

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052922.D
 Acq On : 17 Dec 2018 12:57
 Operator : MD\SY
 Sample : J6437-05 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 04:43:41 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	1250950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1918430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1758286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	790437	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	628445	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
35) Dibromofluoromethane	7.59	113	484563	45.25	ug/l	0.00
Spiked Amount			Recovery	=	90.50%	
50) Toluene-d8	10.09	98	2379277	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.40	95	831029	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	6400	8.611	ug/l #	83
16) Acetone	3.82	43	149679	50.104	ug/l	98
18) Methyl Acetate	4.33	43	26374	2.406	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	11898	0.381	ug/l	97
20) Methylene Chloride	4.55	84	3203	0.238	ug/l #	83
22) Diisopropyl ether	5.96	45	14284	0.356	ug/l #	1
25) 2-Butanone	6.84	43	31667	6.832	ug/l	97
31) Cyclohexane	7.66	56	22091	0.405	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	83739	4.740	ug/l #	48
37) Ethyl Acetate	6.84	43	31667	2.984	ug/l #	68
38) Carbon Tetrachloride	7.67	117	107523	6.612	ug/l #	16
40) Benzene	8.05	78	60675	1.144	ug/l	97
43) Isopropyl Acetate	8.27	43	59732	2.745	ug/l #	54
48) Methyl methacrylate	9.17	41	7557	0.792	ug/l #	38
49) 1,4-Dioxane	9.20	88	1219	11.254	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	15412	1.545	ug/l	93
52) Toluene	10.16	92	420619	13.098	ug/l	99
53) t-1,3-Dichloropropene	10.24	75	8375	0.498	ug/l #	43
59) 2-Hexanone	10.76	43	6906	1.010	ug/l	73
67) Ethyl Benzene	11.51	91	204768	3.269	ug/l	98
68) m/p-Xylenes	11.62	106	411252	17.484	ug/l	100
69) o-Xylene	11.95	106	151950	6.615	ug/l	98
71) Bromoform	12.40	173	5332	0.619	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.54	83	3142	0.238	ug/l #	25
76) 1,2,3-Trichloropropane	12.40	75	391277	33.551	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	34796	0.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	391277	107.784	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	107365	2.226	ug/l	98
85) sec-Butylbenzene	13.04	105	107365	1.886	ug/l #	56
90) Hexachloroethane	13.89	117	7536	0.913	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	750	0.376	ug/l #	1
95) Naphthalene	15.13	128	43366	1.501	ug/l	99

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QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

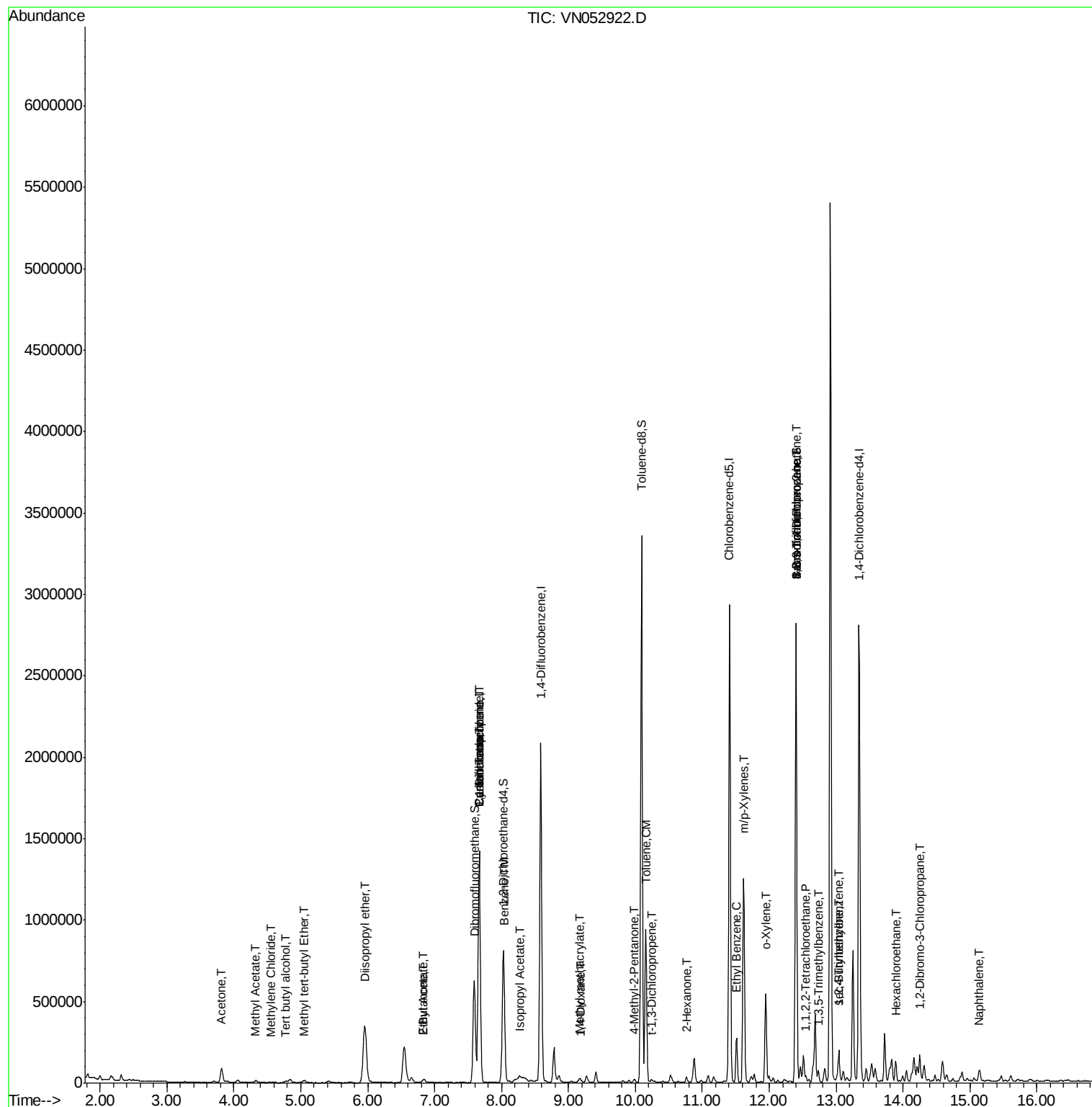
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

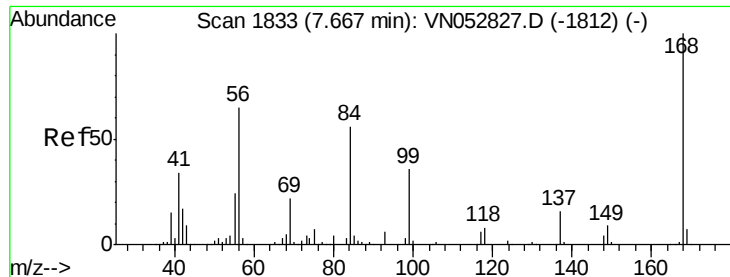
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

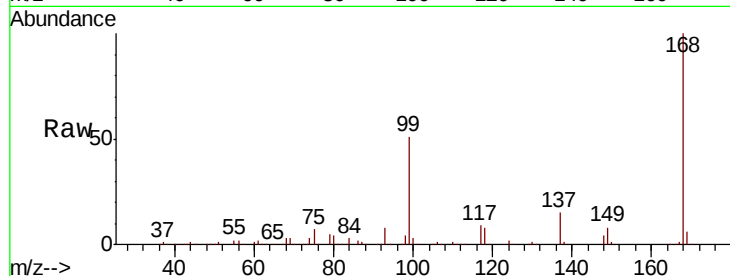
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1250950

Ion Ratio Lower Upper

168 100

99 50.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

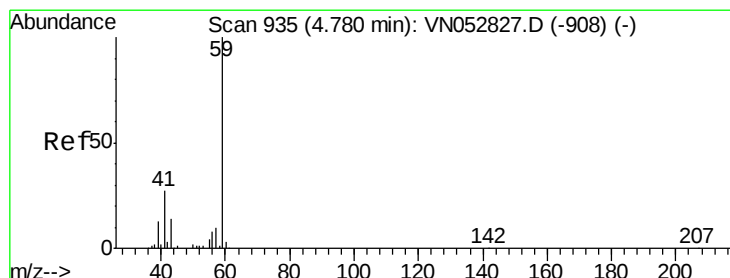
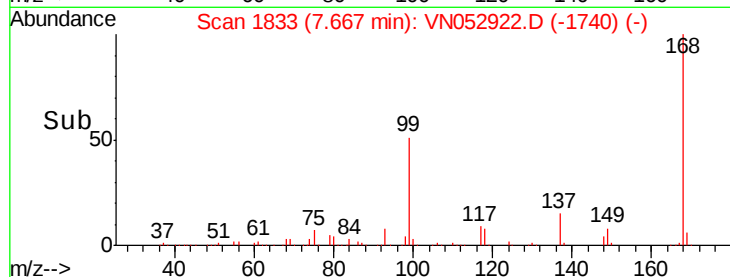
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 8.611 ug/l

RT: 4.77 min Scan# 931

Delta R.T. -0.01 min

Lab File: VN052922.D

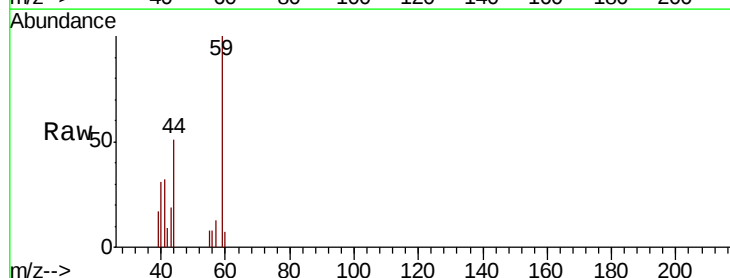
Acq: 17 Dec 2018 12:57

Tgt Ion: 59 Resp: 6400

Ion Ratio Lower Upper

59 100

57 15.7 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.77

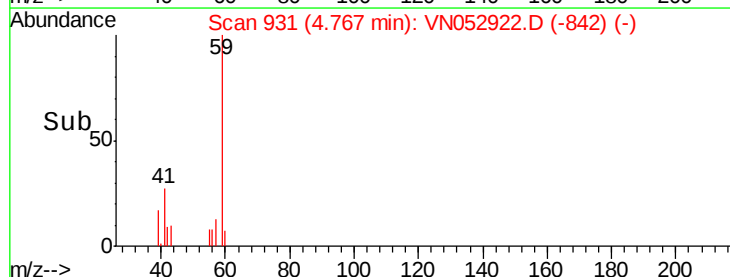
3000

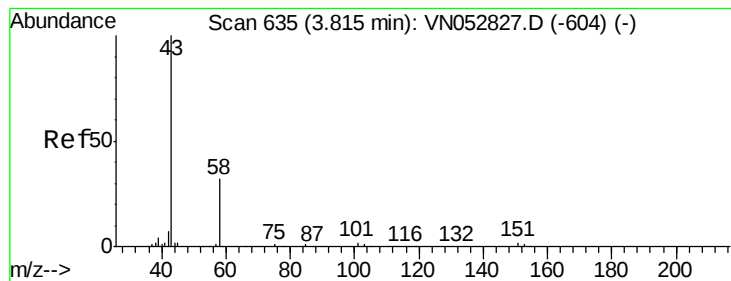
2000

1000

0

Time-->





#16

Acetone

Concen: 50.104 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

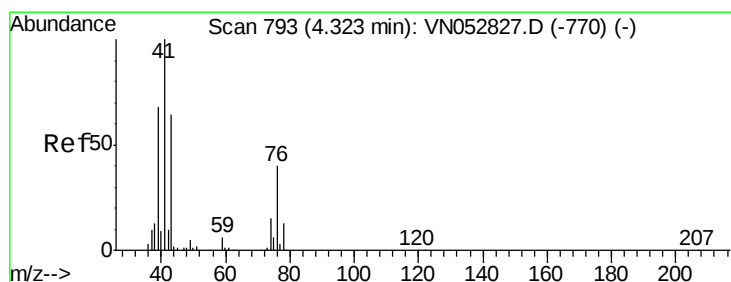
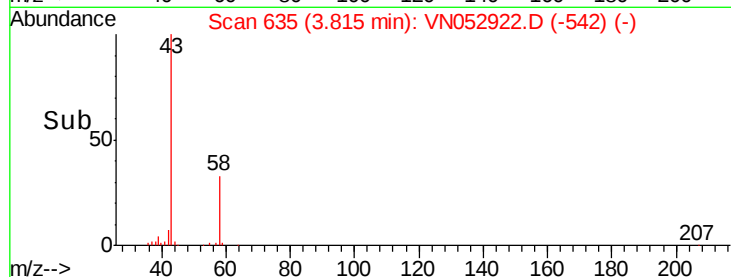
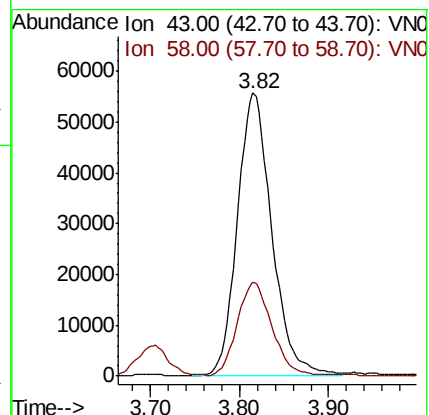
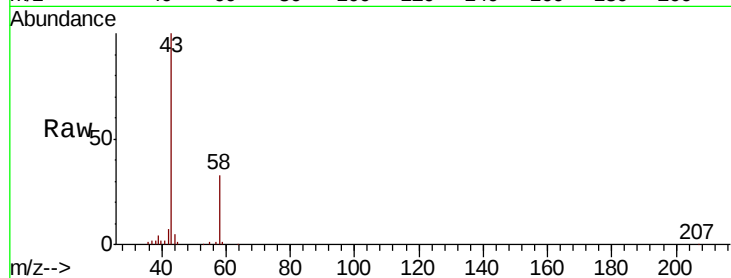
ClientSampleId :

Tot Ion: 43 Resp: 149679

Ion Ratio Lower Upper

43 100

58 32.6 25.4 38.0



#18

Methyl Acetate

Concen: 2.406 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN052922.D

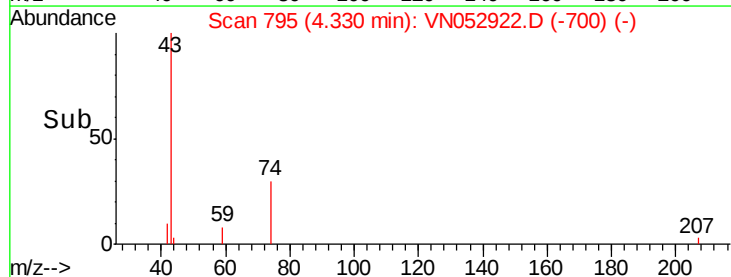
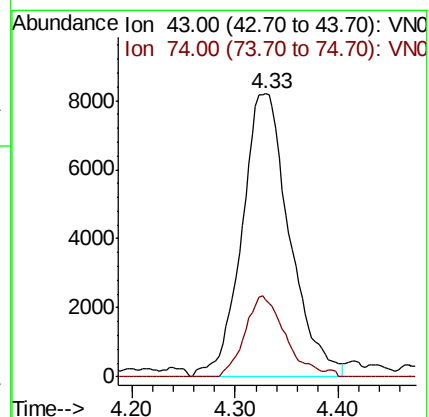
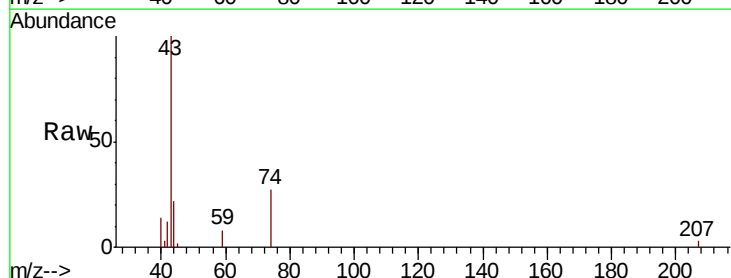
Acq: 17 Dec 2018 12:57

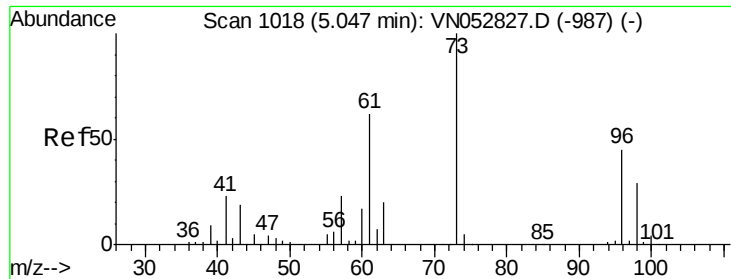
Tgt Ion: 43 Resp: 26374

Ion Ratio Lower Upper

43 100

74 24.0 19.2 28.8

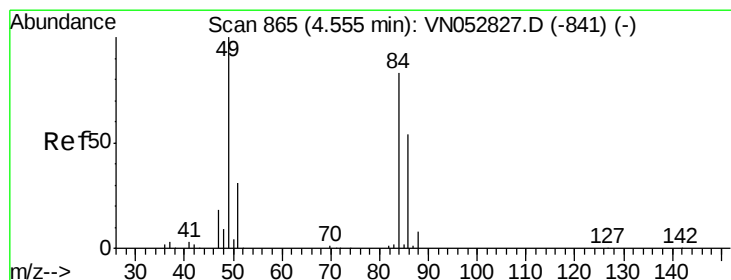
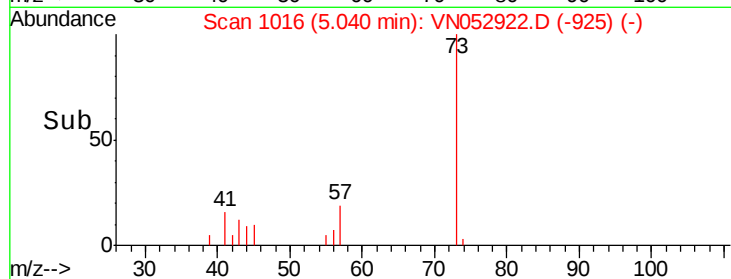
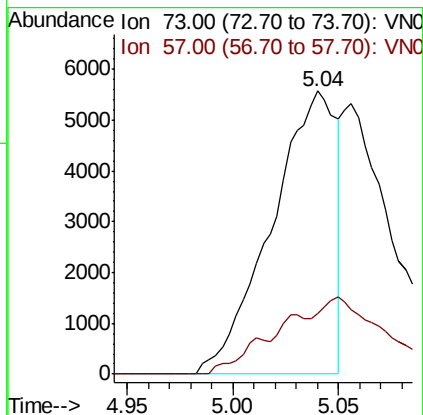
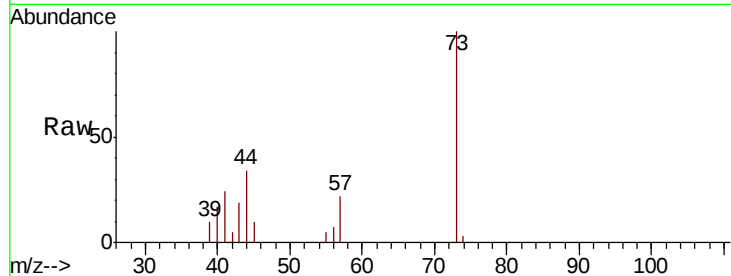




#19
Methyl tert-butyl Ether
Concen: 0.381 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

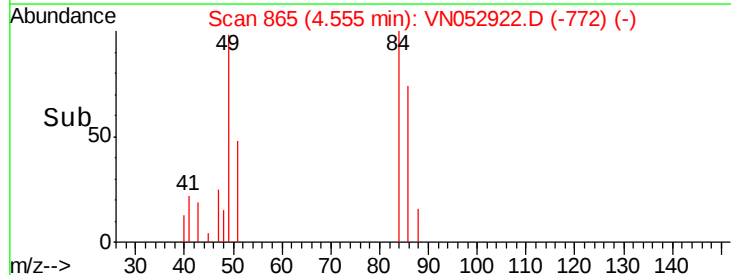
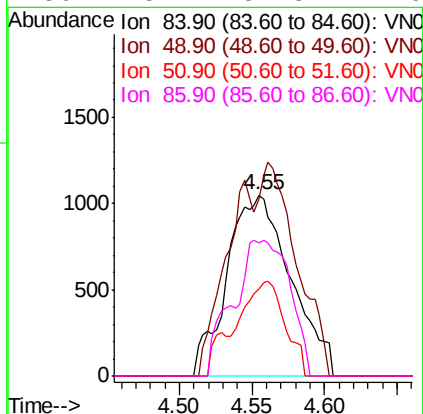
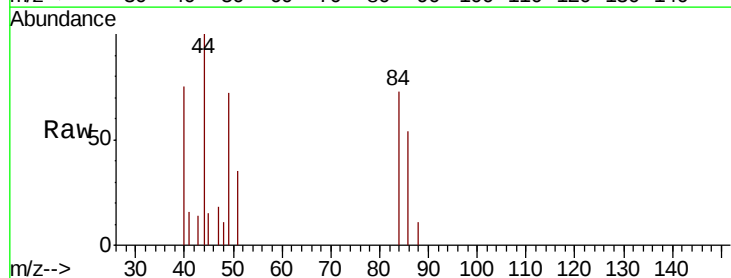
Instrument :
MSVOA_N
ClientSampleId :

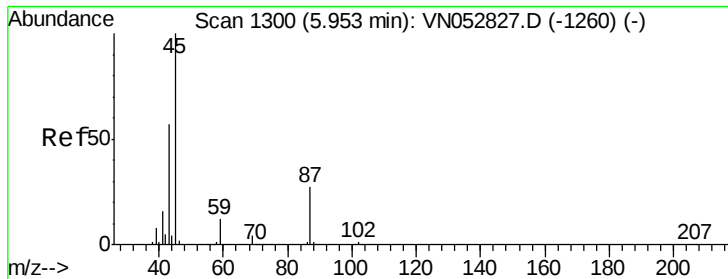
Tot Ion: 73 Resp: 11898
Ion Ratio Lower Upper
73 100
57 21.6 18.4 27.6



#20
Methylene Chloride
Concen: 0.238 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Tgt Ion: 84 Resp: 3203
Ion Ratio Lower Upper
84 100
49 98.0 96.8 145.2
51 48.2 29.9 44.9#
86 73.7 51.8 77.6

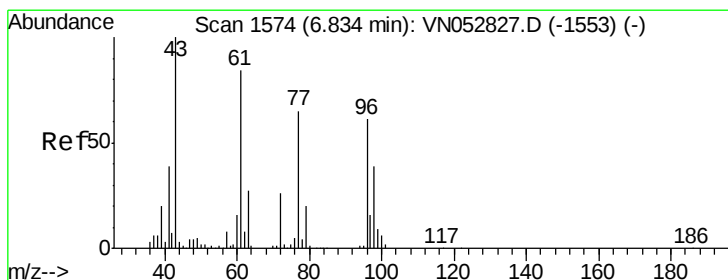
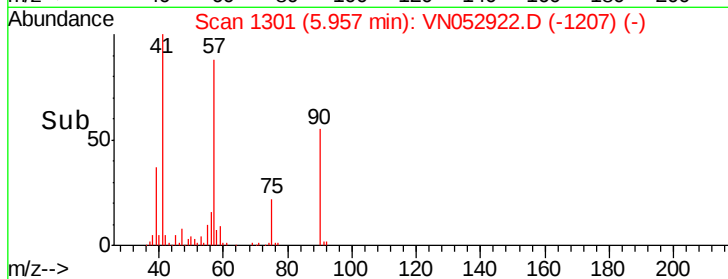
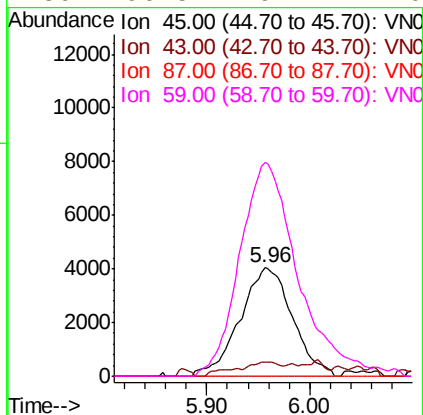
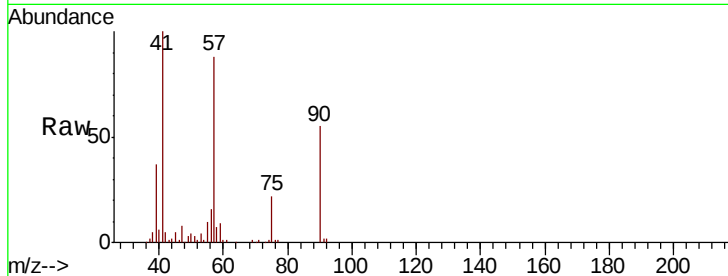




#22
Diisopropyl ether
Concen: 0.356 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

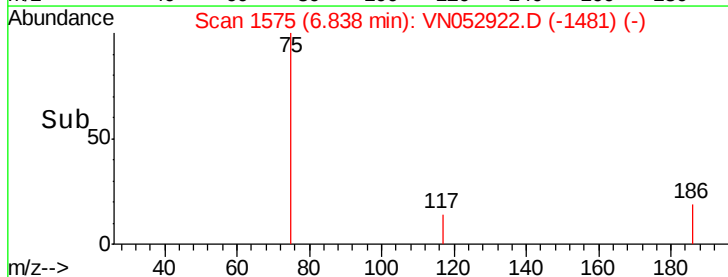
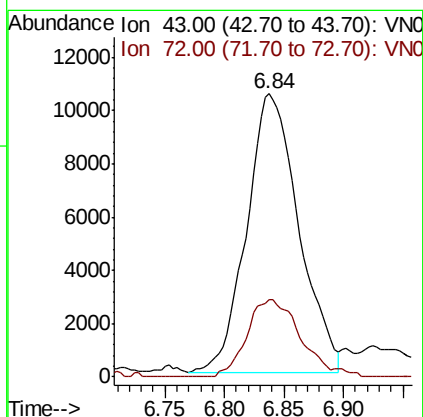
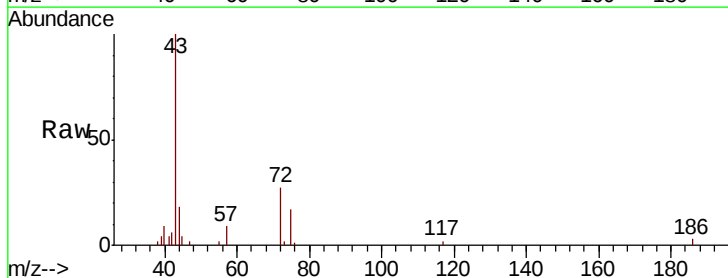
Instrument :
MSVOA_N
ClientSampled :

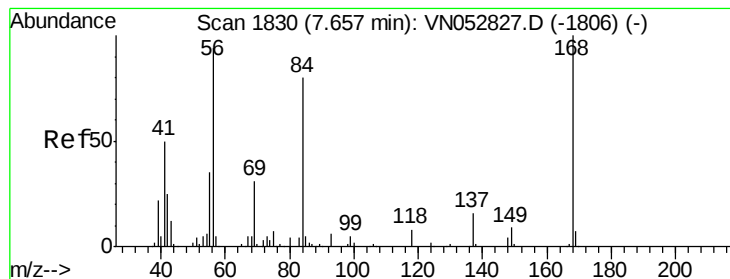
Tot Ion	Ratio	Lower	Upper
45	100		
43	8.6	45.5	68.3#
87	0.0	22.0	33.0#
59	196.5	9.4	14.0#



#25
2-Butanone
Concen: 6.832 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.0	31.6





#31

Cyclohexane

Concen: 0.405 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampled :

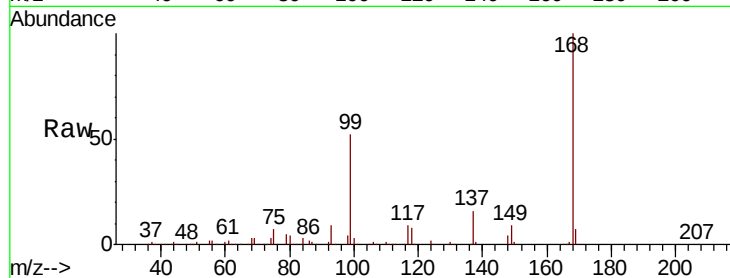
Tot Ion: 56 Resp: 22091

Ion Ratio Lower Upper

56 100

69 171.6 26.6 39.8#

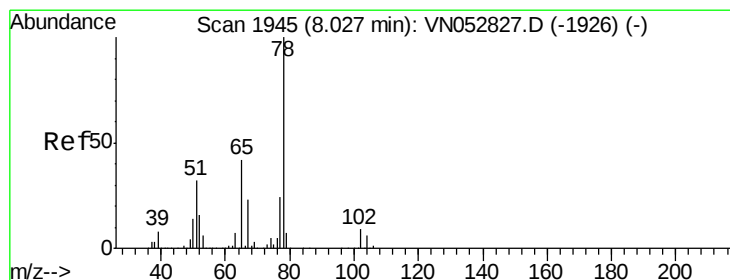
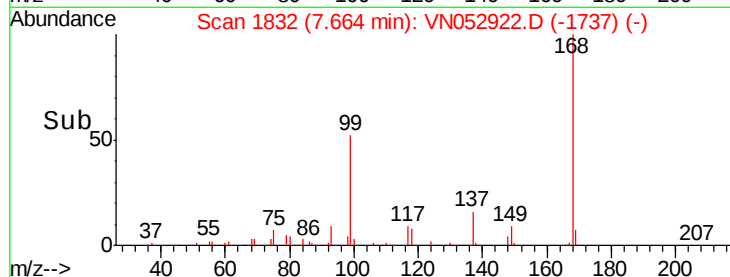
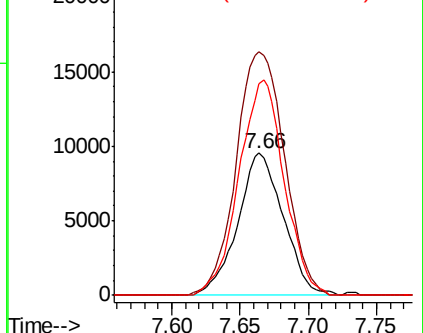
84 149.0 68.4 102.6#



Abundance Ion 56.00 (55.70 to 56.70): VN052922.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN052922.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN052922.D (-1806) (-)



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052922.D

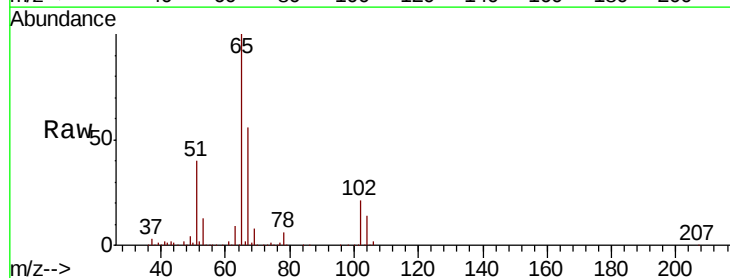
Acq: 17 Dec 2018 12:57

Tgt Ion: 65 Resp: 628445

Ion Ratio Lower Upper

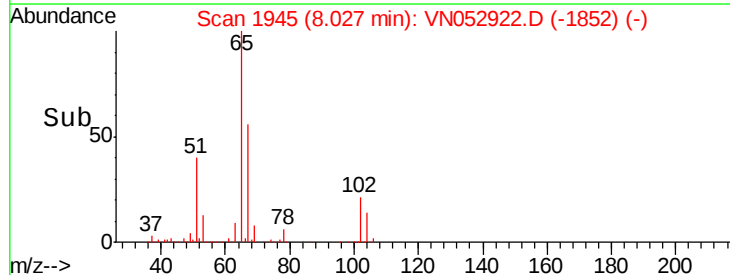
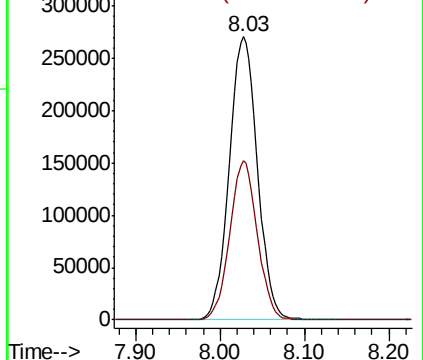
65 100

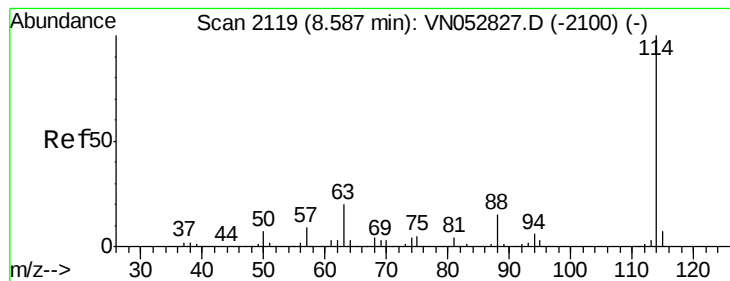
67 54.9 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN052922.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN052922.D (-1852) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

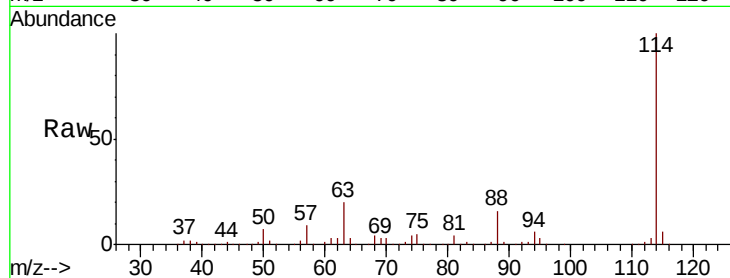
Tot Ion:114 Resp: 1918430

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

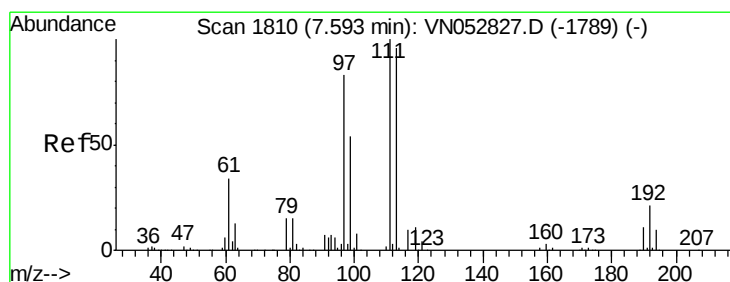
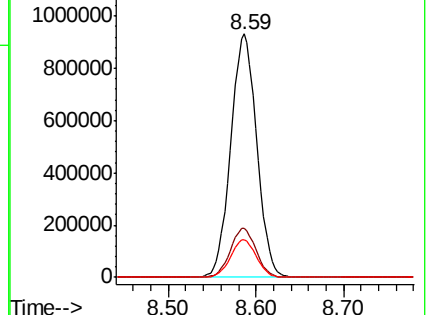
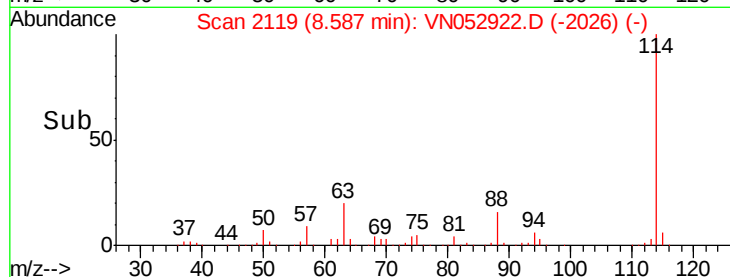
88 15.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

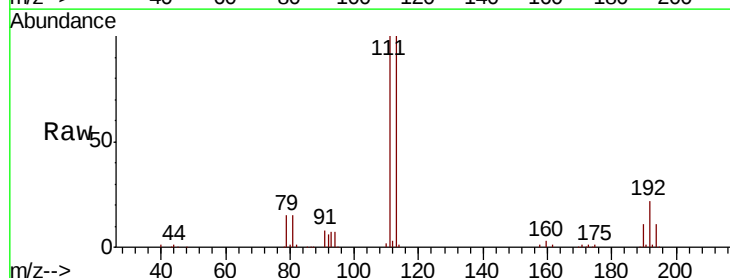
Tgt Ion:113 Resp: 484563

Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.4

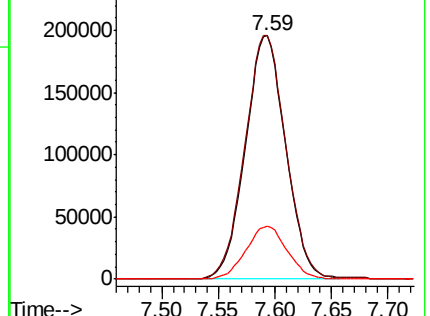
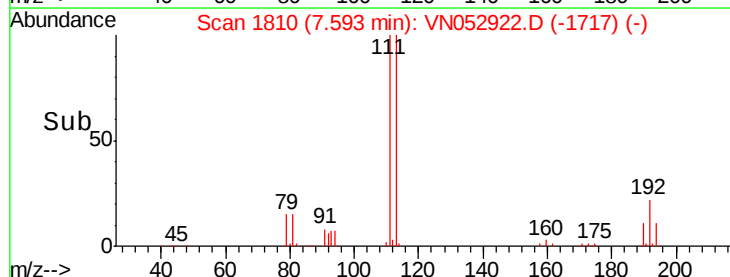
192 22.2 17.5 26.3

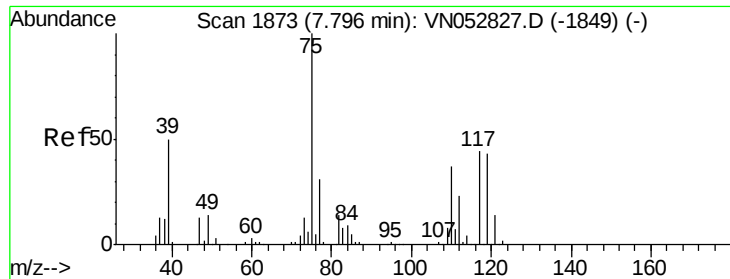


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

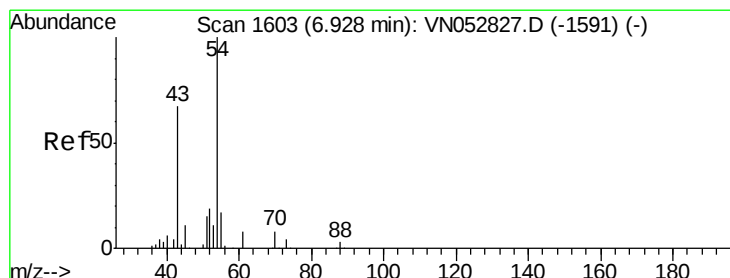
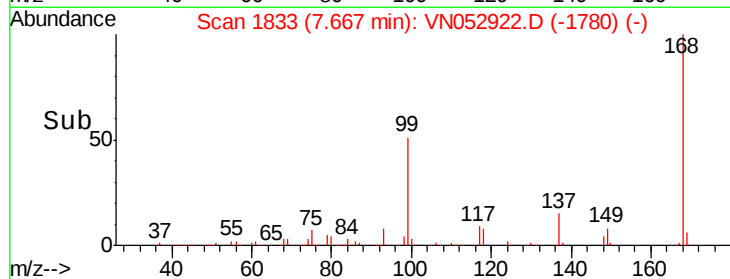
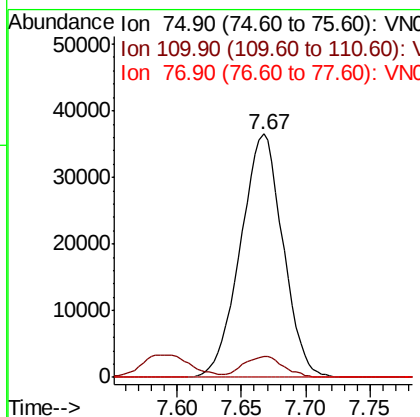
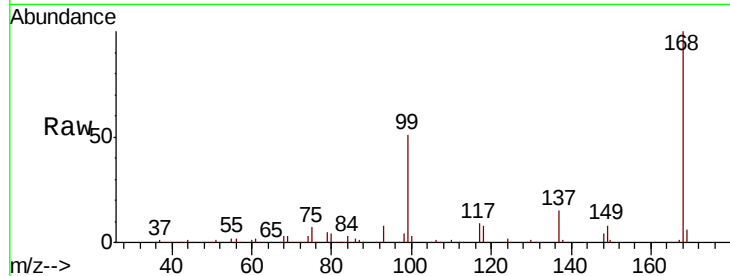




#36
 1,1-Dichloropropene
 Concen: 4.740 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052922.D
 Acq: 17 Dec 2018 12:57

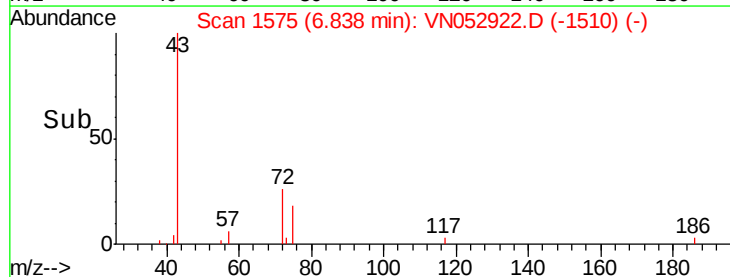
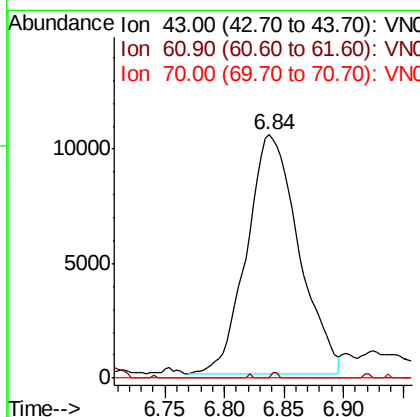
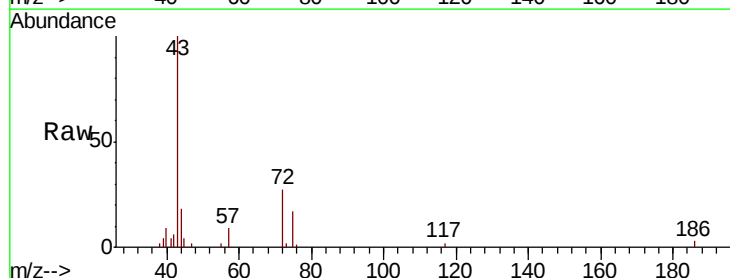
Instrument :
 MSVOA_N
 ClientSampled :

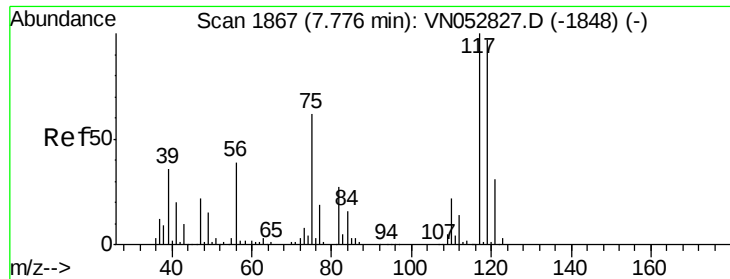
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.2	54.6#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 2.984 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.09 min
 Lab File: VN052922.D
 Acq: 17 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	8.4	12.6#

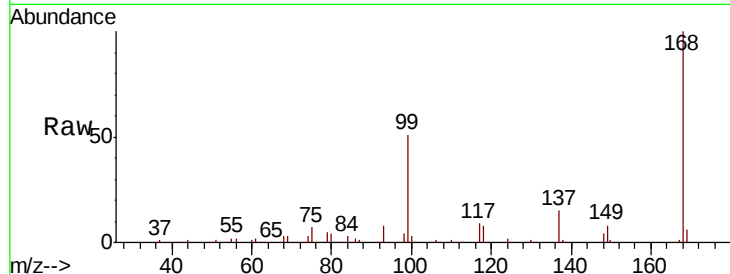




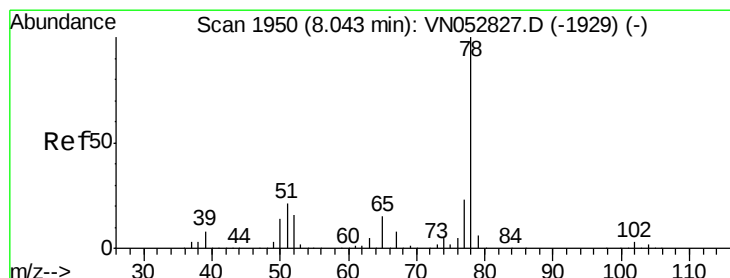
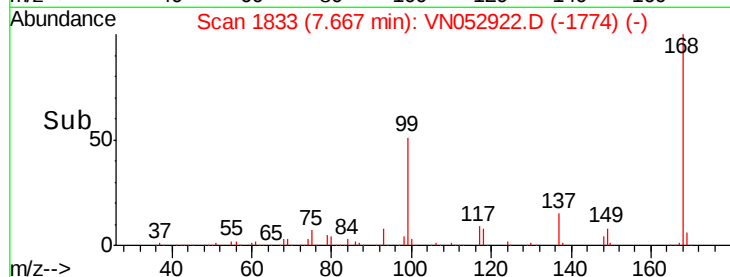
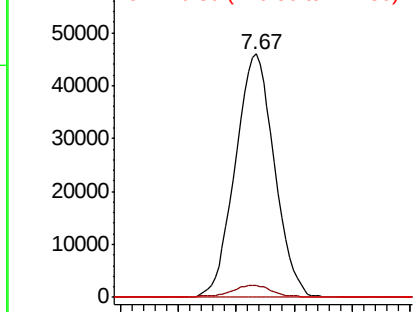
#38
 Carbon Tetrachloride
 Concen: 6.612 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052922.D
 Acq: 17 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:117 Resp: 107523
 Ion Ratio Lower Upper
 117 100
 119 4.9 77.1 115.7#
 121 0.0 24.9 37.3#

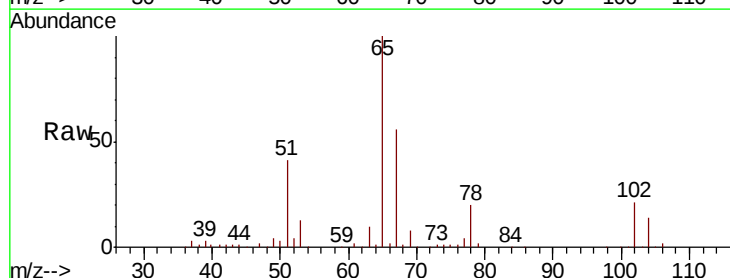


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

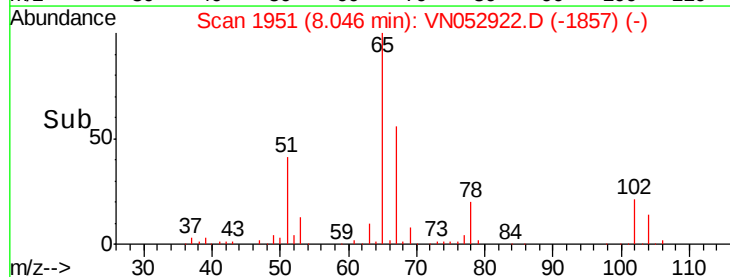
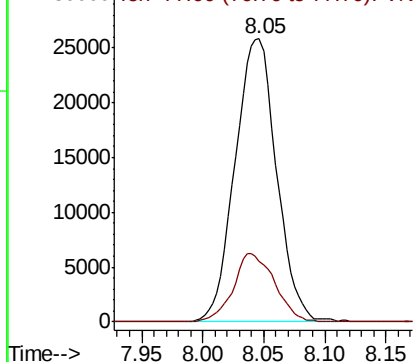


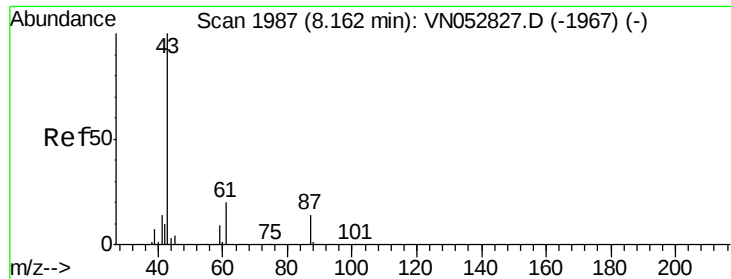
#40
 Benzene
 Concen: 1.144 ug/l
 RT: 8.05 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VN052922.D
 Acq: 17 Dec 2018 12:57

Tgt Ion: 78 Resp: 60675
 Ion Ratio Lower Upper
 78 100
 77 21.6 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): V
 Ion 77.00 (76.70 to 77.70): V





#43

Isopropyl Acetate

Concen: 2.745 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.11 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampled :

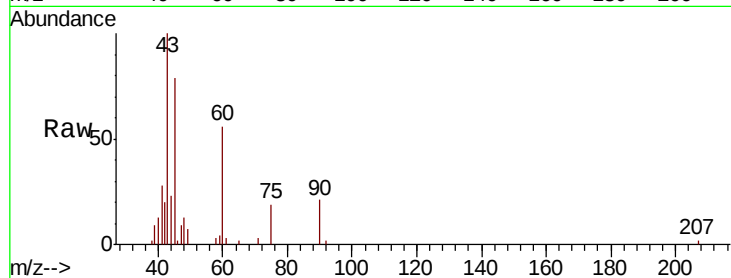
Tot Ion: 43 Resp: 59732

Ion Ratio Lower Upper

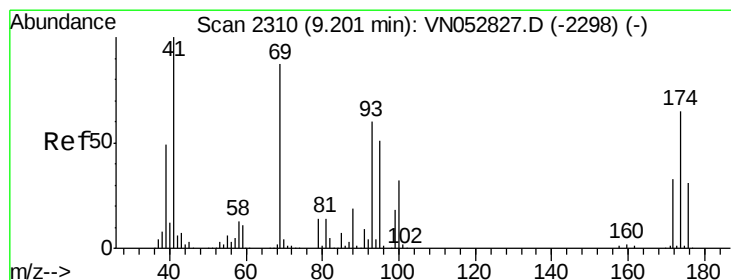
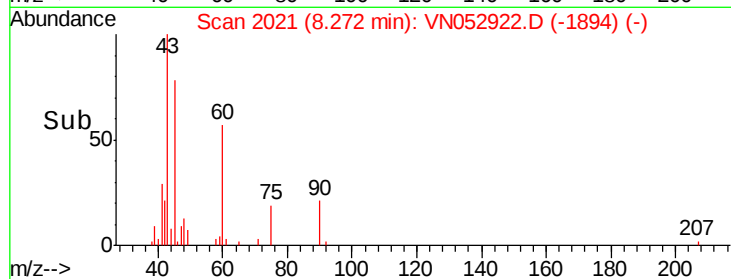
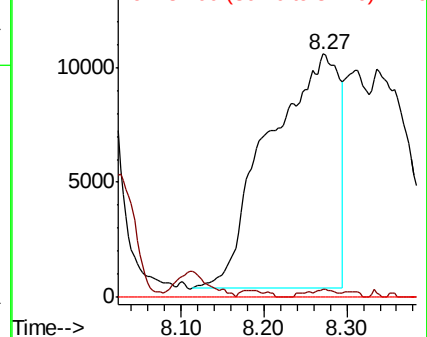
43 100

61 1.3 22.9 34.3#

87 0.0 10.6 15.8#



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



#48

Methyl methacrylate

Concen: 0.792 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.04 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

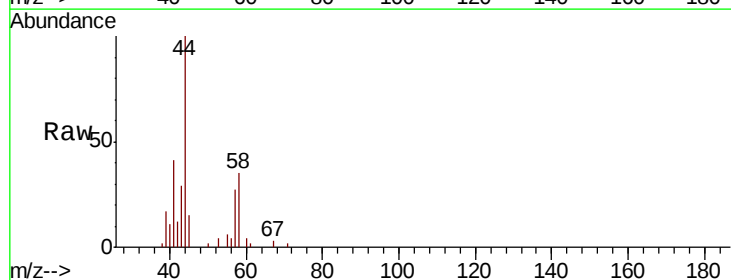
Tgt Ion: 41 Resp: 7557

Ion Ratio Lower Upper

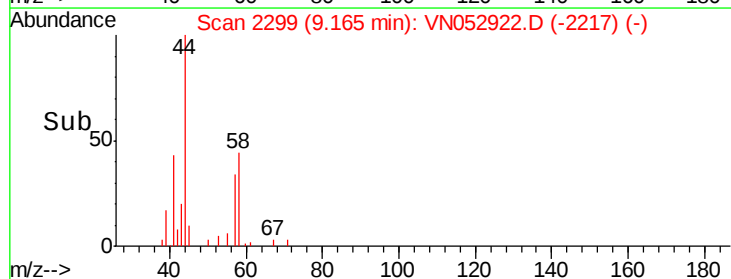
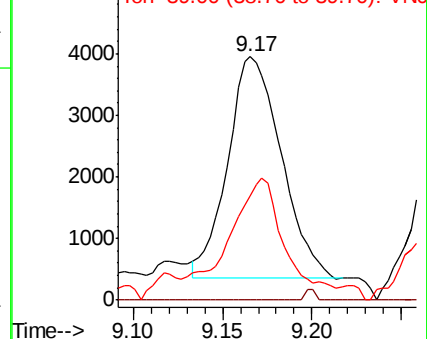
41 100

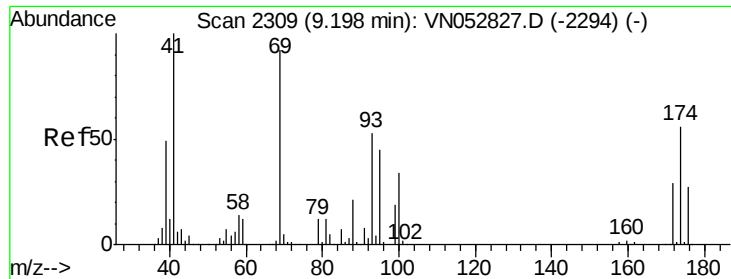
69 0.0 72.2 108.2#

39 50.0 41.9 62.9



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

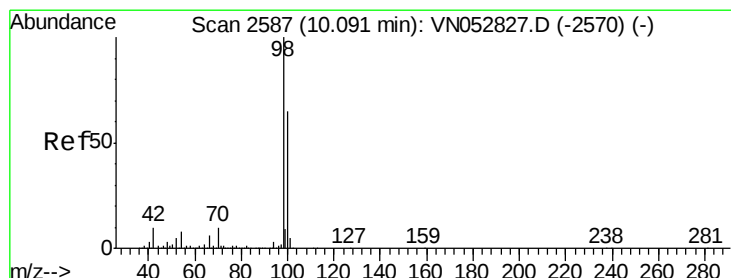
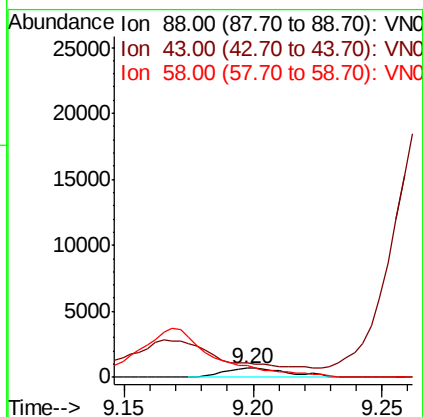
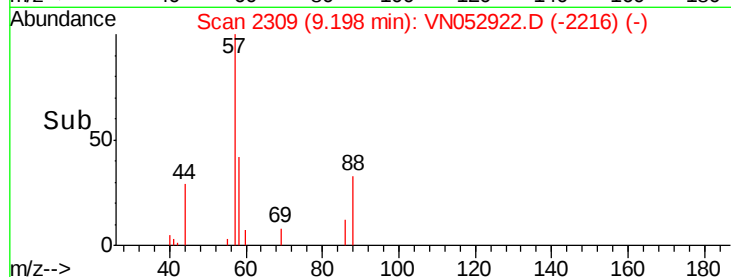
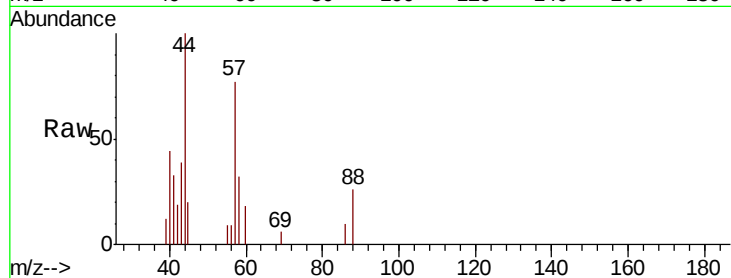




#49
 1,4-Dioxane
 Concen: 11.254 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN052922.D
 Acq: 17 Dec 2018 12:57

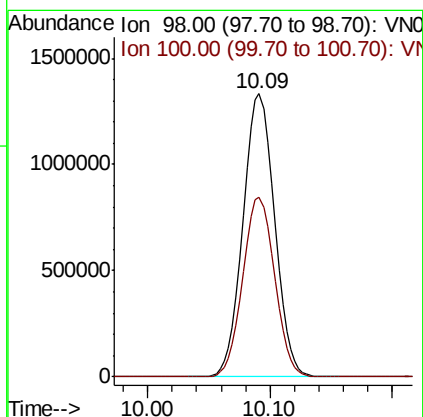
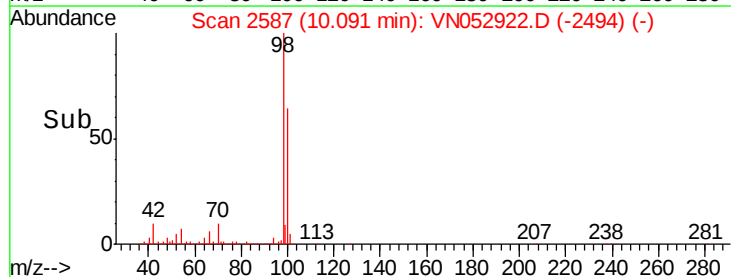
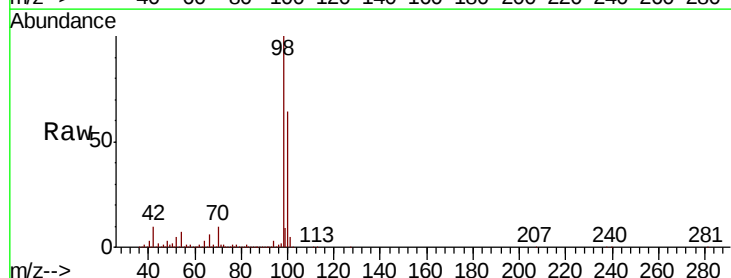
Instrument :
 MSVOA_N
 ClientSampleId :

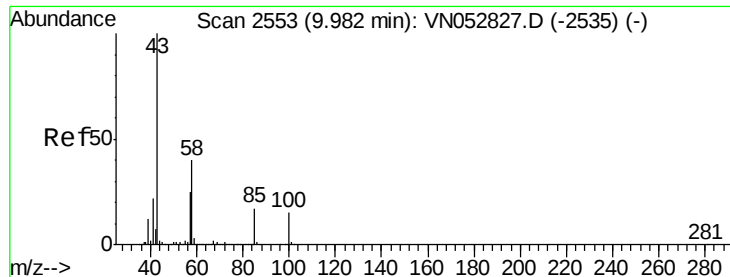
Tot Ion: 88 Resp: 1219
 Ion Ratio Lower Upper
 88 100
 43 0.0 26.6 40.0#
 58 0.0 58.4 87.6#



#50
 Toluene-d8
 Concen: 11.254 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN052922.D
 Acq: 17 Dec 2018 12:57

Tgt Ion: 98 Resp: 2379277
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.545 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

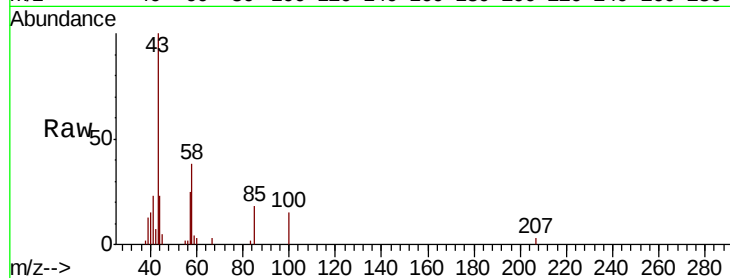
ClientSampleId :

Tot Ion: 43 Resp: 15412

Ion Ratio Lower Upper

43 100

58 36.0 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-2535) (-)

9.99

8000

6000

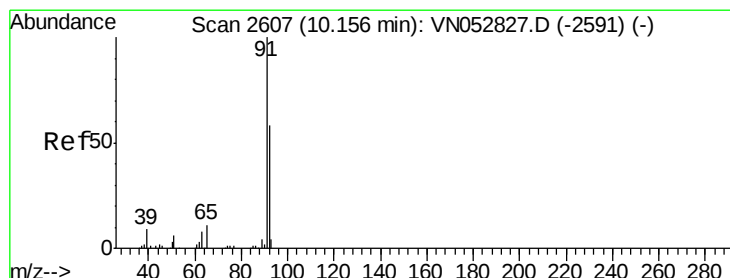
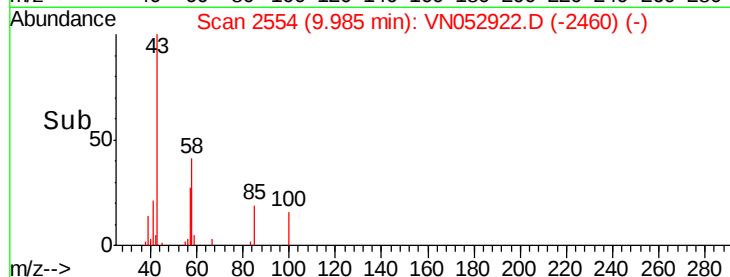
4000

2000

0

9.95 10.00 10.05

Time-->



#52

Toluene

Concen: 13.098 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052922.D

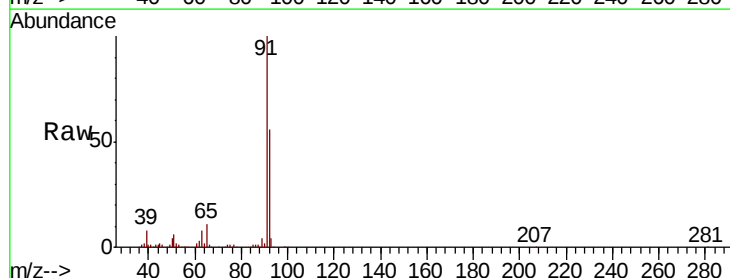
Acq: 17 Dec 2018 12:57

Tgt Ion: 92 Resp: 420619

Ion Ratio Lower Upper

92 100

91 175.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN052827.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052827.D (-2591) (-)

10.16

400000

300000

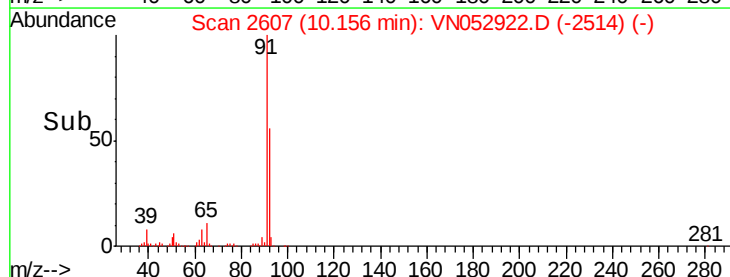
200000

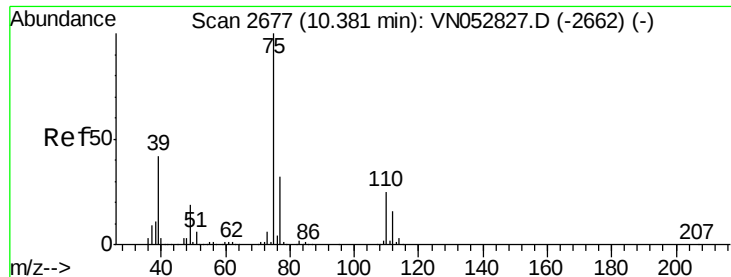
100000

0

10.10 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.498 ug/l

RT: 10.24 min Scan# 2633

Delta R.T. -0.14 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

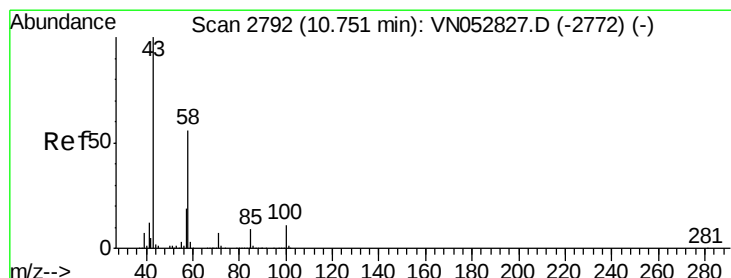
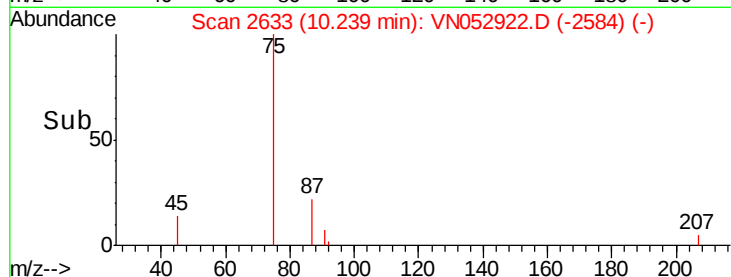
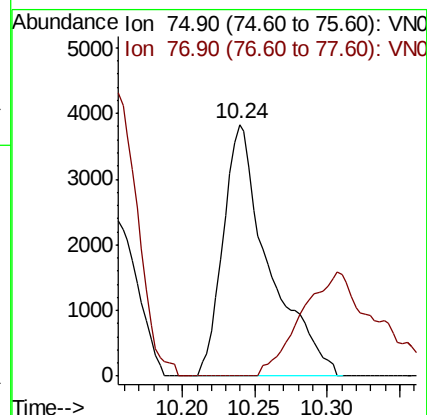
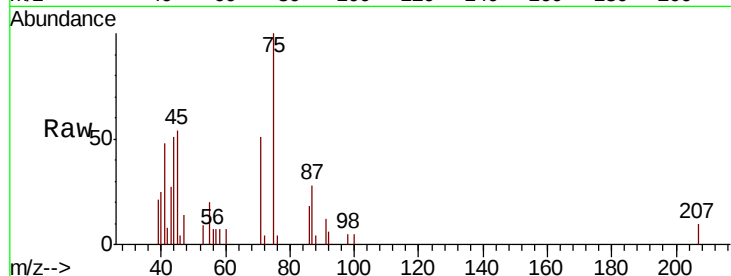
ClientSampled :

Tot Ion: 75 Resp: 8375

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 1.010 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN052922.D

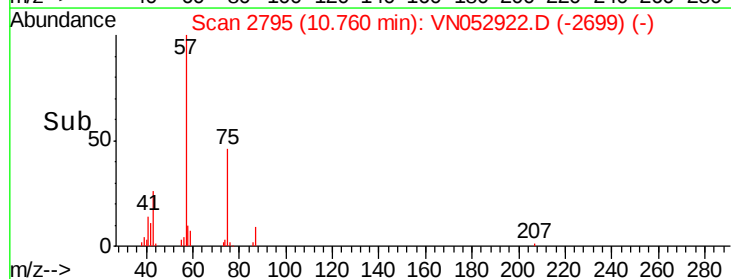
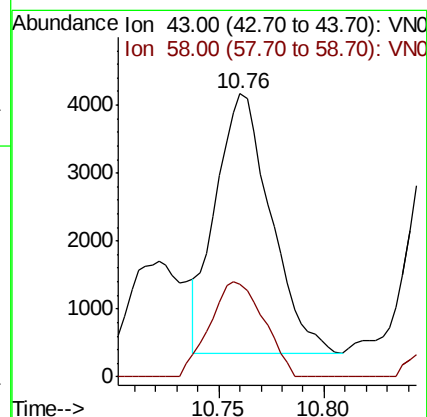
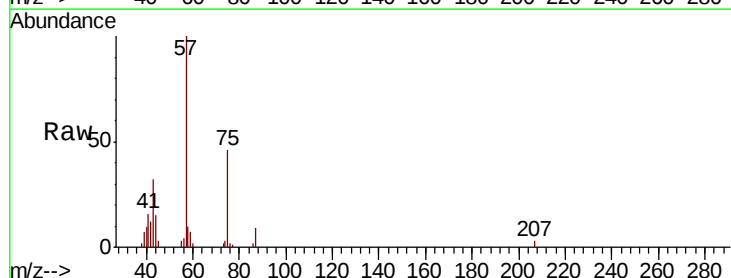
Acq: 17 Dec 2018 12:57

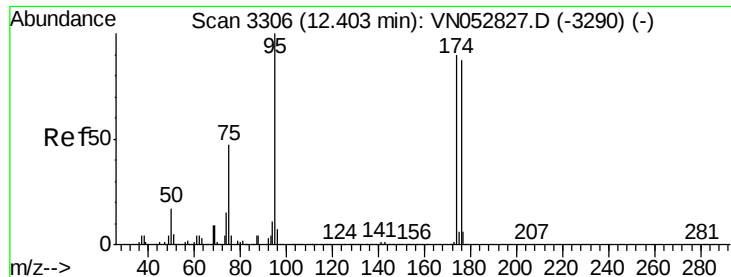
Tgt Ion: 43 Resp: 6906

Ion Ratio Lower Upper

43 100

58 36.2 28.1 84.3





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

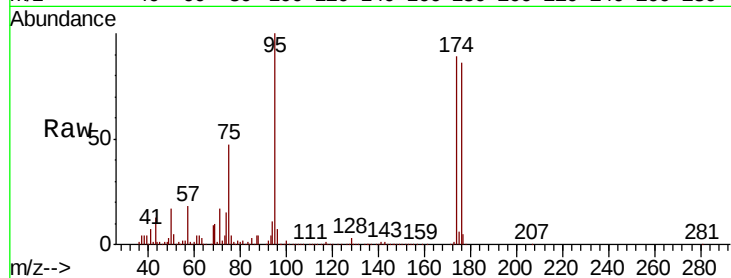
Tot Ion: 95 Resp: 831029

Ion Ratio Lower Upper

95 100

174 88.0 0.0 178.8

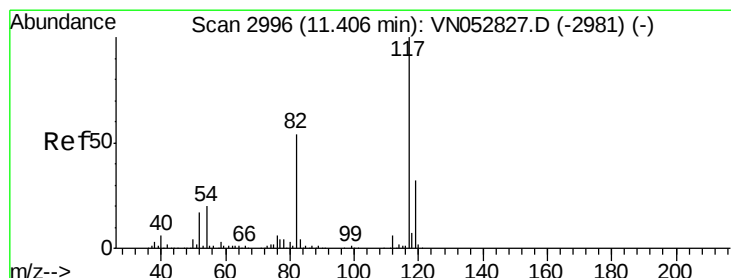
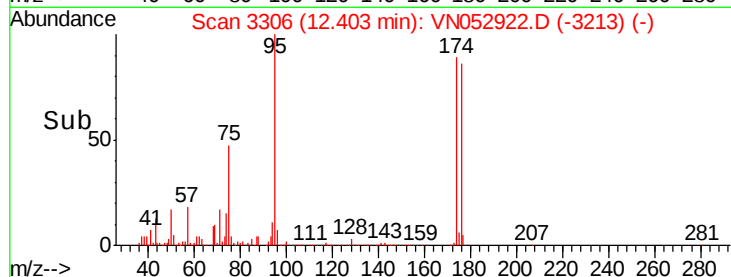
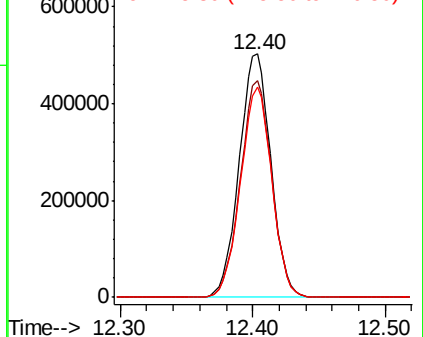
176 85.5 0.0 173.8



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

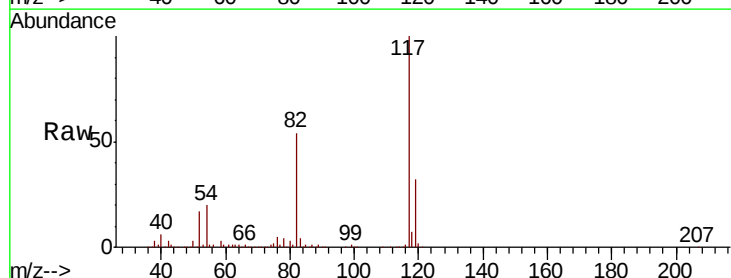
Tgt Ion: 117 Resp: 1758286

Ion Ratio Lower Upper

117 100

82 53.5 42.8 64.2

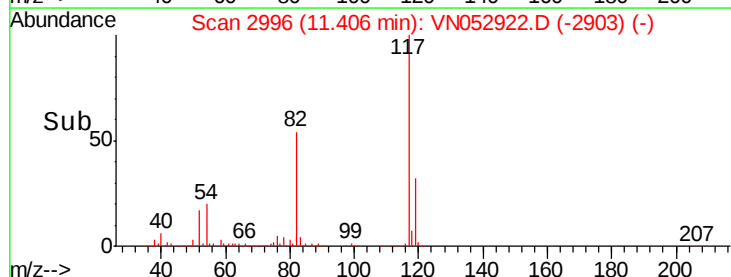
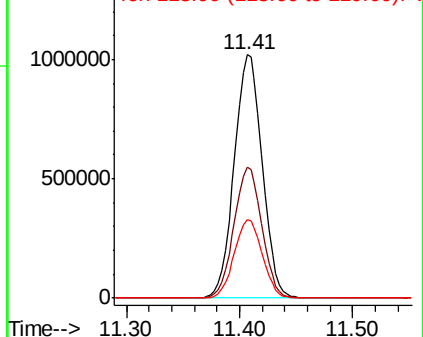
119 32.2 25.5 38.3

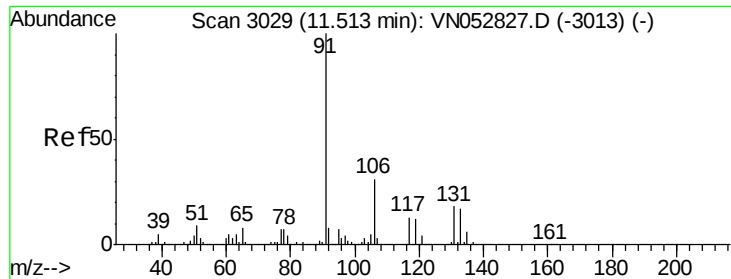


Abundance Ion 116.90 (116.60 to 117.60): VN052827.D (-2981) (-)

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

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





#67

Ethyl Benzene

Concen: 3.269 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

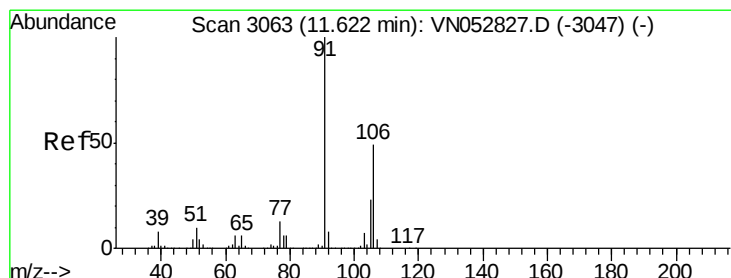
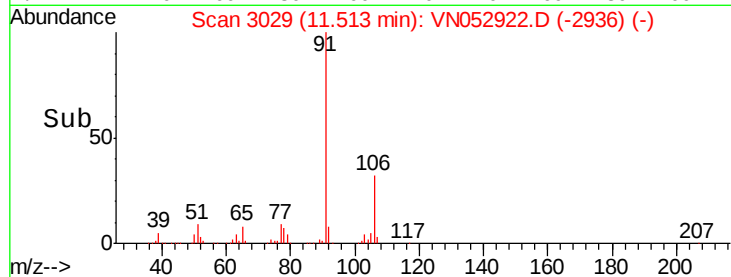
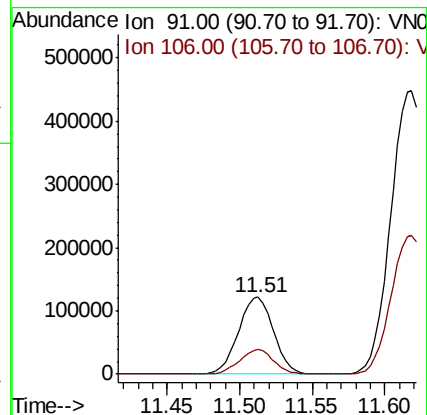
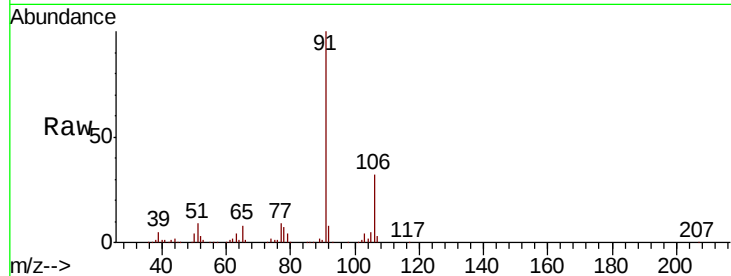
ClientSampled :

Tot Ion: 91 Resp: 204768

Ion Ratio Lower Upper

91 100

106 32.1 24.9 37.3



#68

m/p-Xylenes

Concen: 17.484 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052922.D

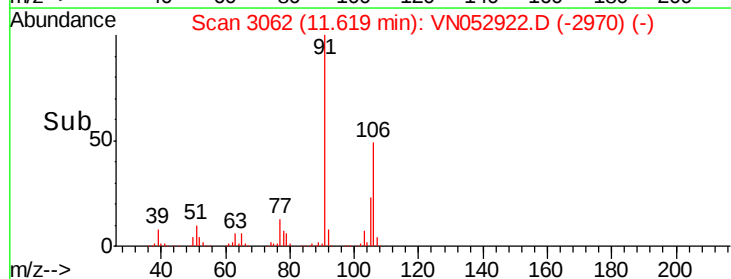
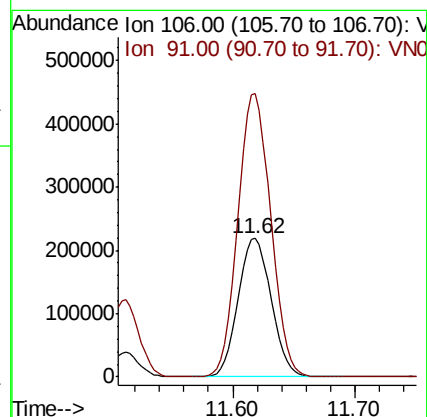
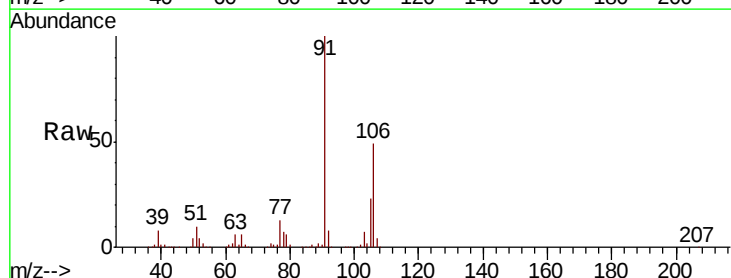
Acq: 17 Dec 2018 12:57

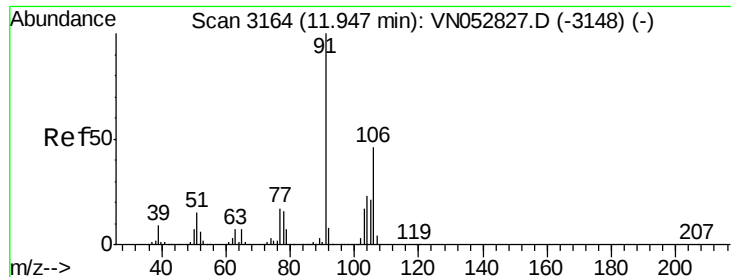
Tgt Ion: 106 Resp: 411252

Ion Ratio Lower Upper

106 100

91 203.1 162.2 243.4

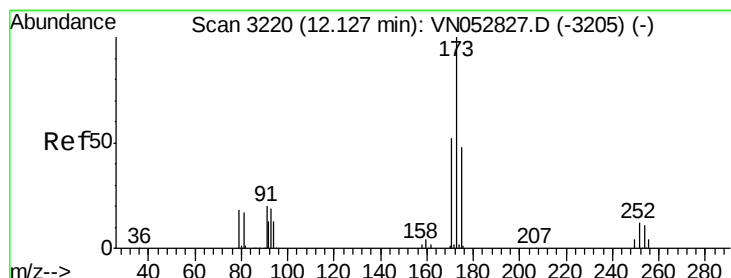
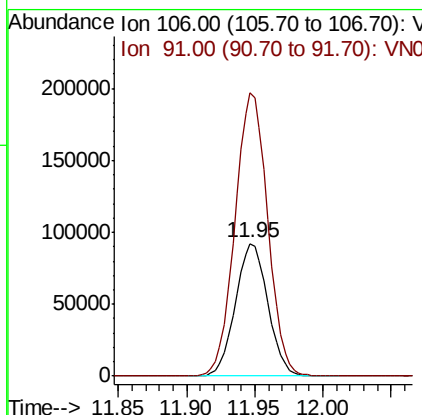
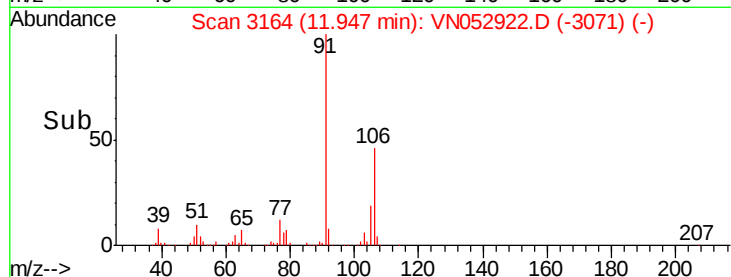
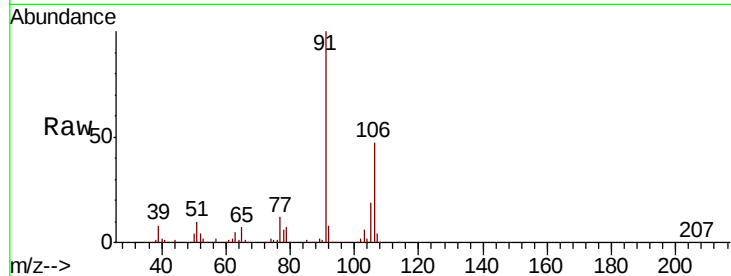




#69
o-Xylene
Concen: 6.615 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

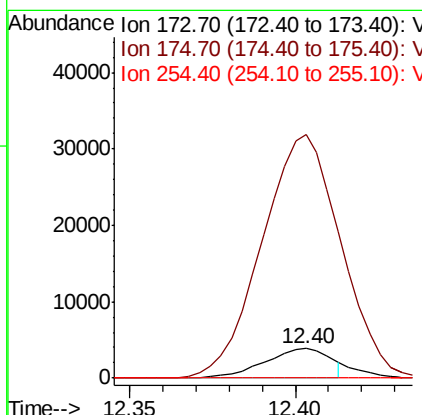
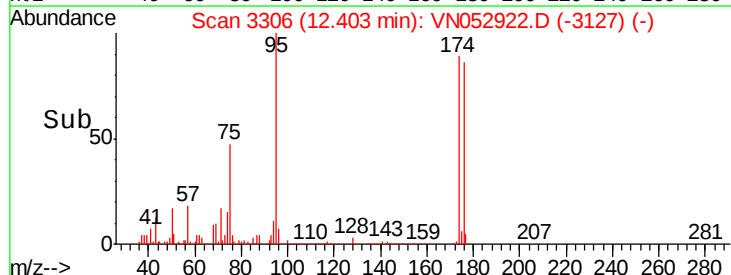
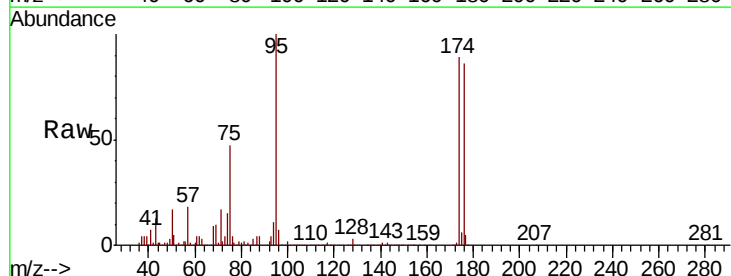
Instrument :
MSVOA_N
ClientSampled :

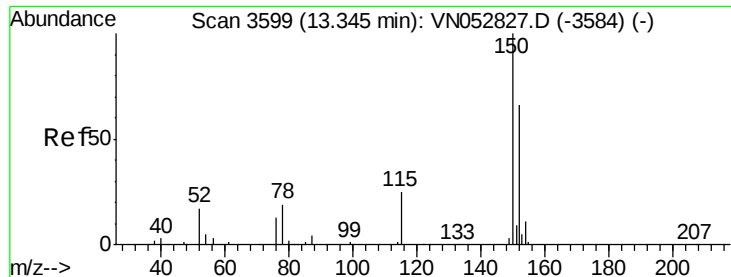
Tot Ion:106 Resp: 151950
Ion Ratio Lower Upper
106 100
91 215.8 106.6 319.8



#71
Bromoform
Concen: 0.619 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Tgt Ion:173 Resp: 5332
Ion Ratio Lower Upper
173 100
175 865.0 24.3 72.9#
254 0.0 0.1 0.1#



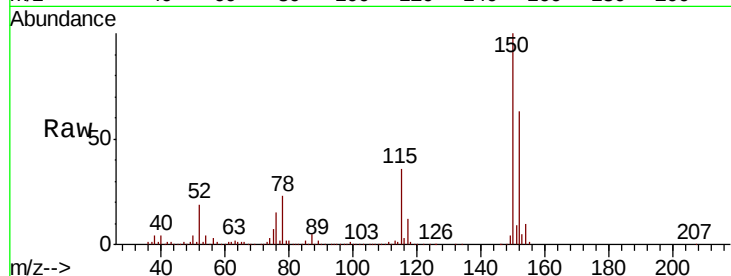


#72

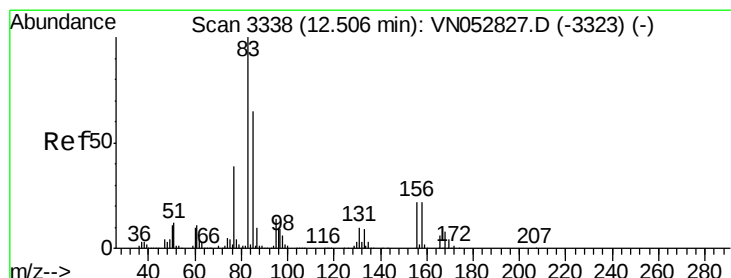
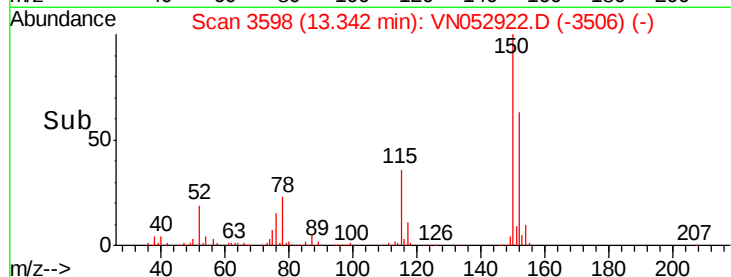
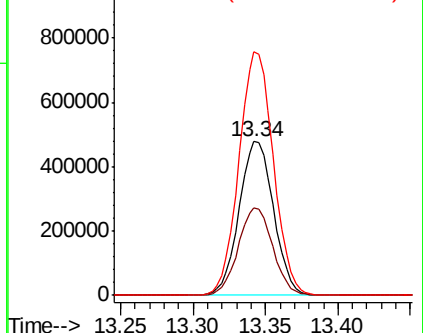
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 790437
Ion Ratio Lower Upper
152 100
115 57.0 28.3 85.0
150 157.8 0.0 347.8



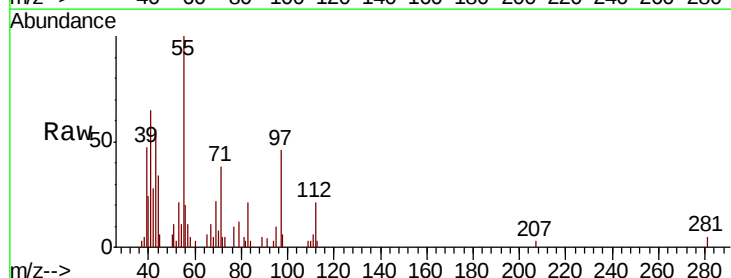
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



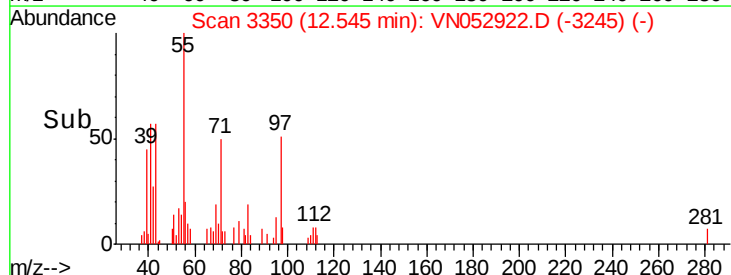
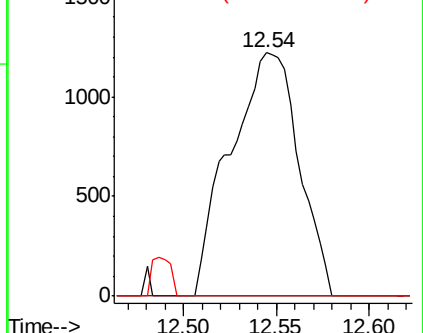
#75

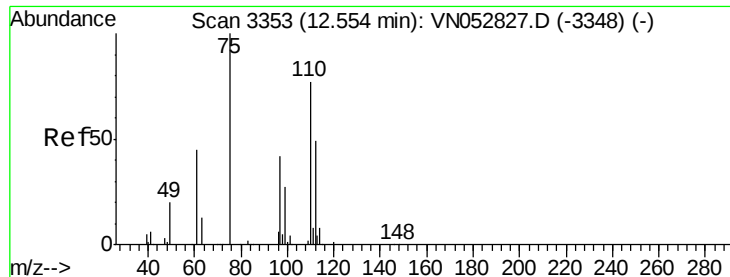
1,1,2,2-Tetrachloroethane
Concen: 0.238 ug/l
RT: 12.54 min Scan# 3350
Delta R.T. 0.04 min
Lab File: VN052922.D
Acq: 17 Dec 2018 12:57

Tgt Ion: 83 Resp: 3142
Ion Ratio Lower Upper
83 100
131 0.0 5.2 15.6#
85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): V
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 33.551 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

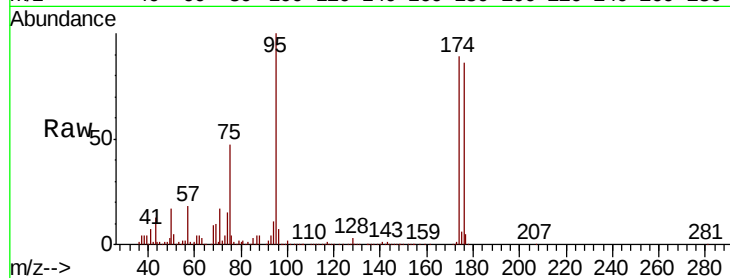
ClientSampleId :

Tot Ion: 75 Resp: 391277

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052922.D (-3306) (-)

Ion 77.00 (76.70 to 77.70): VN052922.D (-3306) (-)

12.40

250000

200000

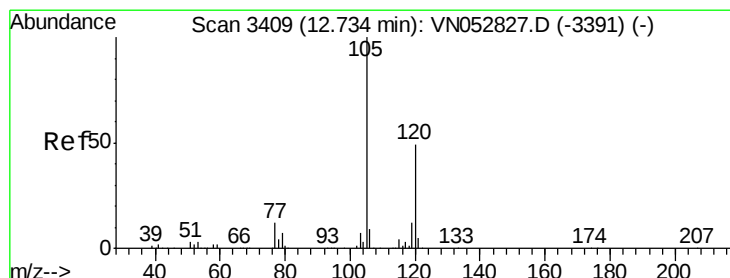
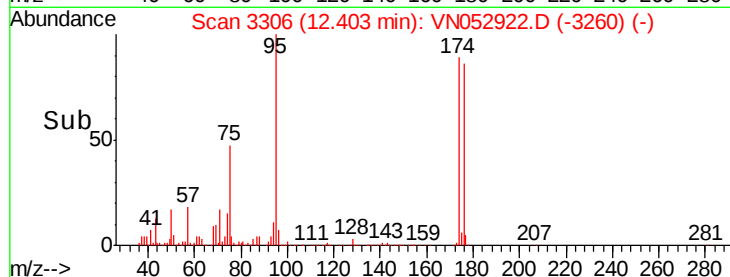
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.730 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052922.D

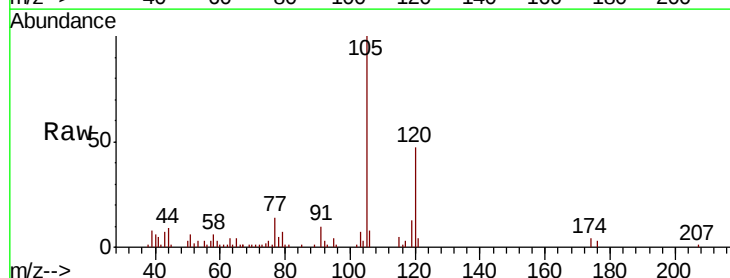
Acq: 17 Dec 2018 12:57

Tgt Ion: 105 Resp: 34796

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052922.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN052922.D (-3409) (-)

12.73

25000

20000

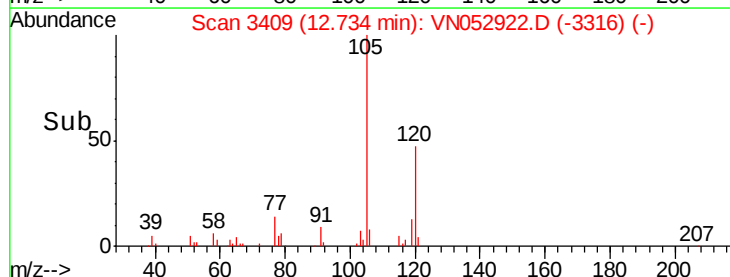
15000

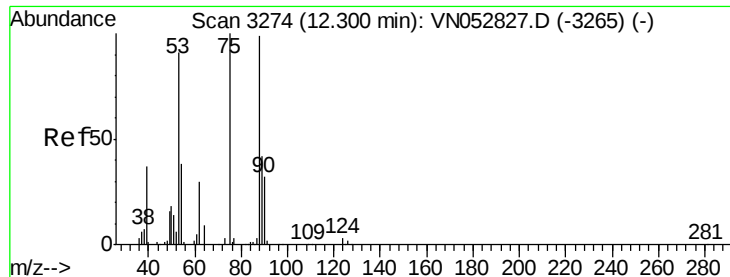
10000

5000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 107.784 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

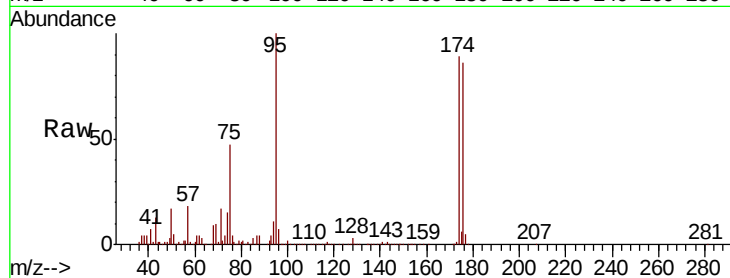
Tot Ion: 75 Resp: 391277

Ion Ratio Lower Upper

75 100

53 1.4 74.7 112.1#

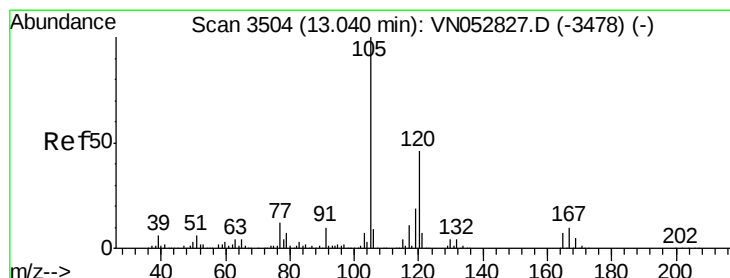
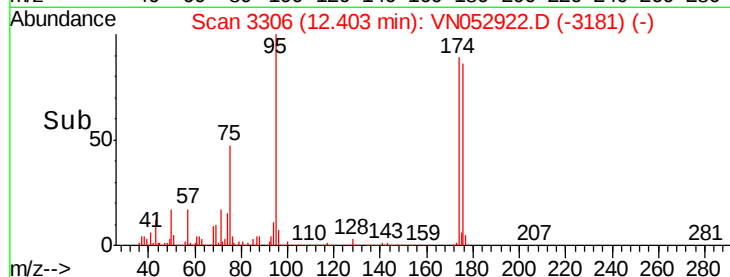
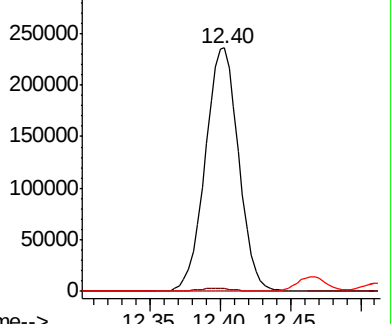
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN052922.D (-3306) (-)

Ion 53.00 (52.70 to 53.70): VN052922.D (-3306) (-)

Ion 88.90 (88.60 to 89.60): VN052922.D (-3306) (-)



#84

1,2,4-Trimethylbenzene

Concen: 2.226 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN052922.D

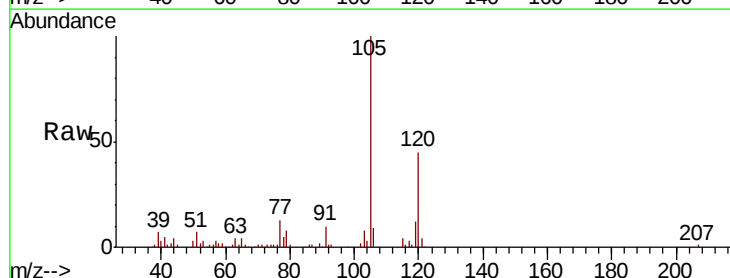
Acq: 17 Dec 2018 12:57

Tgt Ion: 105 Resp: 107365

Ion Ratio Lower Upper

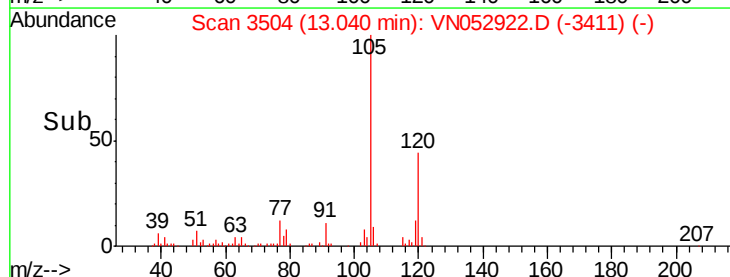
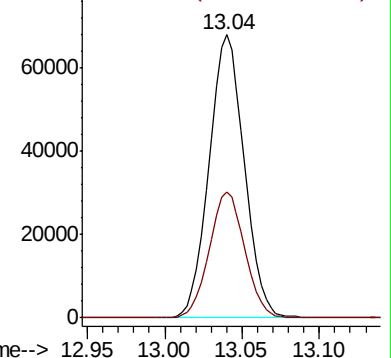
105 100

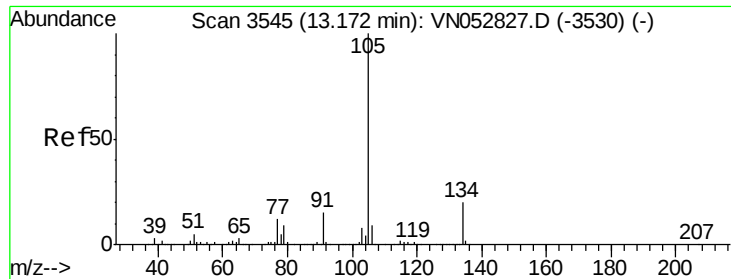
120 44.7 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN052922.D (-3504) (-)

Ion 120.00 (119.70 to 120.70): VN052922.D (-3504) (-)





#85

sec-Butylbenzene

Concen: 1.886 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

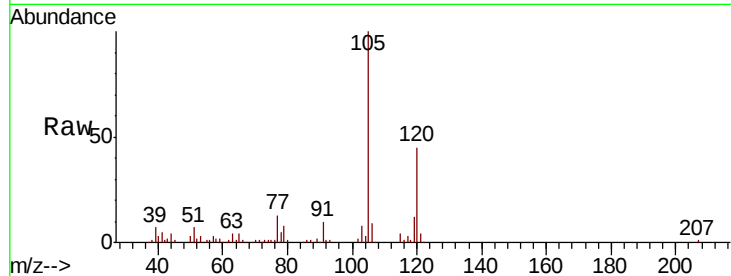
ClientSampleId :

Tot Ion:105 Resp: 107365

Ion Ratio Lower Upper

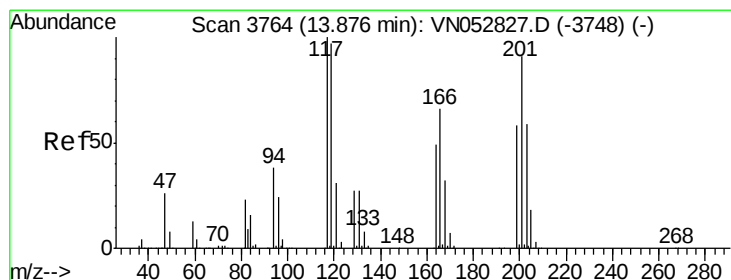
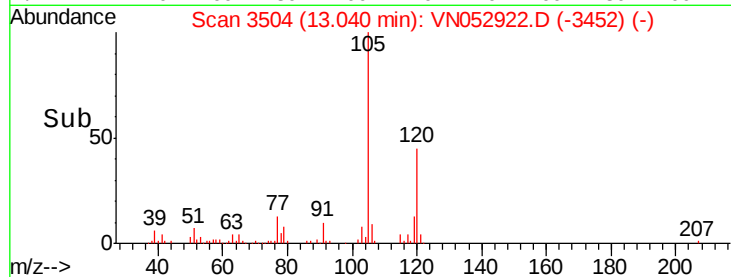
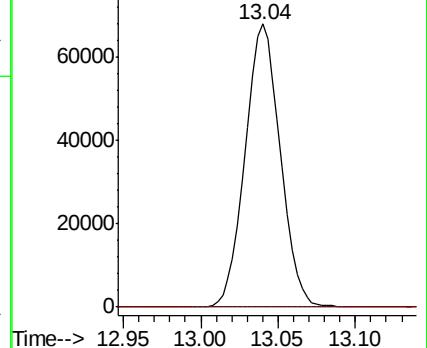
105 100

134 0.0 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.913 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052922.D

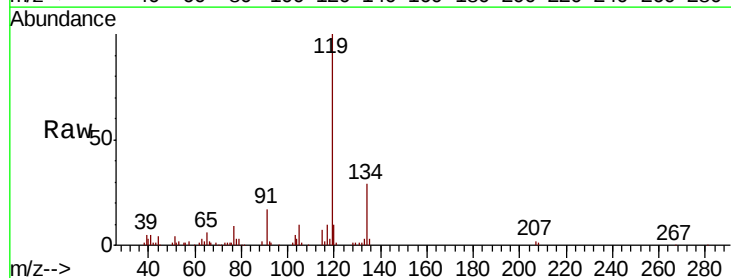
Acq: 17 Dec 2018 12:57

Tgt Ion:117 Resp: 7536

Ion Ratio Lower Upper

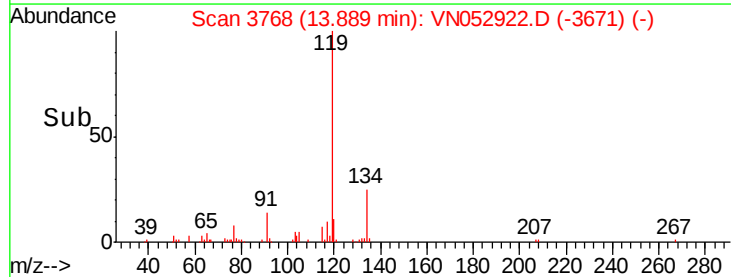
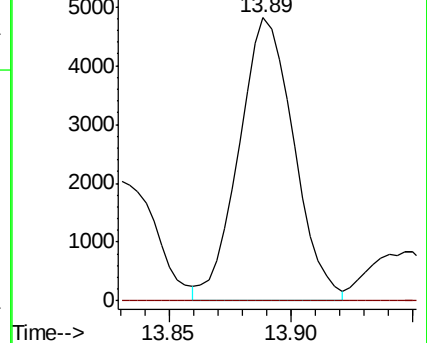
117 100

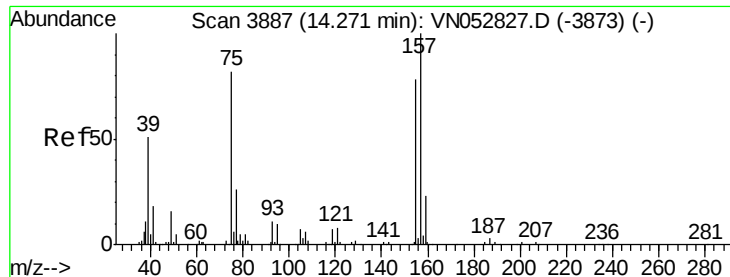
201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.376 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampled :

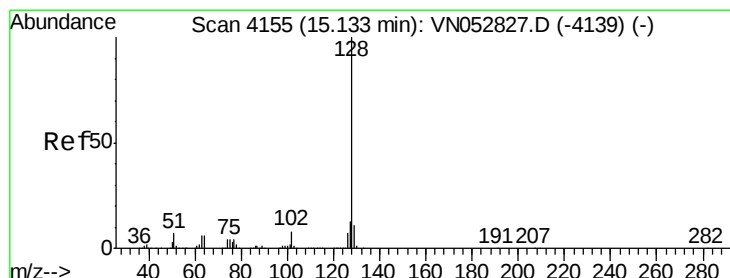
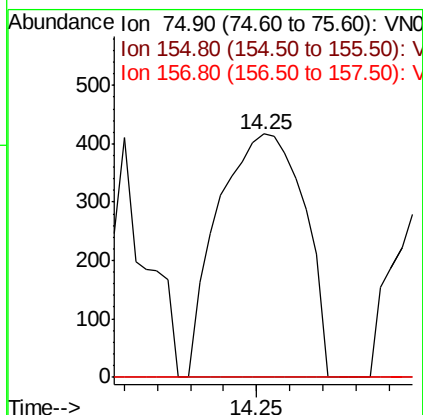
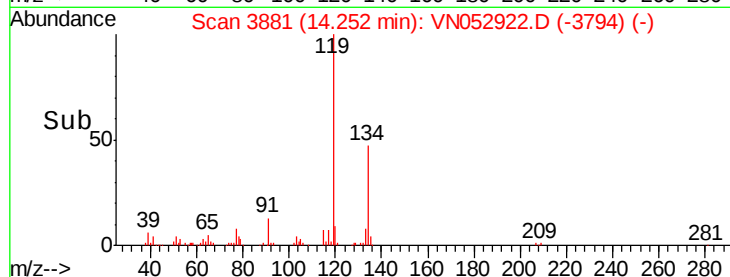
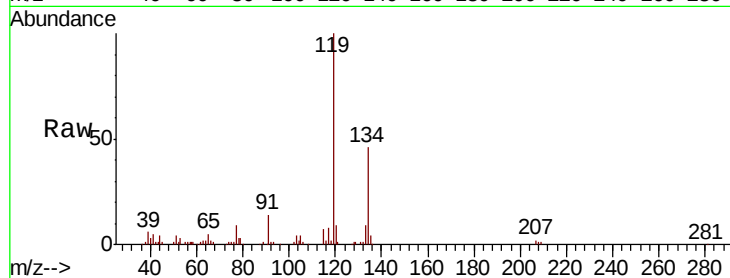
Tot Ion: 75 Resp: 750

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

157 0.0 61.2 183.5#



#95

Naphthalene

Concen: 1.501 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052922.D

Acq: 17 Dec 2018 12:57

Tgt Ion:128 Resp: 43366

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 11.3 8.6 13.0

