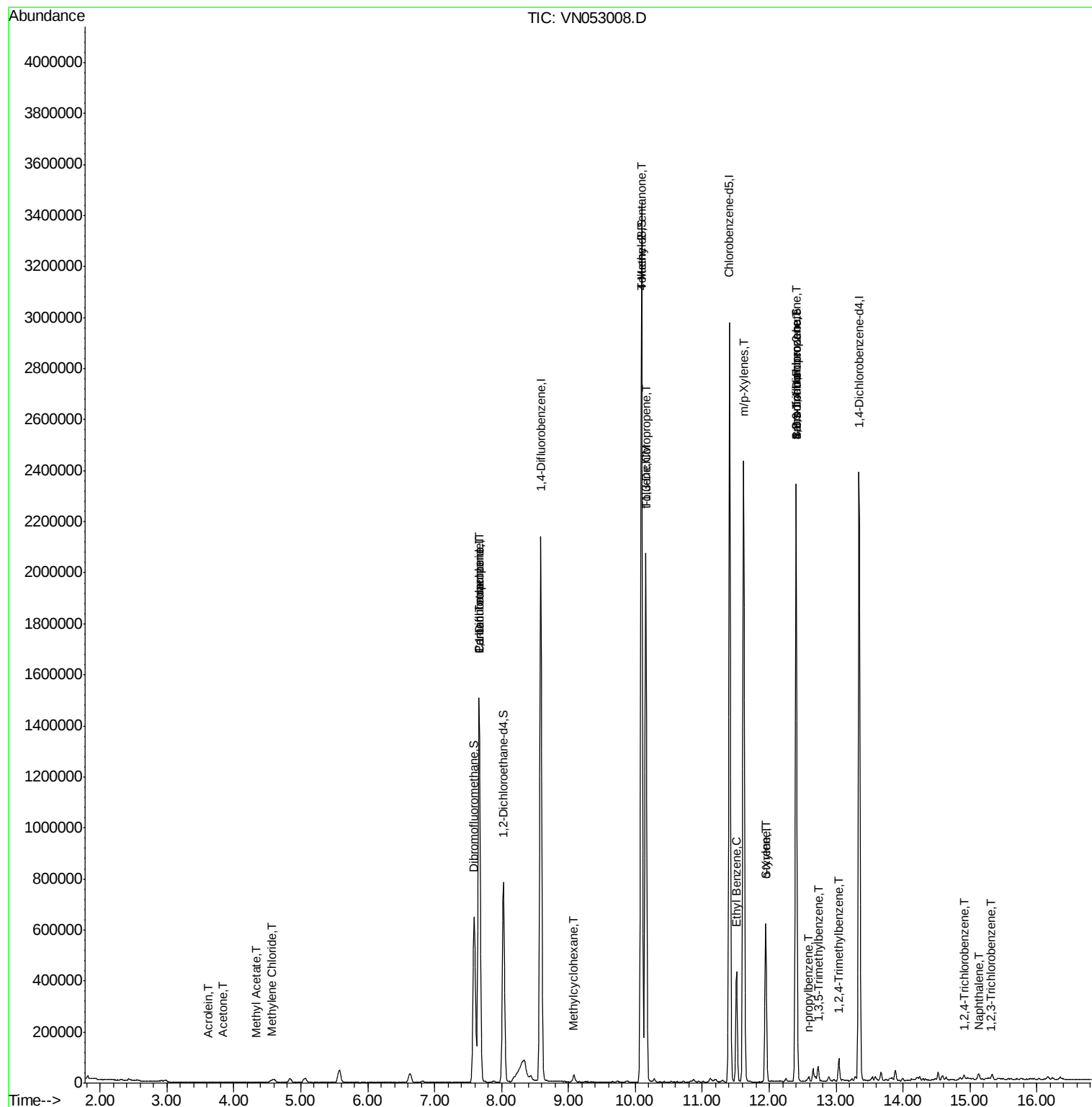
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	158	0.210	ug/l #	61
16) Acetone	3.82	43	2579	0.969	ug/l	91
18) Methyl Acetate	4.34	43	4008	1.317	ug/l #	62
20) Methylene Chloride	4.55	84	4722	0.325	ug/l	90
36) 1,1-Dichloropropene	7.66	75	88262	4.511	ug/l #	48
38) Carbon Tetrachloride	7.67	117	116355	6.487	ug/l #	15
39) Methylcyclohexane	9.08	83	12523	0.527	ug/l	91
43) Isopropyl Acetate	8.18	43	10730	Below Cal	#	53
51) 4-Methyl-2-Pentanone	10.08	43	9614	0.909	ug/l #	1
52) Toluene	10.16	92	924499	25.626	ug/l	99
53) t-1,3-Dichloropropene	10.15	75	10524	0.533	ug/l #	1
67) Ethyl Benzene	11.51	91	323488	4.702	ug/l	99
68) m/p-Xylenes	11.62	106	776825	29.702	ug/l	100
69) o-Xylene	11.95	106	176134	7.018	ug/l	99
70) Styrene	11.95	104	9303	0.227	ug/l #	1
71) Bromoform	12.40	173	4449	0.443	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	374731	31.718	ug/l #	100
78) n-propylbenzene	12.59	91	15890	0.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	16526	0.369	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	374731	102.231	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	50741	1.128	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	6352	1.094	ug/l #	83
95) Naphthalene	15.14	128	16318	1.724	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	2098	0.691	ug/l #	85

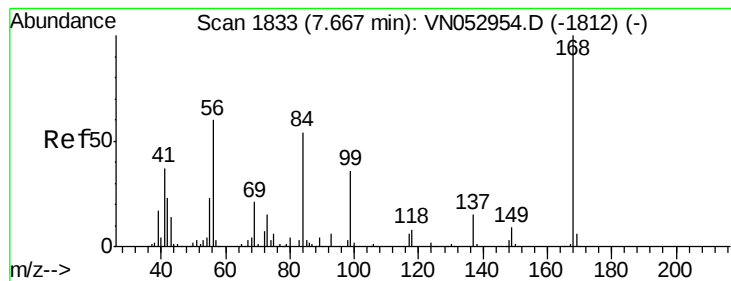
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 20 05:19:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053008.D

Acq: 19 Dec 2018 13:56

Instrument :

MSVOA_N

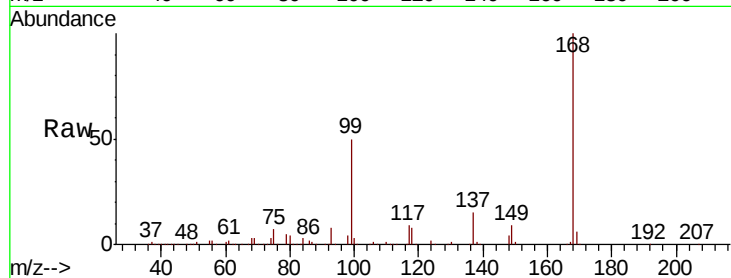
ClientSampled :

Tot Ion:168 Resp: 1337216

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

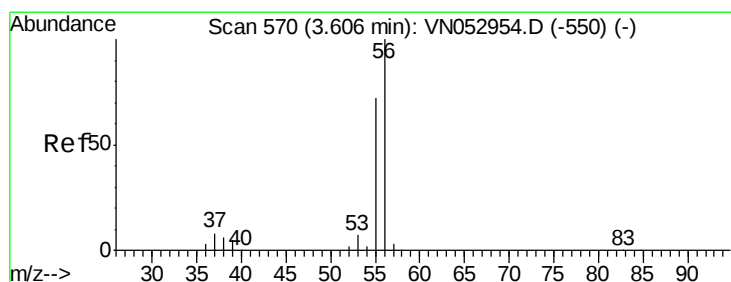
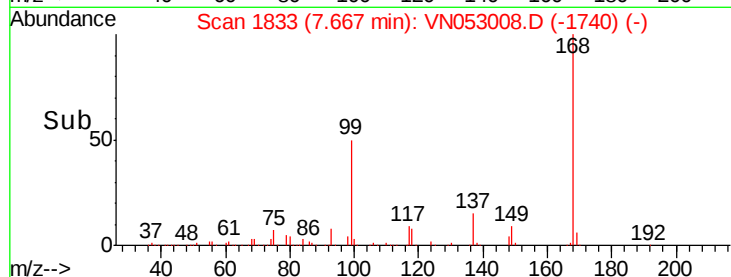
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.210 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053008.D

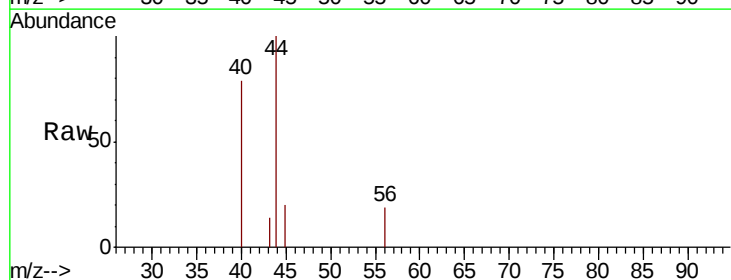
Acq: 19 Dec 2018 13:56

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100

55 38.6 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.61

250

200

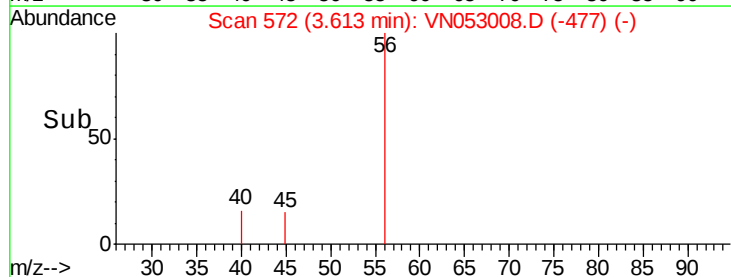
150

100

50

0

Time-->





#16

Acetone

Concen: 0.969 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053008.D

Acq: 19 Dec 2018 13:56

Instrument :

MSVOA_N

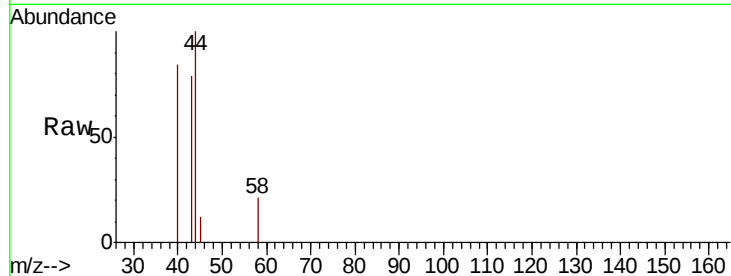
ClientSampled :

Tot Ion: 43 Resp: 2579

Ion Ratio Lower Upper

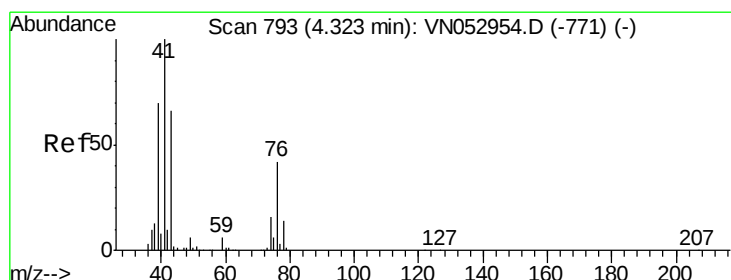
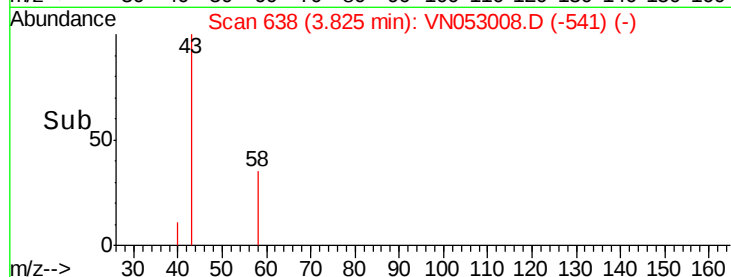
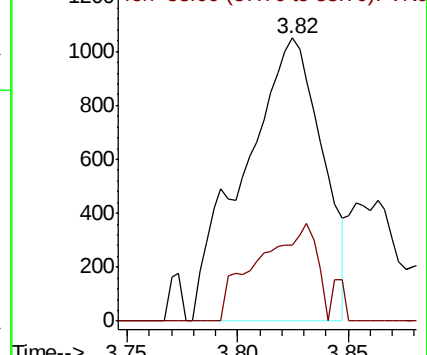
43 100

58 26.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.317 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.02 min

Lab File: VN053008.D

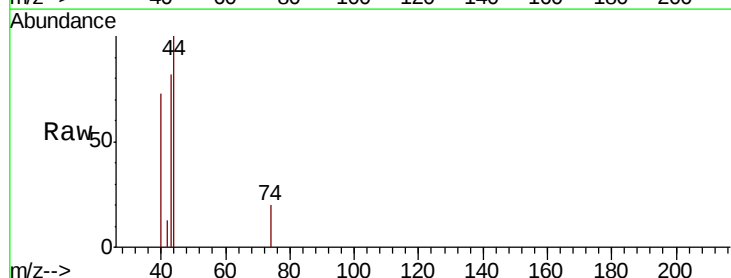
Acq: 19 Dec 2018 13:56

Tgt Ion: 43 Resp: 4008

Ion Ratio Lower Upper

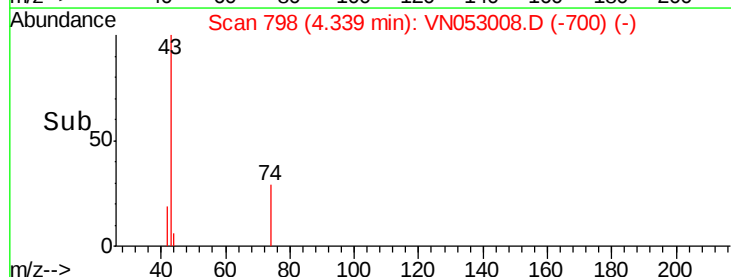
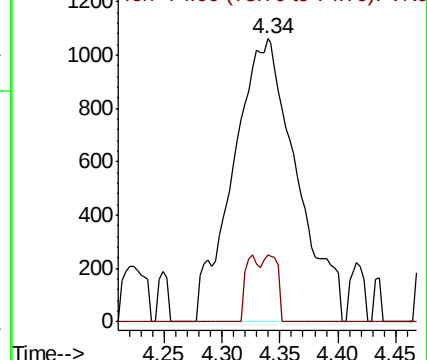
43 100

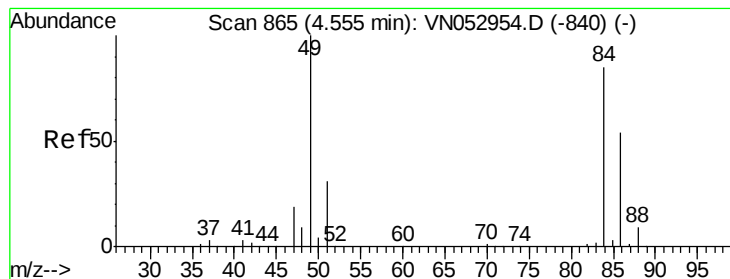
74 5.3 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methylene Chloride

Concen: 0.325 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN053008.D

Acq: 19 Dec 2018 13:56

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 84 Resp: 4722

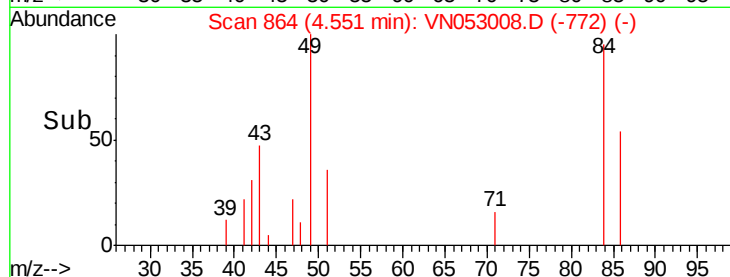
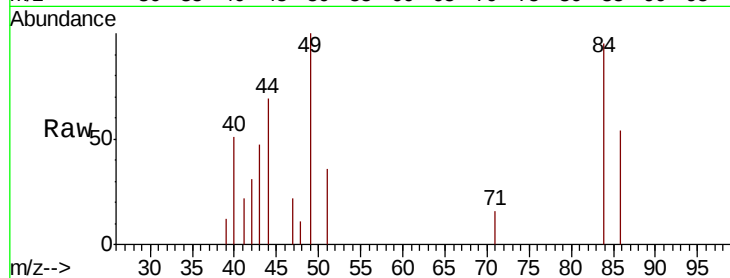
Ion Ratio Lower Upper

84 100

49 105.6 96.8 145.2

51 37.7 29.9 44.9

86 57.5 51.8 77.6

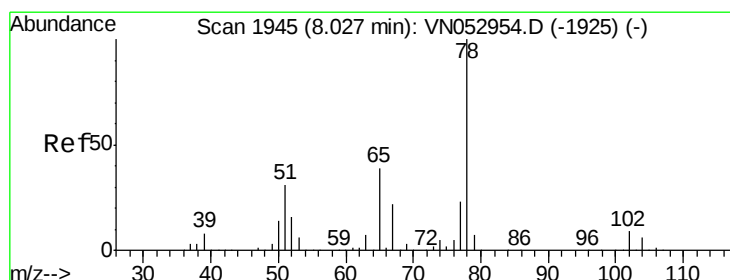
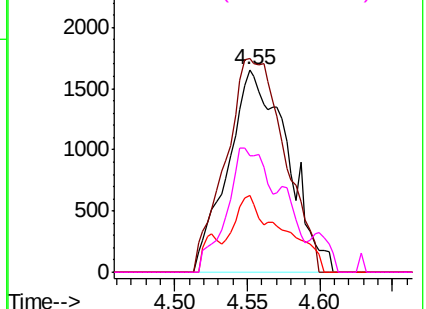


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053008.D

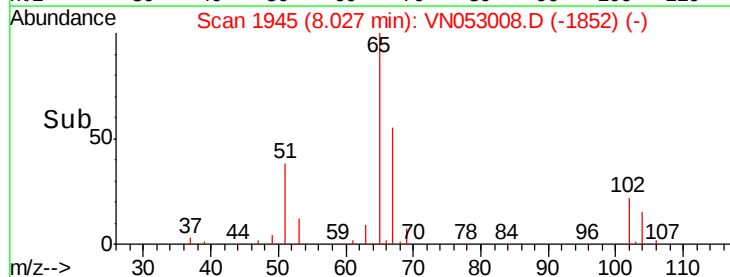
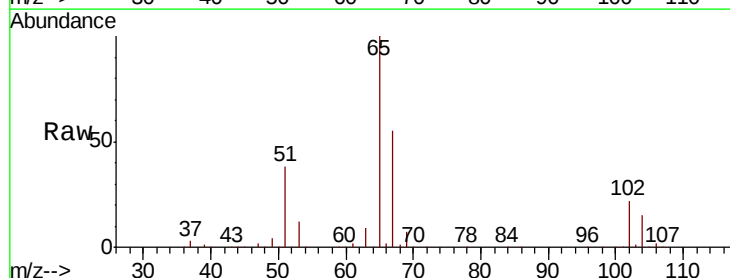
Acq: 19 Dec 2018 13:56

Tgt Ion: 65 Resp: 646308

Ion Ratio Lower Upper

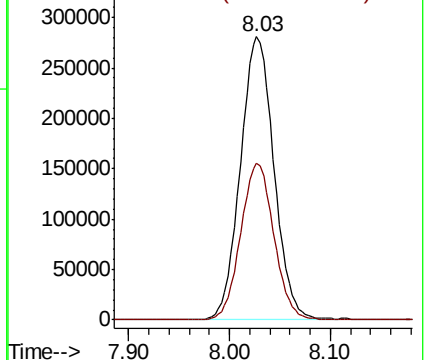
65 100

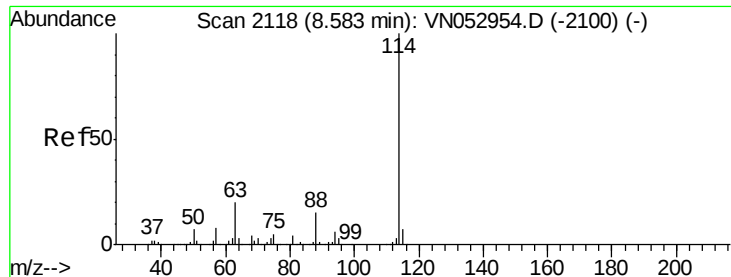
67 54.8 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

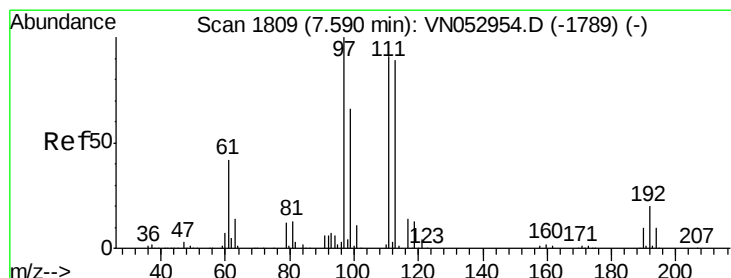
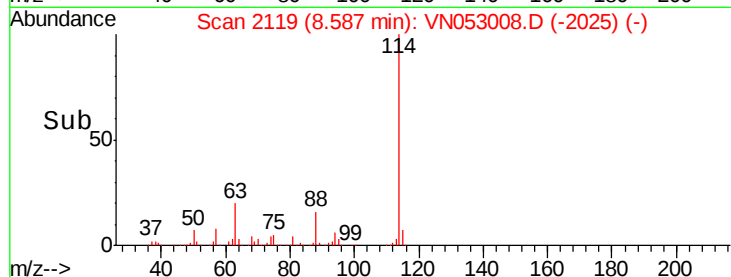
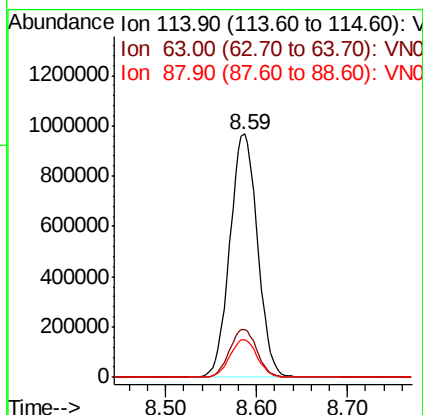
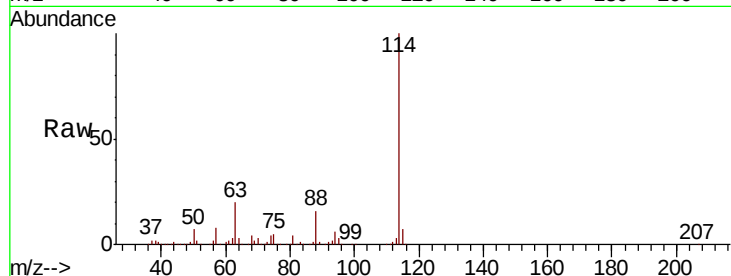




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053008.D
 Acq: 19 Dec 2018 13:56

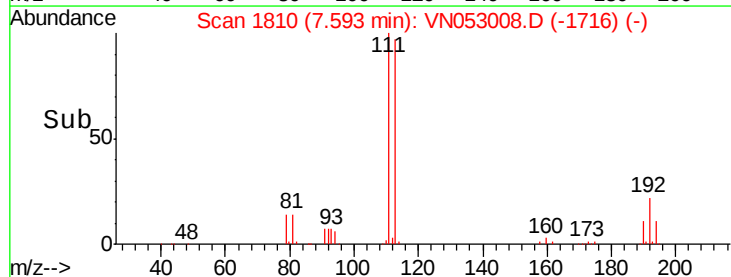
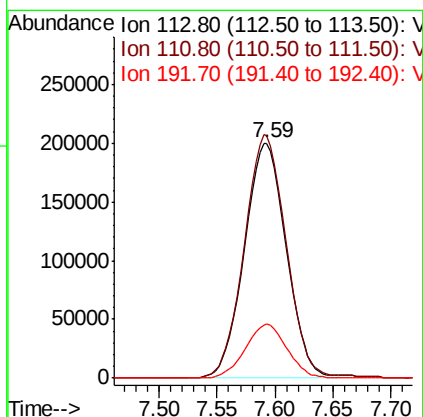
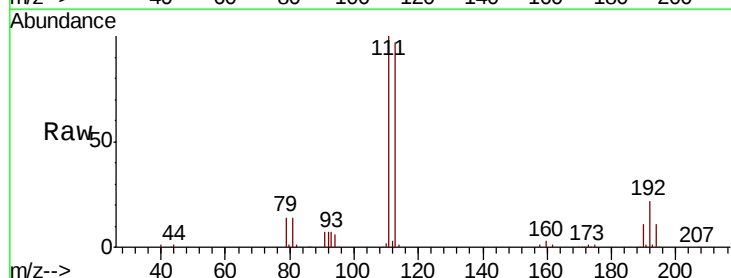
Instrument :
 MSVOA_N
 ClientSampleId :

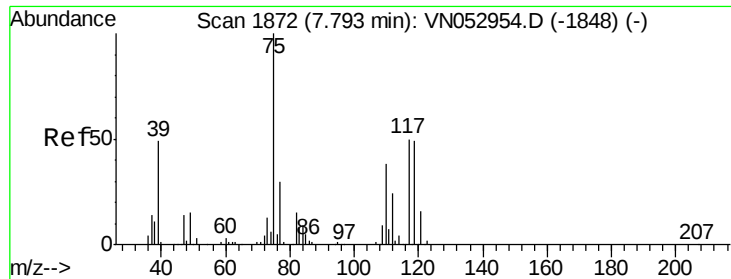
Tot Ion:114 Resp: 2038703
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.7 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053008.D
 Acq: 19 Dec 2018 13:56

Tgt Ion:113 Resp: 503165
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.0 124.4
 192 22.8 17.5 26.3

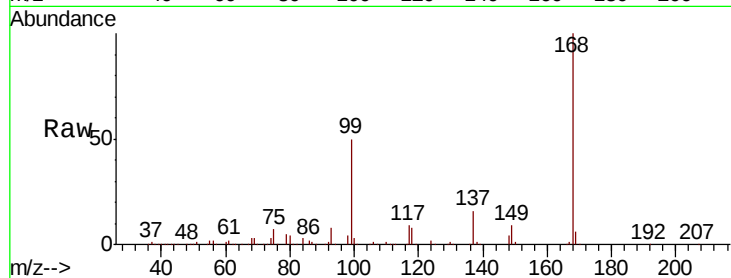




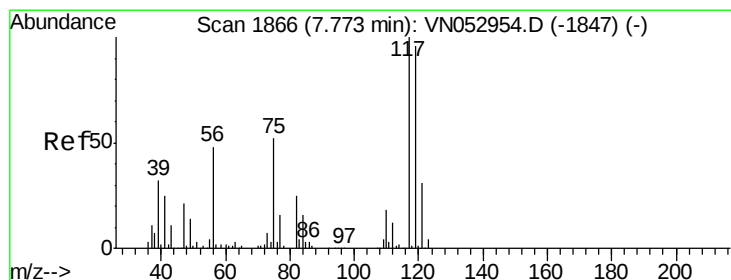
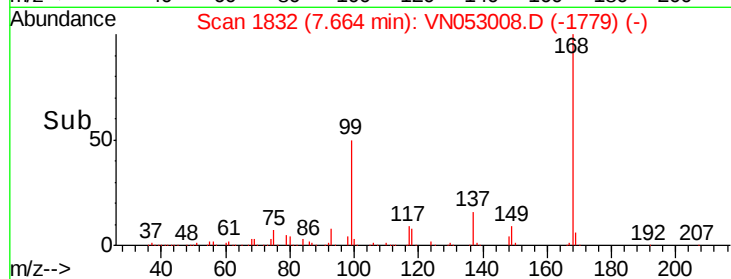
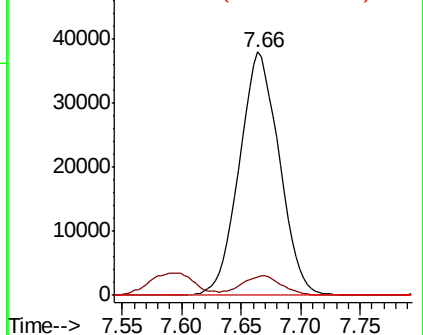
#36
 1,1-Dichloropropene
 Concen: 4.511 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053008.D
 Acq: 19 Dec 2018 13:56

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	75	Resp	88262
Ion Ratio	100	Lower	Upper
75	100		
110	8.1	18.2	54.6#
77	0.0	24.9	37.3#

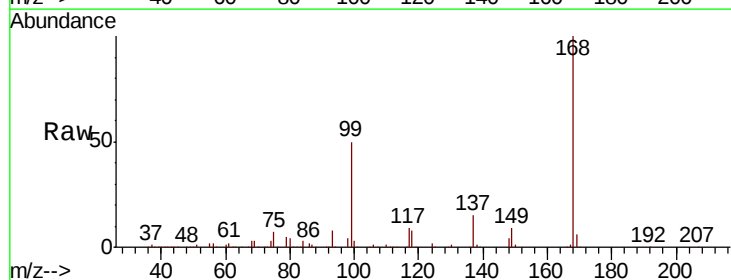


Abundance Ion 74.90 (74.60 to 75.60): VN052954.D (-1848) (-)
 Ion 109.90 (109.60 to 110.60): VN052954.D (-1848) (-)
 Ion 76.90 (76.60 to 77.60): VN052954.D (-1848) (-)

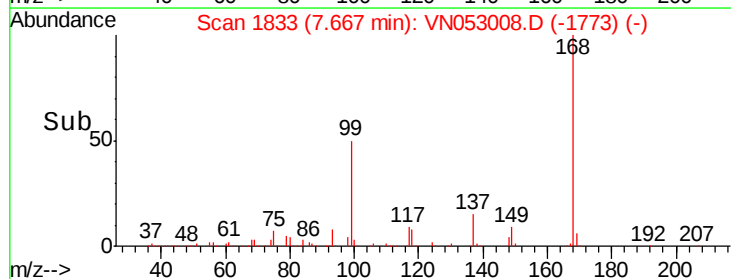
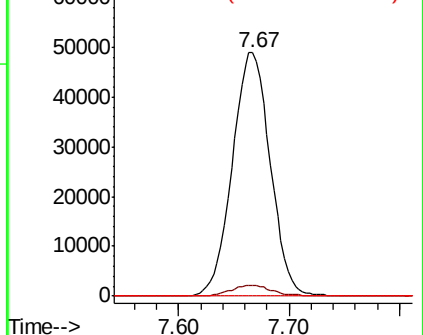


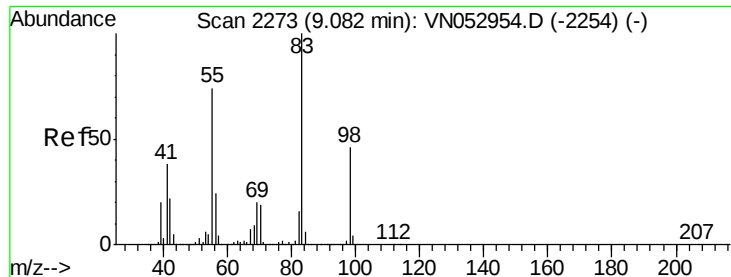
#38
 Carbon Tetrachloride
 Concen: 6.487 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053008.D
 Acq: 19 Dec 2018 13:56

Tgt Ion	117	Resp	116355
Ion Ratio	100	Lower	Upper
117	100		
119	4.2	77.1	115.7#
121	0.0	24.9	37.3#



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-1847) (-)
 Ion 118.80 (118.50 to 119.50): VN052954.D (-1847) (-)
 Ion 120.80 (120.50 to 121.50): VN052954.D (-1847) (-)

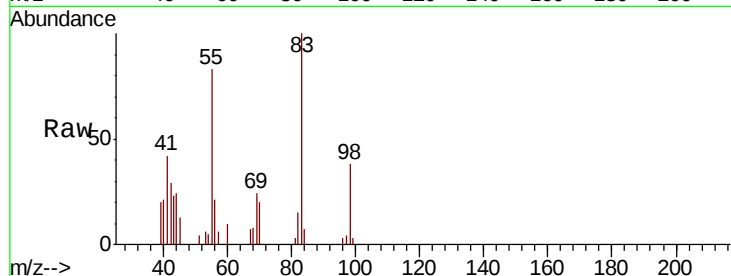




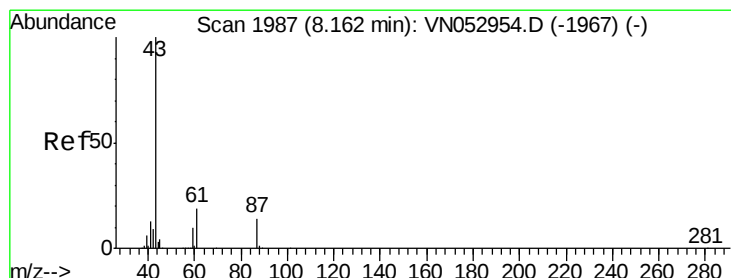
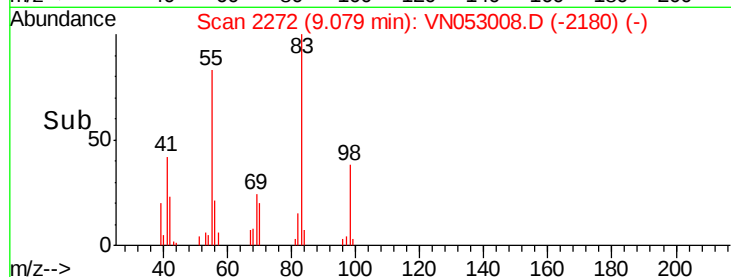
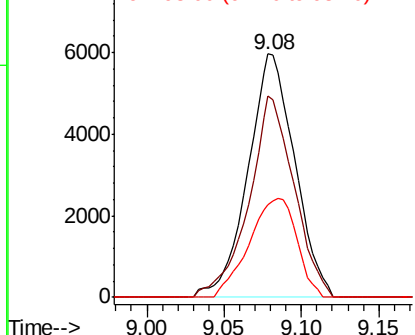
#39
Methvlcvclohexane
Concen: 0.527 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053008.D
Acq: 19 Dec 2018 13:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	83	Resp	12523
Ion Ratio	Lower	Upper	
83	100		
55	82.9	61.3	91.9
98	38.1	37.0	55.4

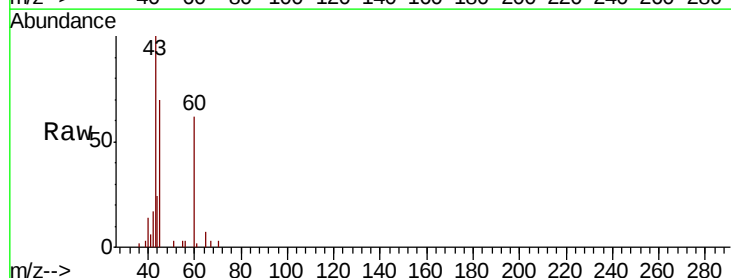


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

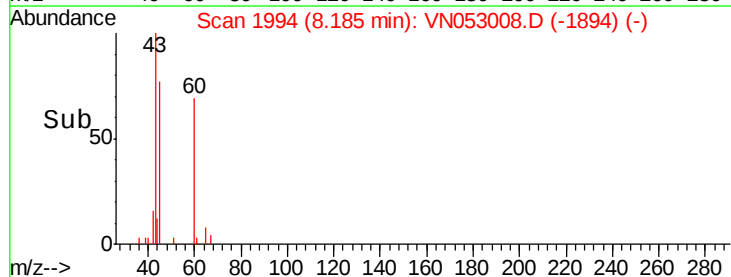
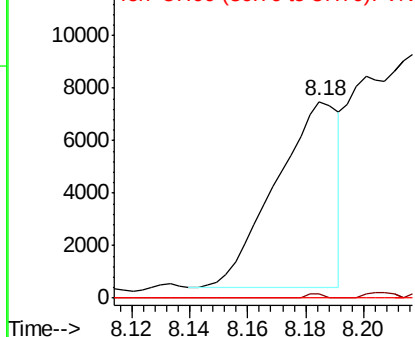


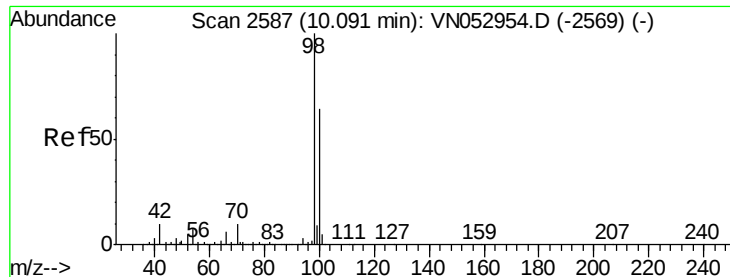
#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.18 min Scan# 1994
Delta R.T. 0.02 min
Lab File: VN053008.D
Acq: 19 Dec 2018 13:56

Tgt Ion	43	Resp	10730
Ion Ratio	Lower	Upper	
43	100		
61	0.0	22.9	34.3#
87	0.0	10.6	15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053008.D

Acq: 19 Dec 2018 13:56

Instrument :

MSVOA_N

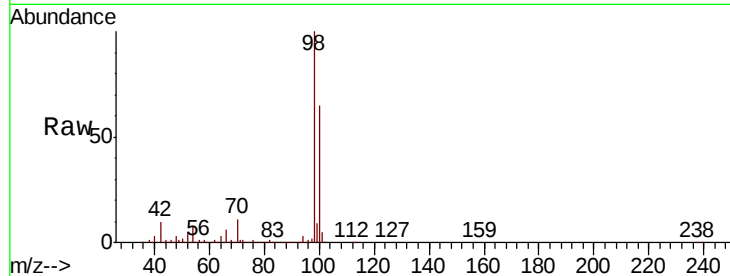
ClientSampleId :

Tot Ion: 98 Resp: 2490476

Ion Ratio Lower Upper

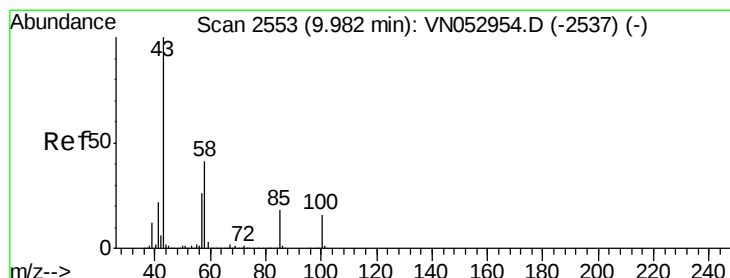
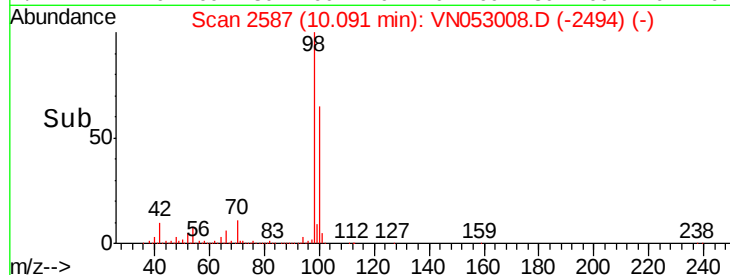
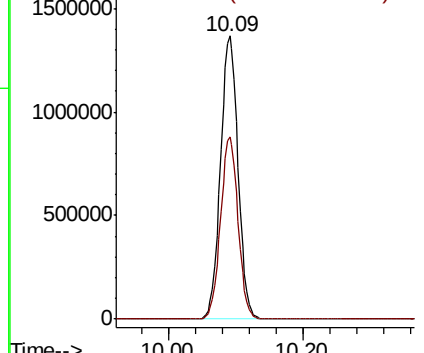
98 100

100 64.2 51.6 77.4



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: 0.909 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.10 min

Lab File: VN053008.D

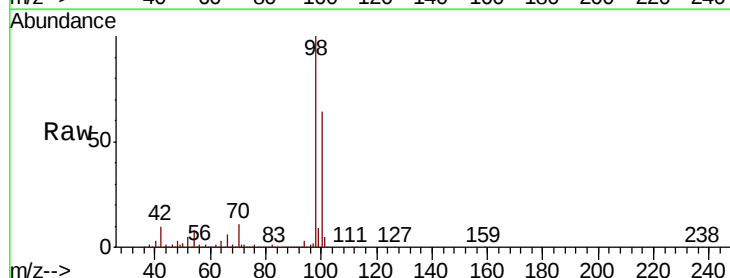
Acq: 19 Dec 2018 13:56

Tgt Ion: 43 Resp: 9614

Ion Ratio Lower Upper

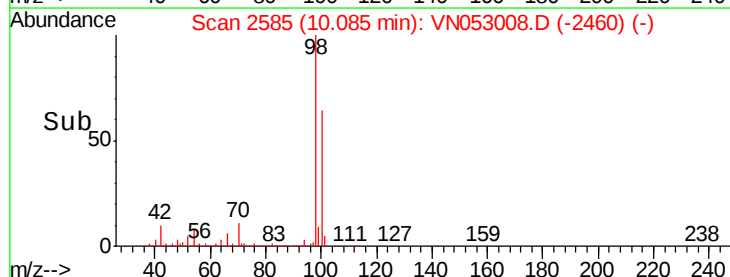
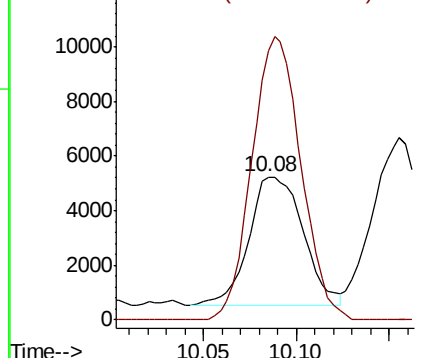
43 100

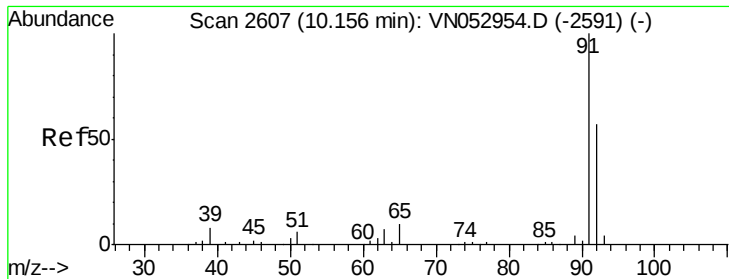
58 197.9 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 25.626 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053008.D

Acq: 19 Dec 2018 13:56

Instrument :

MSVOA_N

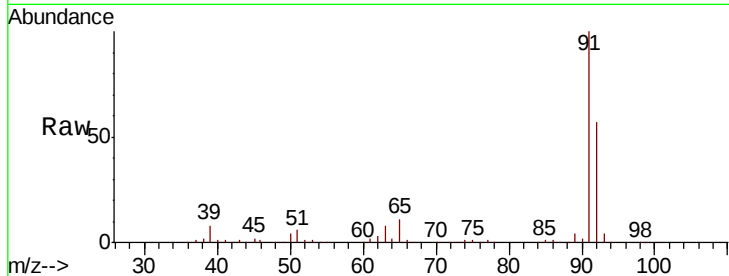
ClientSampled :

Tot Ion: 92 Resp: 924499

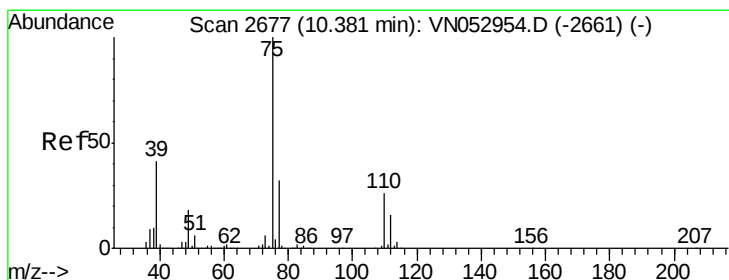
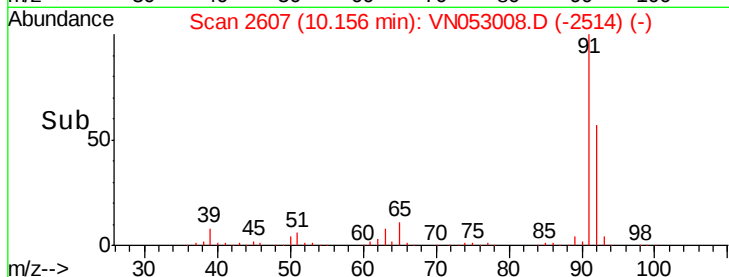
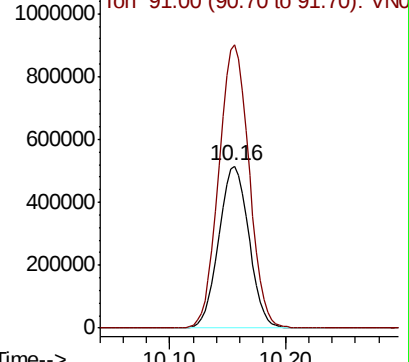
Ion Ratio Lower Upper

92 100

91 175.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN053008.D (-2514) (-)



#53

t-1,3-Dichloropropene

Concen: 0.533 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.23 min

Lab File: VN053008.D

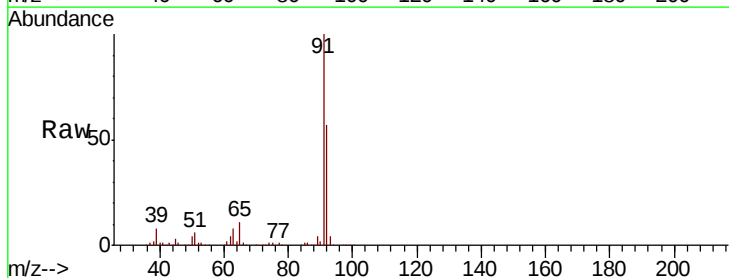
Acq: 19 Dec 2018 13:56

Tgt Ion: 75 Resp: 10524

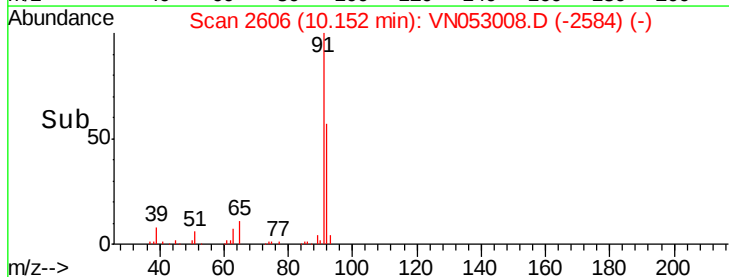
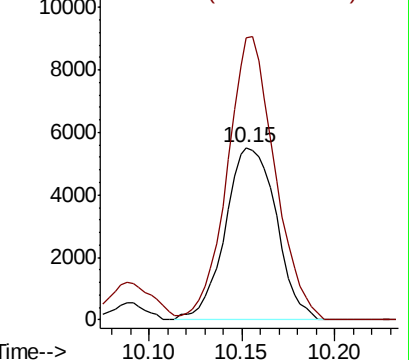
Ion Ratio Lower Upper

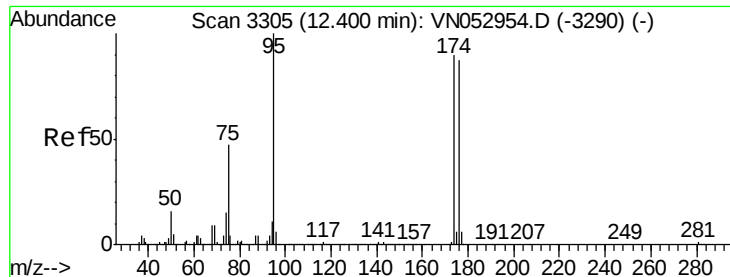
75 100

77 163.1 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VN053008.D (-2584) (-)

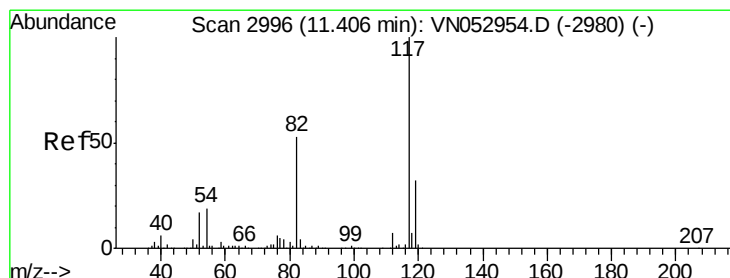
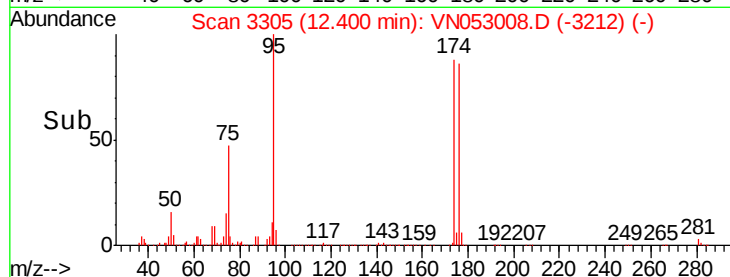
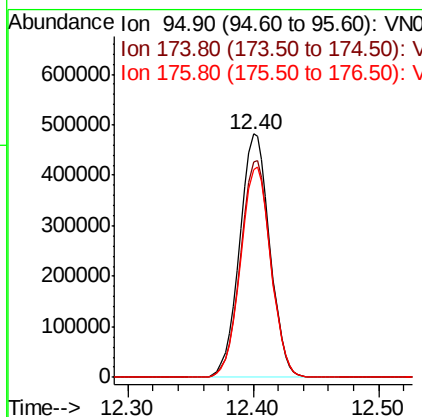
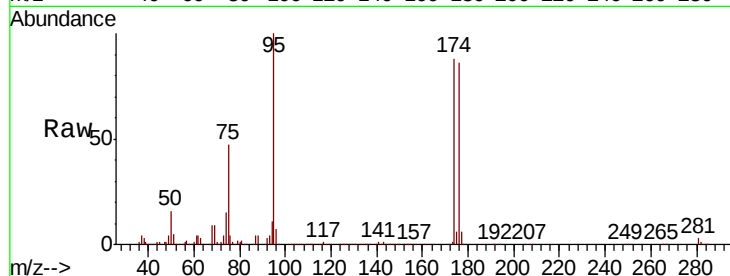




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053008.D
Acq: 19 Dec 2018 13:56

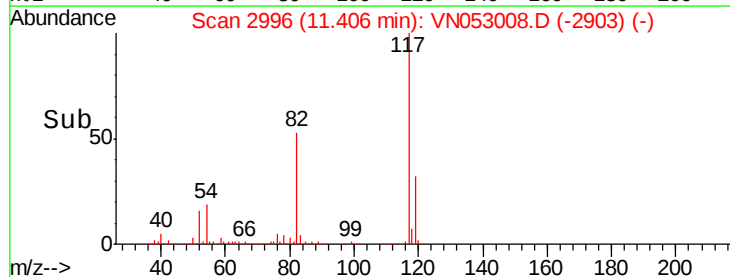
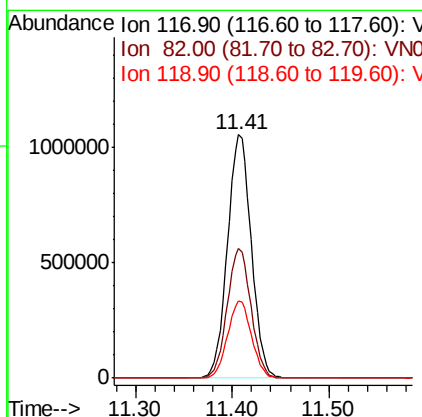
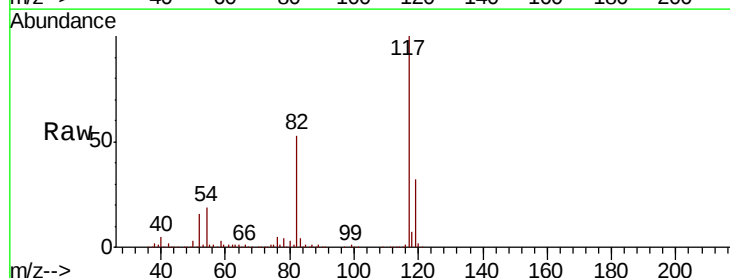
Instrument :
MSVOA_N
ClientSampleId :

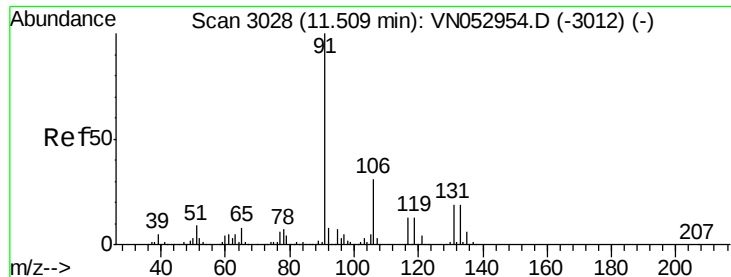
Tot Ion: 95 Resp: 801032
Ion Ratio Lower Upper
95 100
174 89.2 0.0 178.8
176 87.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053008.D
Acq: 19 Dec 2018 13:56

Tgt Ion: 117 Resp: 1804713
Ion Ratio Lower Upper
117 100
82 53.4 42.8 64.2
119 31.6 25.5 38.3

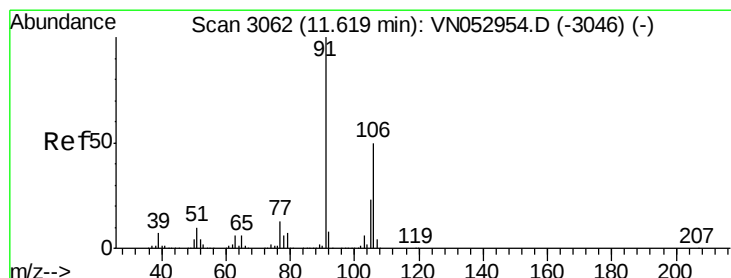
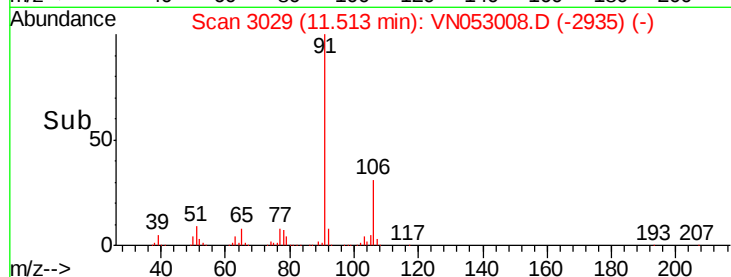
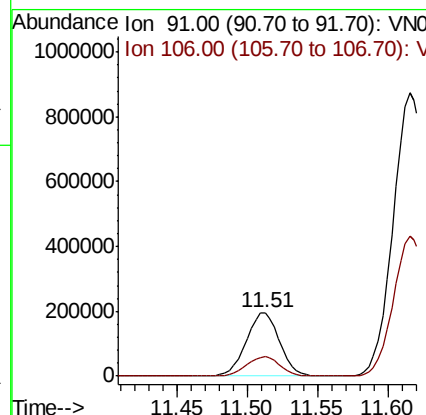
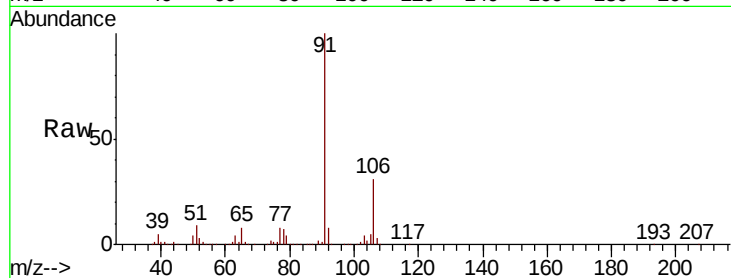




#67
Ethyl Benzene
Concen: 4.702 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053008.D
Acq: 19 Dec 2018 13:56

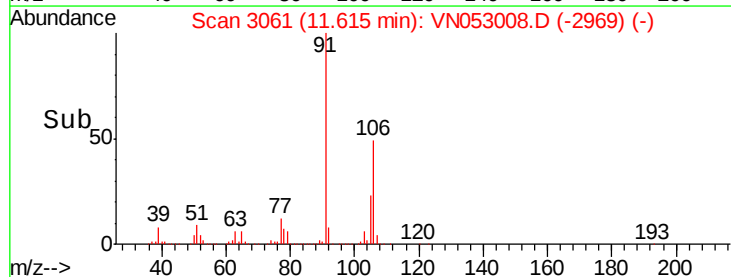
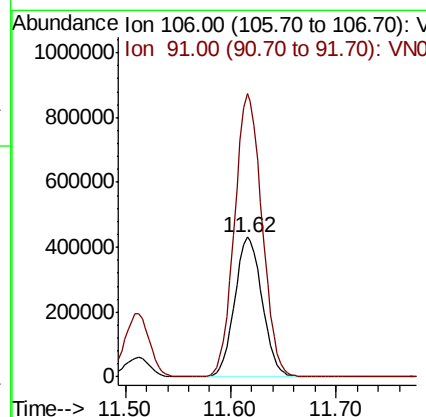
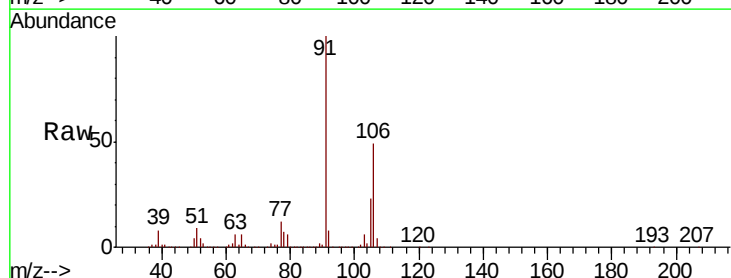
Instrument :
MSVOA_N
ClientSampled :

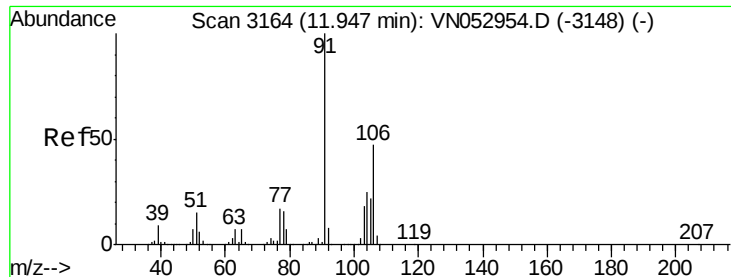
Tot Ion: 91 Resp: 323488
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3



#68
m/p-Xylenes
Concen: 29.702 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN053008.D
Acq: 19 Dec 2018 13:56

Tgt Ion: 106 Resp: 776825
Ion Ratio Lower Upper
106 100
91 202.9 162.2 243.4

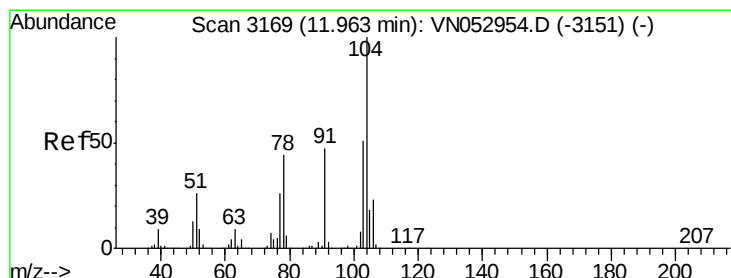
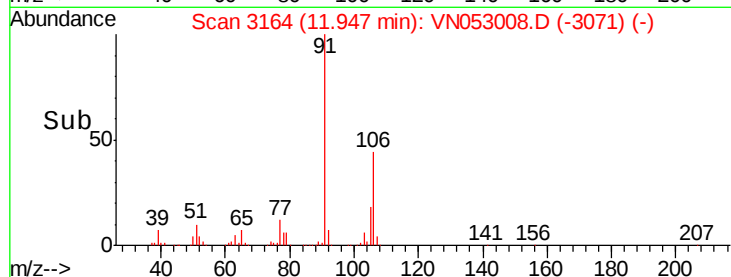
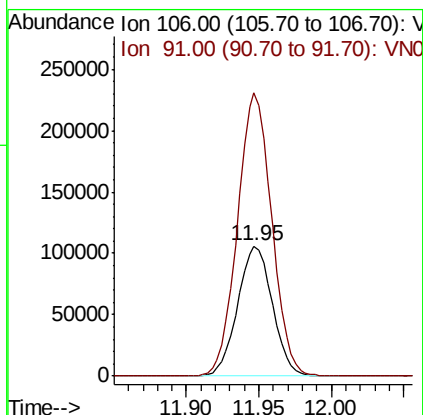
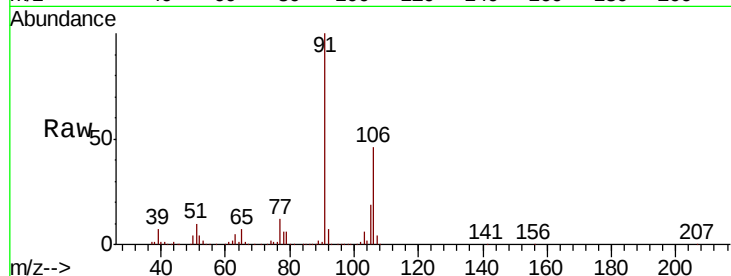




#69
o-Xylene
Concen: 7.018 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053008.D
Acq: 19 Dec 2018 13:56

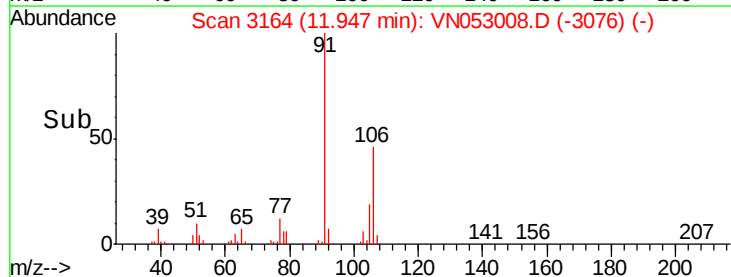
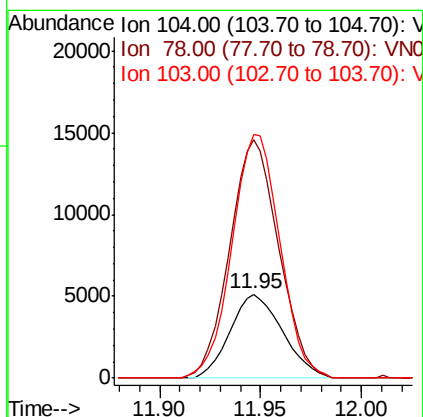
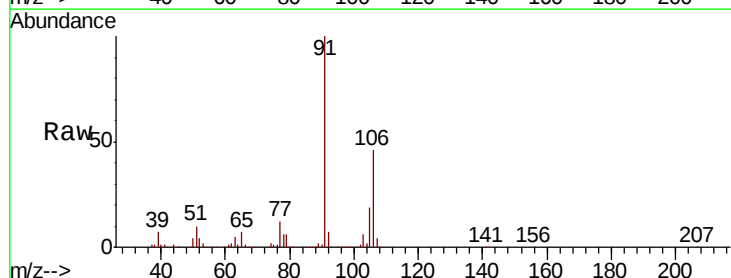
Instrument :
MSVOA_N
ClientSampled :

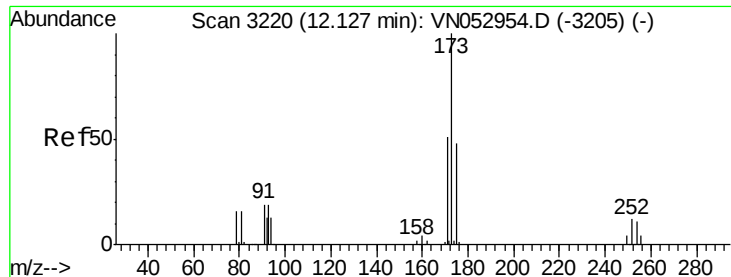
Tot Ion:106 Resp: 176134
Ion Ratio Lower Upper
106 100
91 215.5 106.6 319.8



#70
Styrene
Concen: 0.227 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN053008.D
Acq: 19 Dec 2018 13:56

Tgt Ion:104 Resp: 9303
Ion Ratio Lower Upper
104 100
78 266.5 38.9 58.3#
103 266.3 44.3 66.5#





#71

Bromoform

Concen: 0.443 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053008.D

Acq: 19 Dec 2018 13:56

Instrument :

MSVOA_N

ClientSampleId :

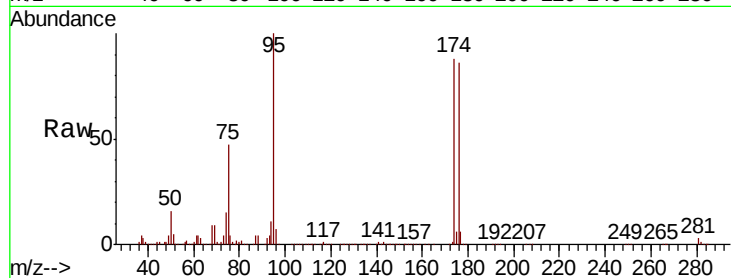
Tot Ion:173 Resp: 4449

Ion Ratio Lower Upper

173 100

175 999.2 24.3 72.9#

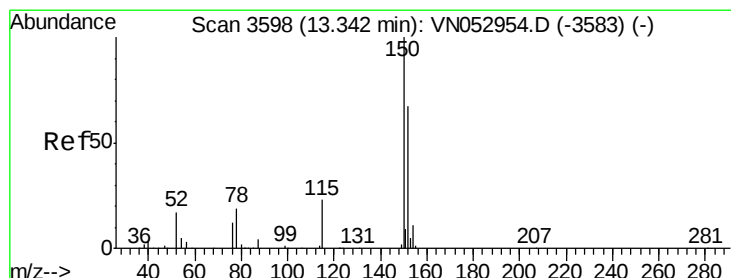
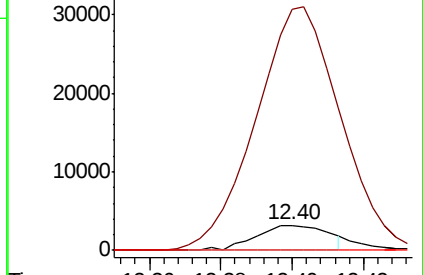
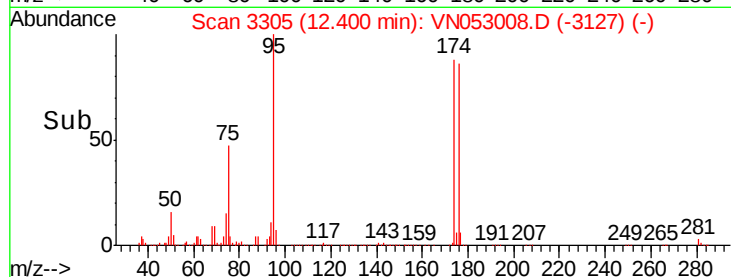
254 0.0 0.1 0.1#



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: VN053008.D

Acq: 19 Dec 2018 13:56

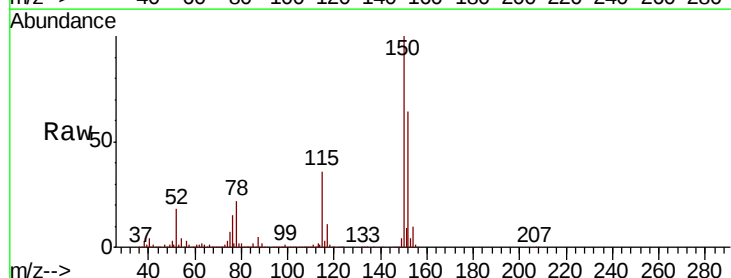
Tgt Ion:152 Resp: 701820

Ion Ratio Lower Upper

152 100

115 55.8 28.3 85.0

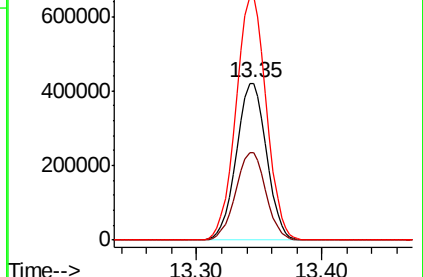
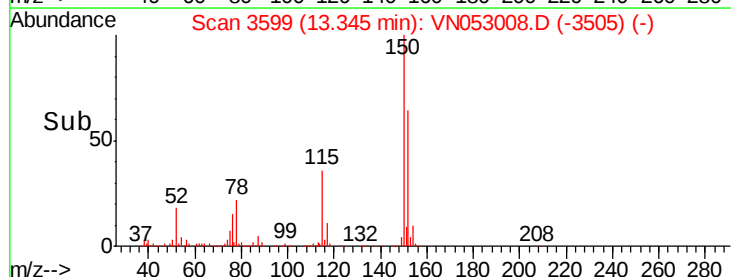
150 156.3 0.0 347.8

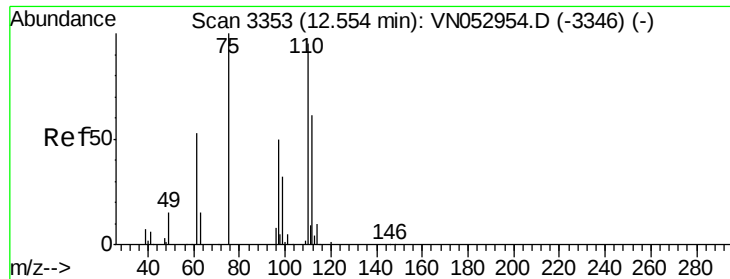


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 31.718 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053008.D

Acq: 19 Dec 2018 13:56

Instrument :

MSVOA_N

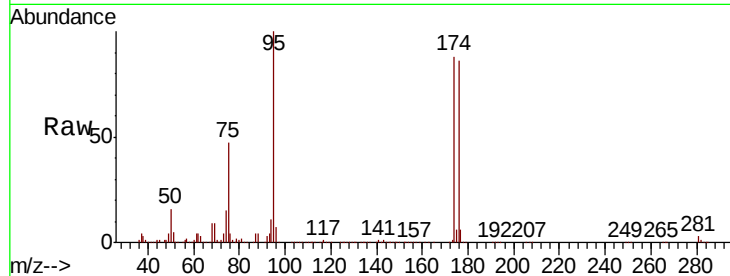
ClientSampleId :

Tot Ion: 75 Resp: 374731

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

250000

200000

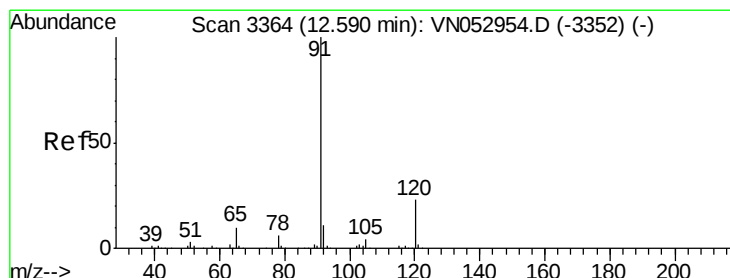
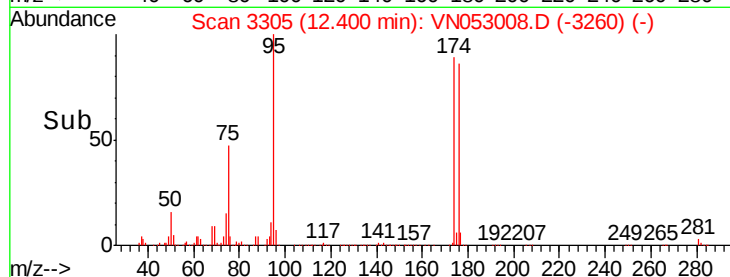
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 0.254 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053008.D

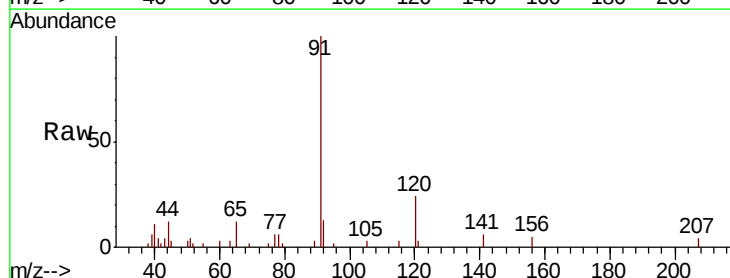
Acq: 19 Dec 2018 13:56

Tgt Ion: 91 Resp: 15890

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

10000

8000

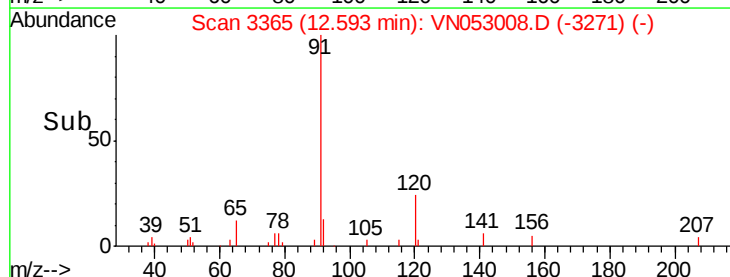
6000

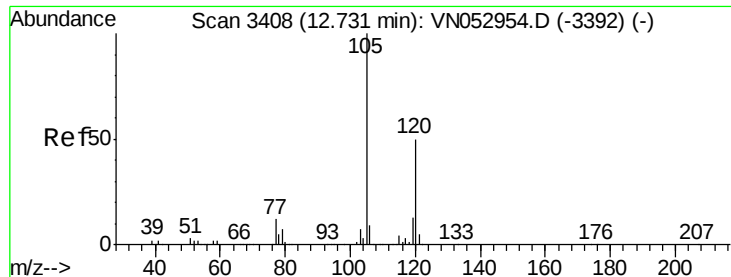
4000

2000

0

Time--> 12.50 12.55 12.60 12.65

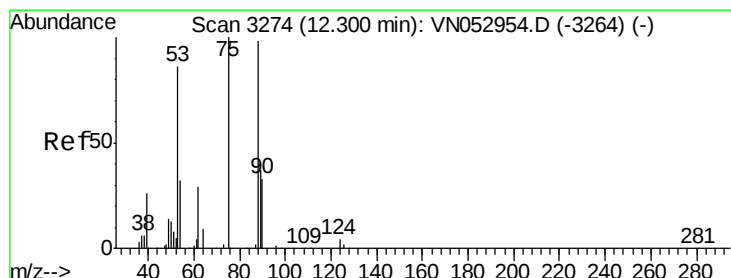
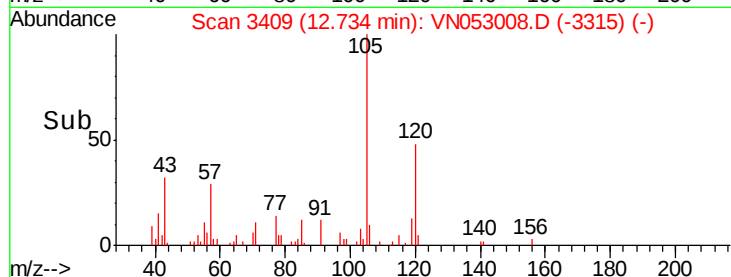
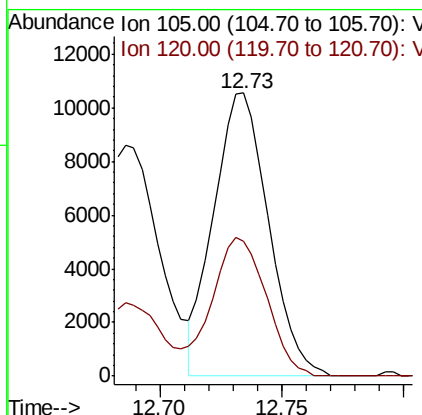
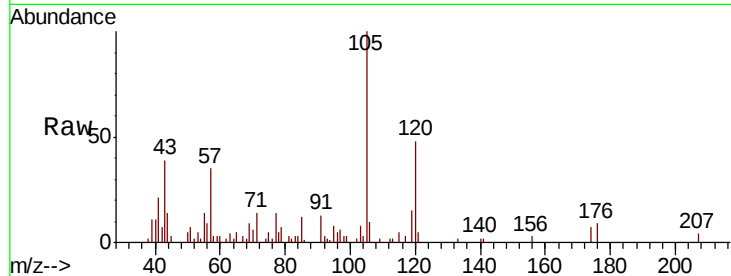




#80
 1,3,5-Trimethylbenzene
 Concen: 0.369 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053008.D
 Acq: 19 Dec 2018 13:56

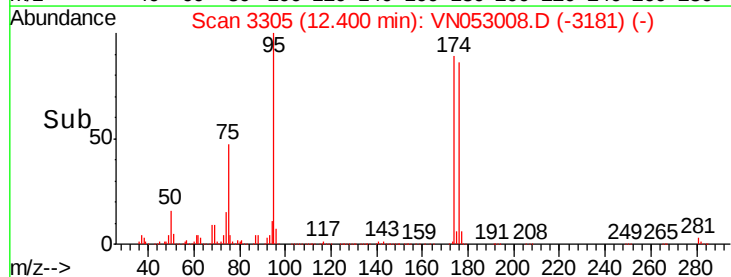
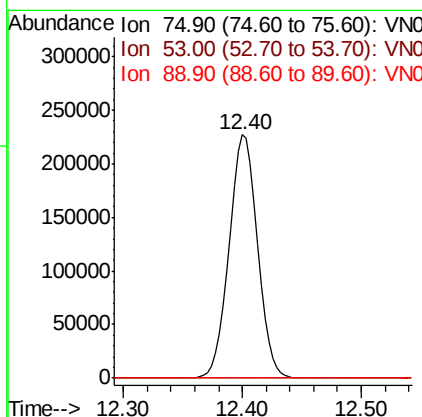
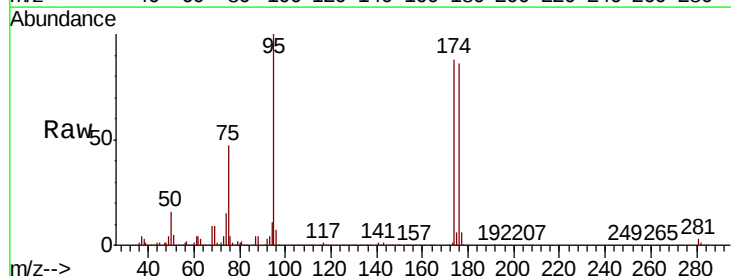
Instrument :
 MSVOA_N
 ClientSampled :

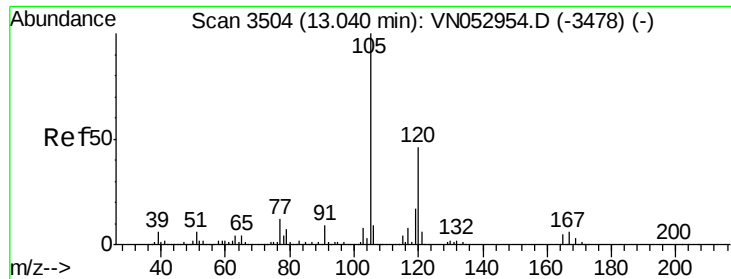
Tot Ion:105 Resp: 16526
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.231 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053008.D
 Acq: 19 Dec 2018 13:56

Tgt Ion: 75 Resp: 374731
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.0 36.1 54.1#

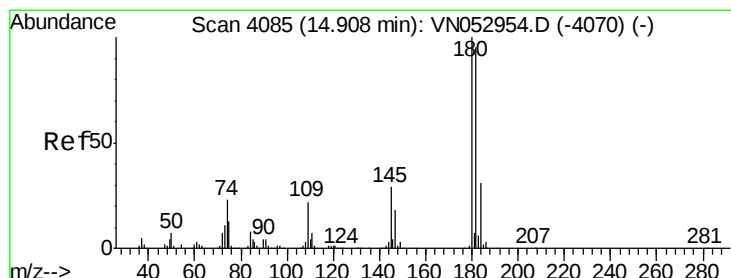
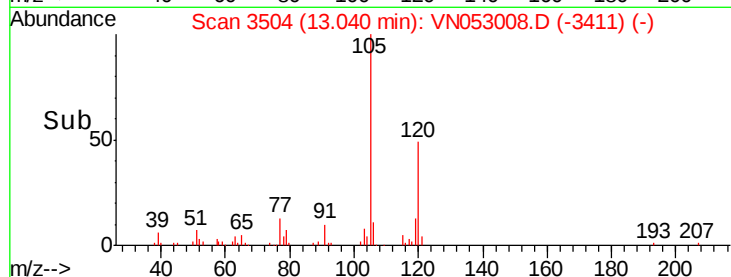
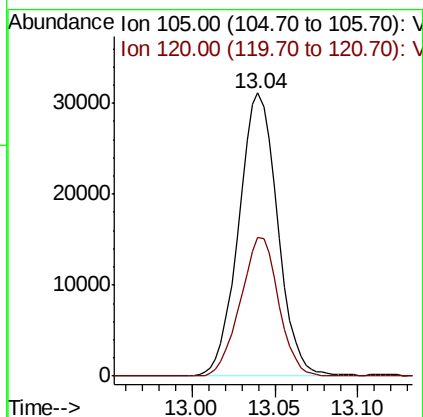
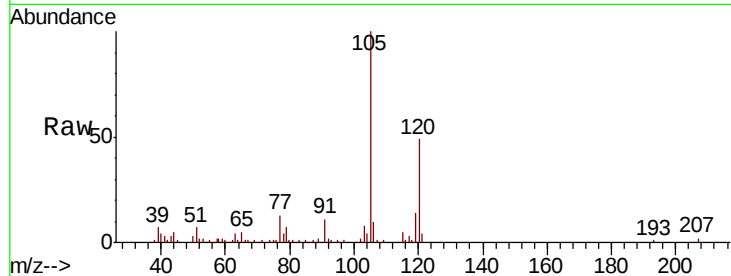




#84
 1,2,4-Trimethylbenzene
 Concen: 1.128 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053008.D
 Acq: 19 Dec 2018 13:56

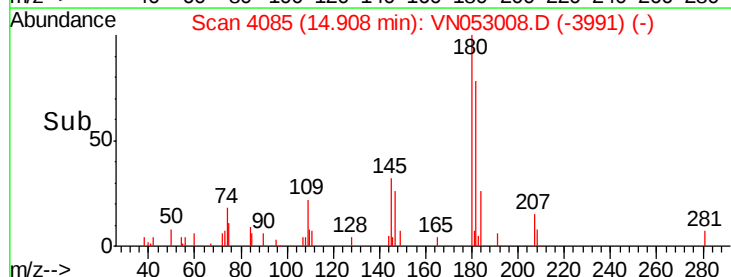
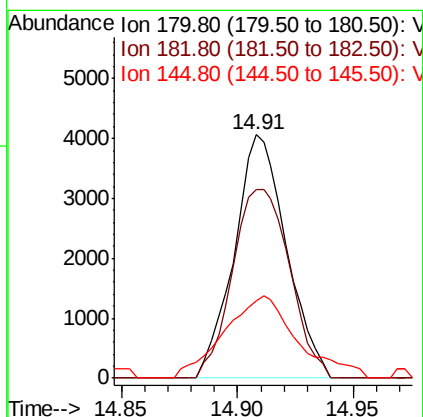
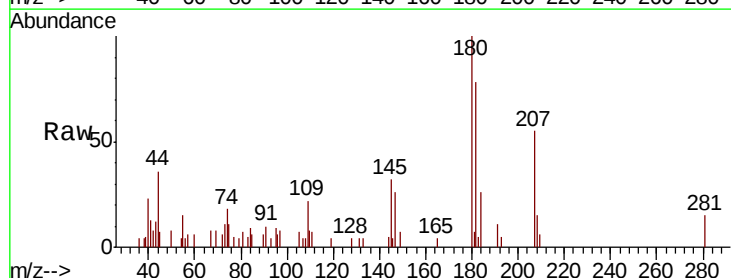
Instrument :
 MSVOA_N
 ClientSampled :

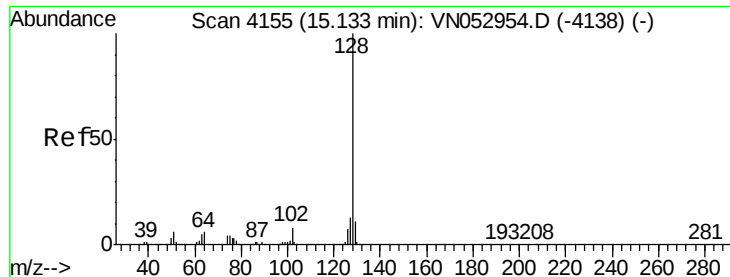
Tot Ion:105 Resp: 50741
 Ion Ratio Lower Upper
 105 100
 120 47.8 22.9 68.8



#93
 1,2,4-Trichlorobenzene
 Concen: 1.094 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053008.D
 Acq: 19 Dec 2018 13:56

Tgt Ion:180 Resp: 6352
 Ion Ratio Lower Upper
 180 100
 182 84.9 47.8 143.3
 145 47.6 14.2 42.6#





#95

Naphthalene

Concen: 1.724 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053008.D

Acq: 19 Dec 2018 13:56

Instrument :

MSVOA_N

ClientSampleId :

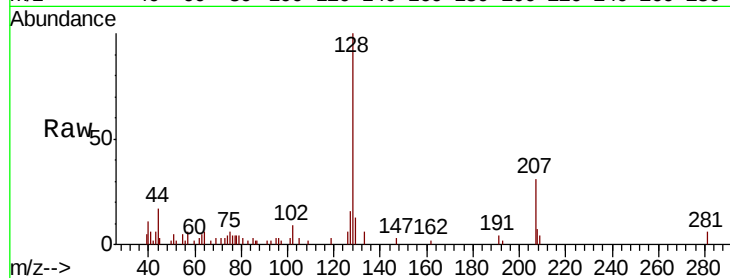
Tot Ion:128 Resp: 16318

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.4

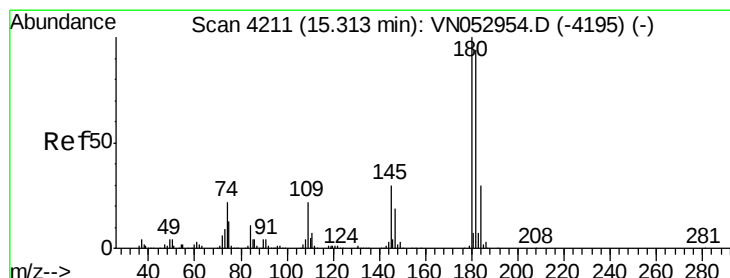
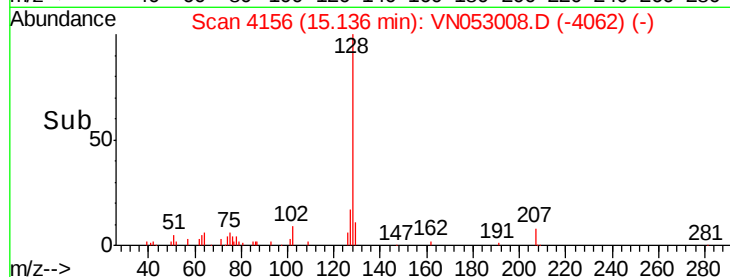
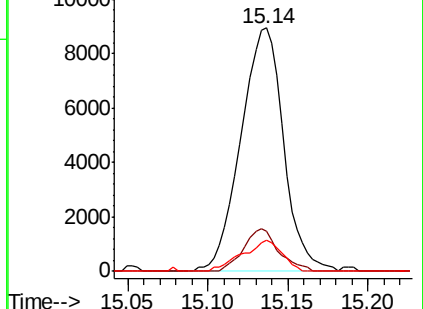
129 11.8 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 0.691 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN053008.D

Acq: 19 Dec 2018 13:56

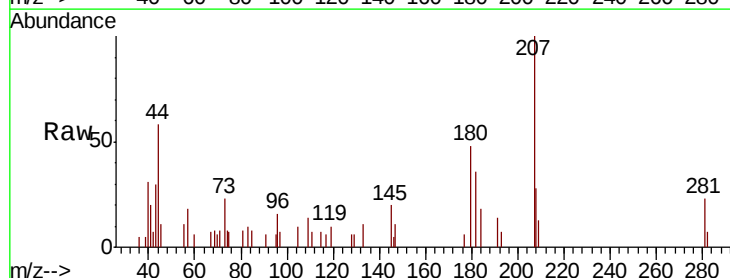
Tgt Ion:180 Resp: 2098

Ion Ratio Lower Upper

180 100

182 102.3 47.9 143.7

145 52.0 15.0 45.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

