

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052923.D
 Acq On : 17 Dec 2018 13:24
 Operator : MD\SY
 Sample : J6438-08 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 04:43:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1321867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2038448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1811141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	695516	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	665248	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
35) Dibromofluoromethane	7.59	113	525612	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
50) Toluene-d8	10.09	98	2522301	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	808547	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	

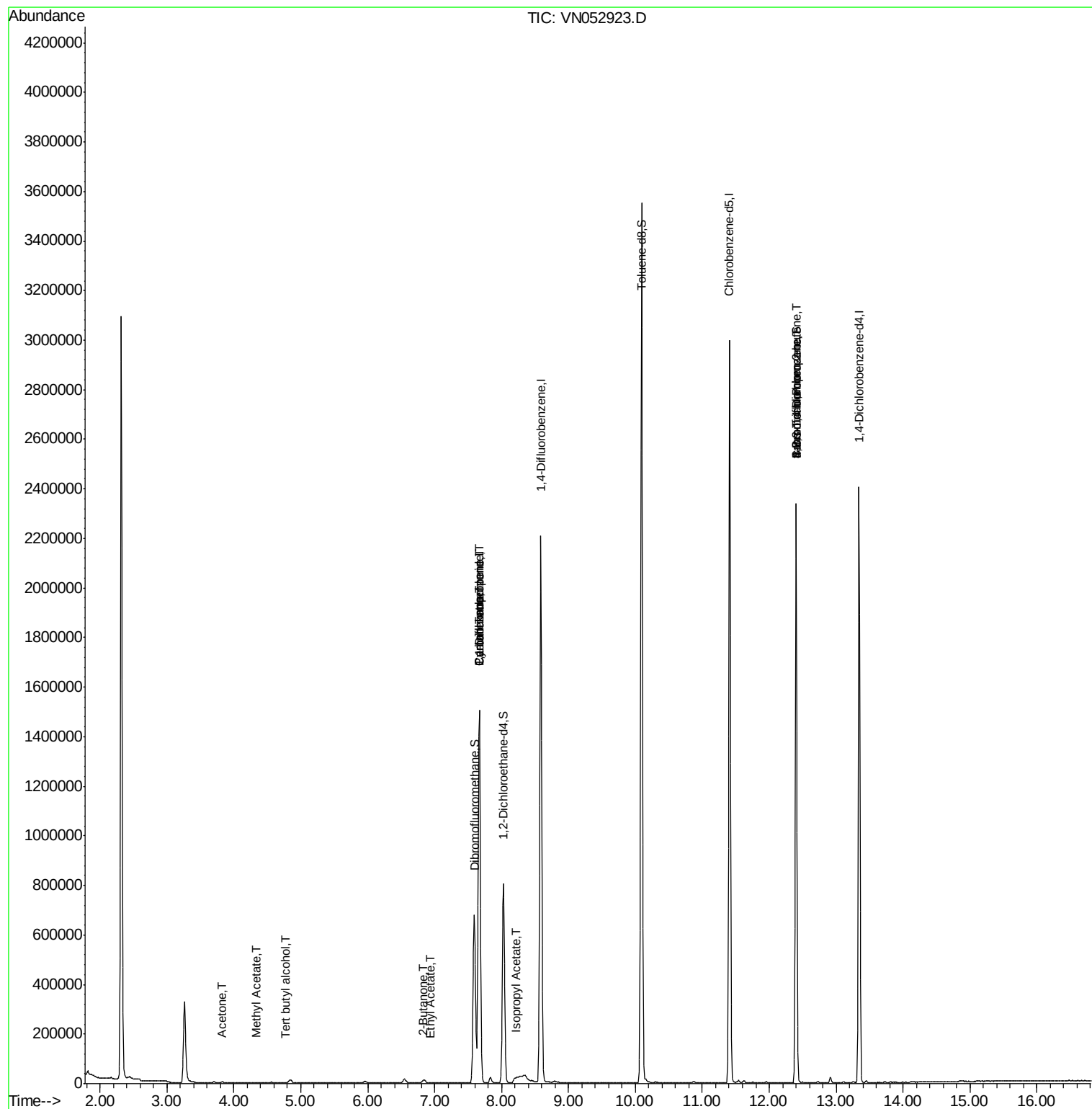
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	921	1.173	ug/l #	74
16) Acetone	3.82	43	6234	1.975	ug/l	90
18) Methyl Acetate	4.34	43	3945	0.341	ug/l #	85
25) 2-Butanone	6.84	43	16712	3.412	ug/l	98
31) Cyclohexane	7.66	56	22591	0.373	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	89237	4.754	ug/l #	49
37) Ethyl Acetate	6.93	43	2752	0.244	ug/l #	70
38) Carbon Tetrachloride	7.67	117	115763	6.700	ug/l #	16
43) Isopropyl Acetate	8.20	43	15842	0.685	ug/l #	53
71) Bromoform	12.40	173	4703	0.530	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	383267	37.350	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	383267	119.986	ug/l #	12

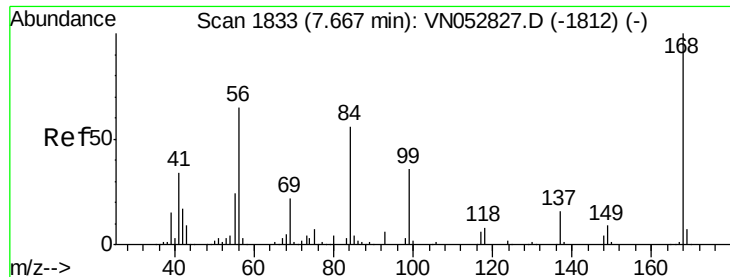
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121718\
Data File : VN052923.D
Acq On : 17 Dec 2018 13:24
Operator : MD\SY
Sample : J6438-08 50X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 18 04:43:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 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: VN052923.D

Acq: 17 Dec 2018 13:24

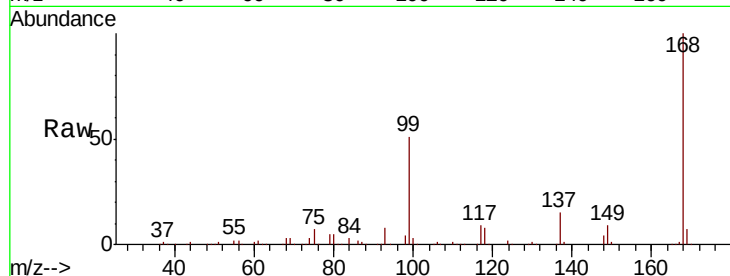
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1321867

Ion Ratio Lower Upper

168 100

99 51.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

7.67

600000

500000

400000

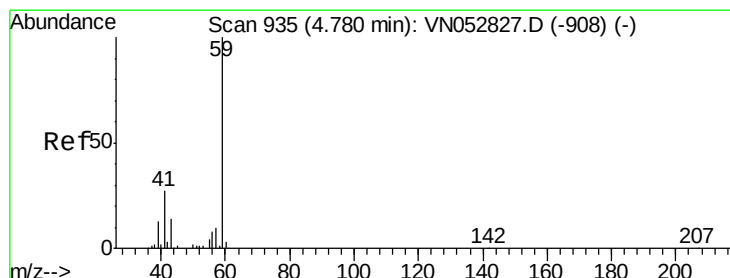
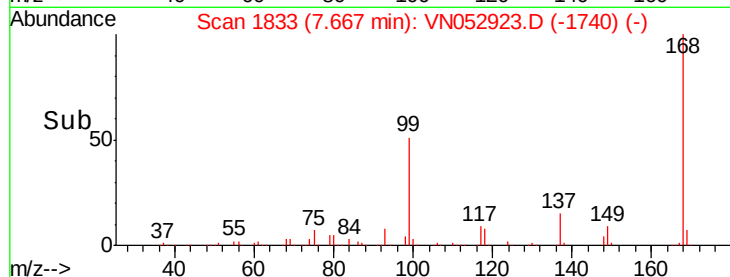
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.173 ug/l

RT: 4.78 min Scan# 935

Delta R.T. -0.00 min

Lab File: VN052923.D

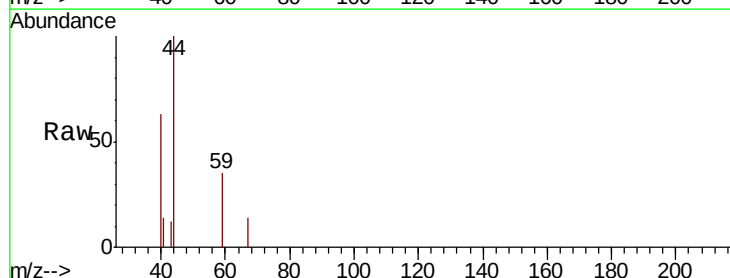
Acq: 17 Dec 2018 13:24

Tgt Ion: 59 Resp: 921

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN052827.D (-908) (-)

Ion 57.00 (56.70 to 57.70): VN052827.D (-908) (-)

4.78

600

500

400

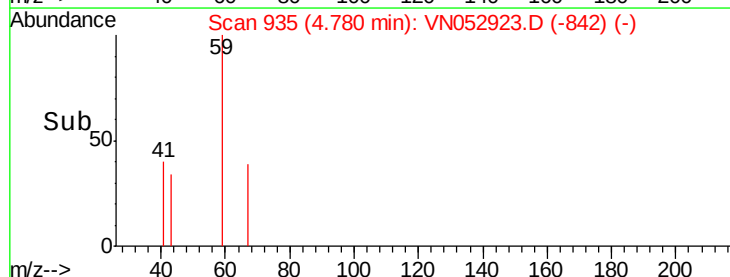
300

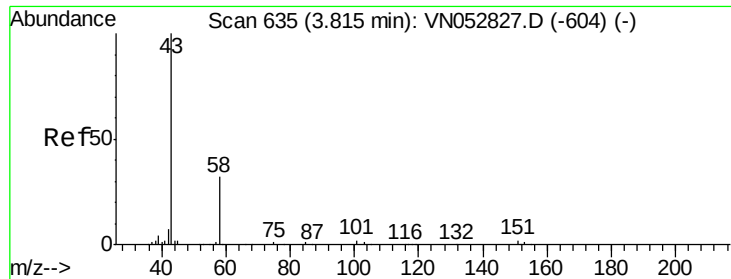
200

100

0

Time-->





#16

Acetone

Concen: 1.975 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052923.D

Acq: 17 Dec 2018 13:24

Instrument :

MSVOA_N

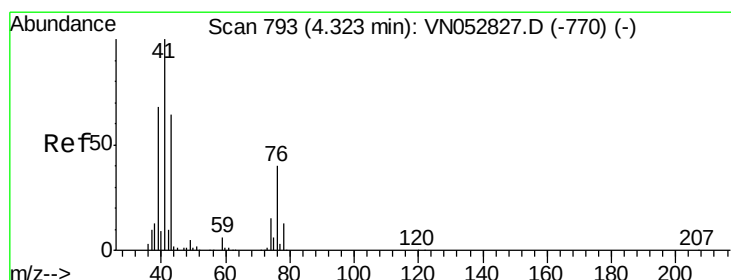
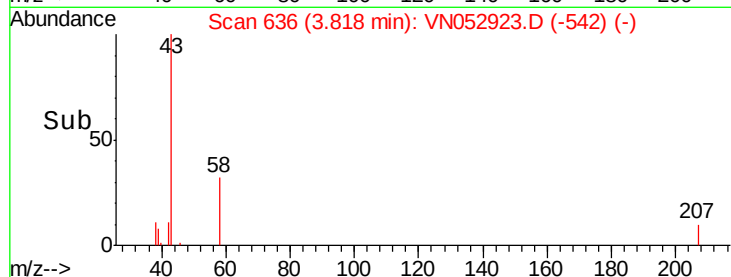
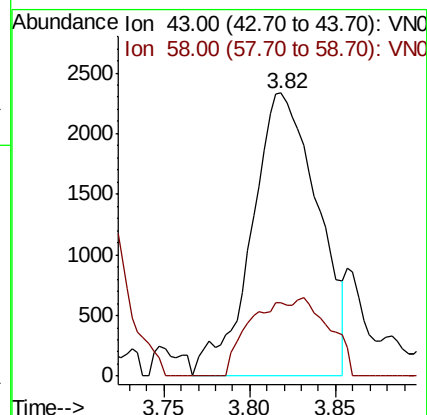
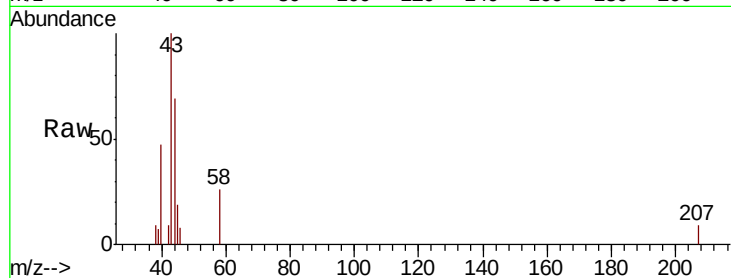
ClientSampled :

Tot Ion: 43 Resp: 6234

Ion Ratio Lower Upper

43 100

58 26.2 25.4 38.0



#18

Methyl Acetate

Concen: 0.341 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.02 min

Lab File: VN052923.D

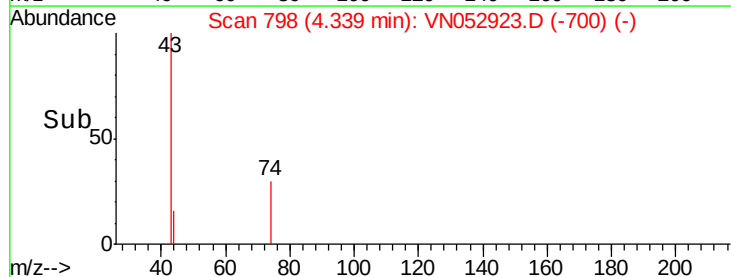
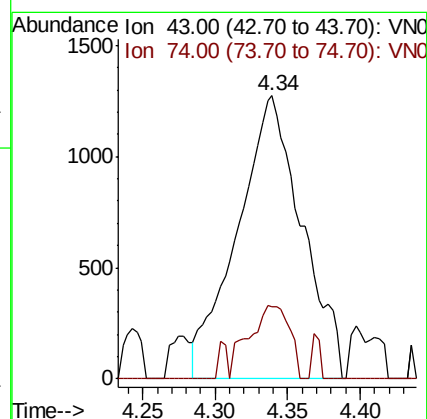
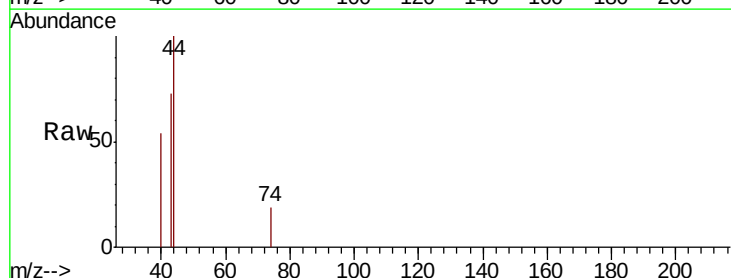
Acq: 17 Dec 2018 13:24

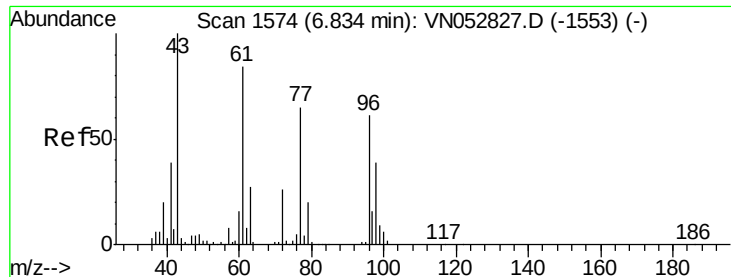
Tgt Ion: 43 Resp: 3945

Ion Ratio Lower Upper

43 100

74 16.4 19.2 28.8#

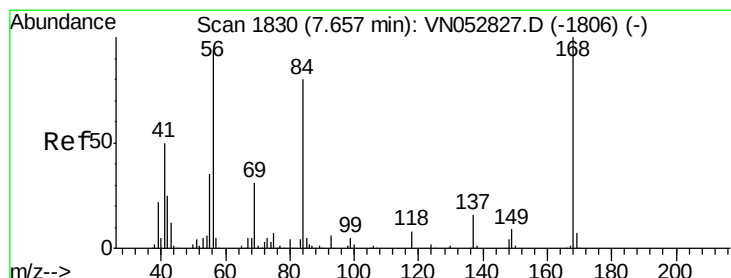
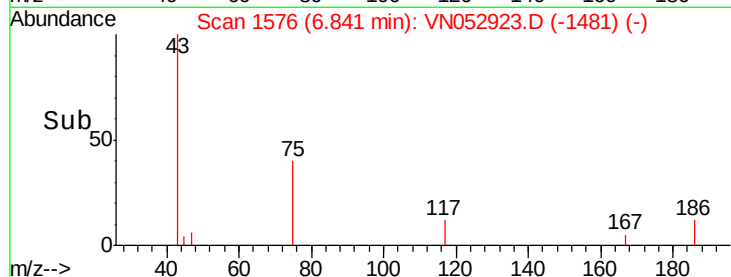
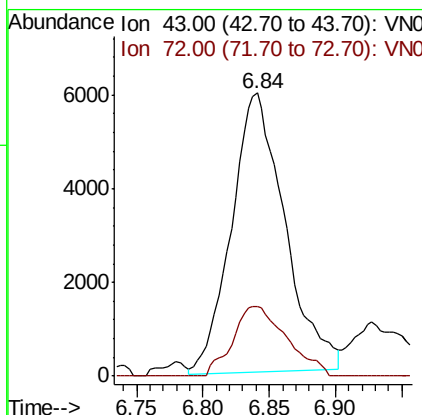
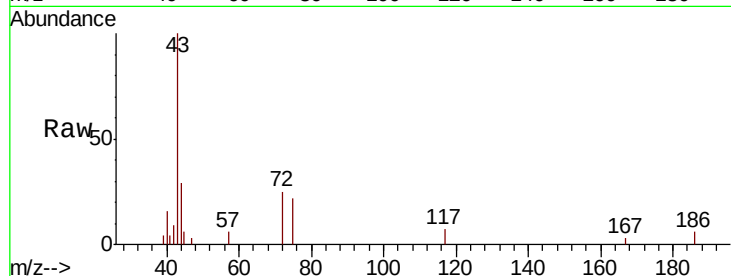




#25
2-Butanone
Concen: 3.412 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN052923.D
Acq: 17 Dec 2018 13:24

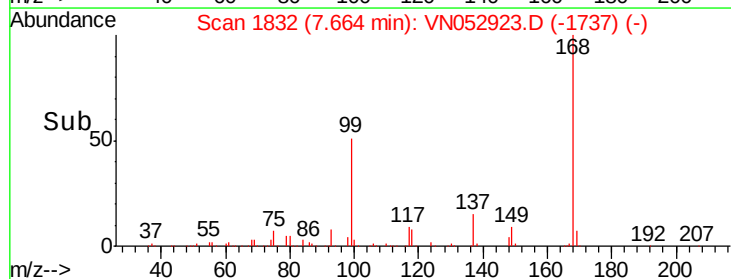
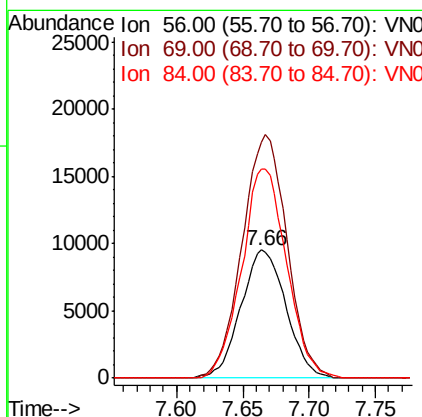
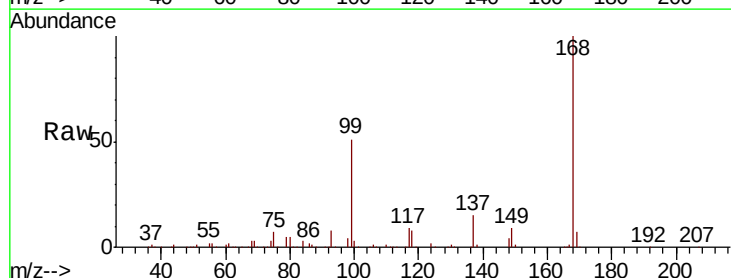
Instrument :
MSVOA_N
ClientSampleId :

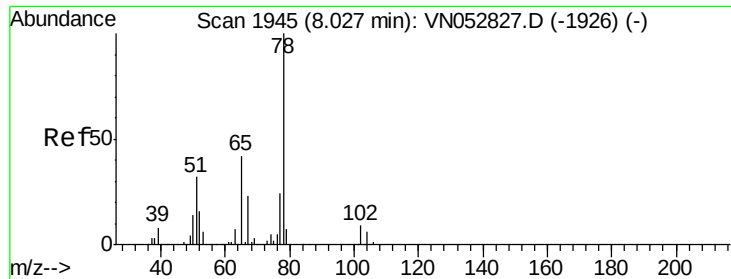
Tot Ion: 43 Resp: 16712
Ion Ratio Lower Upper
43 100
72 25.4 21.0 31.6



#31
Cyclohexane
Concen: 0.373 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052923.D
Acq: 17 Dec 2018 13:24

Tgt Ion: 56 Resp: 22591
Ion Ratio Lower Upper
56 100
69 184.2 26.6 39.8#
84 162.8 68.4 102.6#

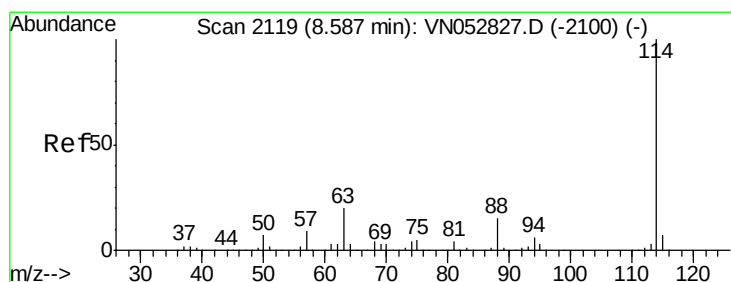
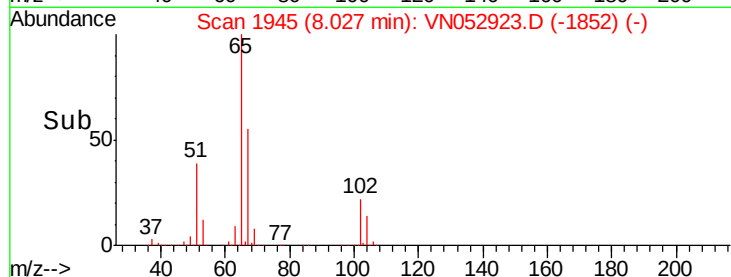
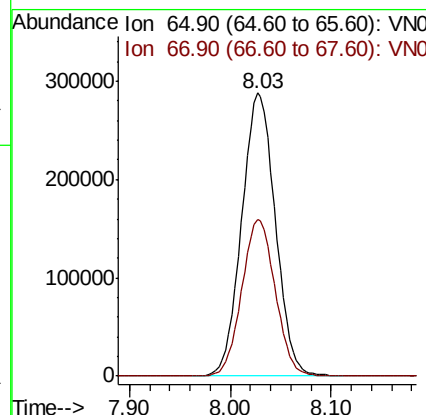
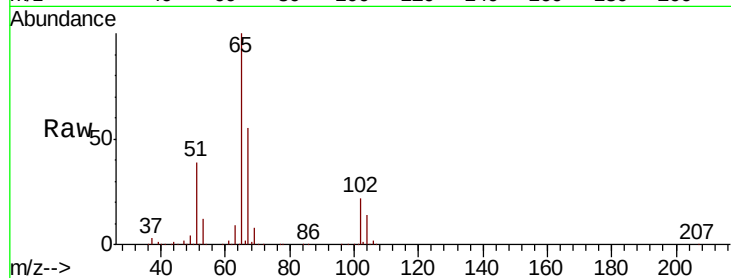




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052923.D
 Acq: 17 Dec 2018 13:24

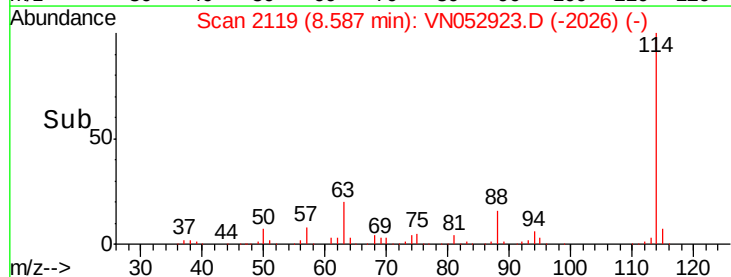
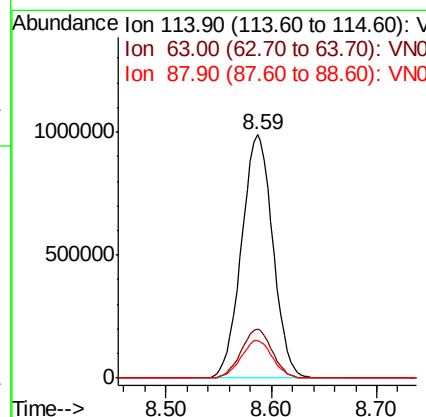
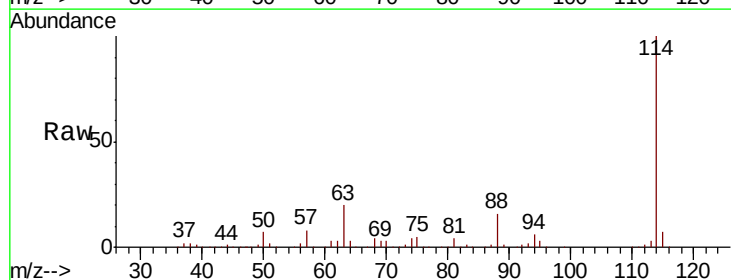
Instrument :
 MSVOA_N
 ClientSampled :

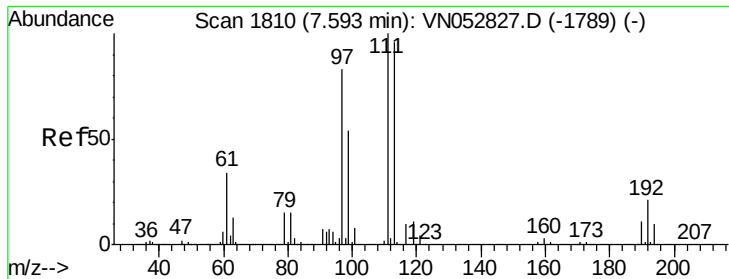
Tot Ion: 65 Resp: 665248
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052923.D
 Acq: 17 Dec 2018 13:24

Tgt Ion: 114 Resp: 2038448
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.6 0.0 31.0

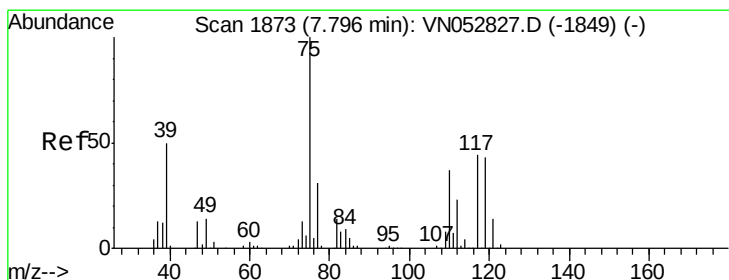
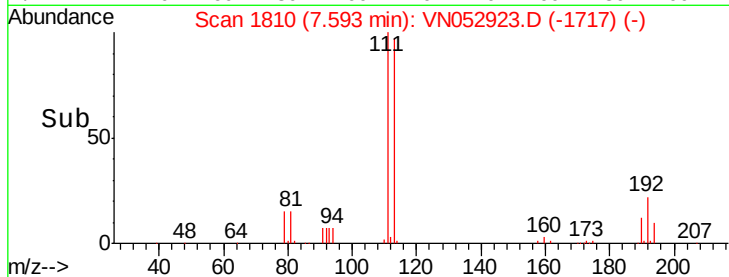
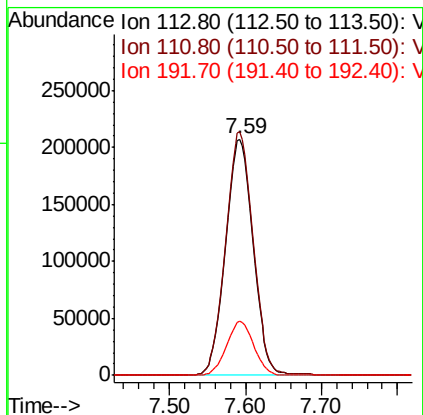
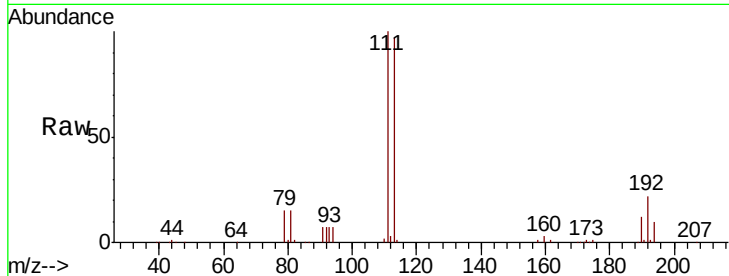




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052923.D
 Acq: 17 Dec 2018 13:24

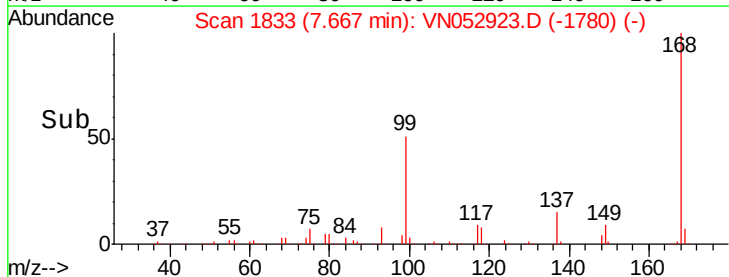
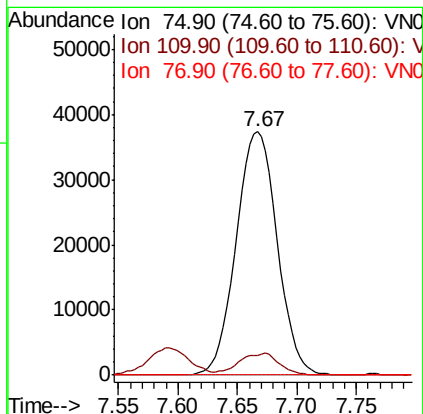
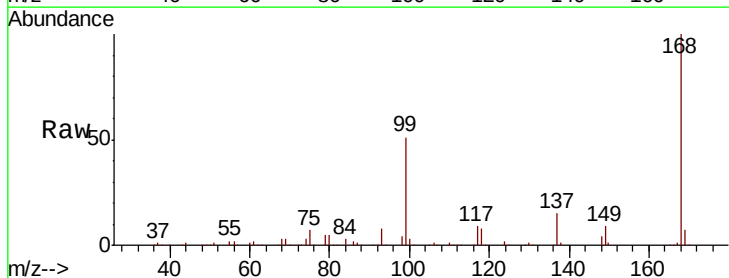
Instrument :
 MSVOA_N
 ClientSampled :

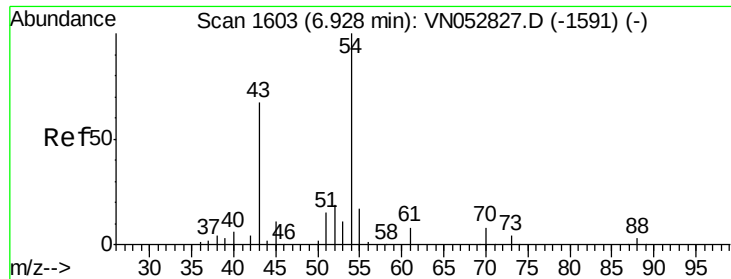
Tot Ion:113 Resp: 525612
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.0 124.4
 192 22.5 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.754 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052923.D
 Acq: 17 Dec 2018 13:24

Tgt Ion: 75 Resp: 89237
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.2 54.6#
 77 0.0 24.9 37.3#

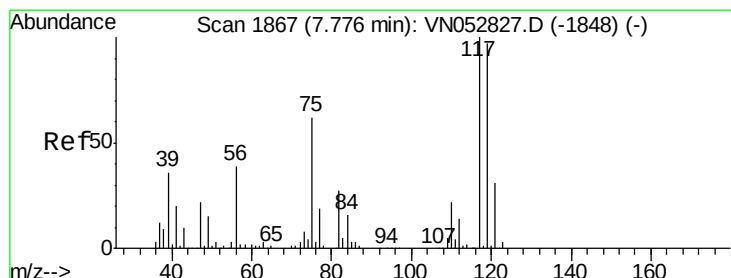
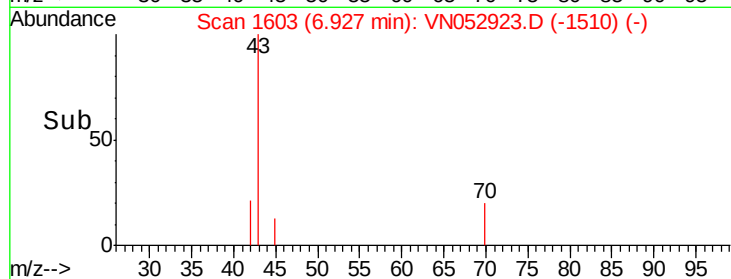
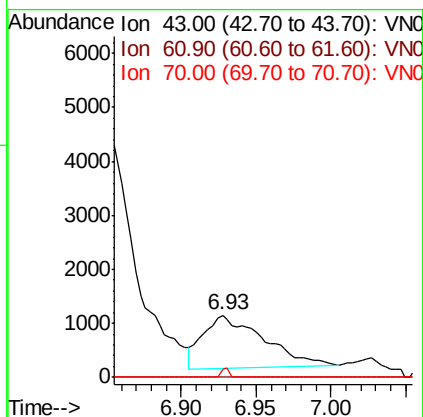
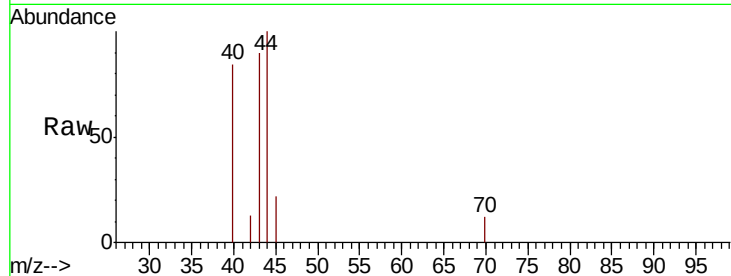




#37
Ethyl Acetate
Concen: 0.244 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052923.D
Acq: 17 Dec 2018 13:24

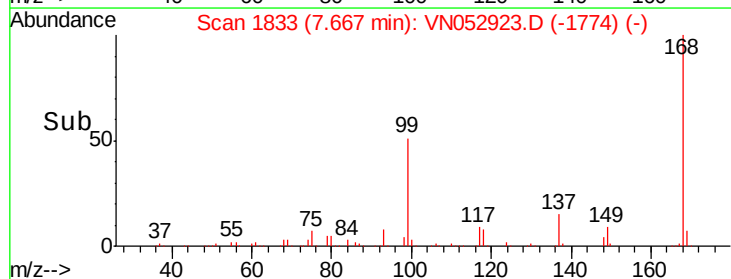
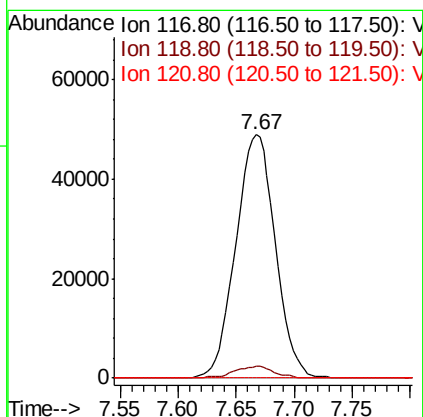
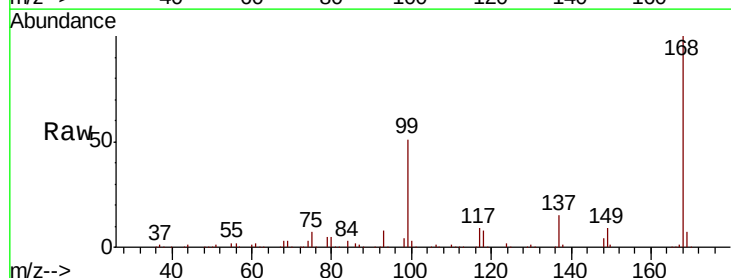
Instrument :
MSVOA_N
ClientSampleId :

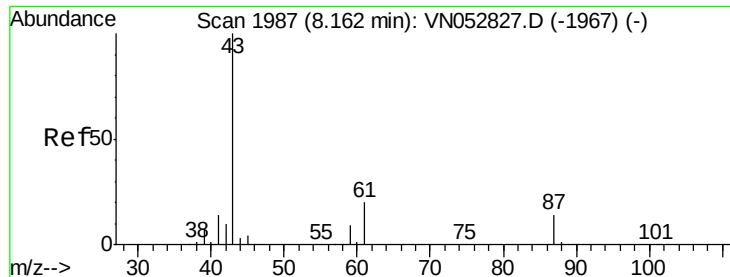
Tot Ion: 43 Resp: 2752
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 2.2 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.700 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052923.D
Acq: 17 Dec 2018 13:24

Tgt Ion: 117 Resp: 115763
Ion Ratio Lower Upper
117 100
119 4.9 77.1 115.7#
121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 0.685 ug/l

RT: 8.20 min Scan# 2000

Delta R.T. 0.04 min

Lab File: VN052923.D

Acq: 17 Dec 2018 13:24

Instrument :

MSVOA_N

ClientSampled :

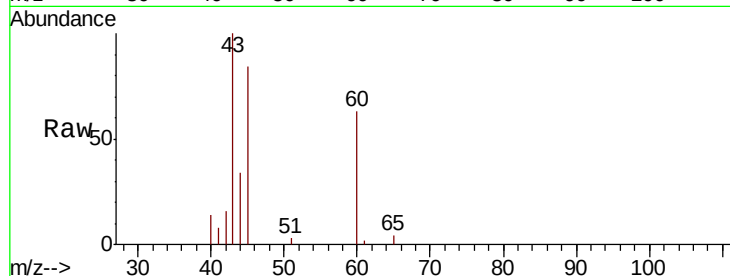
Tot Ion: 43 Resp: 15842

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

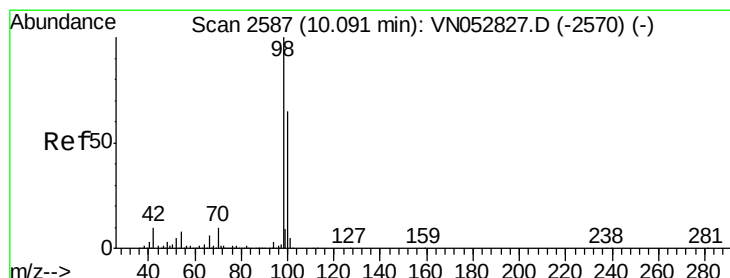
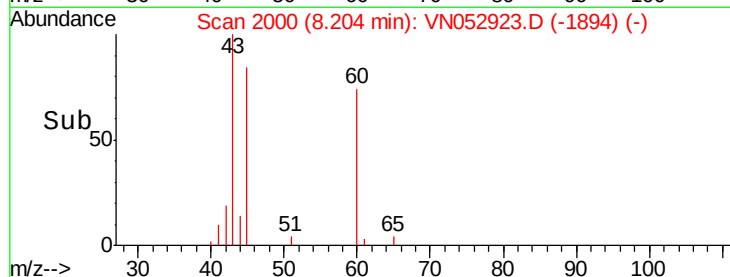
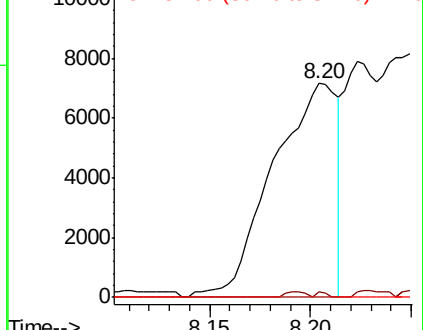
87 0.0 10.6 15.8#



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: VN052923.D

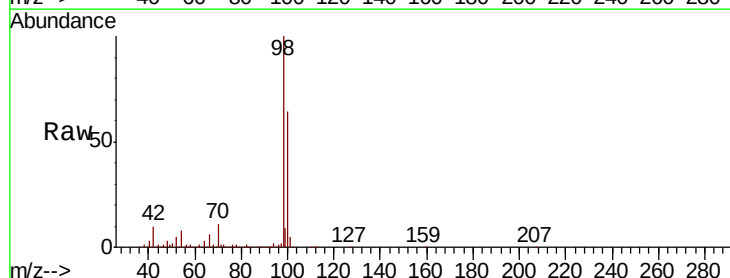
Acq: 17 Dec 2018 13:24

Tgt Ion: 98 Resp: 2522301

Ion Ratio Lower Upper

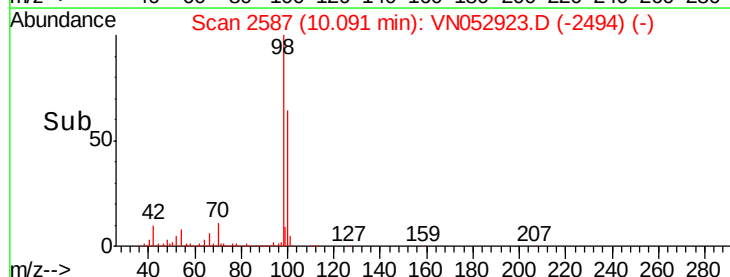
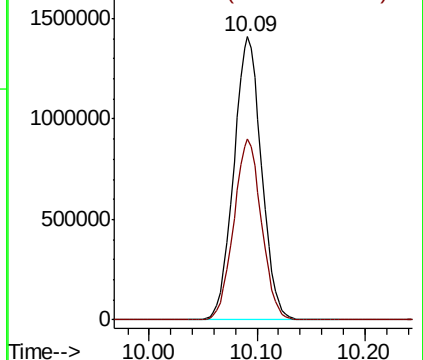
98 100

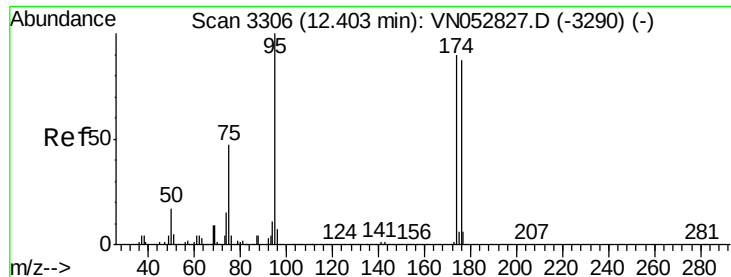
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN052923.D

Acq: 17 Dec 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

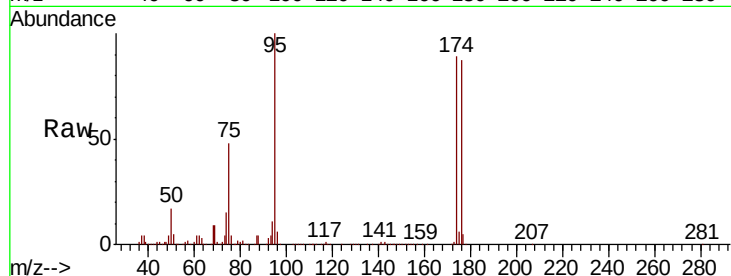
Tot Ion: 95 Resp: 808547

Ion Ratio Lower Upper

95 100

174 88.3 0.0 178.8

176 86.1 0.0 173.8

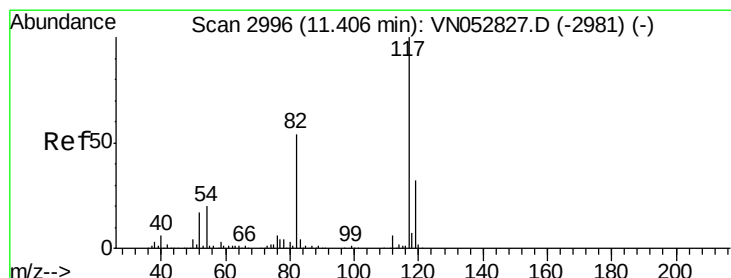
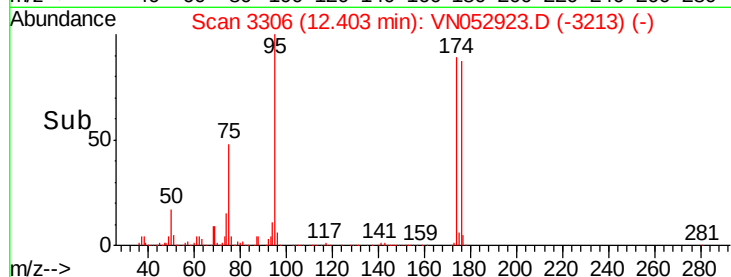


Abundance Ion 94.90 (94.60 to 95.60): VN052827.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052827.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052827.D (-3290) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN052923.D

Acq: 17 Dec 2018 13:24

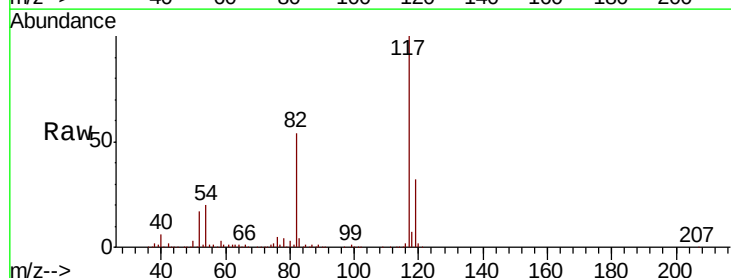
Tgt Ion: 117 Resp: 1811141

Ion Ratio Lower Upper

117 100

82 54.1 42.8 64.2

119 32.2 25.5 38.3

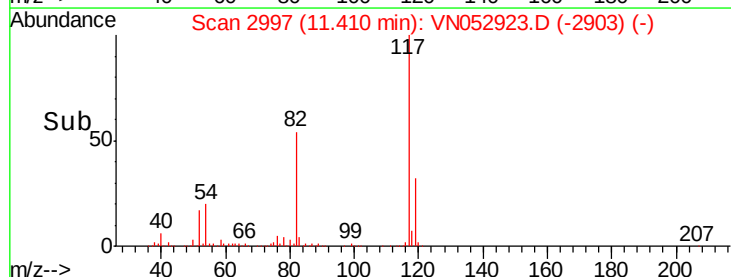


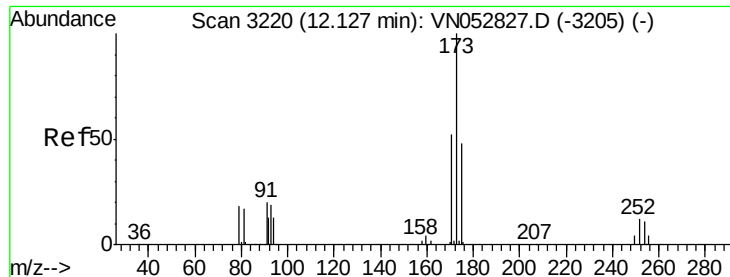
Abundance Ion 116.90 (116.60 to 117.60): VN052827.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052827.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052827.D (-2981) (-)

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.530 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052923.D

Acq: 17 Dec 2018 13:24

Instrument :

MSVOA_N

ClientSampled :

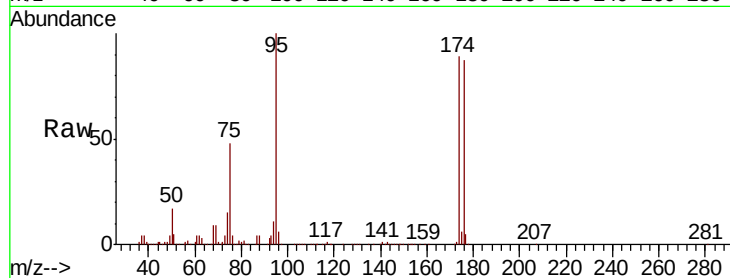
Tot Ion:173 Resp: 4703

Ion Ratio Lower Upper

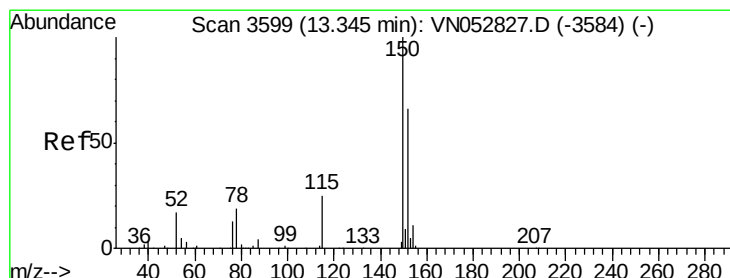
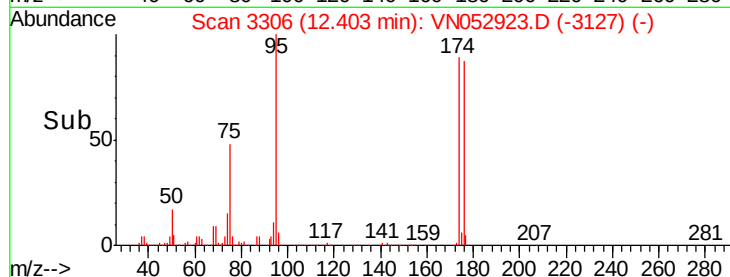
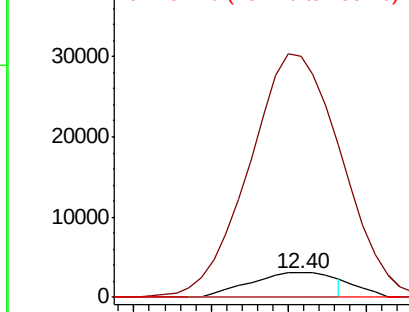
173 100

175 936.1 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: VN052923.D

Acq: 17 Dec 2018 13:24

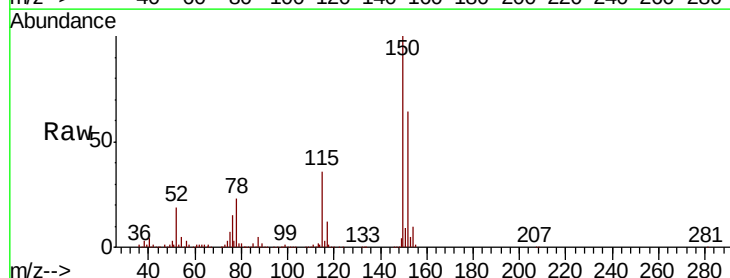
Tgt Ion:152 Resp: 695516

Ion Ratio Lower Upper

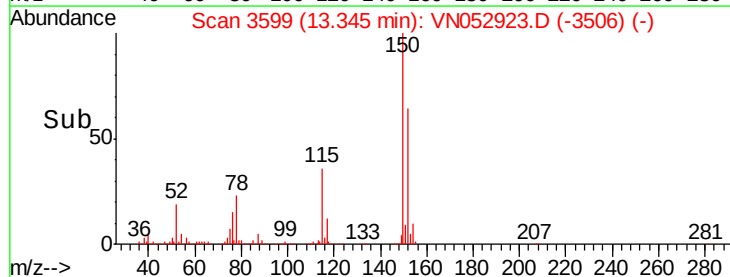
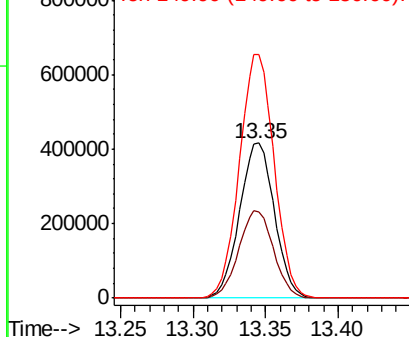
152 100

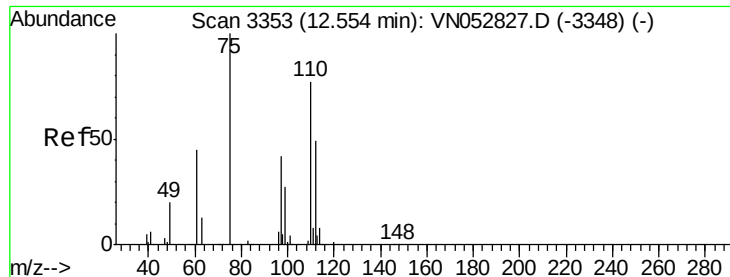
115 56.3 28.3 85.0

150 157.0 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: 37.350 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052923.D

Acq: 17 Dec 2018 13:24

Instrument :

MSVOA_N

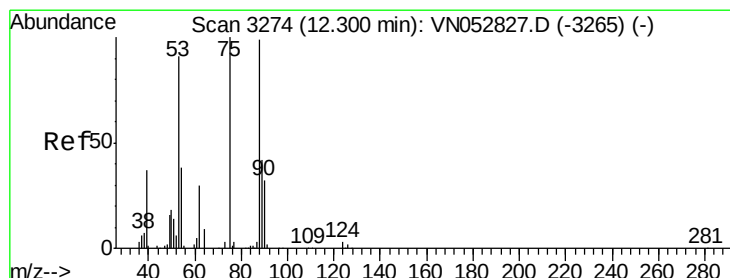
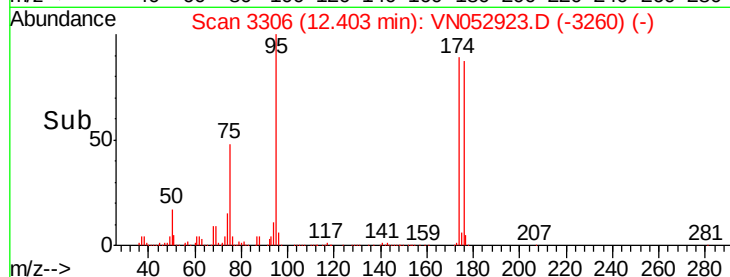
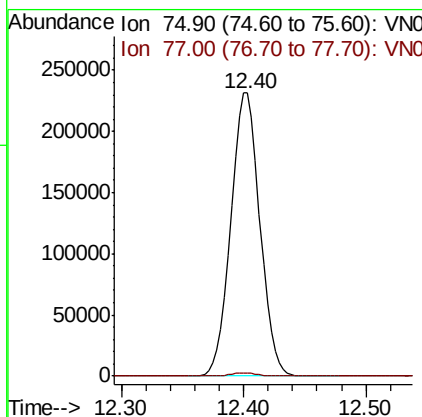
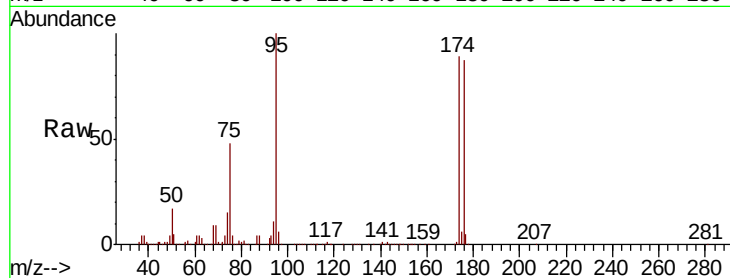
ClientSampleId :

Tot Ion: 75 Resp: 383267

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.986 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052923.D

Acq: 17 Dec 2018 13:24

Tgt Ion: 75 Resp: 383267

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#

