

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
 Data File : VN053998.D
 Acq On : 28 Feb 2019 12:33
 Operator : JC/SP
 Sample : K1645-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 01 03:54:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	587180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1086646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1066363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	401295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	391715	56.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.82%	
35) Dibromofluoromethane	7.59	113	360114	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	10.09	98	1391766	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
62) 4-Bromofluorobenzene	12.40	95	459164	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	

Target Compounds

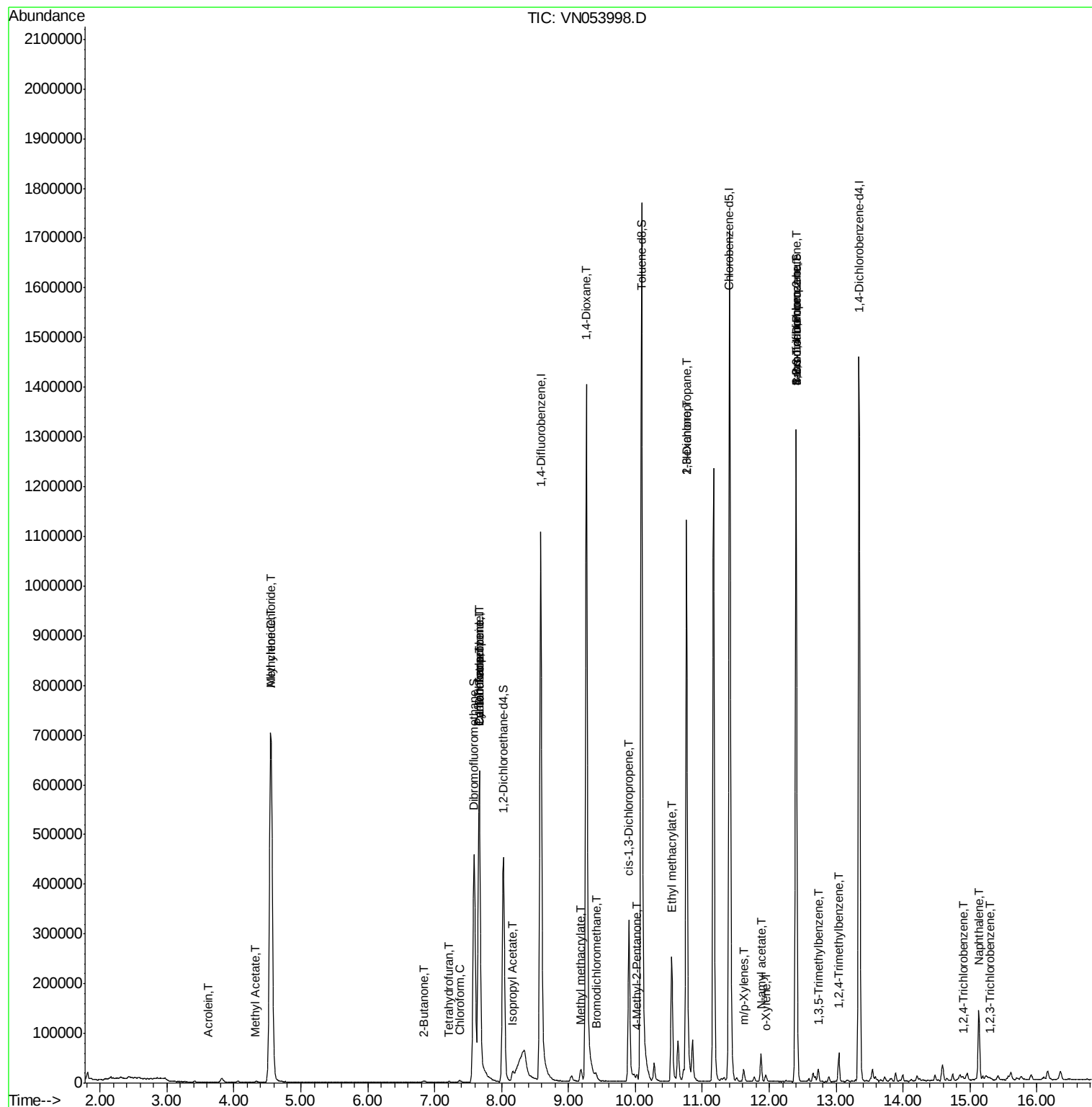
					Qvalue	
13) Acrolein	3.62	56	104	0.230	ug/l #	14
14) Allyl chloride	4.55	41	22215	2.185	ug/l #	27
16) Acetone	3.82	43	14003	Below Cal		96
18) Methyl Acetate	4.32	43	2047	0.425	ug/l #	67
20) Methylene Chloride	4.55	84	534449	78.453	ug/l	91
25) 2-Butanone	6.84	43	1444	0.534	ug/l #	87
29) Tetrahydrofuran	7.21	42	1068	0.593	ug/l #	49
30) Chloroform	7.37	83	4945	0.424	ug/l	85
31) Cyclohexane	7.66	56	10441	0.543	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	42548	4.210	ug/l #	47
38) Carbon Tetrachloride	7.67	117	50060	4.763	ug/l #	17
43) Isopropyl Acetate	8.17	43	29838	2.449	ug/l #	92
47) Bromodichloromethane	9.41	83	2172	0.212	ug/l #	82
48) Methyl methacrylate	9.17	41	10588	1.889	ug/l #	12
49) 1,4-Dioxane	9.27	88	121	1.594	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	7991	1.276	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	60337	5.133	ug/l #	72
56) Ethyl methacrylate	10.54	69	1334	2.098	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	11722	1.016	ug/l #	43
59) 2-Hexanone	10.76	43	178670	43.881	ug/l #	48
68) m/p-Xylenes	11.62	106	7430	0.522	ug/l	93
69) o-Xylene	11.95	106	3490	0.249	ug/l	93
71) Bromoform	12.40	173	3786	0.671	ug/l #	1
74) N-ethyl acetate	11.88	43	17479	2.135	ug/l #	49
76) 1,2,3-Trichloropropane	12.40	75	224708	34.906	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	12793	0.500	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	224708	110.325	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	32529	1.274	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	1314	2.393	ug/l #	49
95) Naphthalene	15.13	128	122439	10.423	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	806	1.668	ug/l #	54

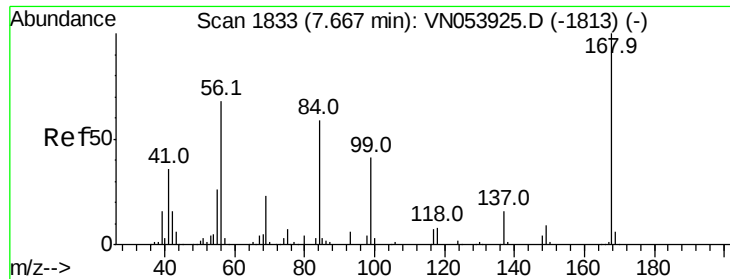
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053998.D

Acq: 28 Feb 2019 12:33

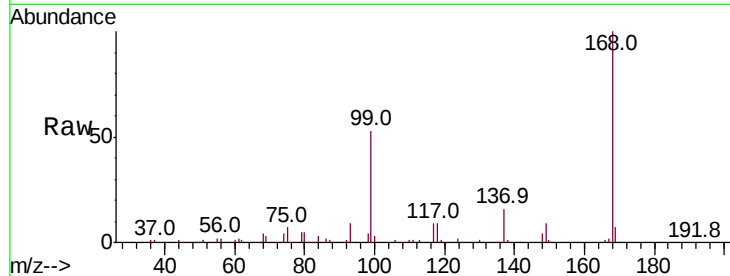
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 587180

Ion Ratio Lower Upper

168 100

99 52.6 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): VN053998.D

Ion 98.90 (98.60 to 99.60): VN053998.D

7.67

250000

200000

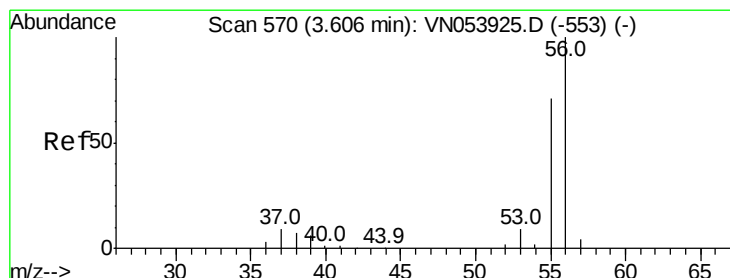
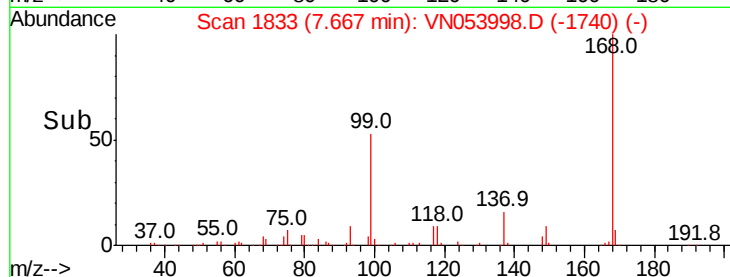
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#13

Acrolein

Concen: 0.230 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN053998.D

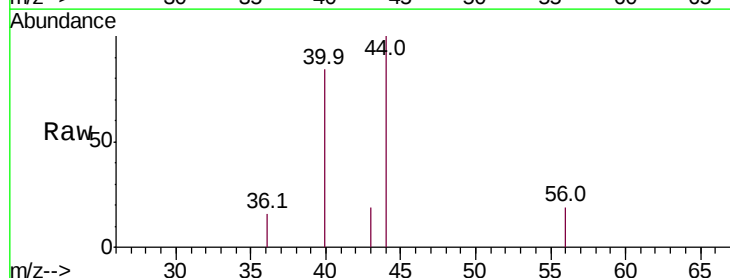
Acq: 28 Feb 2019 12:33

Tgt Ion: 56 Resp: 104

Ion Ratio Lower Upper

56 100

55 0.0 56.3 84.5#



Abundance Ion 56.00 (55.70 to 56.70): VN053998.D

Ion 55.00 (54.70 to 55.70): VN053998.D

3.62

200

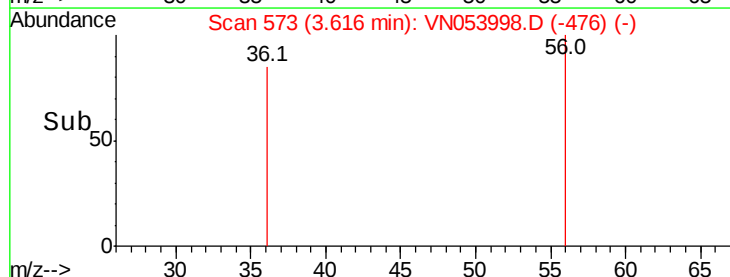
150

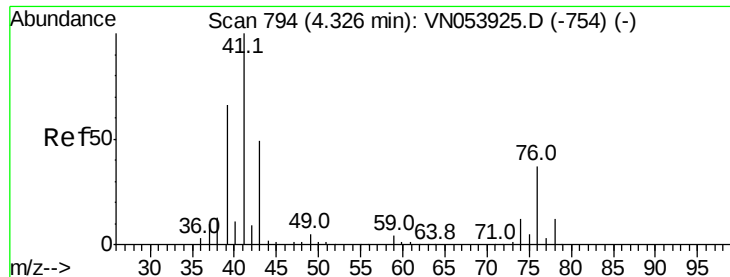
100

50

0

Time--> 3.60 3.61 3.62 3.63





#14

Allvl chloride

Concen: 2.185 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.23 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

Instrument :

MSVOA_N

ClientSampled :

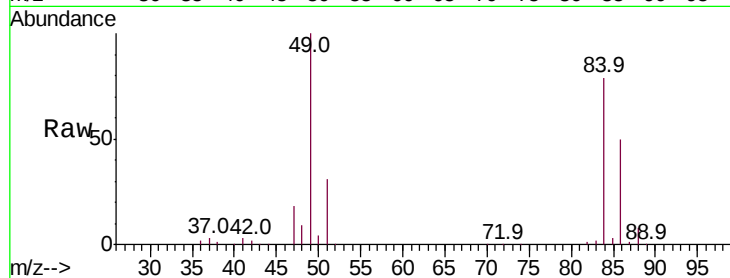
Tot Ion: 41 Resp: 22215

Ion Ratio Lower Upper

41 100

39 0.4 48.8 73.2#

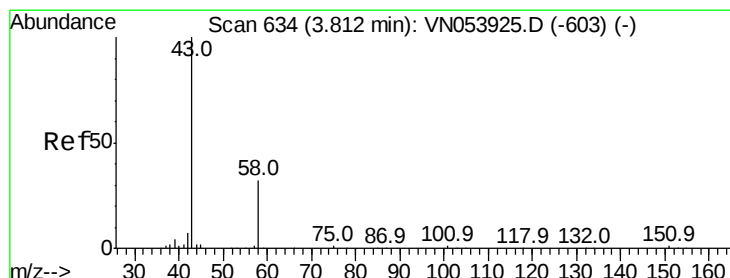
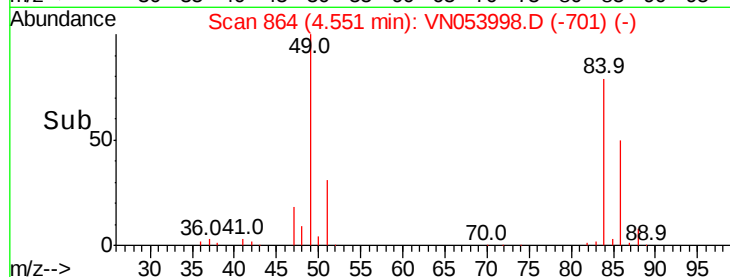
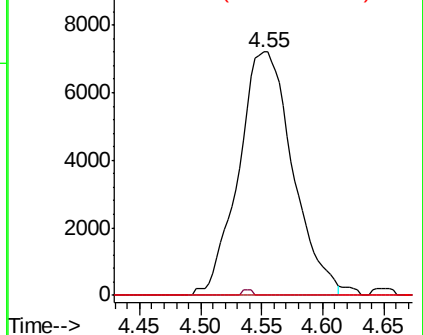
76 0.0 30.9 46.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053998.D

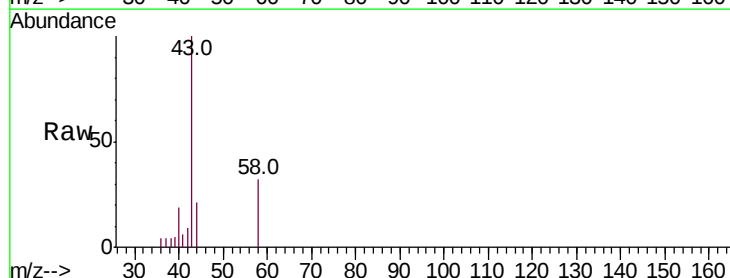
Acq: 28 Feb 2019 12:33

Tgt Ion: 43 Resp: 14003

Ion Ratio Lower Upper

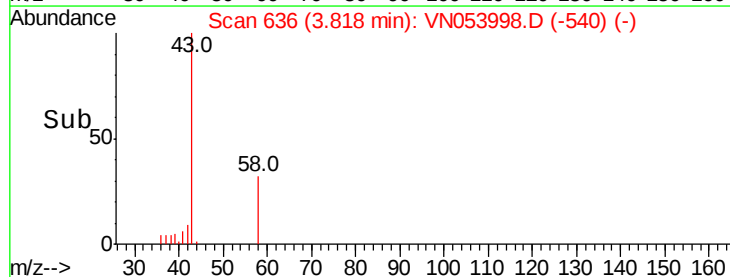
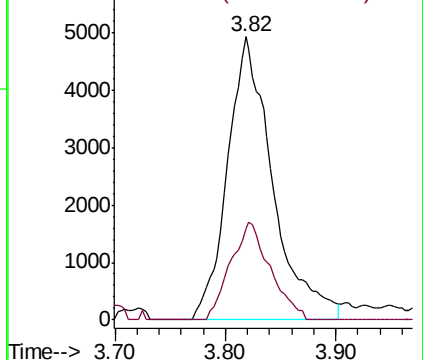
43 100

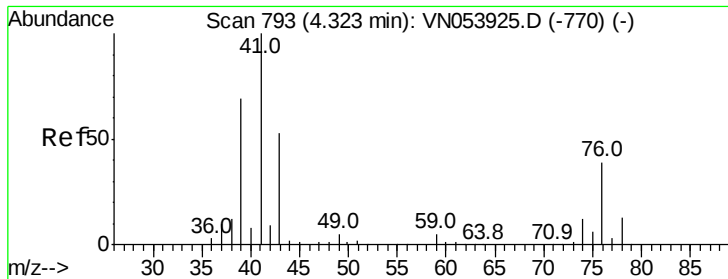
58 32.2 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

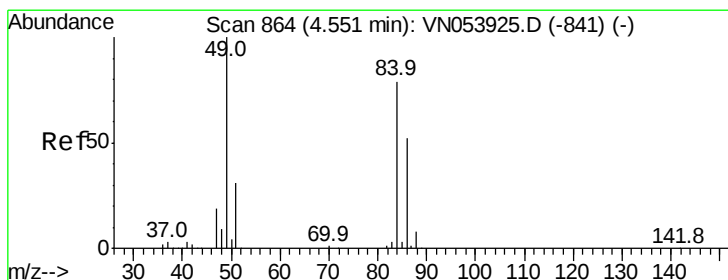
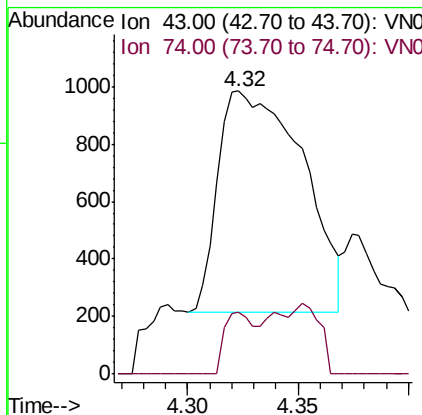
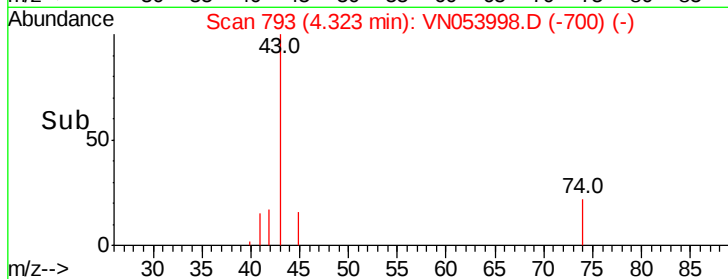
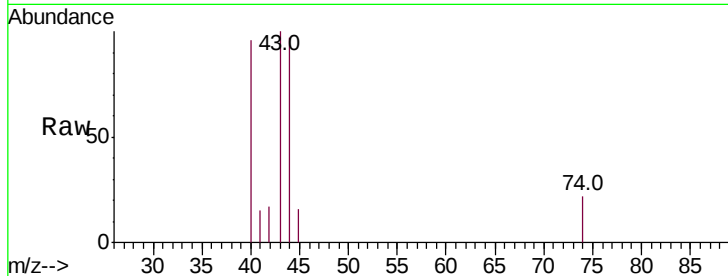




#18
Methyl Acetate
Concen: 0.425 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053998.D
Acq: 28 Feb 2019 12:33

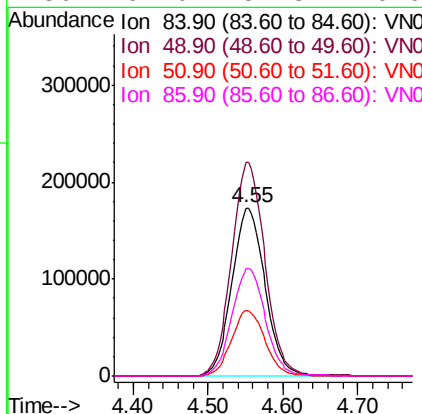
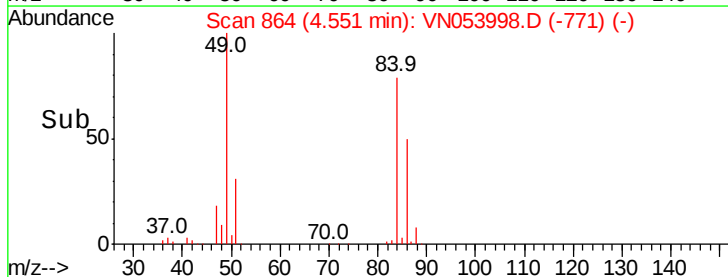
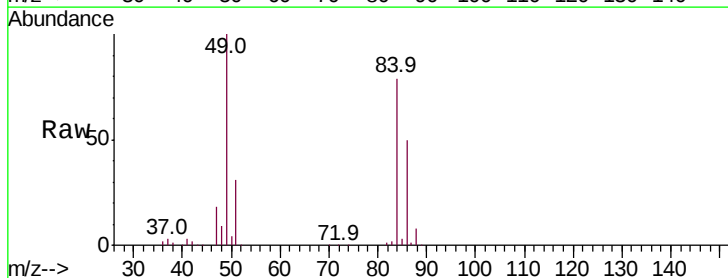
Instrument :
MSVOA_N
ClientSampled :

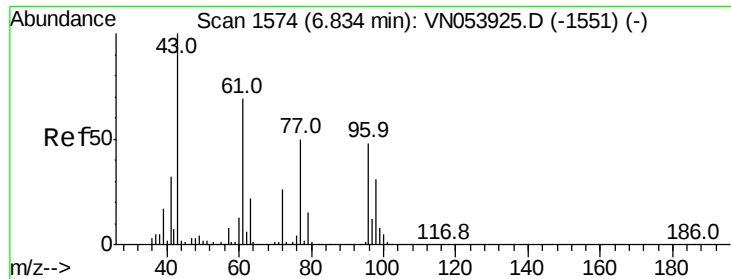
Tot Ion: 43 Resp: 2047
Ion Ratio Lower Upper
43 100
74 8.9 20.5 30.7#



#20
Methylene Chloride
Concen: 78.453 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053998.D
Acq: 28 Feb 2019 12:33

Tgt Ion: 84 Resp: 534449
Ion Ratio Lower Upper
84 100
49 127.3 89.7 134.5
51 39.2 27.8 41.8
86 64.0 51.3 76.9





#25

2-Butanone

Concen: 0.534 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

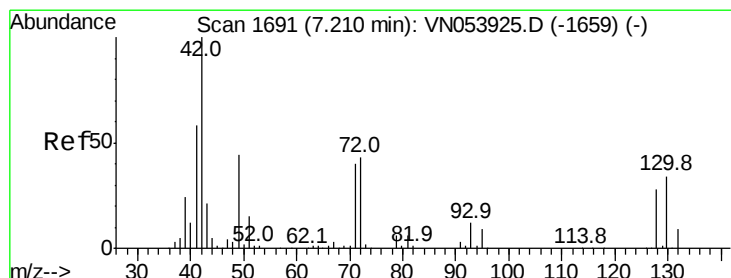
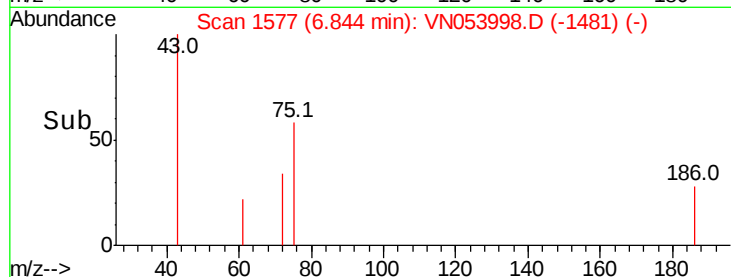
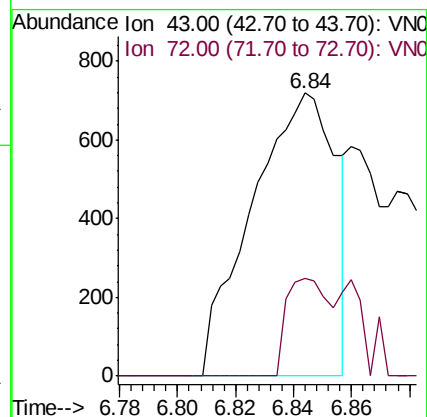
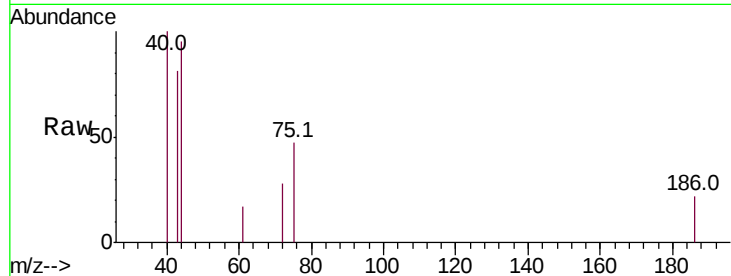
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1444

Ion Ratio Lower Upper

43 100

72 34.5 22.1 33.1#



#29

Tetrahydrofuran

Concen: 0.593 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

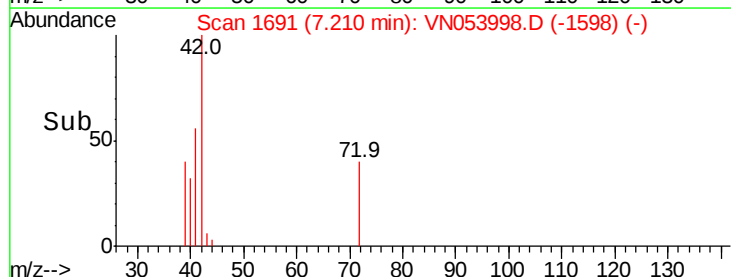
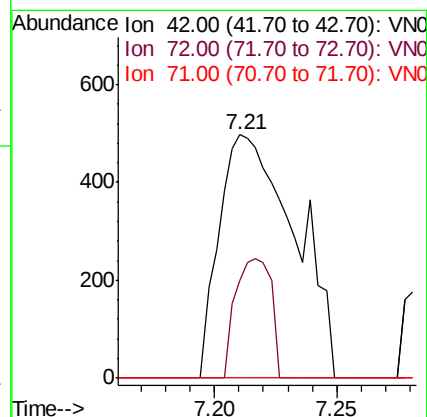
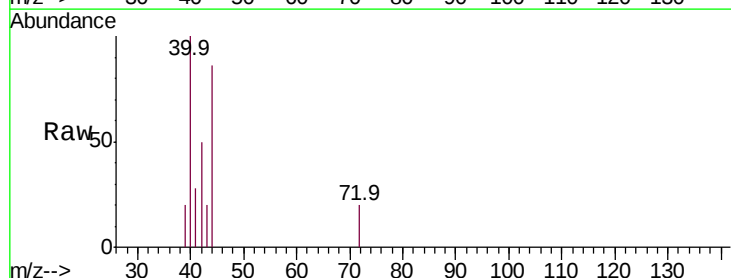
Tgt Ion: 42 Resp: 1068

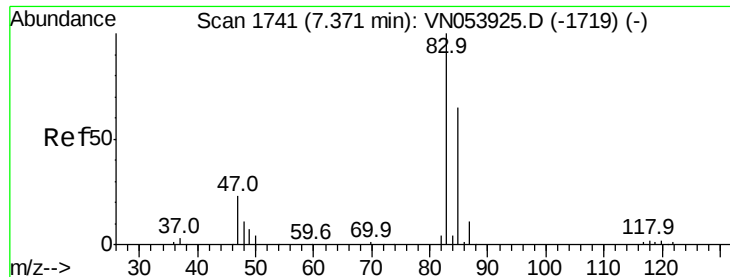
Ion Ratio Lower Upper

42 100

72 22.9 36.9 55.3#

71 0.0 34.6 52.0#





#30

Chloroform

Concen: 0.424 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

Instrument :

MSVOA_N

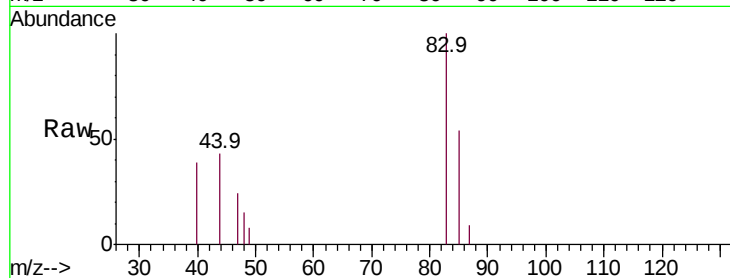
ClientSampled :

Tot Ion: 83 Resp: 4945

Ion Ratio Lower Upper

83 100

85 54.0 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

7.37

2000

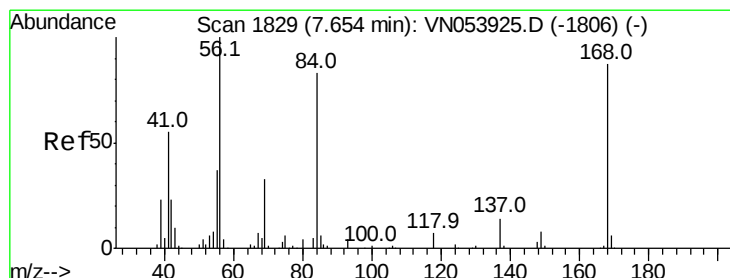
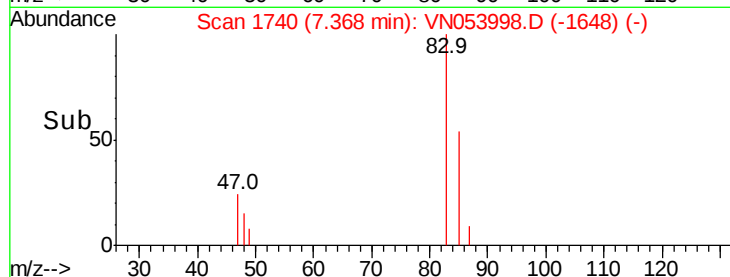
1500

1000

500

0

Time-->



#31

Cyclohexane

Concen: 0.543 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

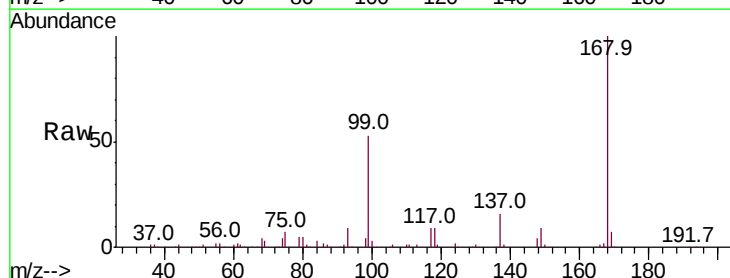
Tgt Ion: 56 Resp: 10441

Ion Ratio Lower Upper

56 100

69 162.3 26.0 39.0#

84 142.5 69.1 103.7#



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

10000

8000

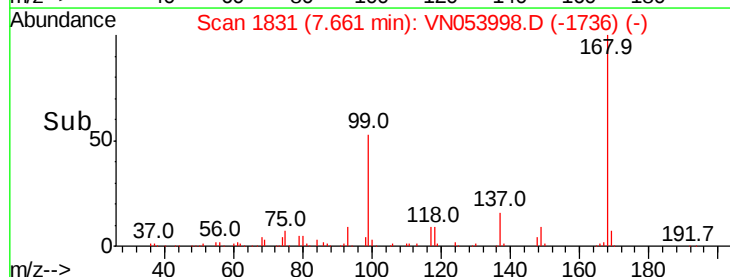
6000

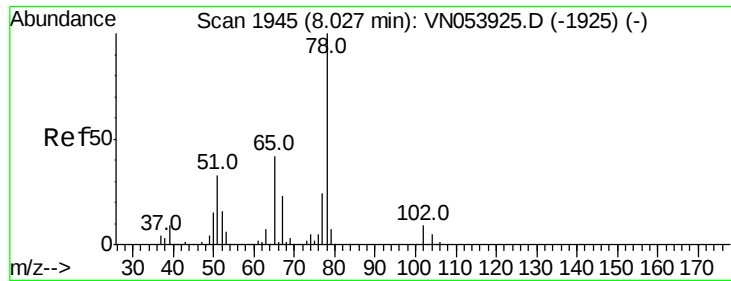
4000

2000

0

Time-->

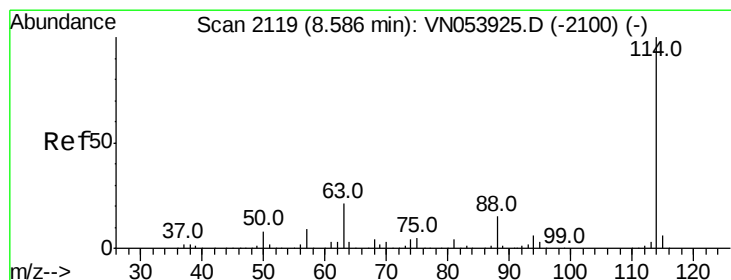
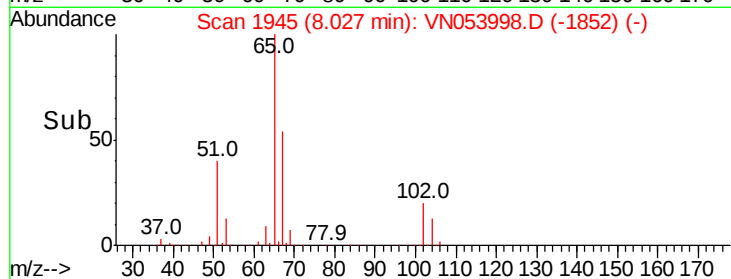
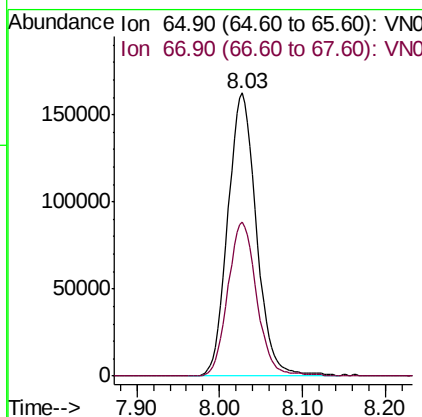
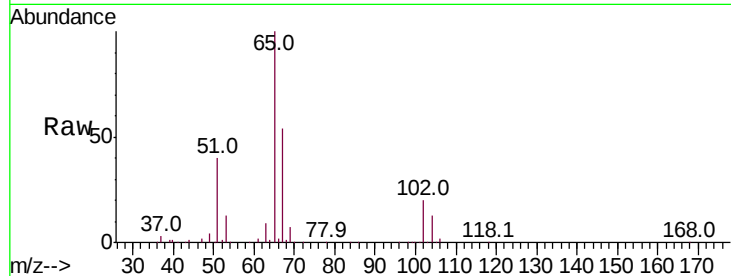




#33
 1,2-Dichloroethane-d4
 Concen: 56.910 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053998.D
 Acq: 28 Feb 2019 12:33

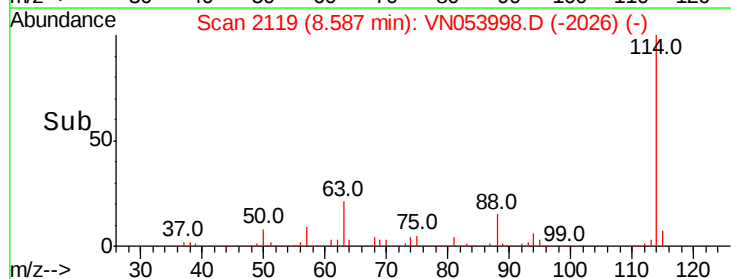
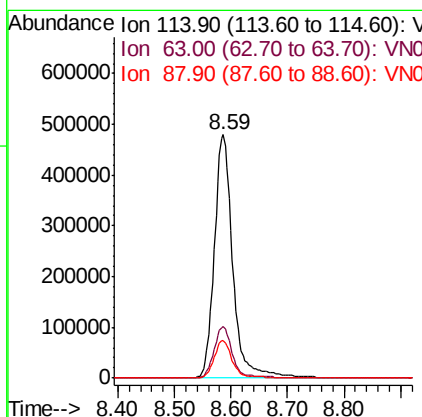
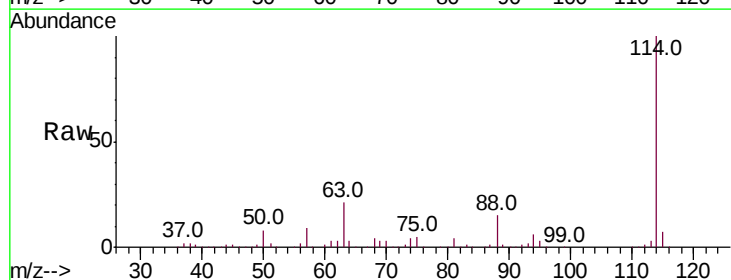
Instrument :
 MSVOA_N
 ClientSampleId :

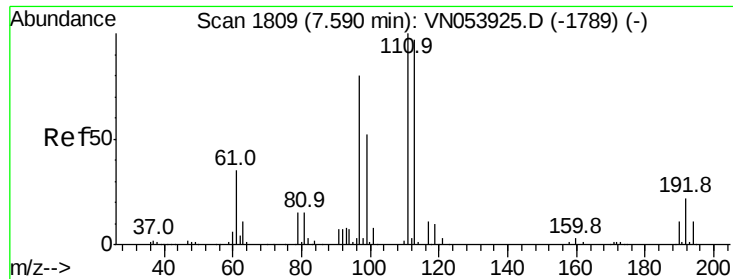
Tot Ion: 65 Resp: 391715
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053998.D
 Acq: 28 Feb 2019 12:33

Tgt Ion: 114 Resp: 1086646
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 37.4
 88 15.5 0.0 30.4

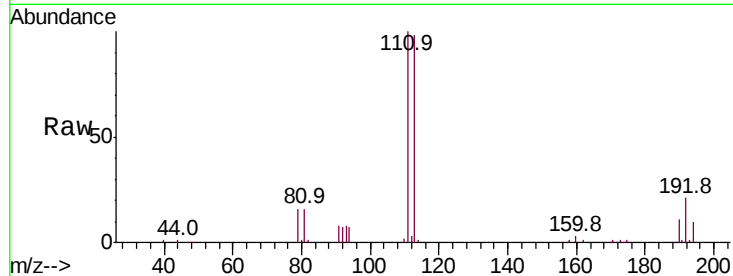




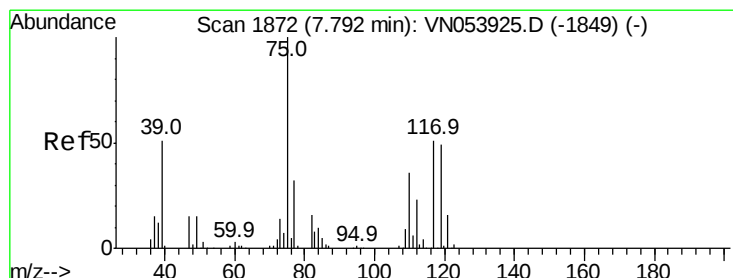
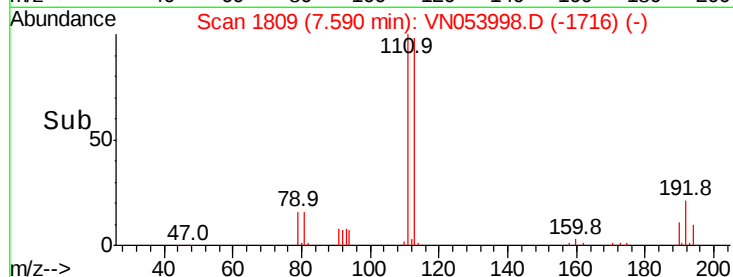
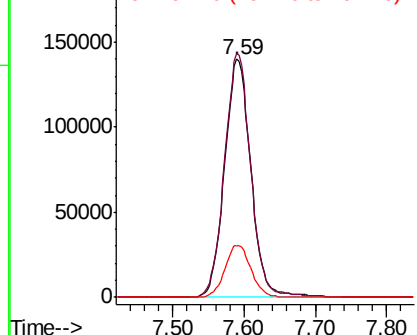
#35
Dibromofluoromethane
Concen: 51.248 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053998.D
Acq: 28 Feb 2019 12:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:113 Resp: 360114
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 21.6 18.8 28.2

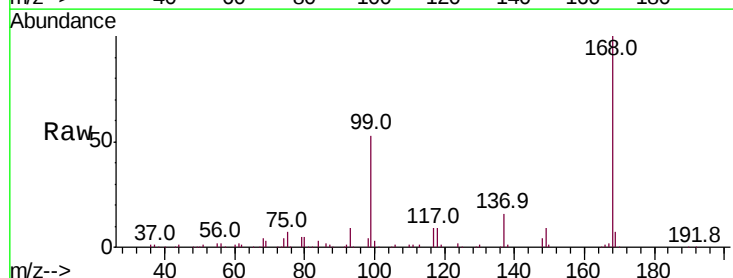


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

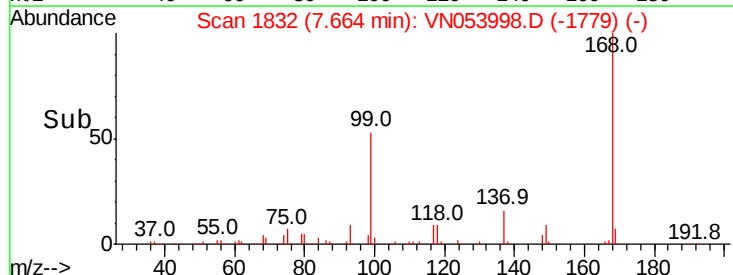
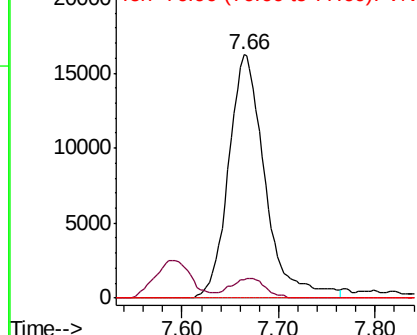


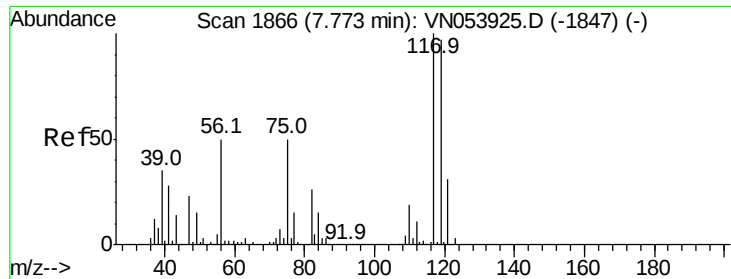
#36
1,1-Dichloropropene
Concen: 4.210 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN053998.D
Acq: 28 Feb 2019 12:33

Tgt Ion: 75 Resp: 42548
Ion Ratio Lower Upper
75 100
110 7.7 19.0 57.0#
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

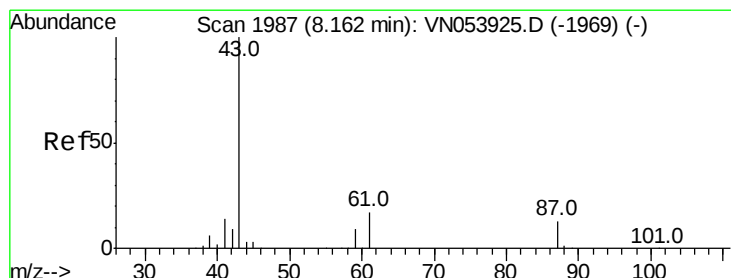
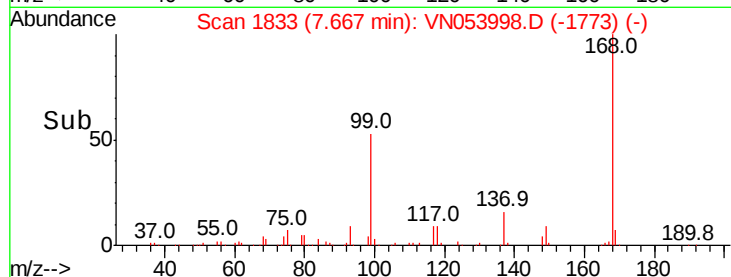
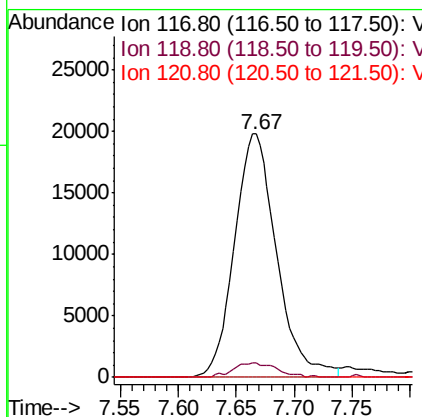
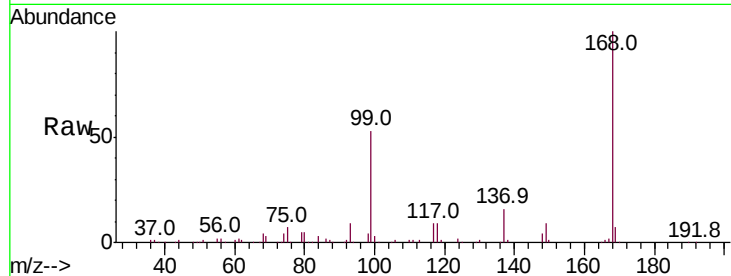




#38
Carbon Tetrachloride
Concen: 4.763 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053998.D
Acq: 28 Feb 2019 12:33

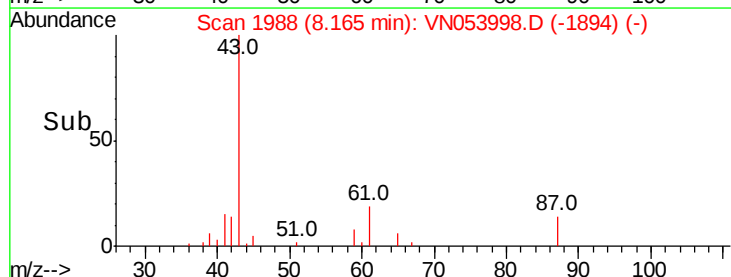
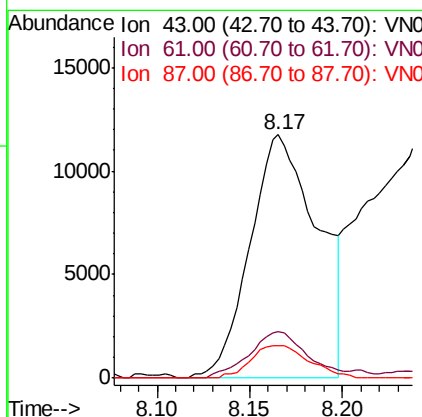
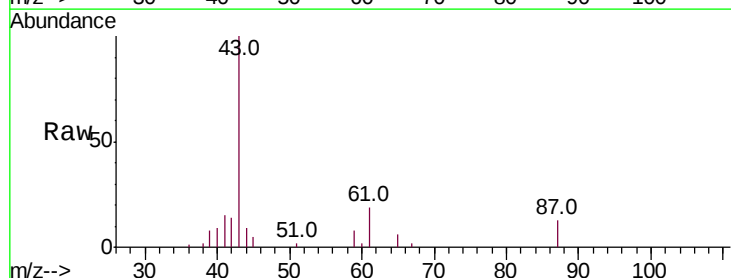
Instrument :
MSVOA_N
ClientSampled :

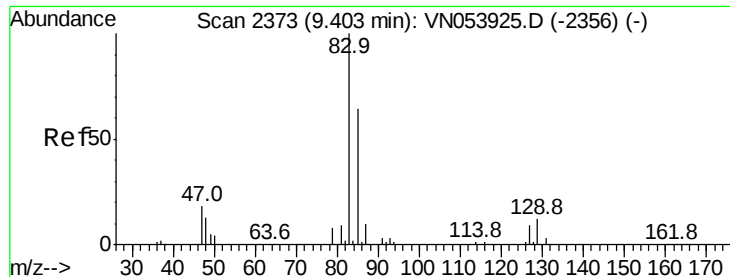
Tot Ion:117 Resp: 50060
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 2.449 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053998.D
Acq: 28 Feb 2019 12:33

Tgt Ion: 43 Resp: 29838
Ion Ratio Lower Upper
43 100
61 17.4 17.4 26.0
87 11.5 11.5 17.3#





#47

Bromodichloromethane

Concen: 0.212 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

Instrument :

MSVOA_N

ClientSampled :

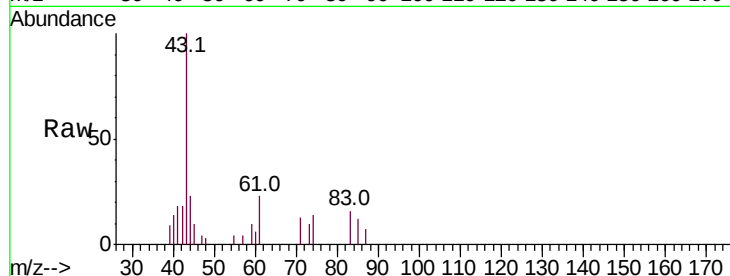
Tot Ion: 83 Resp: 2172

Ion Ratio Lower Upper

83 100

85 78.2 51.8 77.6#

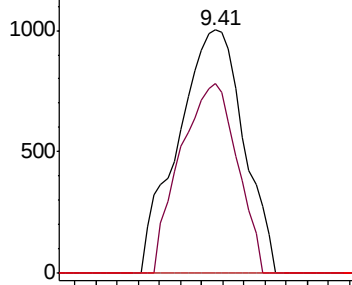
127 0.0 7.4 11.0#



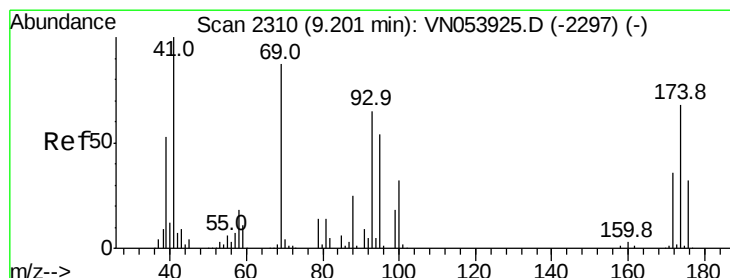
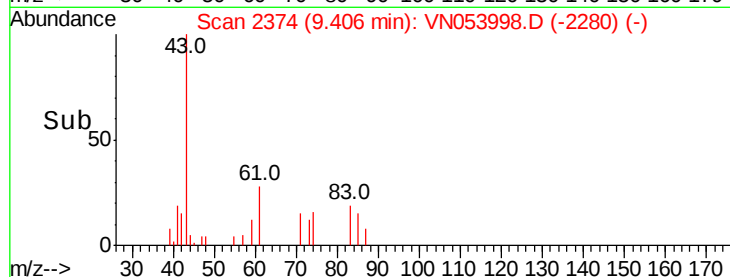
Abundance Ion 82.90 (82.60 to 83.60): VN053925.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN053925.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN053925.D (-2356) (-)



Time-->



#48

Methyl methacrylate

Concen: 1.889 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.03 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

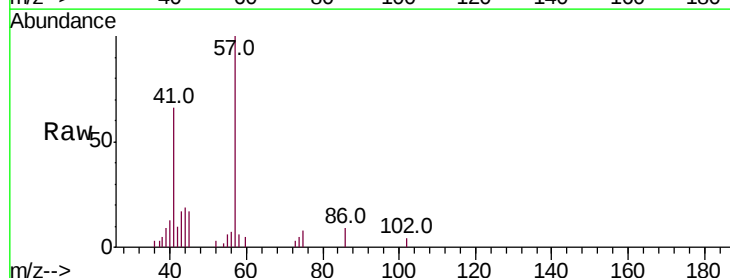
Tgt Ion: 41 Resp: 10588

Ion Ratio Lower Upper

41 100

69 0.0 74.8 112.2#

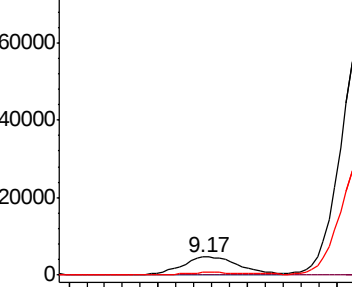
39 0.0 39.0 58.6#



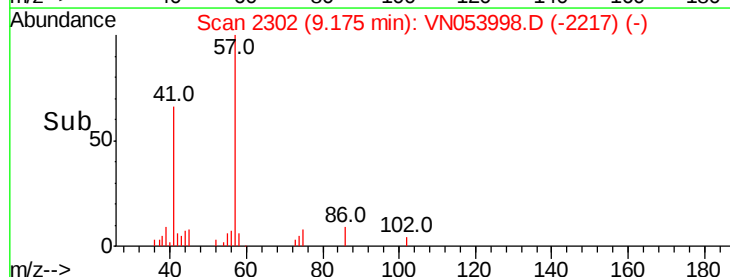
Abundance Ion 41.00 (40.70 to 41.70): VN053925.D (-2297) (-)

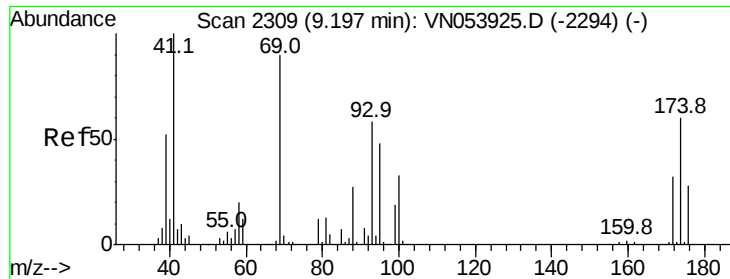
Ion 69.00 (68.70 to 69.70): VN053925.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN053925.D (-2297) (-)



Time-->





#49

1,4-Dioxane

Concen: 1.594 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

Instrument :
MSVOA_N
ClientSampled :

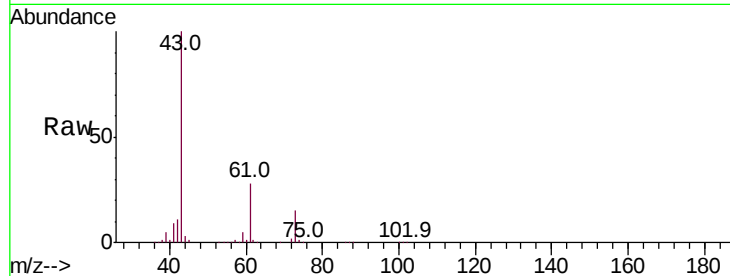
Tot Ion: 88 Resp: 121

Ion Ratio Lower Upper

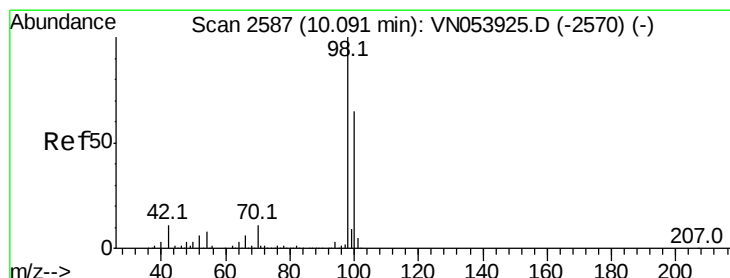
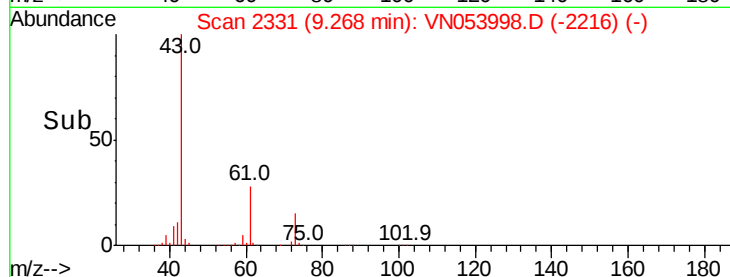
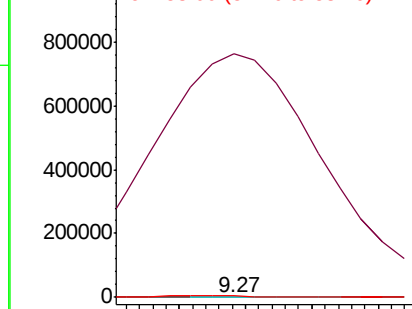
88 100

43 1299184.3 21.2 31.8#

58 6890.1 54.2 81.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 53.206 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053998.D

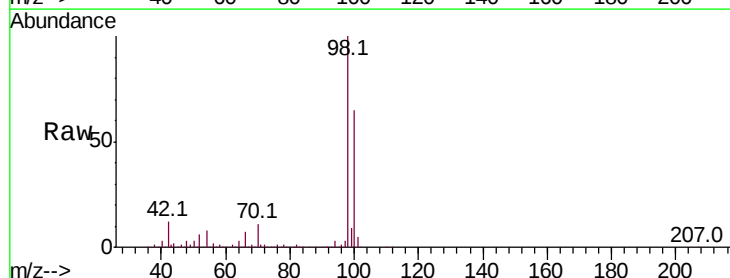
Acq: 28 Feb 2019 12:33

Tgt Ion: 98 Resp: 1391766

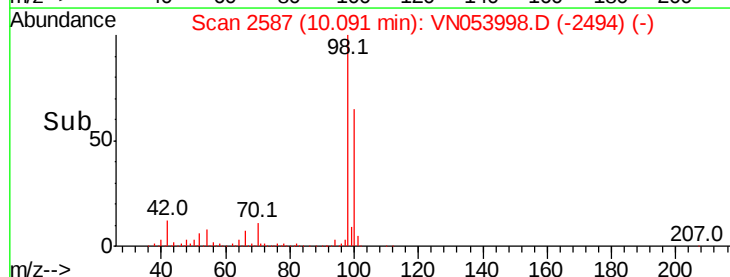
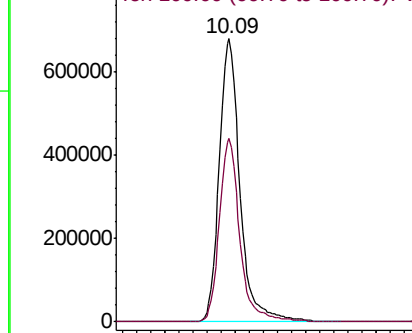
Ion Ratio Lower Upper

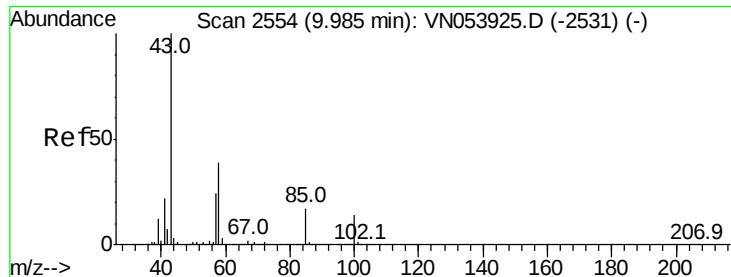
98 100

100 64.2 51.9 77.9



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

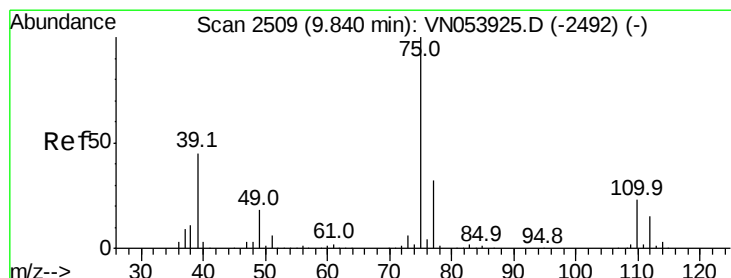
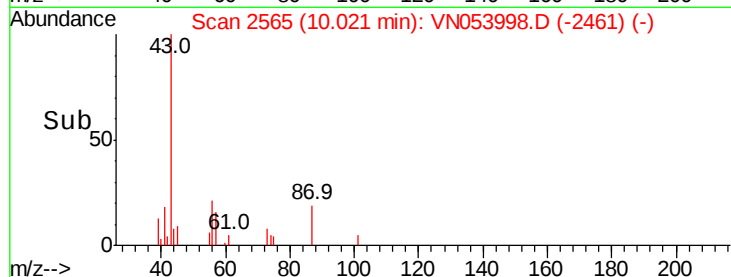
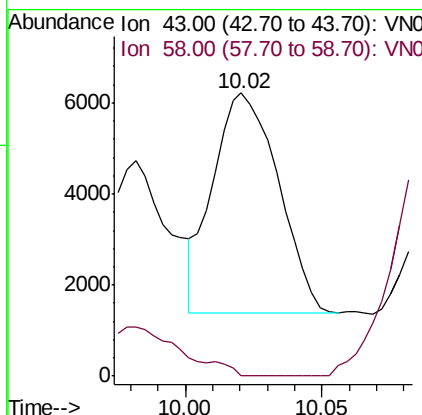
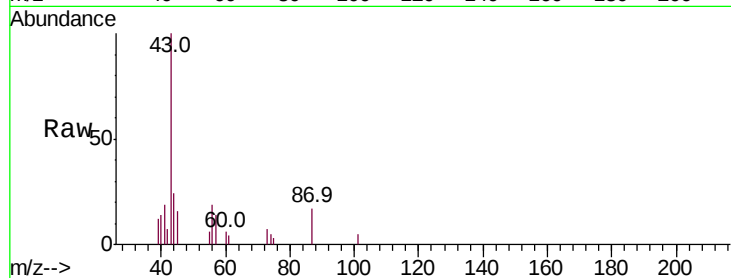




#51
 4-Methyl-2-Pentanone
 Concen: 1.276 ug/l
 RT: 10.02 min Scan# 2565
 Delta R.T. 0.04 min
 Lab File: VN053998.D
 Acq: 28 Feb 2019 12:33

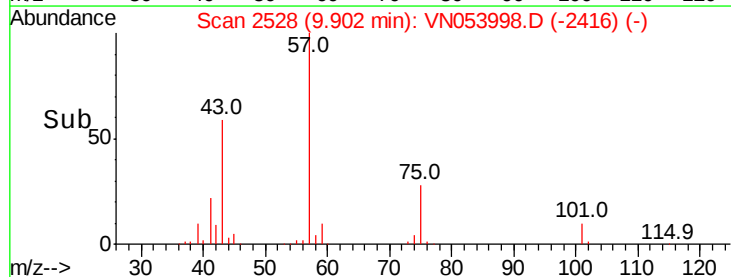
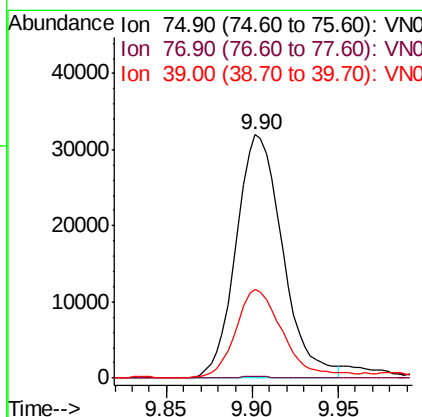
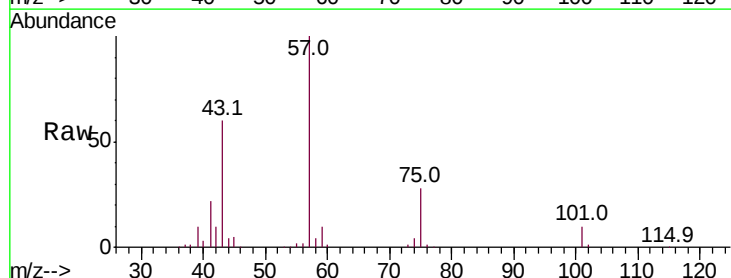
Instrument :
 MSVOA_N
 ClientSampleId :

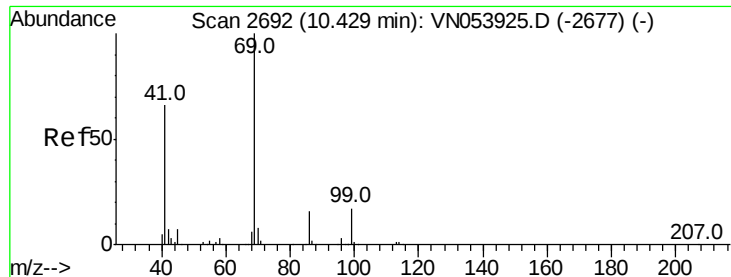
Tot Ion: 43 Resp: 7991
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.7 49.1#



#54
 cis-1,3-Dichloropropene
 Concen: 5.133 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.06 min
 Lab File: VN053998.D
 Acq: 28 Feb 2019 12:33

Tgt Ion: 75 Resp: 60337
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.8 38.6#
 39 36.3 31.4 47.0





#56

Ethyl methacrylate

Concen: 2.098 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

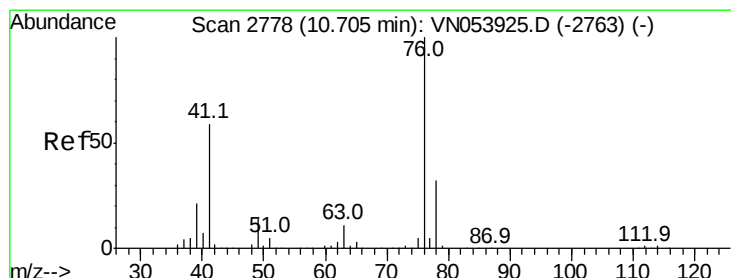
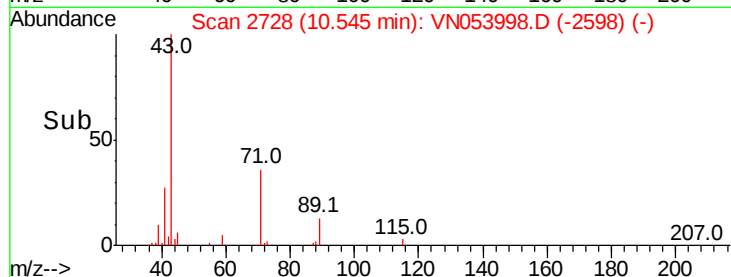
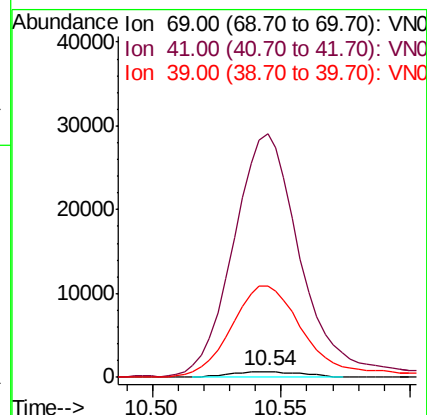
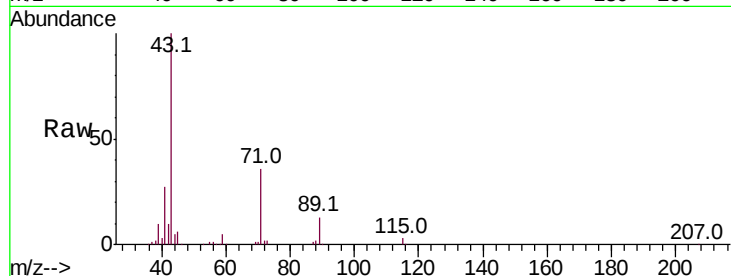
Tot Ion: 69 Resp: 1334

Ion Ratio Lower Upper

69 100

41 3990.6 47.5 71.3#

39 1634.4 23.4 35.0#



#57

1,3-Dichloropropane

Concen: 1.016 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN053998.D

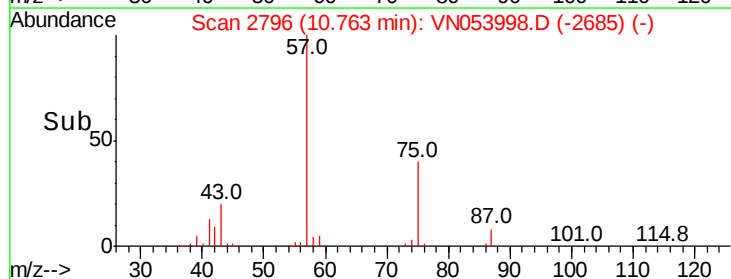
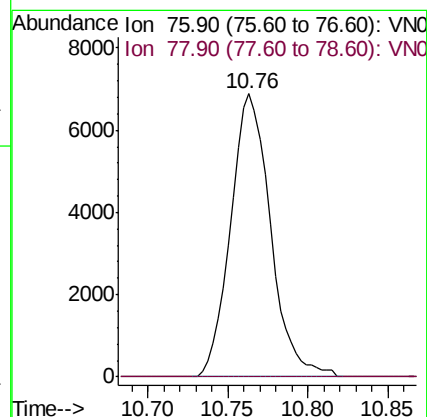
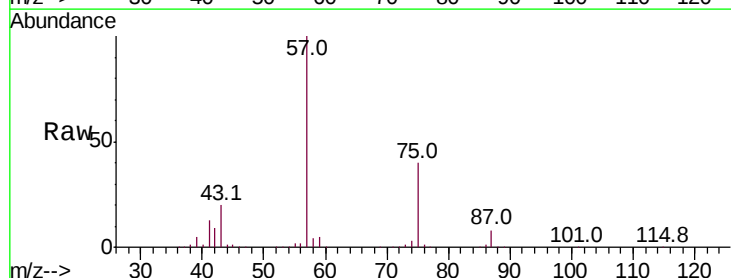
Acq: 28 Feb 2019 12:33

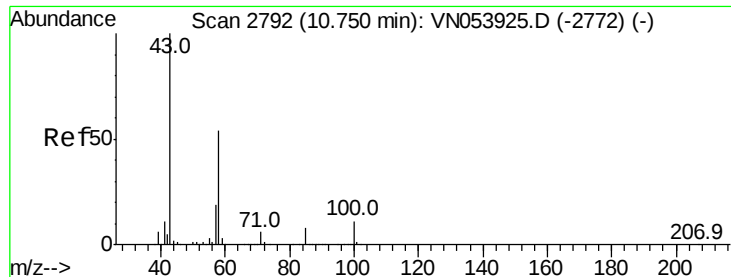
Tgt Ion: 76 Resp: 11722

Ion Ratio Lower Upper

76 100

78 0.0 25.2 37.8#





#59

2-Hexanone

Concen: 43.881 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

Instrument :

MSVOA_N

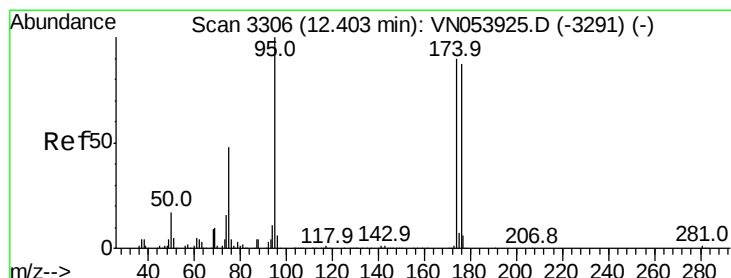
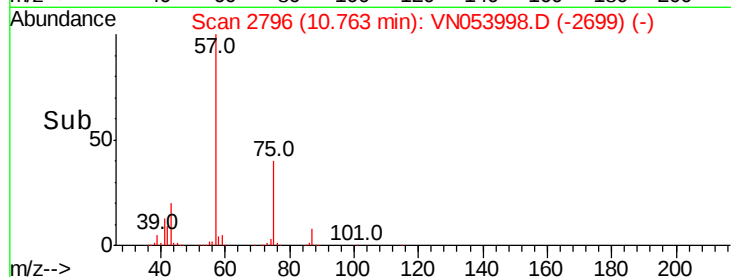
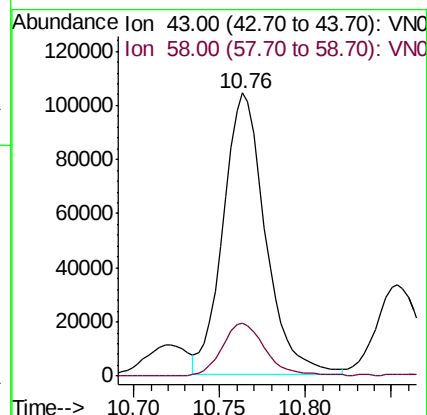
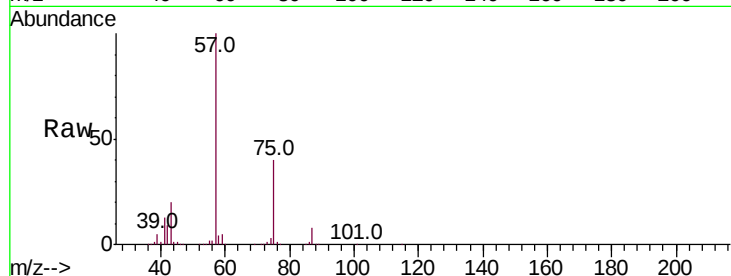
ClientSampleId :

Tot Ion: 43 Resp: 178670

Ion Ratio Lower Upper

43 100

58 19.5 29.1 87.4#



#62

4-Bromofluorobenzene

Concen: 52.686 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

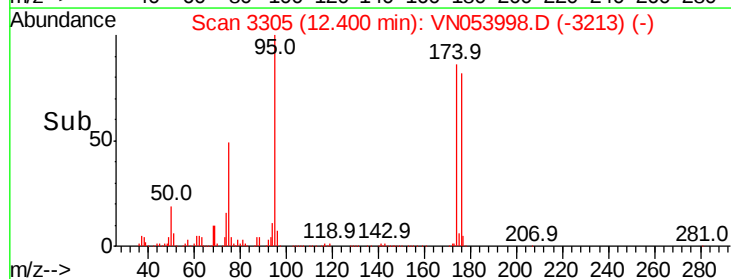
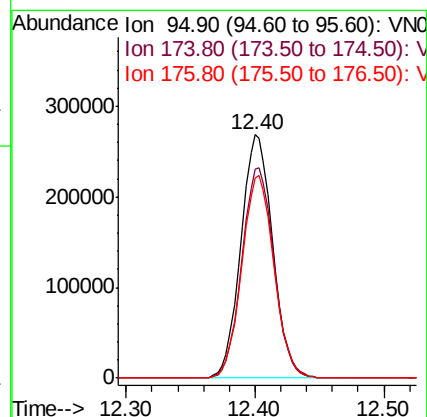
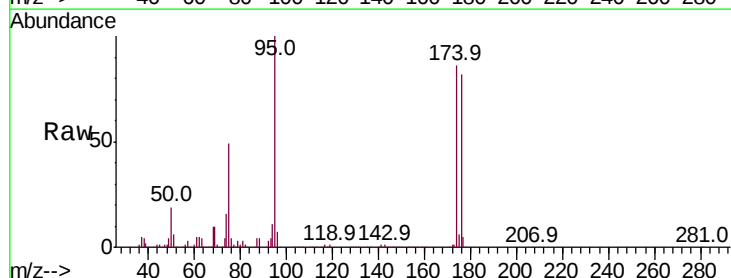
Tgt Ion: 95 Resp: 459164

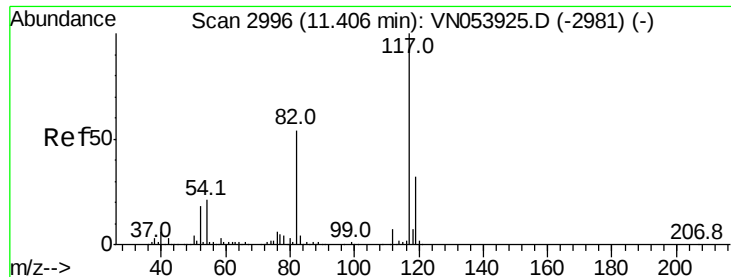
Ion Ratio Lower Upper

95 100

174 87.7 0.0 188.8

176 84.2 0.0 182.6

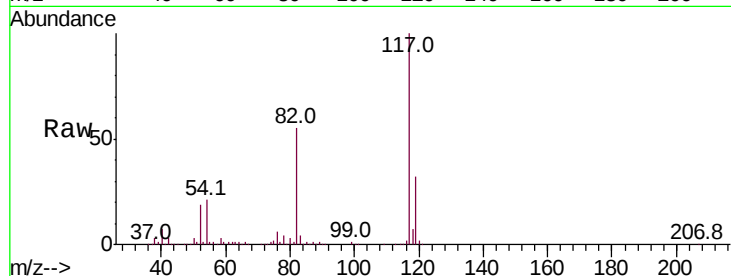




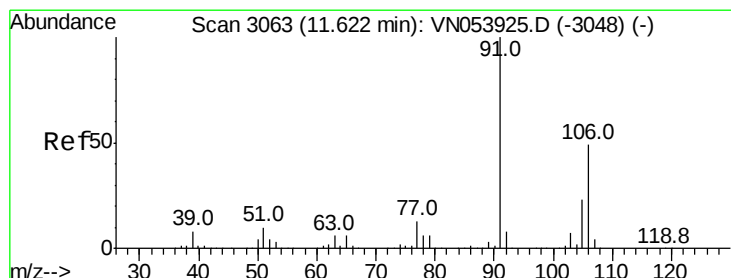
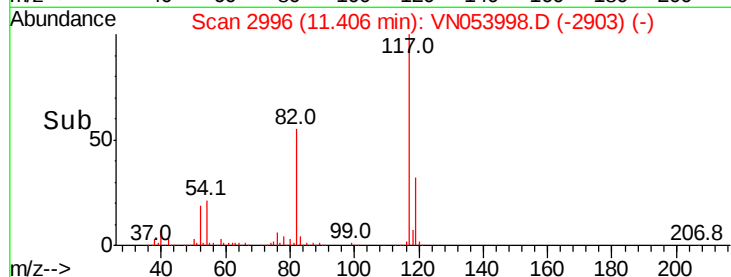
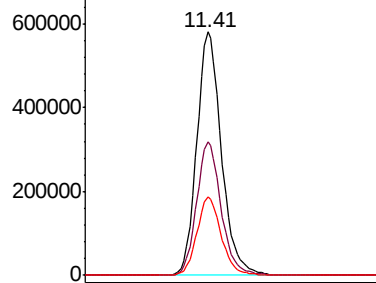
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053998.D
Acq: 28 Feb 2019 12:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1066363
Ion Ratio Lower Upper
117 100
82 54.8 41.4 62.2
119 32.1 25.3 37.9

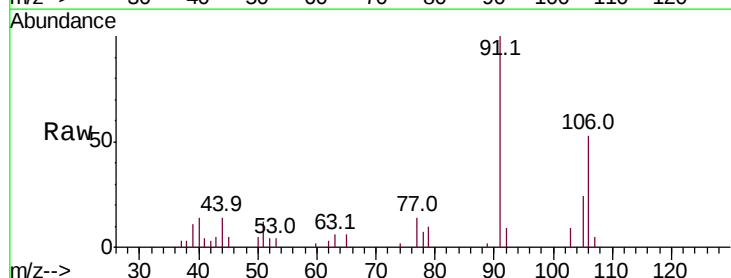


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

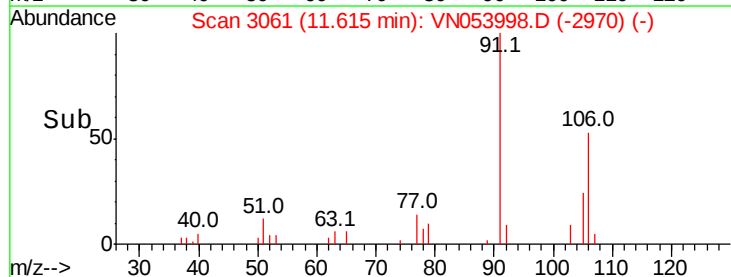
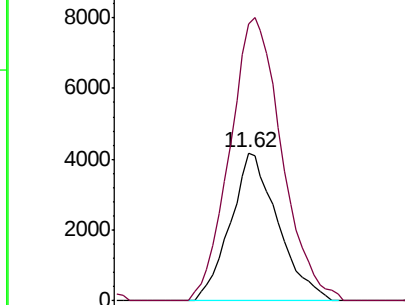


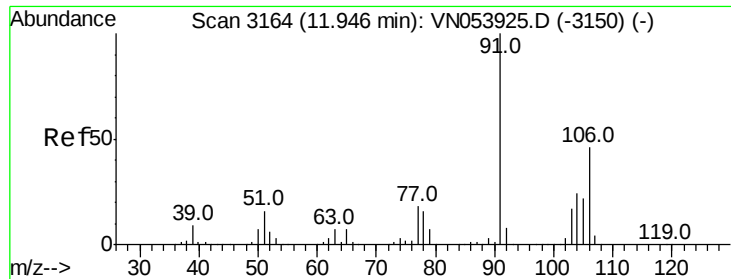
#68
m/p-Xylenes
Concen: 0.522 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN053998.D
Acq: 28 Feb 2019 12:33

Tgt Ion:106 Resp: 7430
Ion Ratio Lower Upper
106 100
91 209.1 158.9 238.3



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

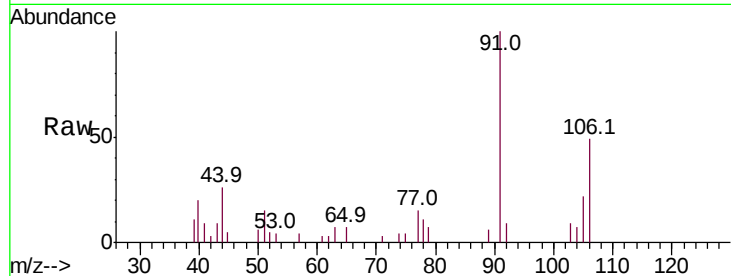




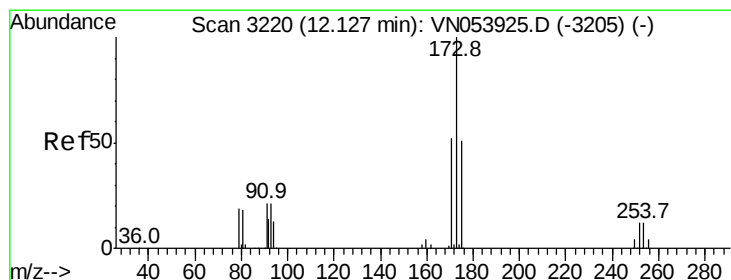
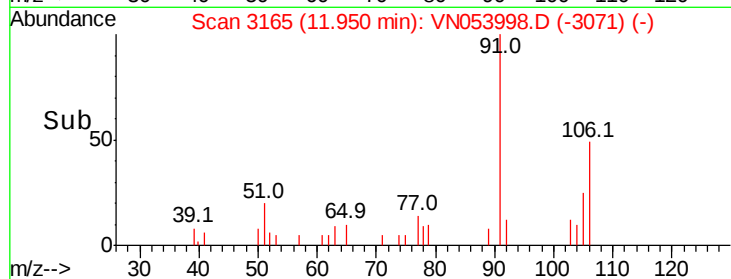
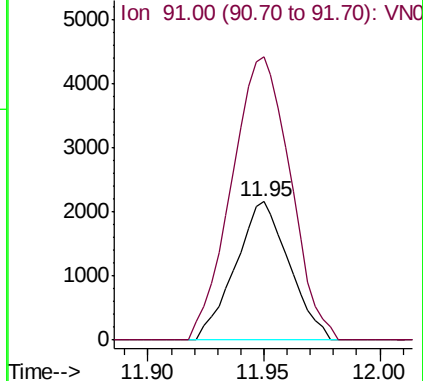
#69
o-Xylene
Concen: 0.249 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053998.D
Acq: 28 Feb 2019 12:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 3490
Ion Ratio Lower Upper
106 100
91 223.0 106.0 318.0

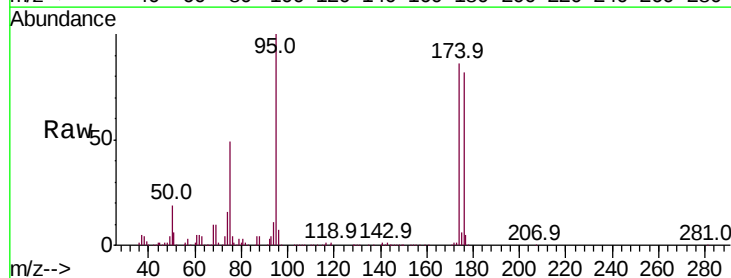


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

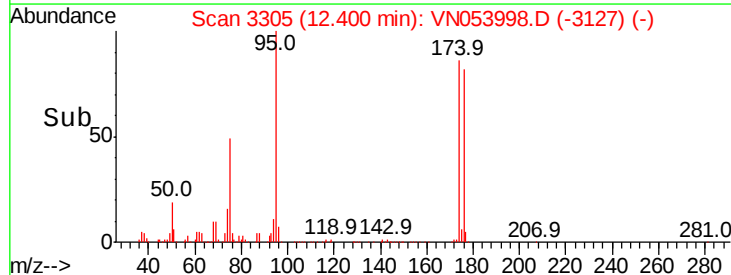
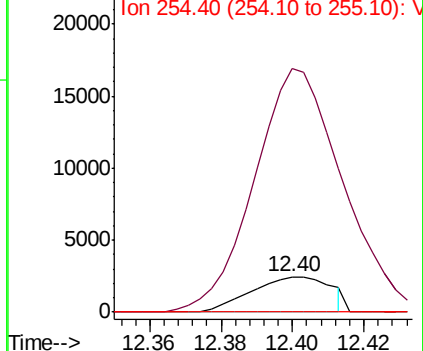


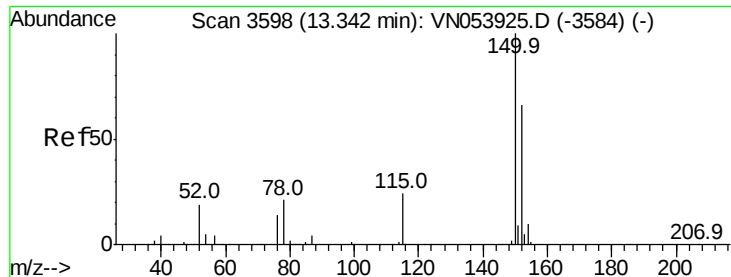
#71
Bromoform
Concen: 0.671 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053998.D
Acq: 28 Feb 2019 12:33

Tgt Ion:173 Resp: 3786
Ion Ratio Lower Upper
173 100
175 647.9 24.3 72.8#
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



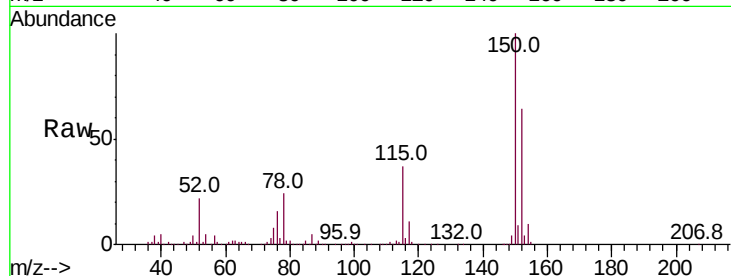


#72

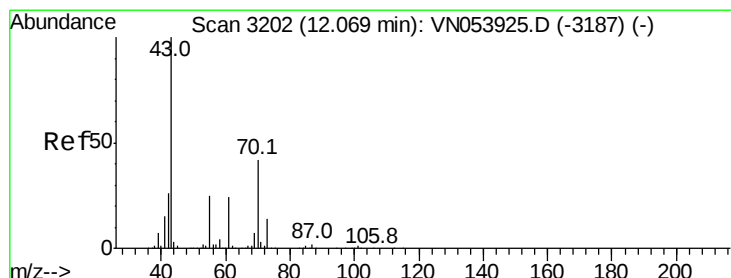
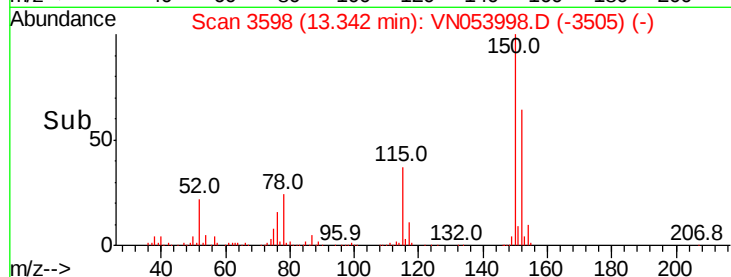
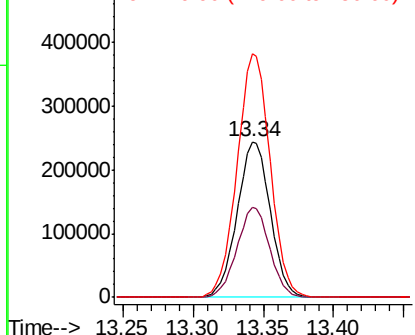
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053998.D
Acq: 28 Feb 2019 12:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 401295
Ion Ratio Lower Upper
152 100
115 57.3 27.2 81.6
150 156.5 0.0 348.2



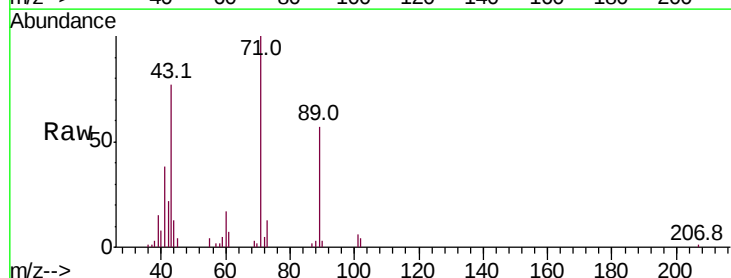
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



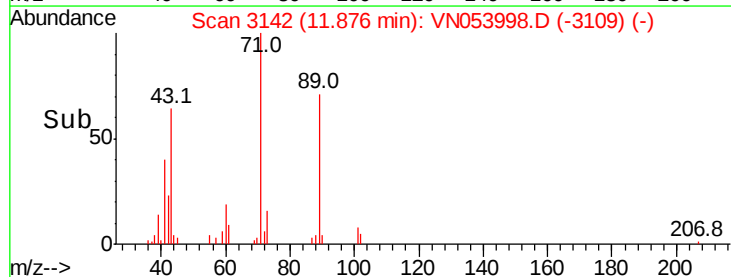
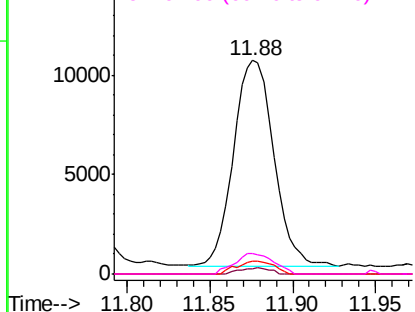
#74

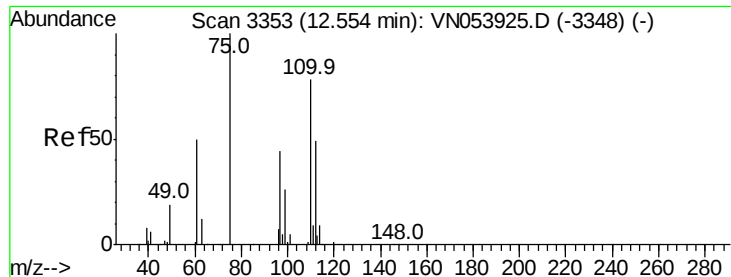
N-ethyl acetate
Concen: 2.135 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN053998.D
Acq: 28 Feb 2019 12:33

Tgt Ion: 43 Resp: 17479
Ion Ratio Lower Upper
43 100
70 2.2 37.4 56.2#
55 5.7 21.4 32.0#
61 9.5 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 34.906 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

Instrument :

MSVOA_N

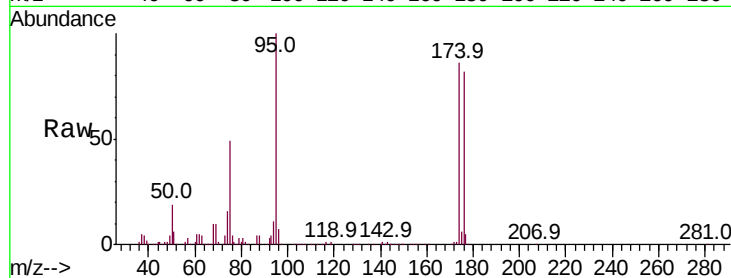
ClientSampled :

Tot Ion: 75 Resp: 224708

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

150000

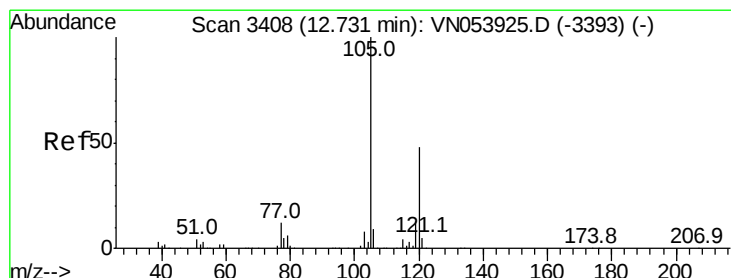
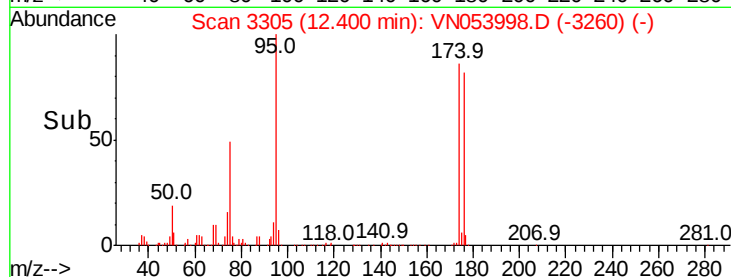
120000

100000

50000

0

Time--> 12.30 12.40 12.50



#80

1,3,5-Trimethylbenzene

Concen: 0.500 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053998.D

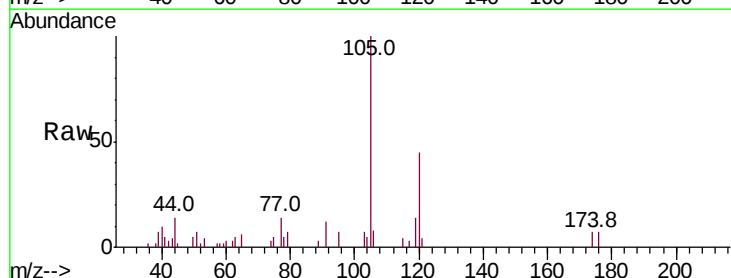
Acq: 28 Feb 2019 12:33

Tgt Ion: 105 Resp: 12793

Ion Ratio Lower Upper

105 100

120 47.6 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

8000

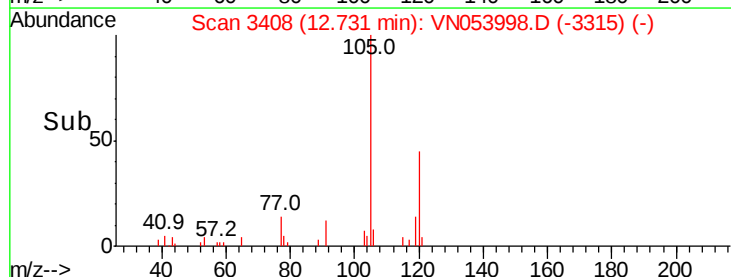
6000

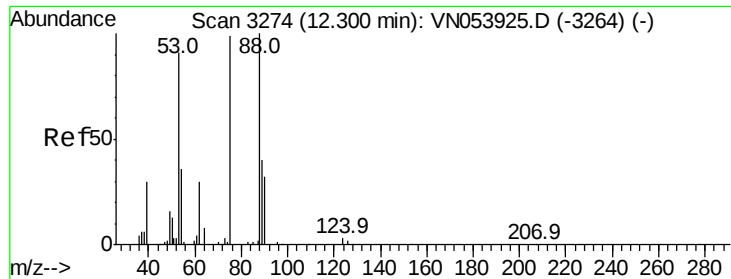
4000

2000

0

Time--> 12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 110.325 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

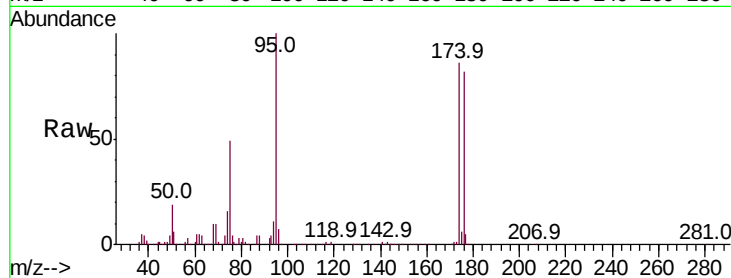
Tot Ion: 75 Resp: 224708

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

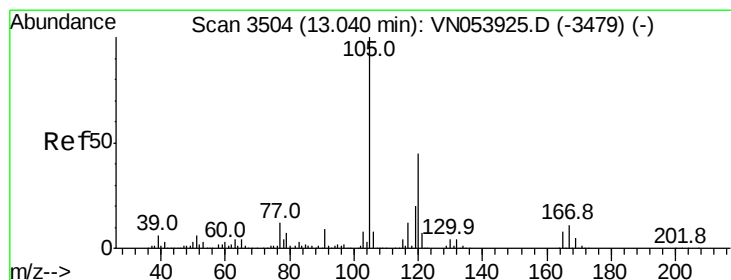
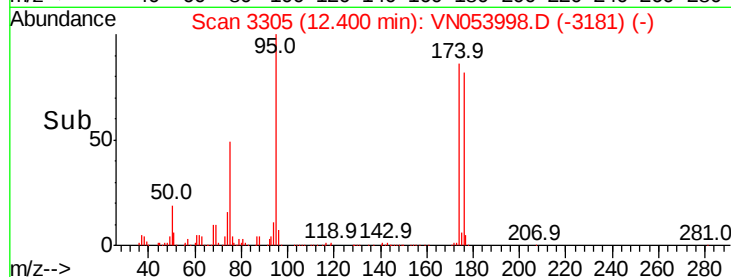
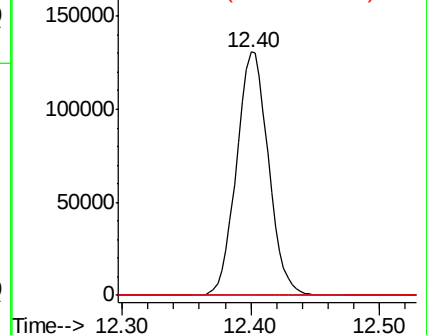
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 1.274 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053998.D

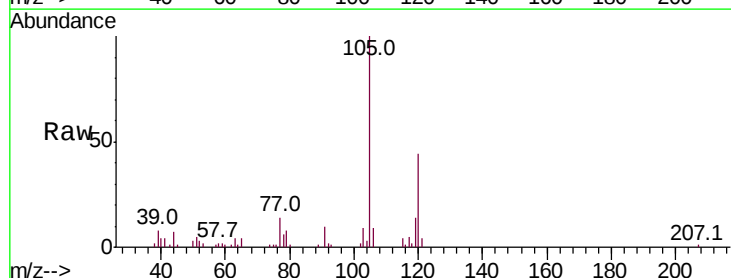
Acq: 28 Feb 2019 12:33

Tgt Ion: 105 Resp: 32529

Ion Ratio Lower Upper

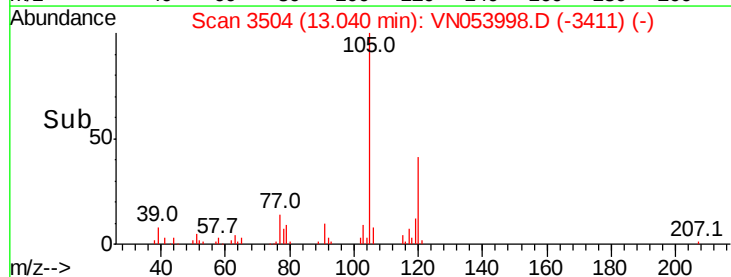
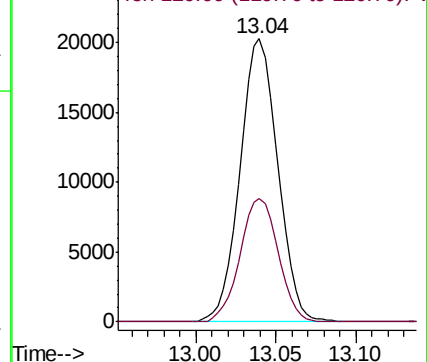
105 100

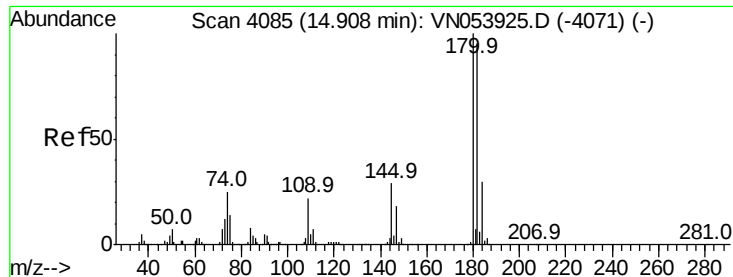
120 43.8 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#93

1,2,4-Trichlorobenzene

Concen: 2.393 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

Instrument :

MSVOA_N

ClientSampled :

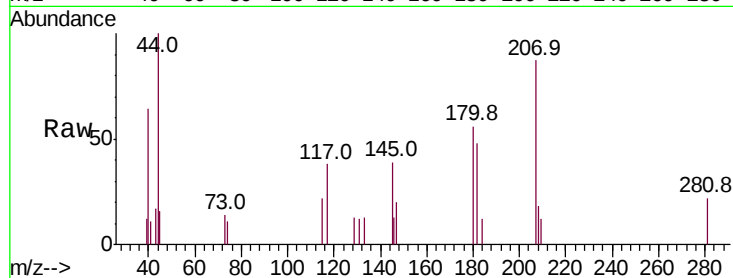
Tot Ion:180 Resp: 1314

Ion Ratio Lower Upper

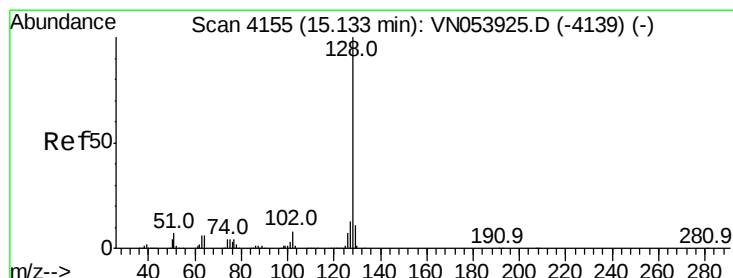
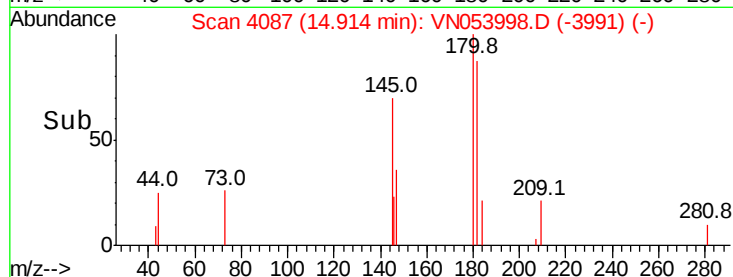
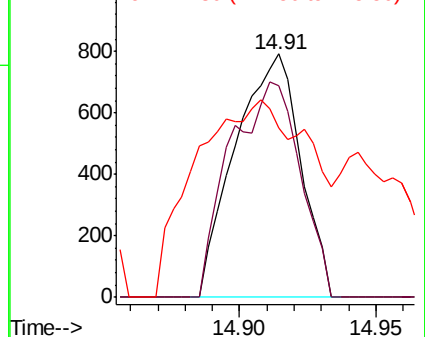
180 100

182 95.1 48.6 145.9

145 143.8 13.8 41.3#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 10.423 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053998.D

Acq: 28 Feb 2019 12:33

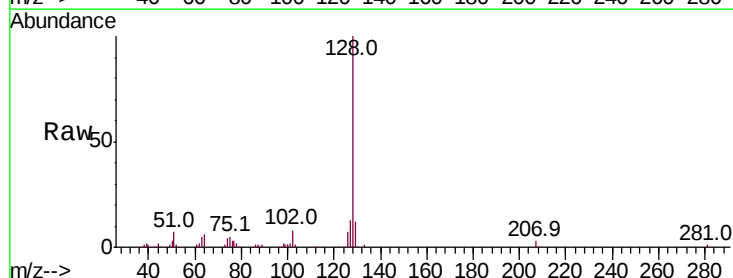
Tgt Ion:128 Resp: 122439

Ion Ratio Lower Upper

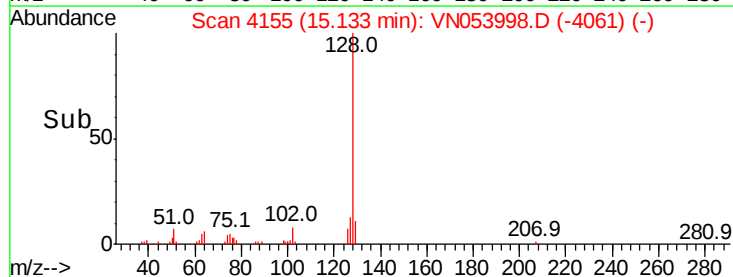
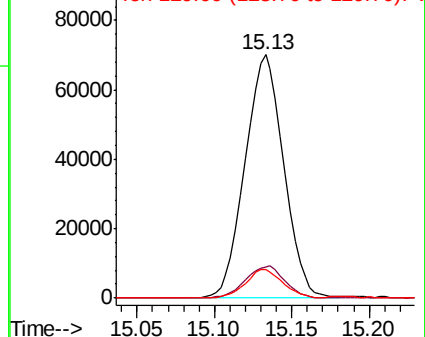
128 100

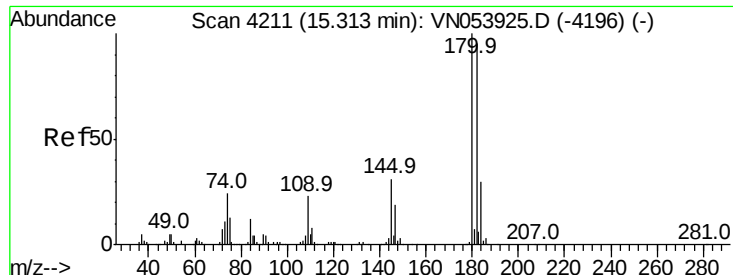
127 13.4 10.2 15.2

129 11.3 8.6 12.8



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: 1.668 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053998.D
 Acq: 28 Feb 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 806
 Ion Ratio Lower Upper
 180 100
 182 78.4 47.3 141.8
 145 105.1 14.4 43.0#

