

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010219\
 Data File : VN053238.D
 Acq On : 2 Jan 2019 10:38
 Operator : MD\SY
 Sample : J6598-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TB05_122818

Quant Time: Jan 03 01:21:30 2019
 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	1309127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2016331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1729132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	583830	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	635603	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
35) Dibromofluoromethane	7.59	113	566170	61.47	ug/l	0.00
Spiked Amount			Recovery	=	122.94%	
50) Toluene-d8	10.09	98	2444516	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	725327	41.79	ug/l	0.00
Spiked Amount			Recovery	=	83.58%	

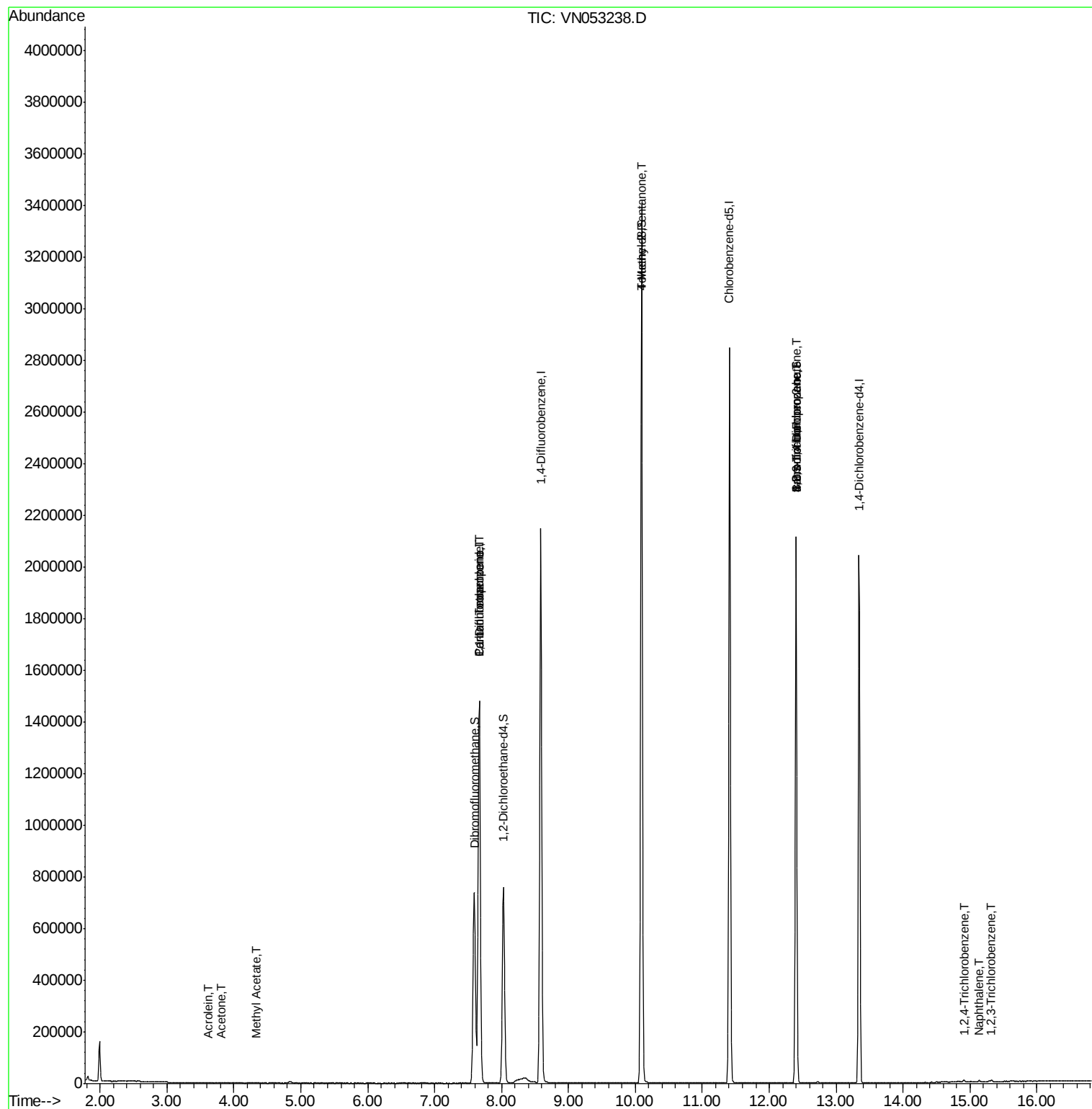
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	429	0.584	ug/l #	60
16) Acetone	3.81	43	898	0.345	ug/l	99
18) Methyl Acetate	4.33	43	1473	1.114	ug/l #	70
31) Cyclohexane	7.67	56	21112	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	85727	4.430	ug/l #	48
38) Carbon Tetrachloride	7.67	117	110842	6.248	ug/l #	15
43) Isopropyl Acetate	8.26	43	19695	Below Cal	#	53
51) 4-Methyl-2-Pentanone	10.09	43	9035	0.864	ug/l #	1
71) Bromoform	12.40	173	4678	0.486	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	335631	34.150	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	335631	110.069	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	1921	0.777	ug/l	94
94) Hexachlorobutadiene	15.01	225	385	Below Cal		75
95) Naphthalene	15.14	128	6095	1.406	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.32	180	2856	0.808	ug/l	87

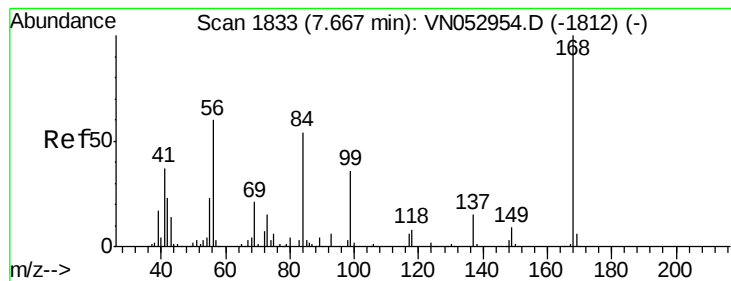
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN010219\
Data File : VN053238.D
Acq On : 2 Jan 2019 10:38
Operator : MD\SY
Sample : J6598-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
TB05_122818

Quant Time: Jan 03 01:21:30 2019
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: VN053238.D

Acq: 2 Jan 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

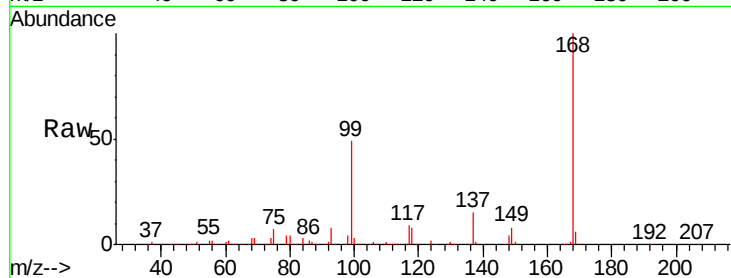
TB05_122818

Tgt Ion:168 Resp: 1309127

Ion Ratio Lower Upper

168 100

99 48.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053238.D

Ion 98.90 (98.60 to 99.60): VN053238.D

7.67

600000

500000

400000

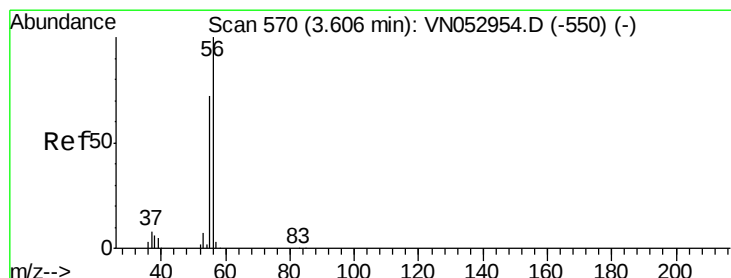
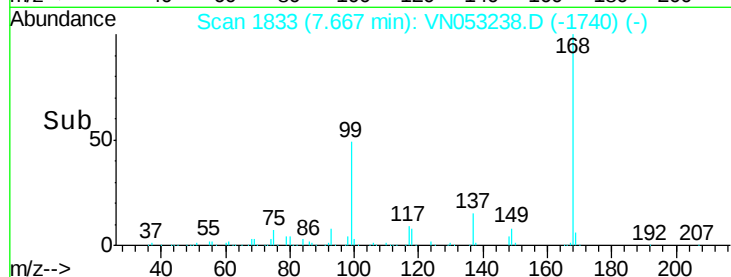
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.584 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053238.D

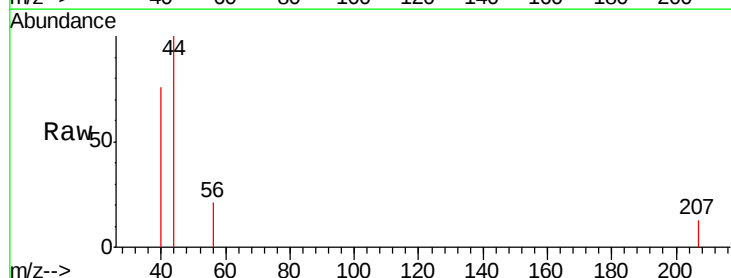
Acq: 2 Jan 2019 10:38

Tgt Ion: 56 Resp: 429

Ion Ratio Lower Upper

56 100

55 37.8 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN053238.D

Ion 55.00 (54.70 to 55.70): VN053238.D

3.61

300

250

200

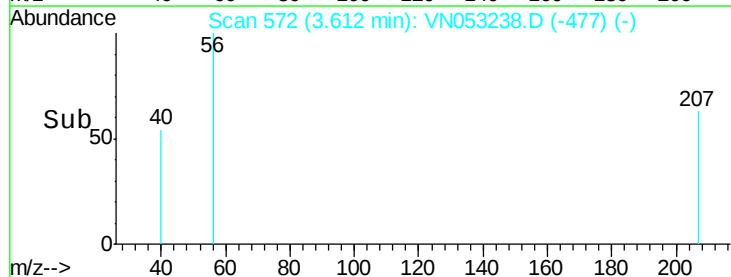
150

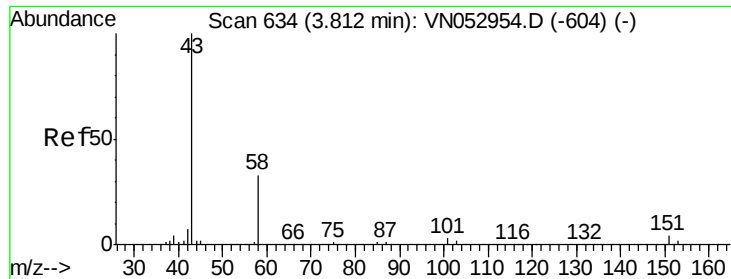
100

50

0

Time-->





#16

Acetone

Concen: 0.345 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN053238.D

Acq: 2 Jan 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

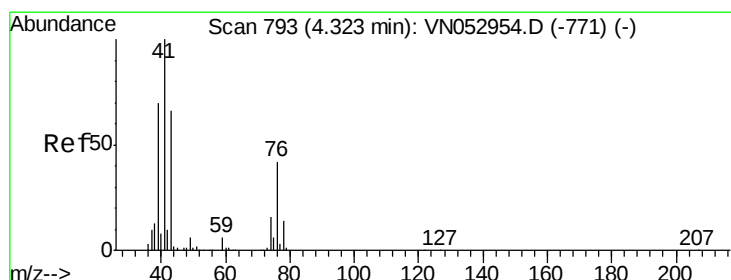
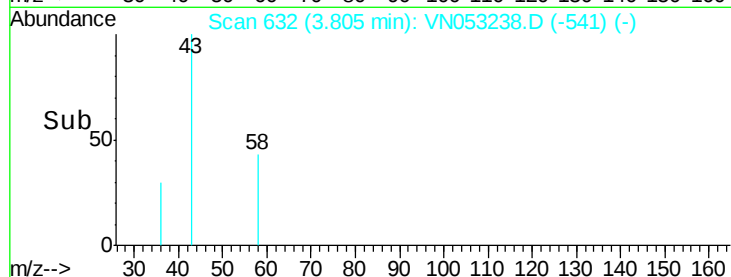
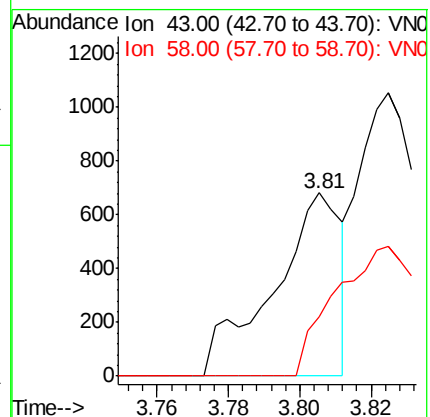
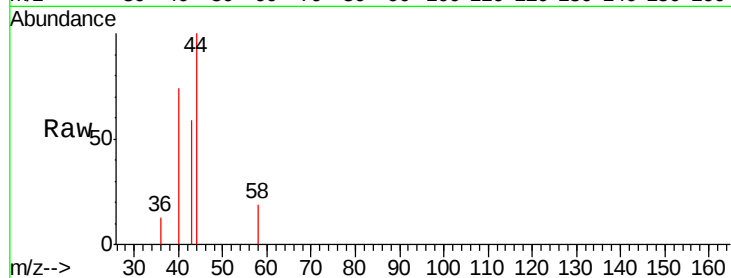
TB05_122818

Tgt Ion: 43 Resp: 898

Ion Ratio Lower Upper

43 100

58 32.2 25.4 38.0



#18

Methyl Acetate

Concen: 1.114 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053238.D

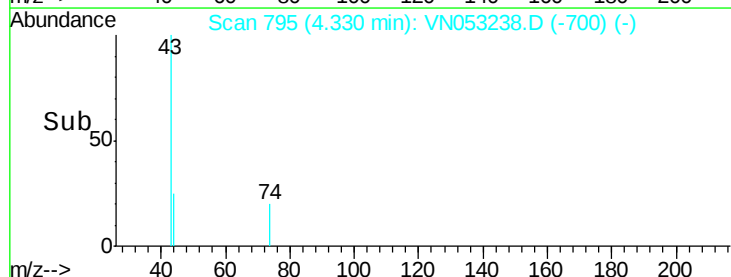
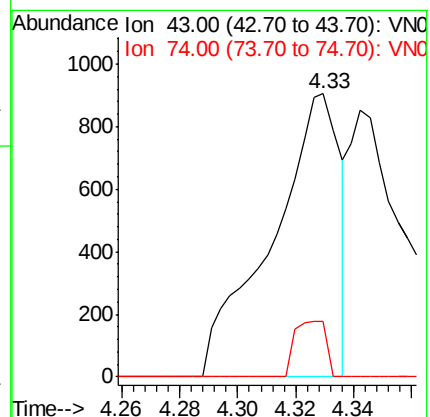
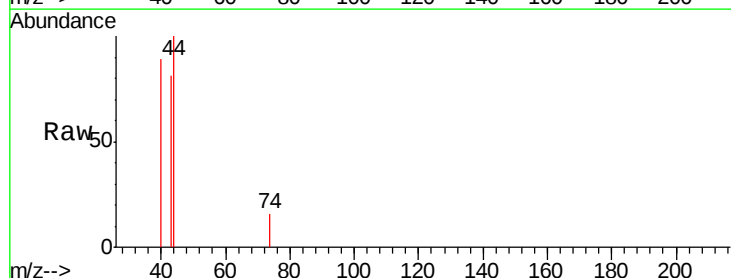
Acq: 2 Jan 2019 10:38

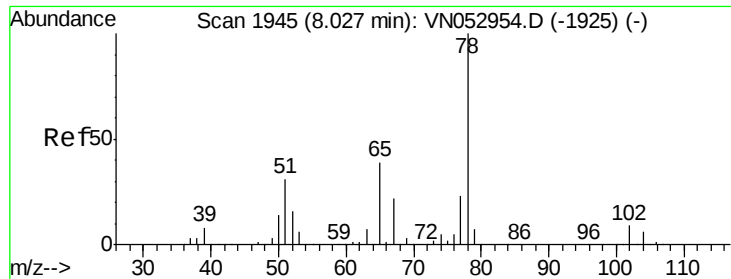
Tgt Ion: 43 Resp: 1473

Ion Ratio Lower Upper

43 100

74 9.0 19.2 28.8#

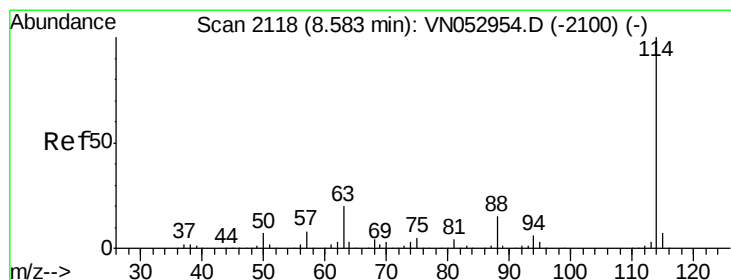
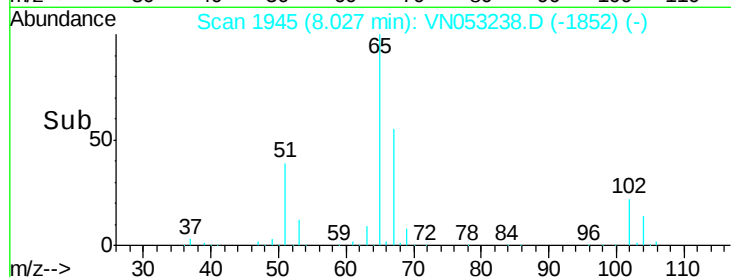
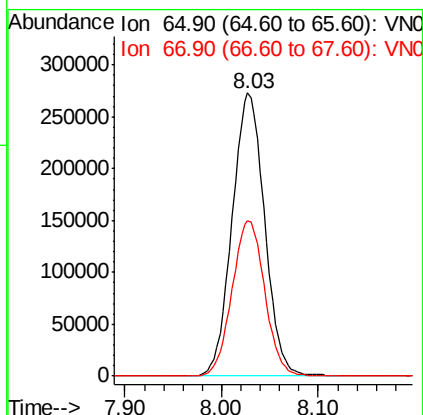
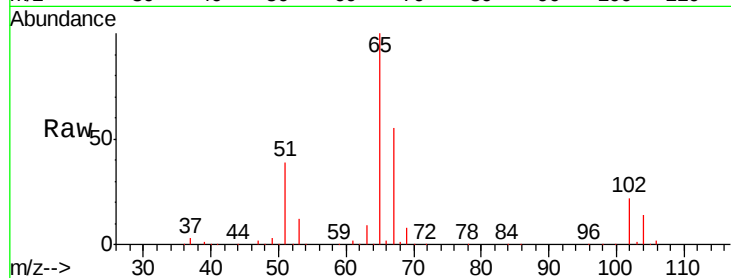




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053238.D
 Acq: 2 Jan 2019 10:38

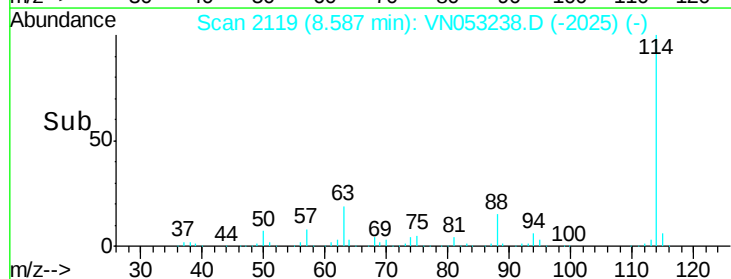
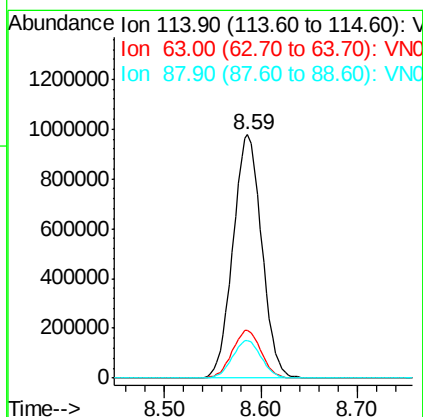
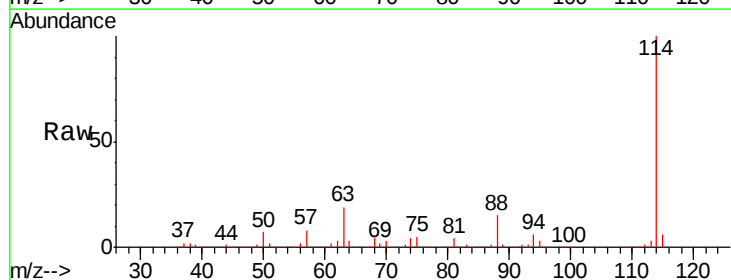
Instrument :
 MSVOA_N
 ClientSampleId :
 TB05_122818

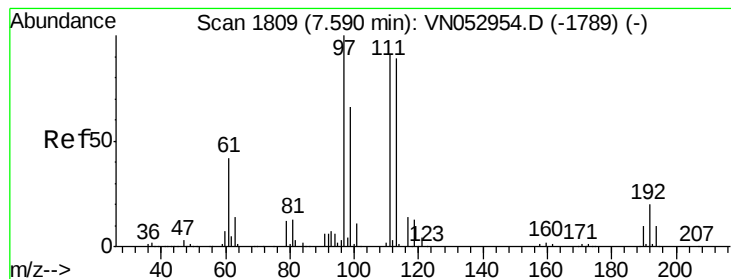
Tgt Ion: 65 Resp: 635603
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053238.D
 Acq: 2 Jan 2019 10:38

Tgt Ion: 114 Resp: 2016331
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.5 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: VN053238.D

Acq: 2 Jan 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

TB05_122818

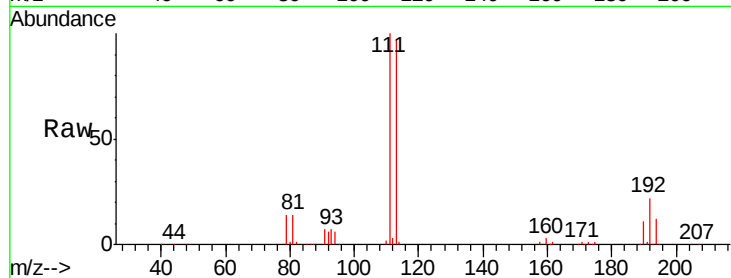
Tgt Ion:113 Resp: 566170

Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

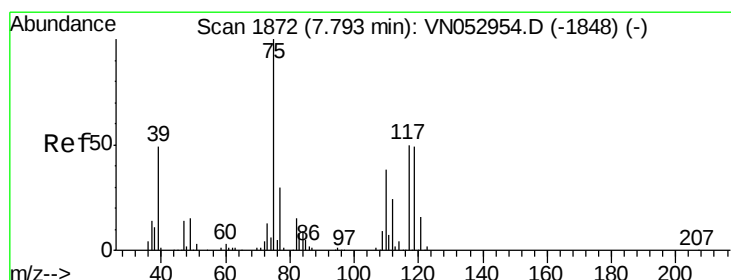
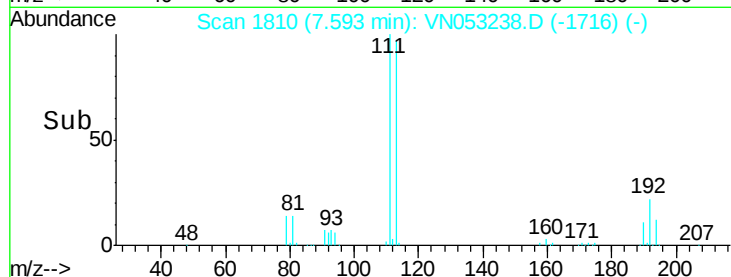
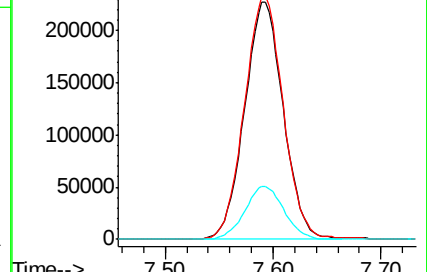
192 22.6 17.5 26.3



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: 4.430 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053238.D

Acq: 2 Jan 2019 10:38

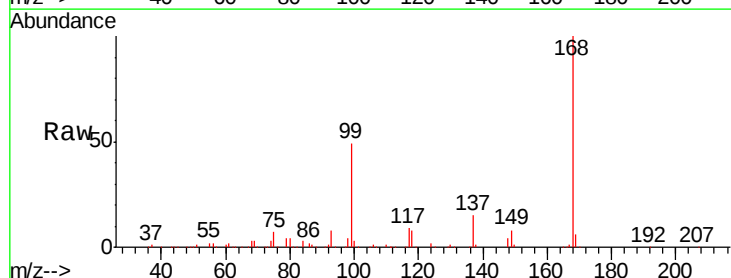
Tgt Ion: 75 Resp: 85727

Ion Ratio Lower Upper

75 100

110 8.5 18.2 54.6#

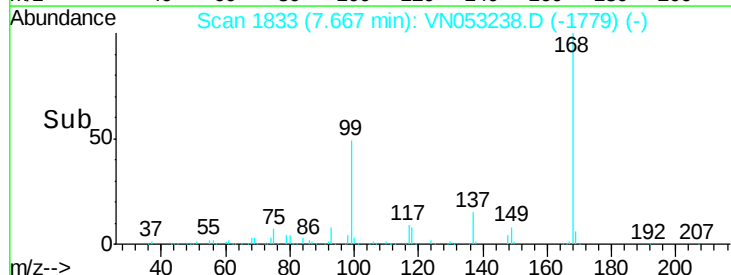
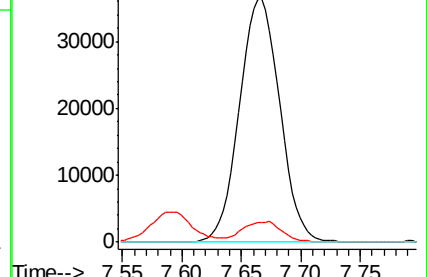
77 0.0 24.9 37.3#

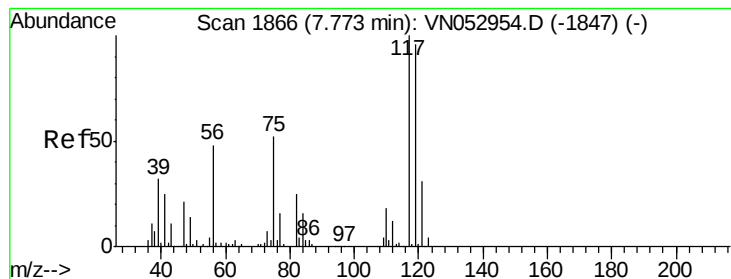


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.248 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053238.D

Acq: 2 Jan 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

TB05_122818

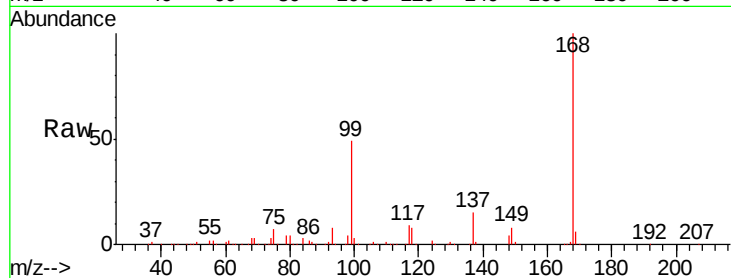
Tgt Ion:117 Resp: 110842

Ion Ratio Lower Upper

117 100

119 4.7 77.1 115.7#

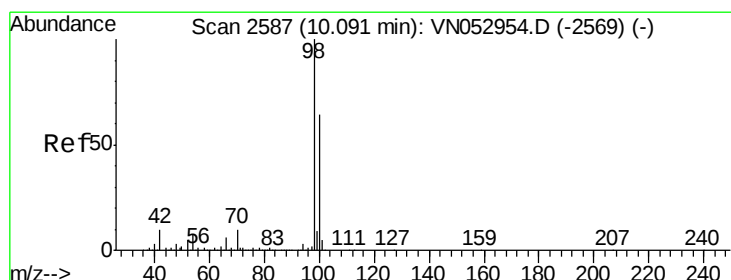
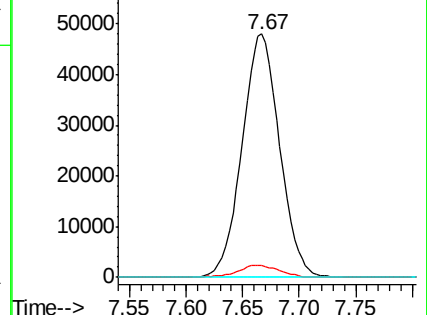
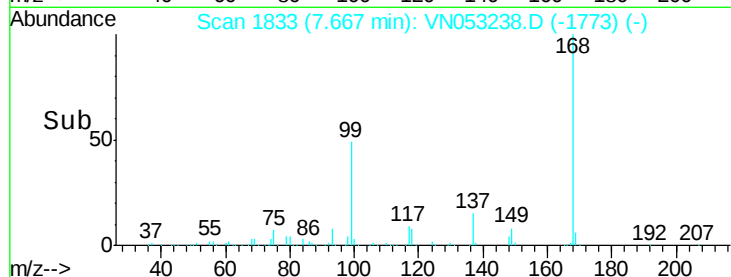
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053238.D

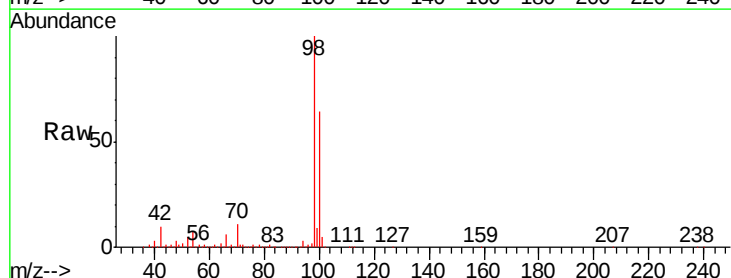
Acq: 2 Jan 2019 10:38

Tgt Ion: 98 Resp: 2444516

Ion Ratio Lower Upper

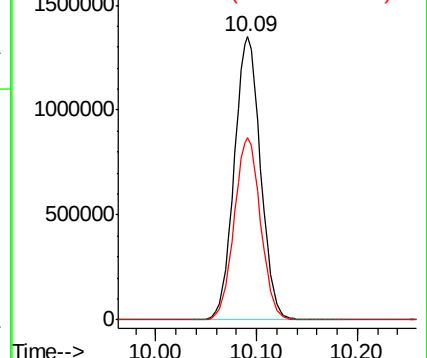
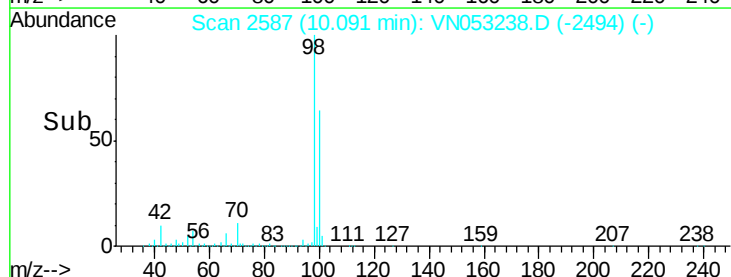
98 100

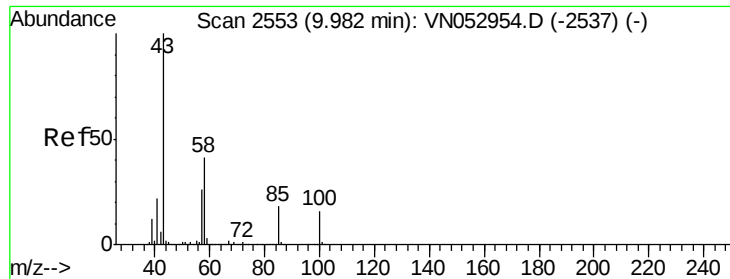
100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.864 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN053238.D

Acq: 2 Jan 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

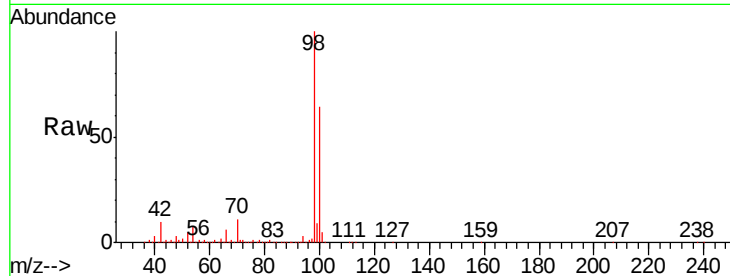
TB05_122818

Tgt Ion: 43 Resp: 9035

Ion Ratio Lower Upper

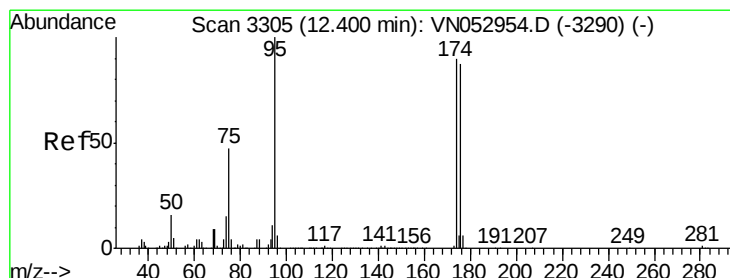
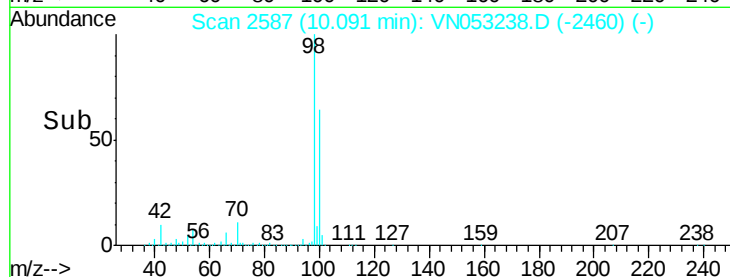
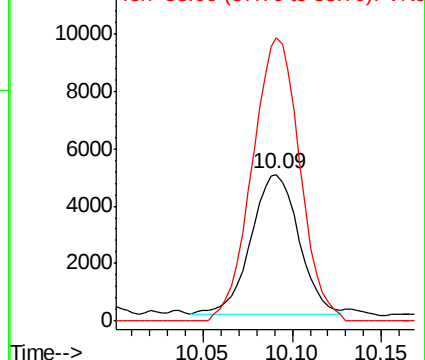
43 100

58 202.9 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN053238.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN053238.D (-2460) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053238.D

Acq: 2 Jan 2019 10:38

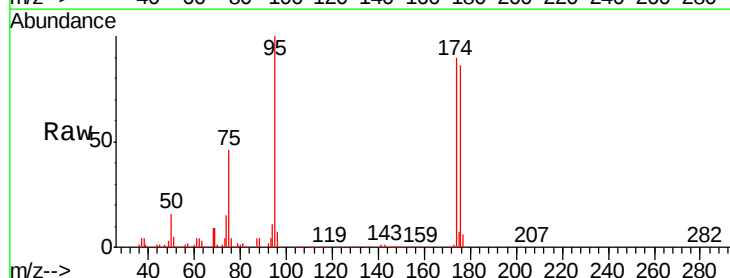
Tgt Ion: 95 Resp: 725327

Ion Ratio Lower Upper

95 100

174 90.3 0.0 178.8

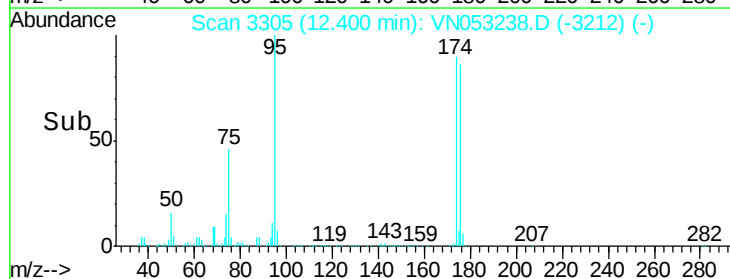
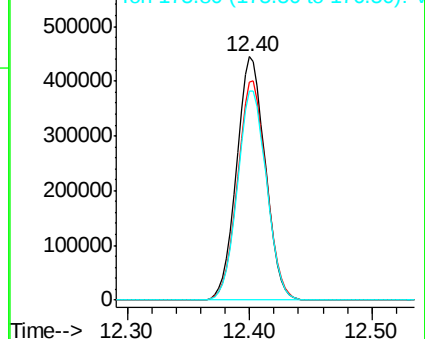
176 86.9 0.0 173.8

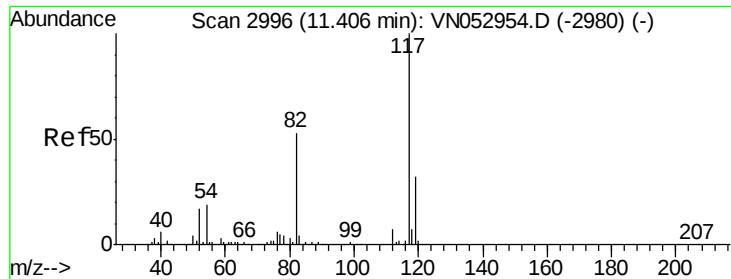


Abundance Ion 94.90 (94.60 to 95.60): VN053238.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN053238.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN053238.D (-3212) (-)

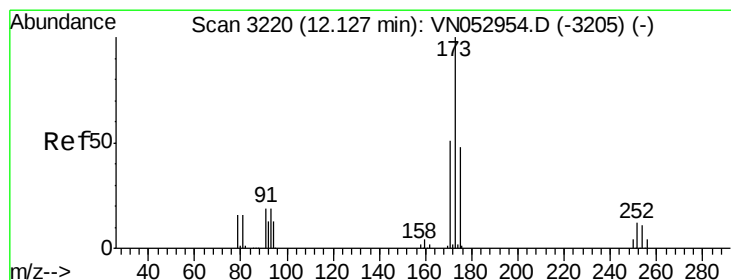
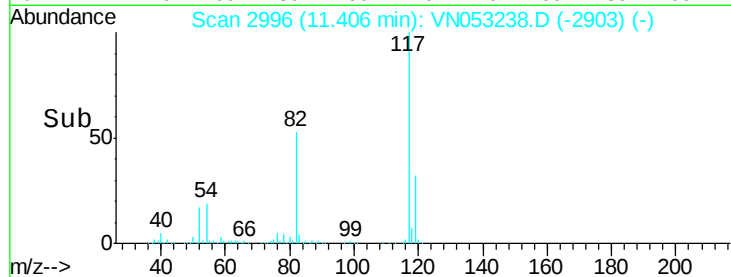
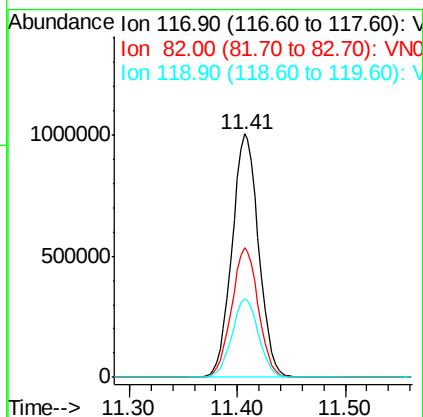
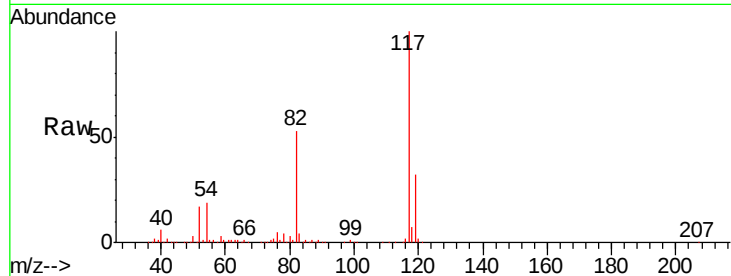




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053238.D
Acq: 2 Jan 2019 10:38

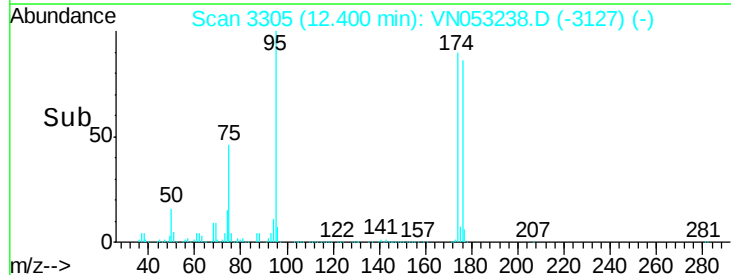
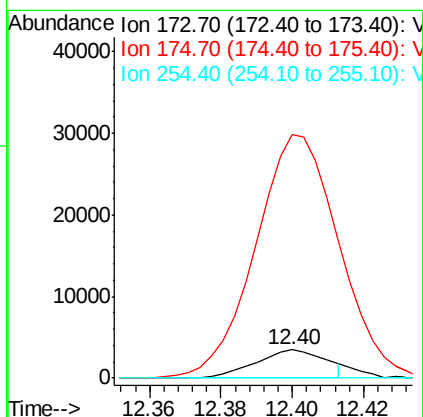
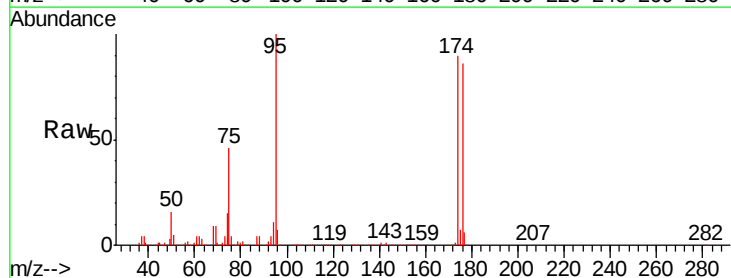
Instrument :
MSVOA_N
ClientSampled :
TB05_122818

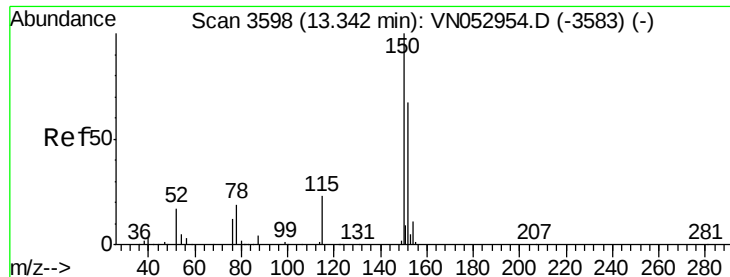
Tgt Ion:117 Resp: 1729132
Ion Ratio Lower Upper
117 100
82 53.1 42.8 64.2
119 32.3 25.5 38.3



#71
Bromoform
Concen: 0.486 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053238.D
Acq: 2 Jan 2019 10:38

Tgt Ion:173 Resp: 4678
Ion Ratio Lower Upper
173 100
175 913.5 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053238.D

Acq: 2 Jan 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

TB05_122818

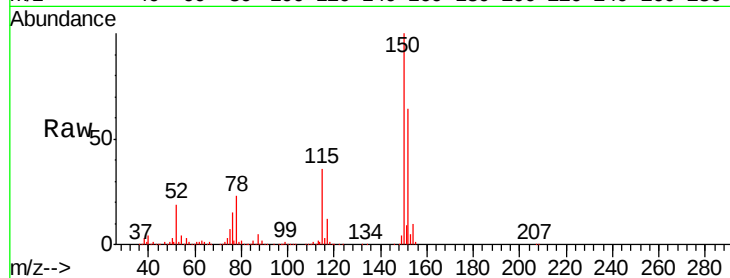
Tgt Ion:152 Resp: 583830

Ion Ratio Lower Upper

152 100

115 56.4 28.3 85.0

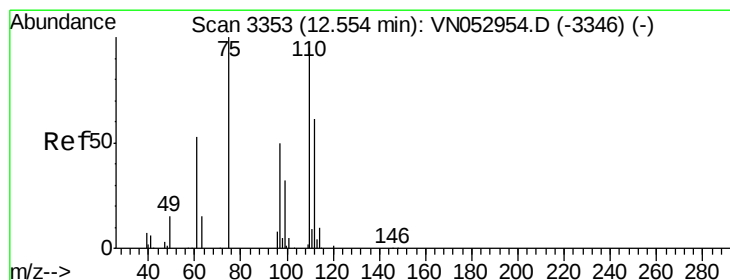
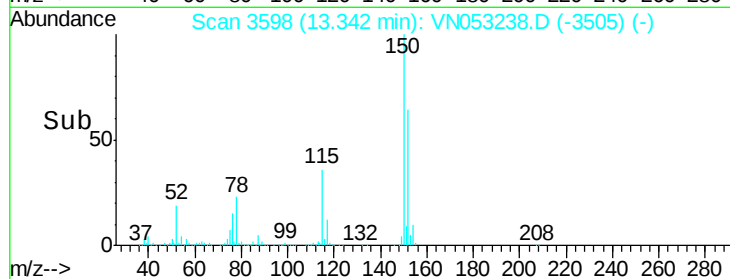
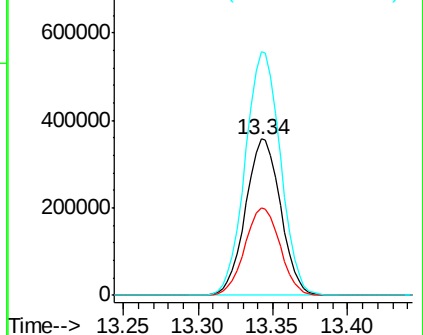
150 156.7 0.0 347.8



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: 34.150 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053238.D

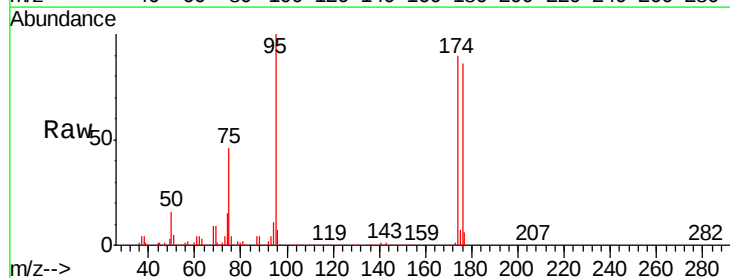
Acq: 2 Jan 2019 10:38

Tgt Ion: 75 Resp: 335631

Ion Ratio Lower Upper

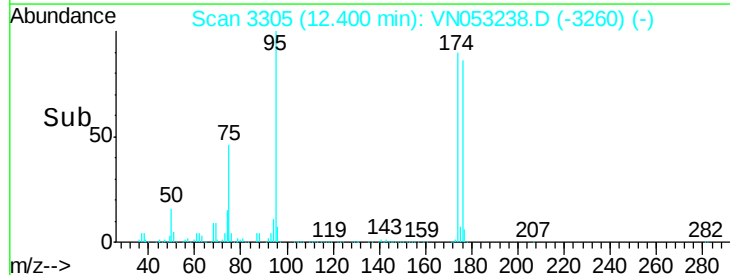
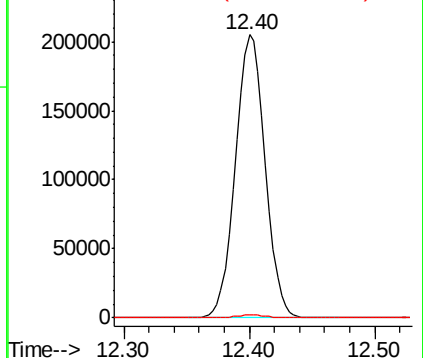
75 100

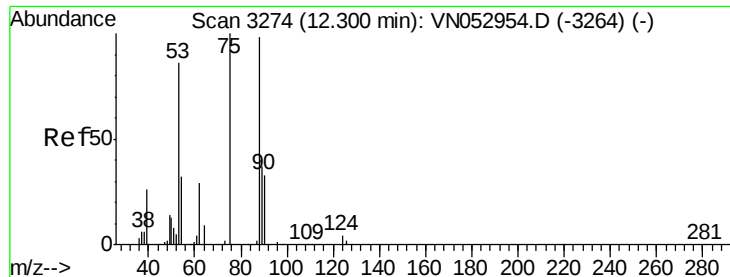
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 110.069 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053238.D

Acq: 2 Jan 2019 10:38

Instrument :

MSVOA_N

ClientSampled :

TB05_122818

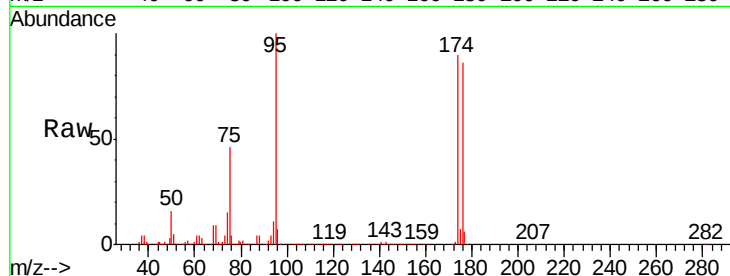
Tgt Ion: 75 Resp: 335631

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

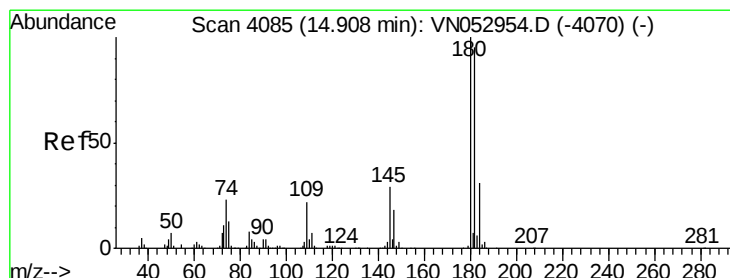
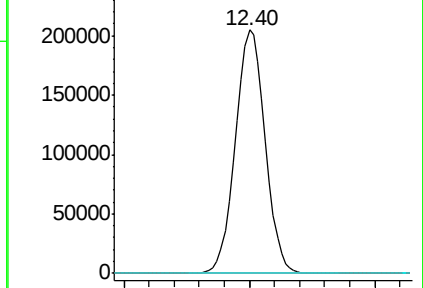
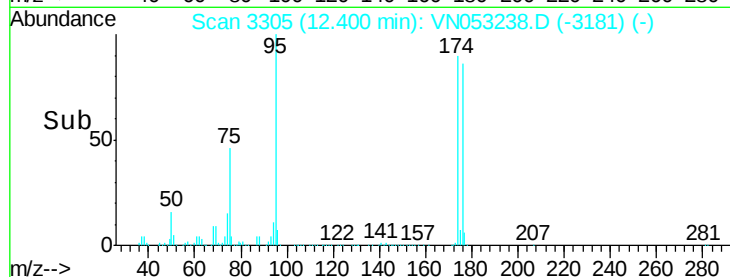
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN053238.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053238.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053238.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.777 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053238.D

Acq: 2 Jan 2019 10:38

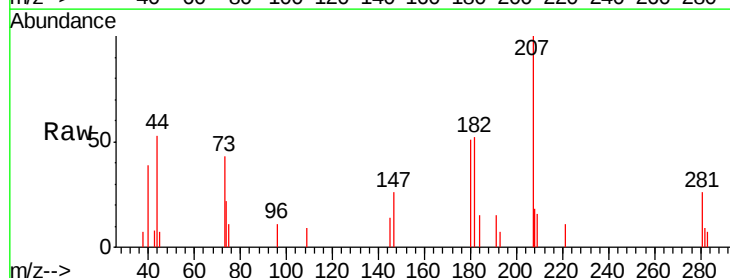
Tgt Ion: 180 Resp: 1921

Ion Ratio Lower Upper

180 100

182 100.2 47.8 143.3

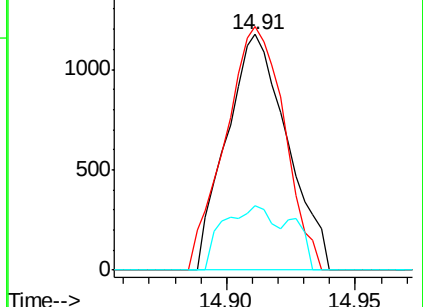
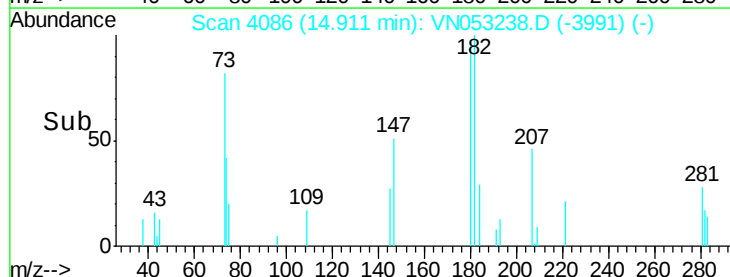
145 23.1 14.2 42.6

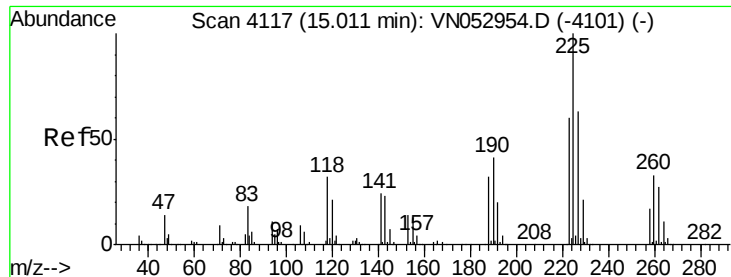


Abundance Ion 179.80 (179.50 to 180.50): VN053238.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN053238.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN053238.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053238.D

Acq: 2 Jan 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

TB05_122818

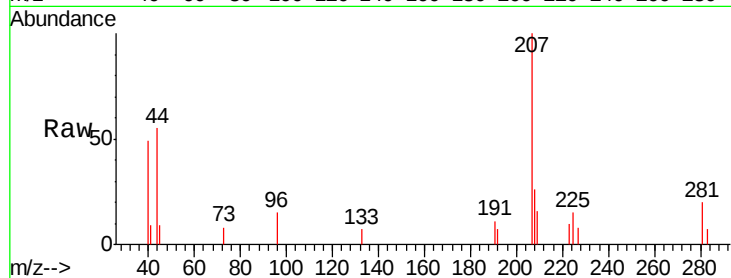
Tgt Ion:225 Resp: 385

Ion Ratio Lower Upper

225 100

223 44.7 31.5 94.5

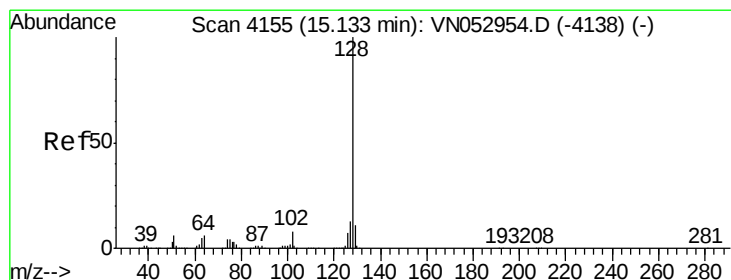
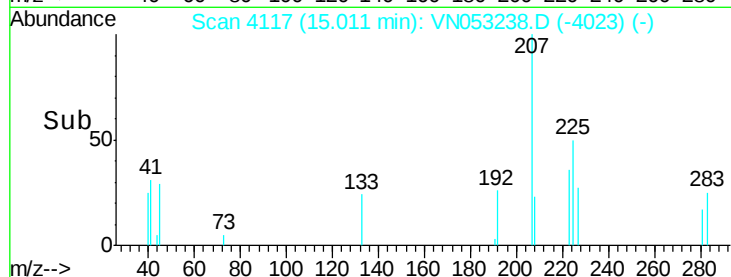
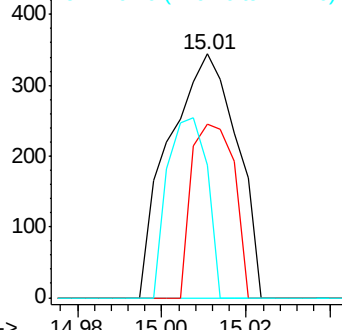
227 43.6 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.406 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053238.D

Acq: 2 Jan 2019 10:38

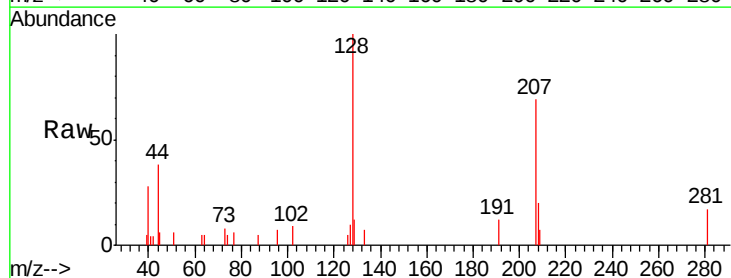
Tgt Ion:128 Resp: 6095

Ion Ratio Lower Upper

128 100

127 9.0 10.2 15.4#

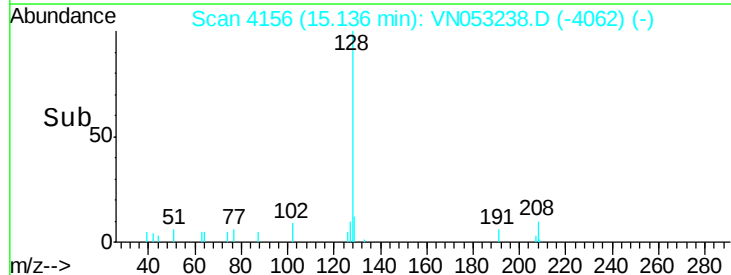
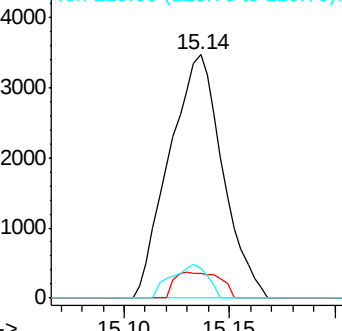
129 9.5 8.6 13.0

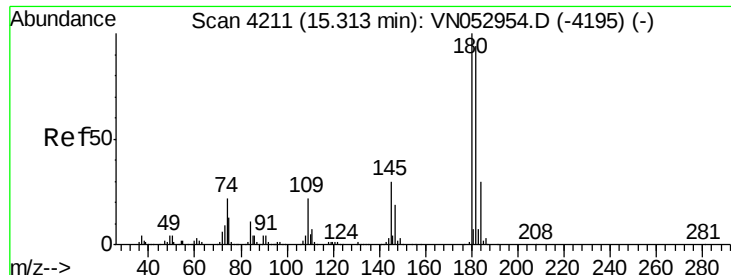


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.808 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053238.D
 Acq: 2 Jan 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 TB05_122818

Tgt Ion:180 Resp: 2856
 Ion Ratio Lower Upper
 180 100
 182 80.7 47.9 143.7
 145 26.9 15.0 45.0

