

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050982.D
 Acq On : 31 Aug 2018 12:47
 Operator : MD\SY
 Sample : PB112510TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112510TB

Quant Time: Aug 31 14:16:54 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	612688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	948845	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	814953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260840	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	386359	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
35) Dibromofluoromethane	7.59	113	372199	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
50) Toluene-d8	10.09	98	1327832	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
62) 4-Bromofluorobenzene	12.40	95	347074	37.01	ug/l	0.00
Spiked Amount			Recovery	=	74.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2533	0.25	ug/l	95
5) Bromomethane	2.57	94	3208	Below	Cal	92
10) Methyl Iodide	3.95	142	569	6.41	ug/l #	49
11) Tert butyl alcohol	4.79	59	148	0.32	ug/l #	72
16) Acetone	3.83	43	10179	Below	Cal	96
17) Carbon Disulfide	4.06	76	5412	0.23	ug/l #	75
18) Methyl Acetate	4.34	43	11292	1.62	ug/l	94
20) Methylene Chloride	4.55	84	16634	2.00	ug/l	94
25) 2-Butanone	6.85	43	5473	1.84	ug/l	96
29) Tetrahydrofuran	7.23	42	962	0.56	ug/l #	43
31) Cyclohexane	7.67	56	10361	1.28	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	39608	3.54	ug/l #	45
38) Carbon Tetrachloride	7.67	117	52988	4.68	ug/l #	17
43) Isopropyl Acetate	8.17	43	218922	19.80	ug/l	99
48) Methyl methacrylate	9.18	41	7274	1.29	ug/l #	19
49) 1,4-Dioxane	9.20	88	62	0.81	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	2266	0.34	ug/l	97
56) Ethyl methacrylate	10.43	69	348	2.38	ug/l #	33
59) 2-Hexanone	10.77	43	17663	4.02	ug/l	64
70) Styrene	11.97	104	1150	1.32	ug/l #	89
74) N-amyl acetate	12.07	43	1554	0.29	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.51	83	318	Below	Cal #	60
76) 1,2,3-Trichloropropane	12.40	75	160453	35.12	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	160453	118.73	ug/l #	15
87) 1,3-Dichlorobenzene	13.28	146	2582	0.26	ug/l	84
88) 1,4-Dichlorobenzene	13.28	146	2582	0.26	ug/l	84
90) Hexachloroethane	13.87	117	59	0.20	ug/l #	4
91) 1,2-Dichlorobenzene	13.66	146	2278	0.24	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	2834	4.60	ug/l	91
94) Hexachlorobutadiene	15.01	225	1608	Below	Cal	88
95) Naphthalene	15.14	128	6678	5.97	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	3405	3.97	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
Data File : VN050982.D
Acq On : 31 Aug 2018 12:47
Operator : MD\SY
Sample : PB112510TB
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB112510TB

Quant Time: Aug 31 14:16:54 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

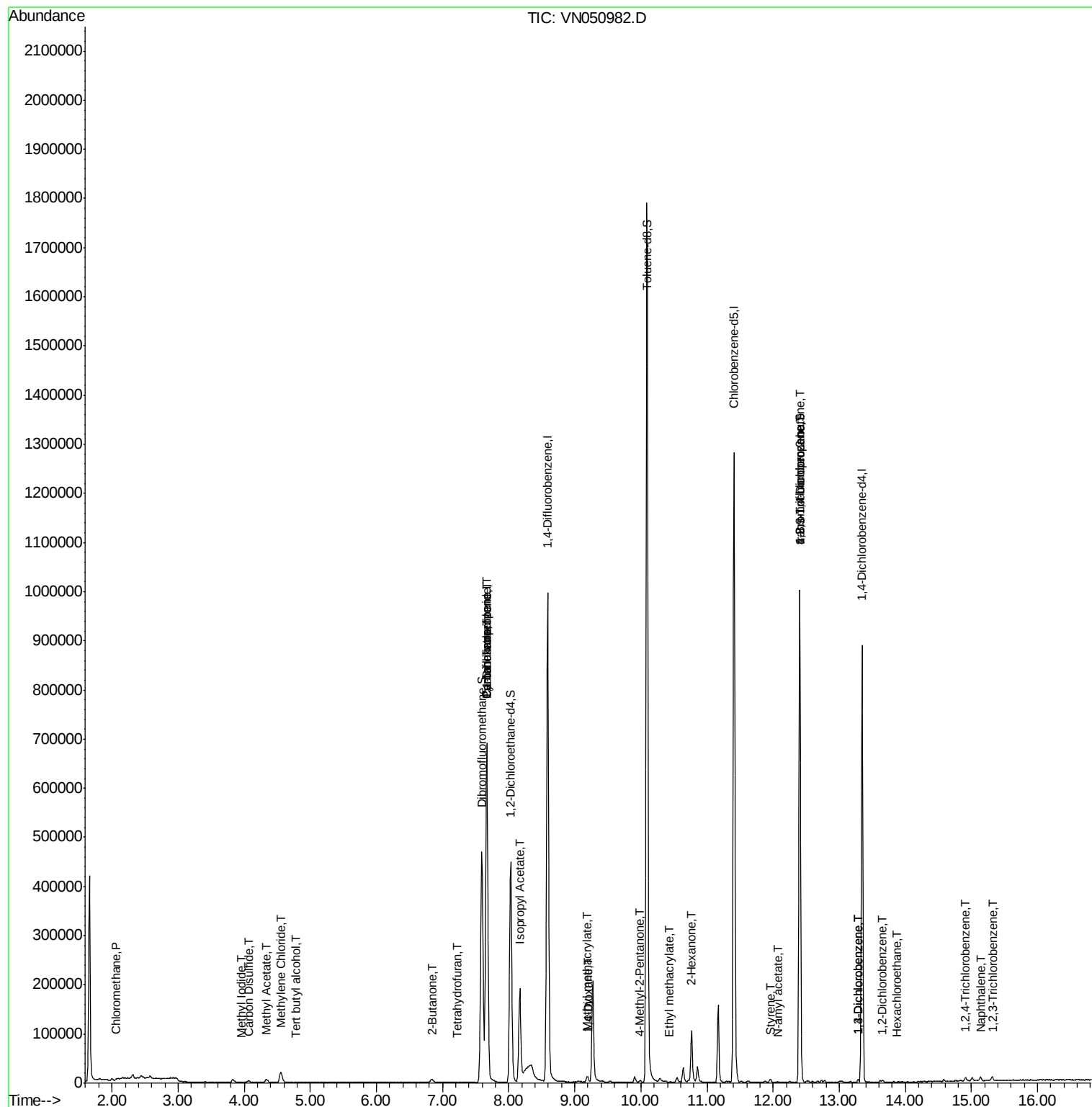
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

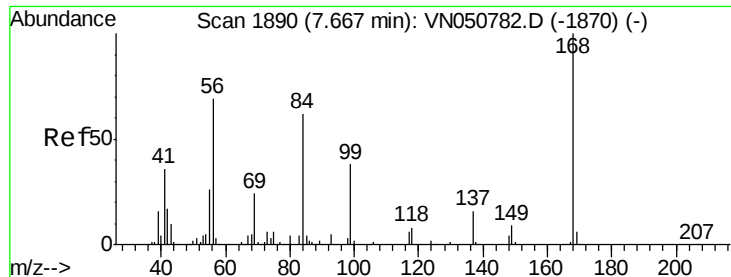
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
Data File : VN050982.D
Acq On : 31 Aug 2018 12:47
Operator : MD\SY
Sample : PB112510TB
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB112510TB

Quant Time: Aug 31 14:16:54 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

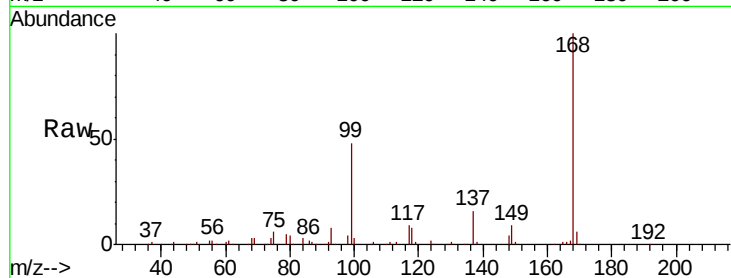
PB112510TB

Tot Ion:168 Resp: 612688

Ion Ratio Lower Upper

168 100

99 48.5 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN050982.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN050982.D (-1797) (-)

7.67

250000

200000

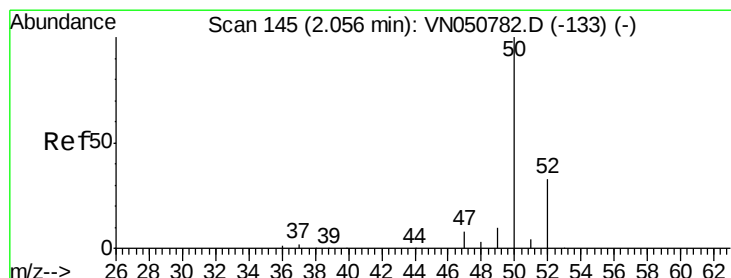
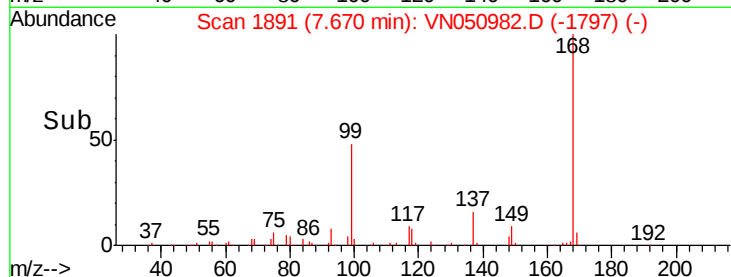
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.25 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050982.D

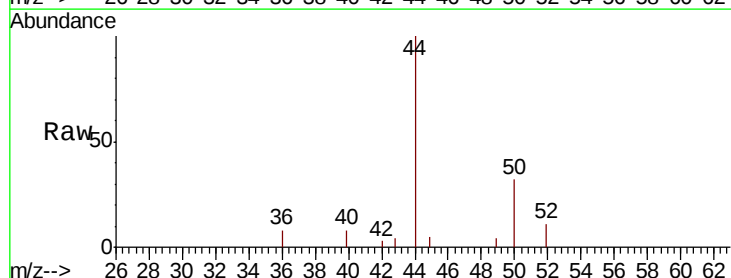
Acq: 31 Aug 2018 12:47

Tgt Ion: 50 Resp: 2533

Ion Ratio Lower Upper

50 100

52 35.6 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN050982.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN050982.D (-52) (-)

2.06

2000

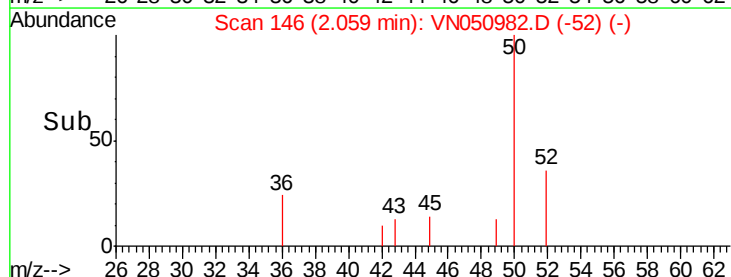
1500

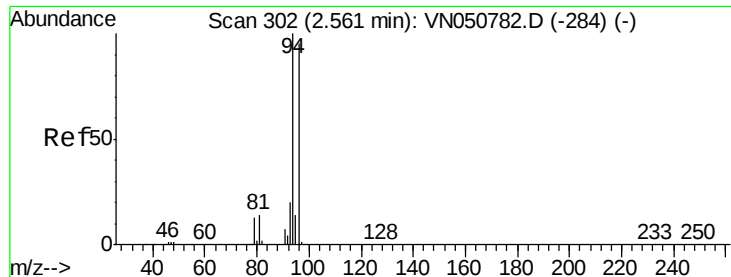
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

Instrument :

MSVOA_N

ClientSampled :

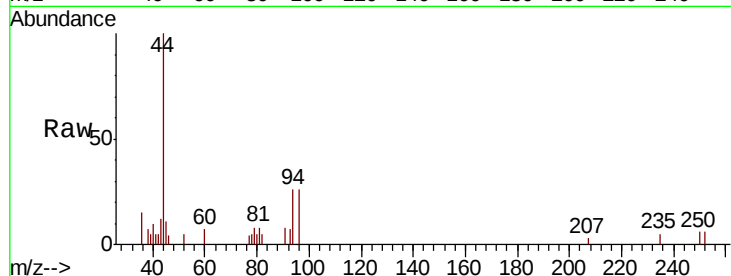
PB112510TB

Tot Ion: 94 Resp: 3208

Ion Ratio Lower Upper

94 100

96 103.2 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN050982.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050982.D (-284) (-)

1500

1000

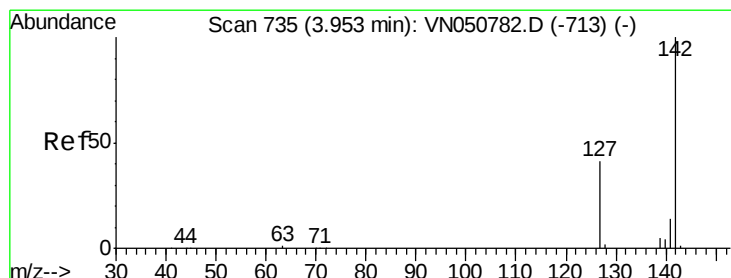
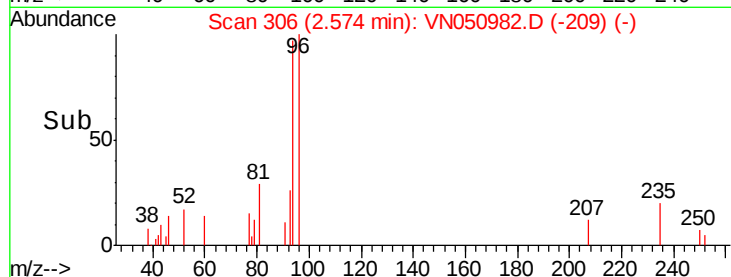
500

0

Time-->

2.50 2.55 2.60 2.65

2.57



#10

Methyl Iodide

Concen: 6.41 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

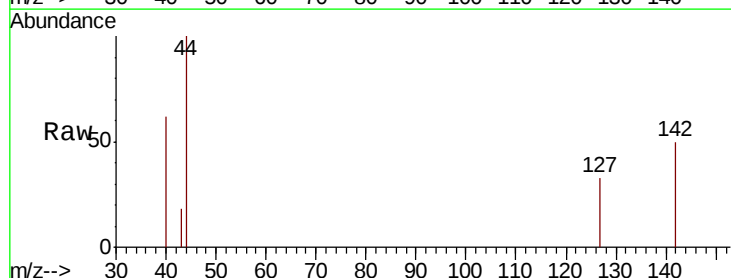
Tgt Ion:142 Resp: 569

Ion Ratio Lower Upper

142 100

127 74.5 31.7 47.5#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VN050982.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050982.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050982.D (-713) (-)

600

500

400

300

200

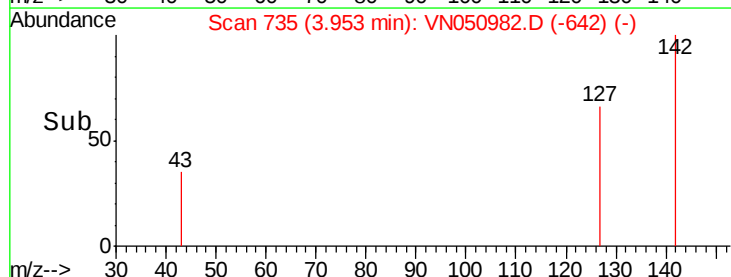
100

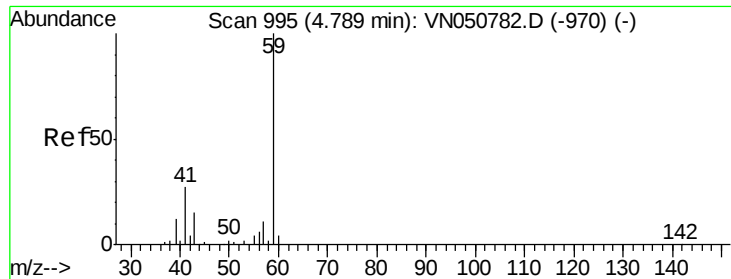
0

Time-->

3.92 3.94 3.96

3.95

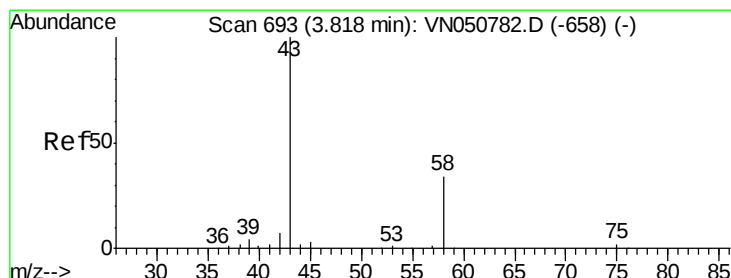
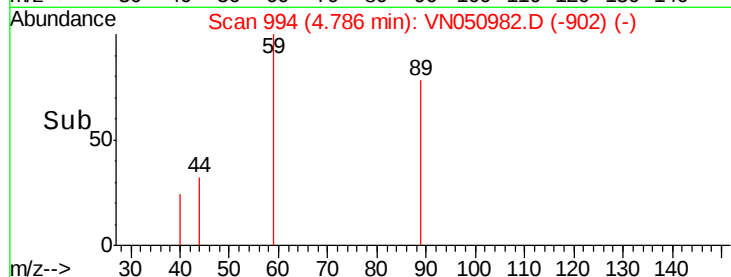
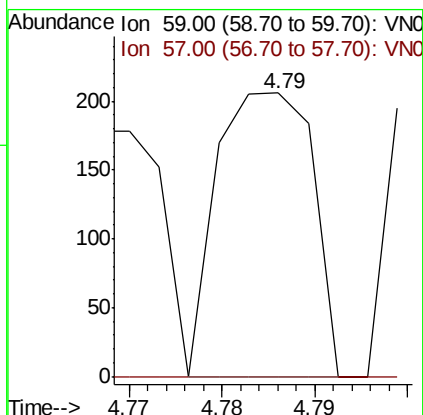
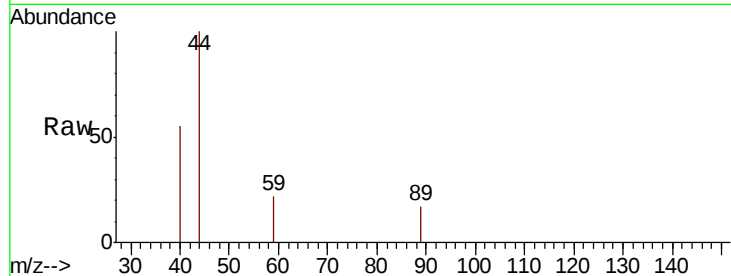




#11
Tert butyl alcohol
Concen: 0.32 ug/l
RT: 4.79 min Scan# 994
Delta R.T. -0.00 min
Lab File: VN050982.D
Acq: 31 Aug 2018 12:47

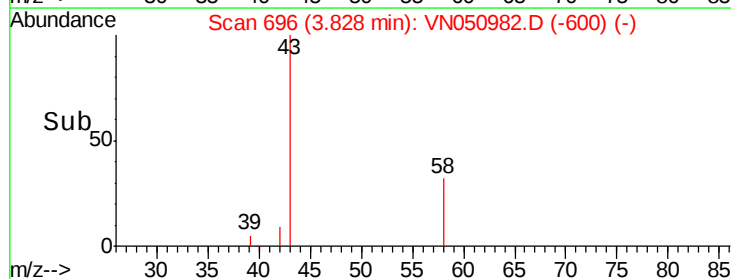
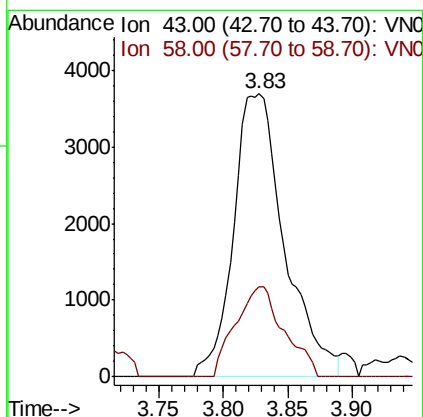
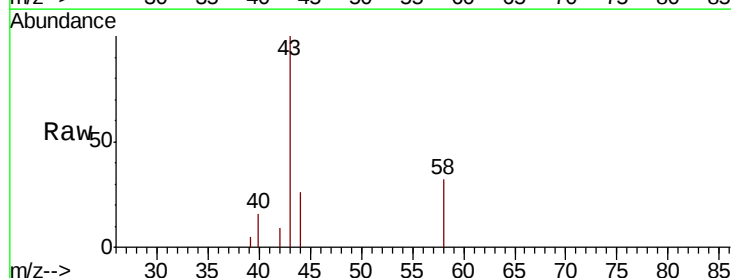
Instrument :
MSVOA_N
ClientSampleId :
PB112510TB

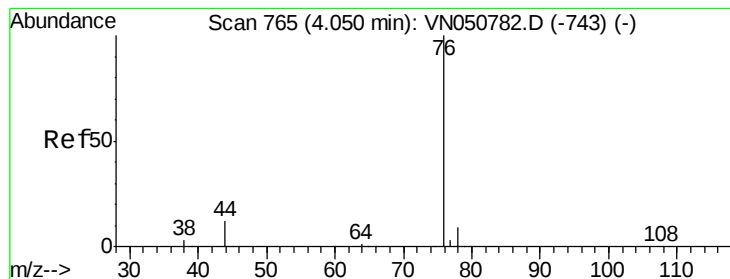
Tot Ion: 59 Resp: 148
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN050982.D
Acq: 31 Aug 2018 12:47

Tgt Ion: 43 Resp: 10179
Ion Ratio Lower Upper
43 100
58 31.6 27.2 40.8





#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 4.06 min Scan# 767

Delta R.T. 0.01 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

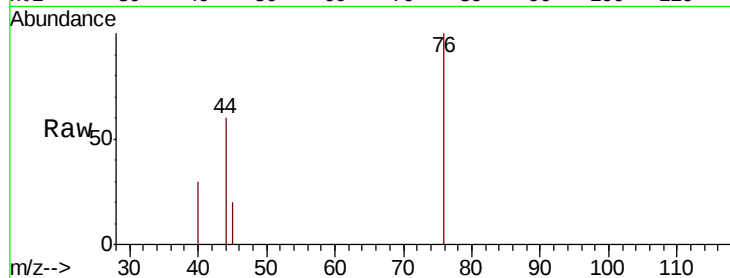
PB112510TB

Tot Ion: 76 Resp: 5412

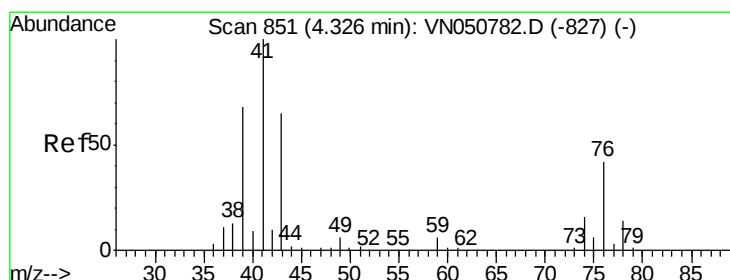
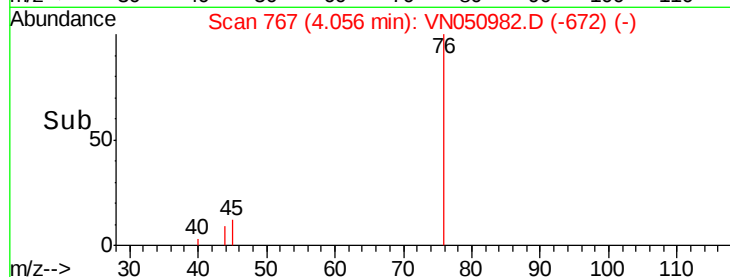
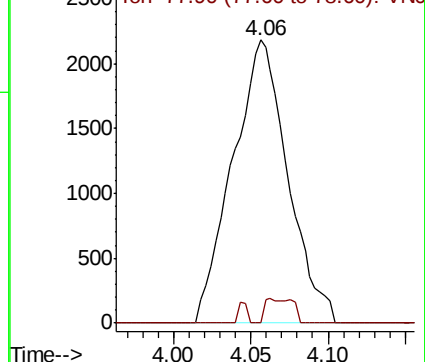
Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 1.62 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050982.D

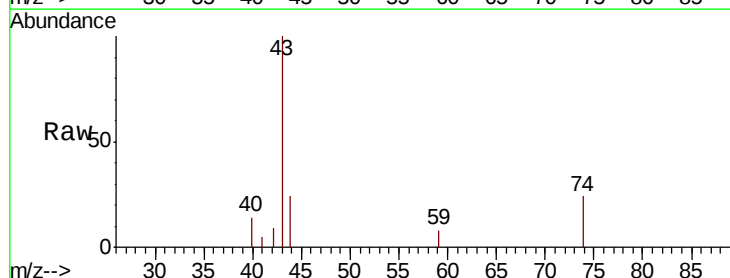
Acq: 31 Aug 2018 12:47

Tgt Ion: 43 Resp: 11292

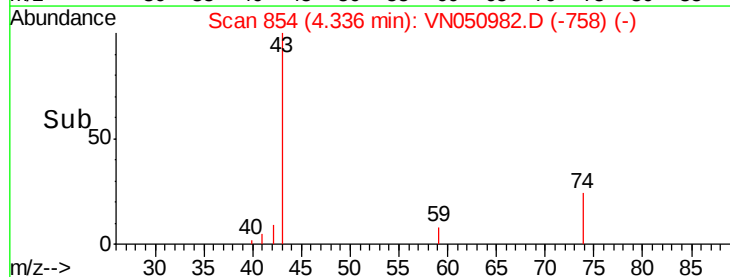
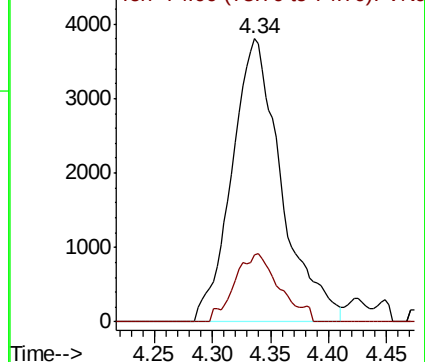
Ion Ratio Lower Upper

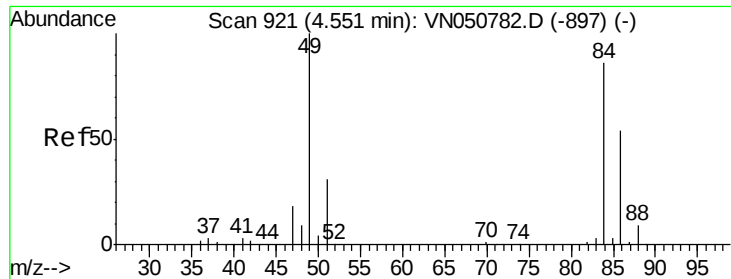
43 100

74 21.9 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

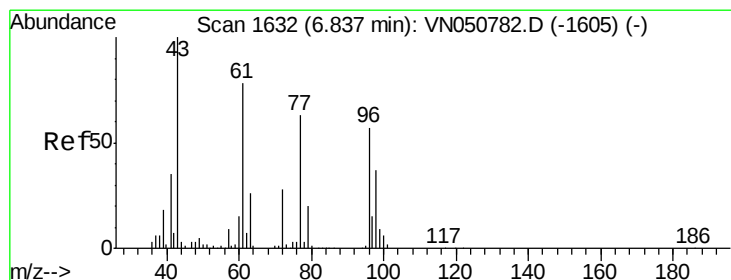
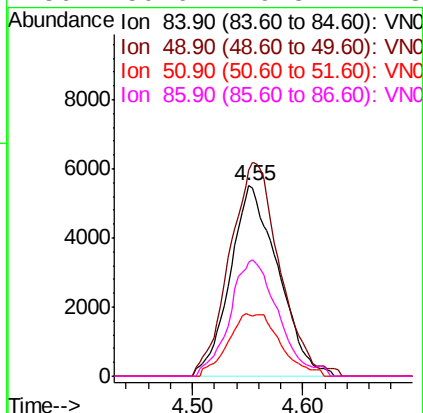
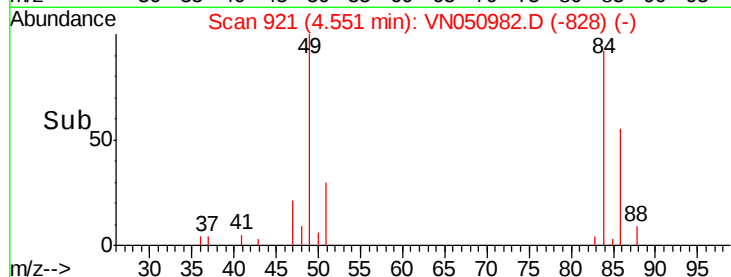
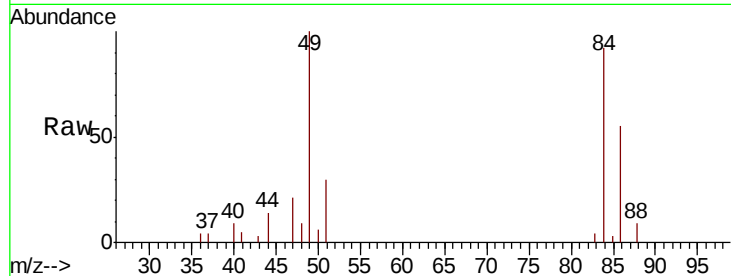




#20
Methvlene Chloride
Concen: 2.00 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050982.D
Acq: 31 Aug 2018 12:47

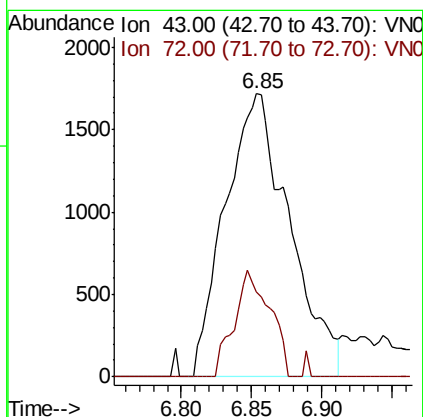
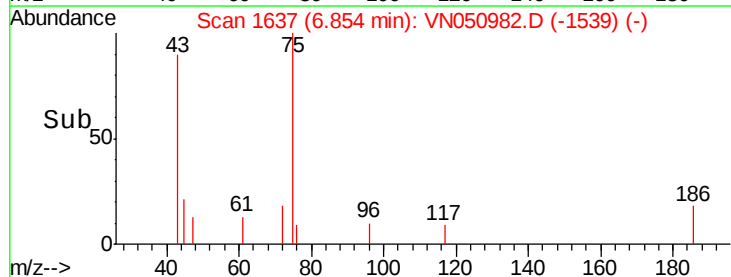
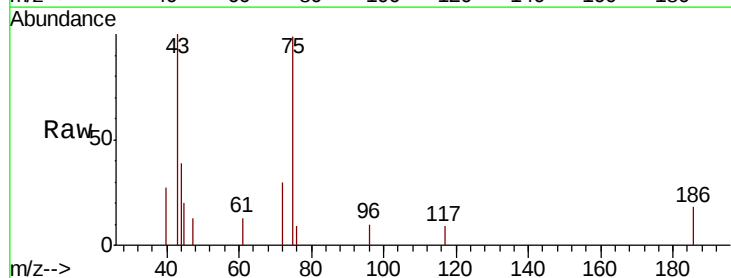
Instrument :
MSVOA_N
ClientSampleId :
PB112510TB

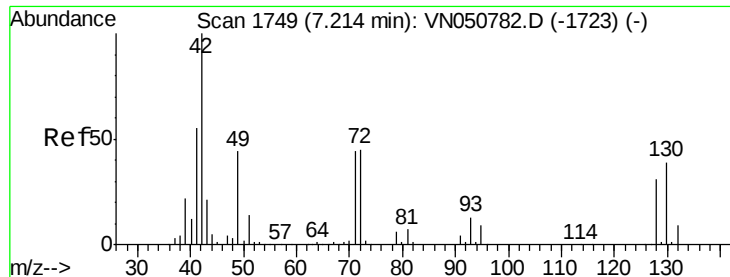
Tot Ion: 84 Resp: 16634
Ion Ratio Lower Upper
84 100
49 108.2 93.2 139.8
51 32.6 29.0 43.6
86 59.6 49.8 74.8



#25
2-Butanone
Concen: 1.84 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.02 min
Lab File: VN050982.D
Acq: 31 Aug 2018 12:47

Tgt Ion: 43 Resp: 5473
Ion Ratio Lower Upper
43 100
72 29.8 22.3 33.5





#29

Tetrahydrofuran

Concen: 0.56 ug/l

RT: 7.23 min Scan# 1755

Delta R.T. 0.02 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

PB112510TB

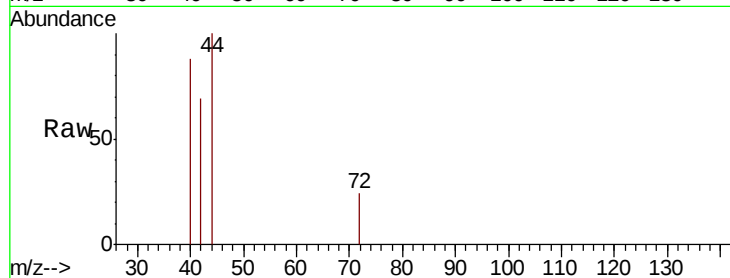
Tot Ion: 42 Resp: 962

Ion Ratio Lower Upper

42 100

72 13.5 35.5 53.3#

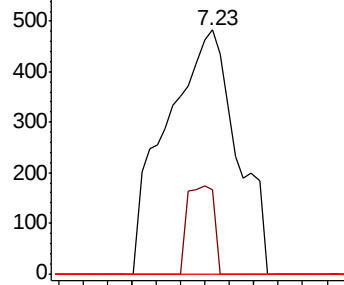
71 0.0 33.7 50.5#



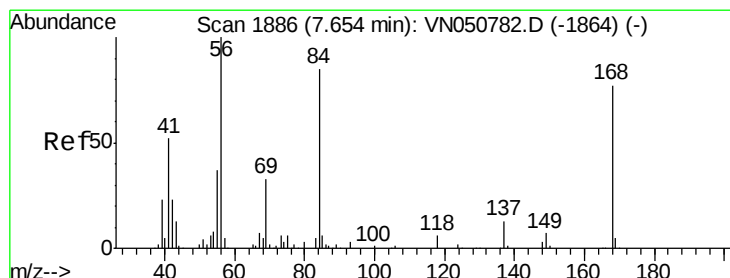
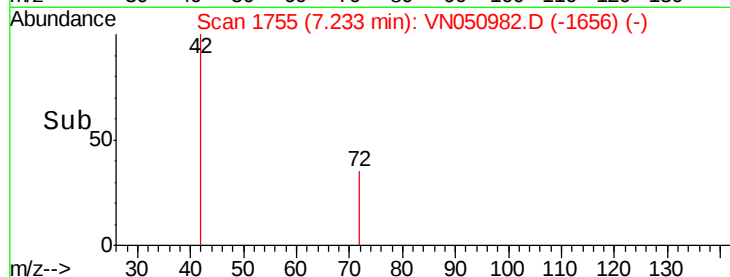
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->



#31

Cyclohexane

Concen: 1.28 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

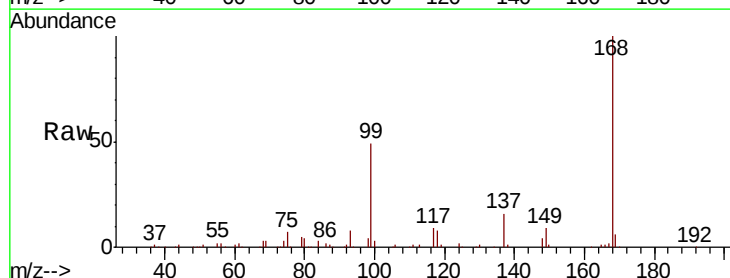
Tgt Ion: 56 Resp: 10361

Ion Ratio Lower Upper

56 100

69 200.1 26.2 39.4#

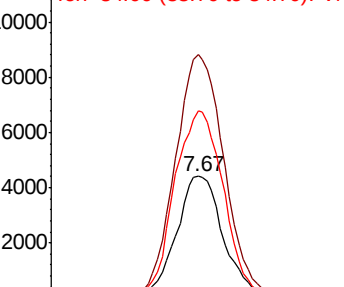
84 154.1 68.3 102.5#



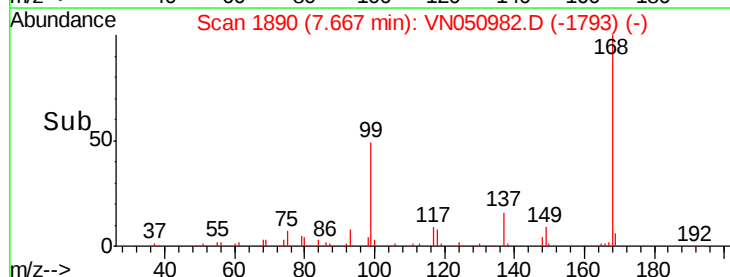
Abundance Ion 56.00 (55.70 to 56.70): VN0

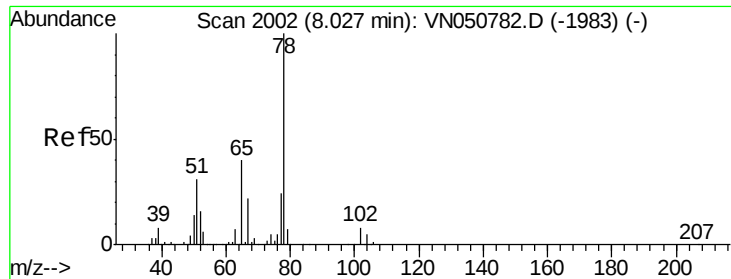
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->

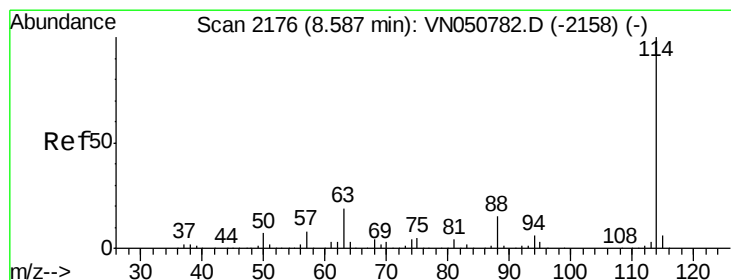
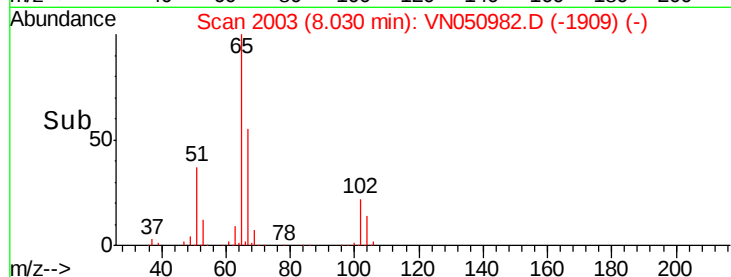
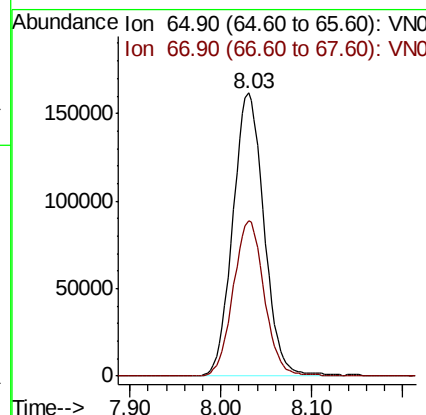
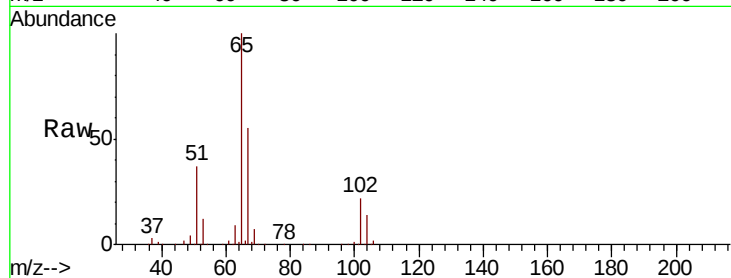




#33
 1,2-Dichloroethane-d4
 Concen: 52.38 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050982.D
 Acq: 31 Aug 2018 12:47

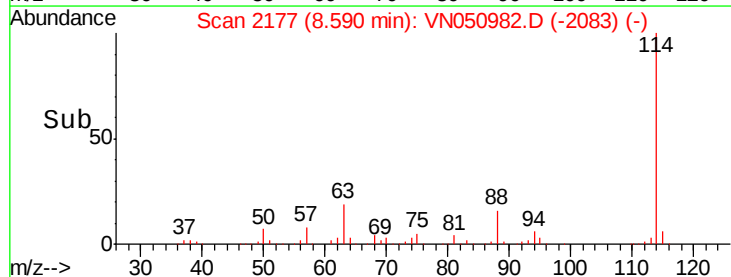
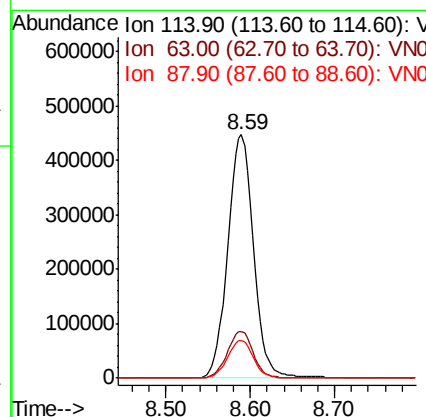
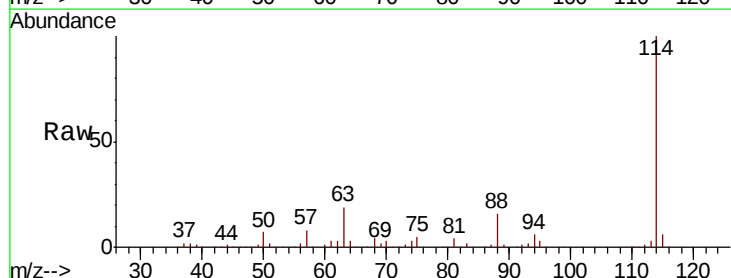
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112510TB

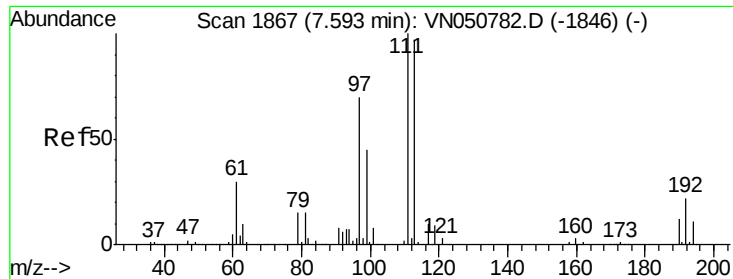
Tot Ion: 65 Resp: 386359
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050982.D
 Acq: 31 Aug 2018 12:47

Tgt Ion: 114 Resp: 948845
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.5 0.0 30.6

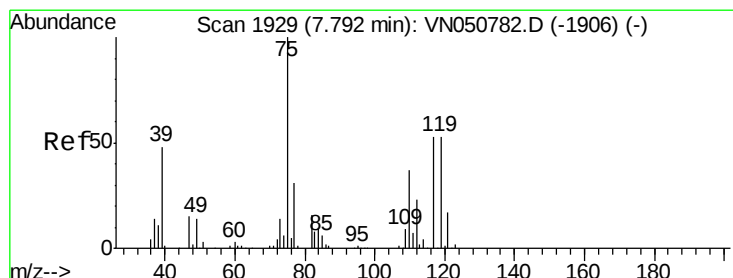
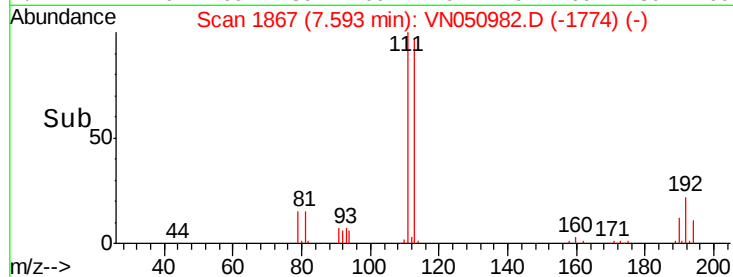
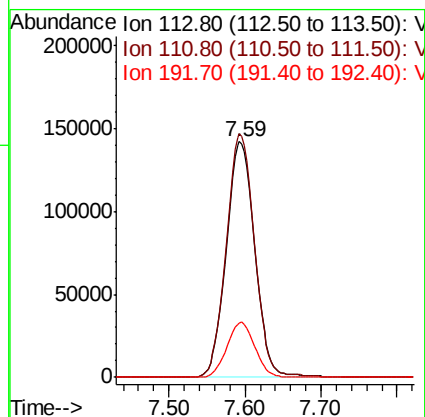
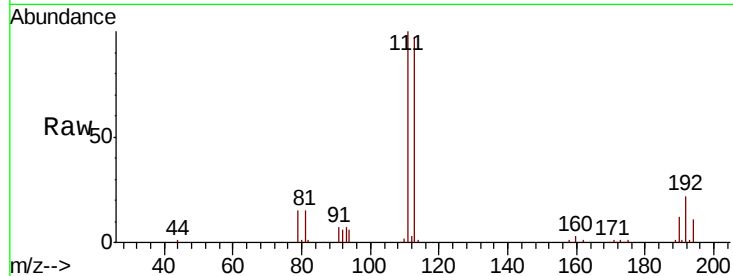




#35
 Dibromofluoromethane
 Concen: 49.31 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050982.D
 Acq: 31 Aug 2018 12:47

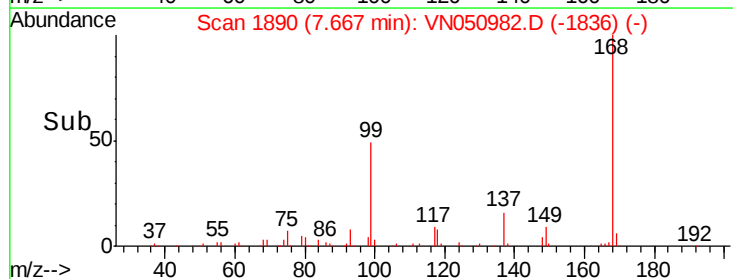
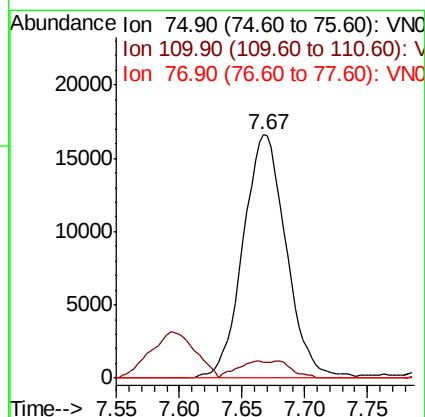
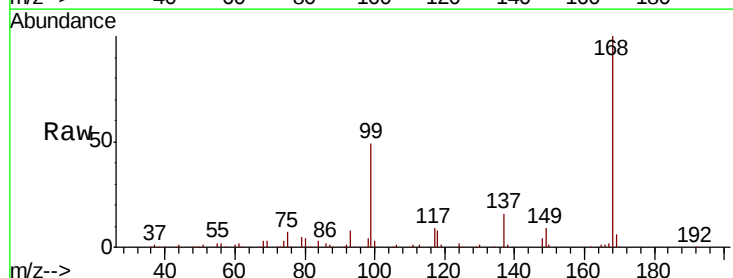
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112510TB

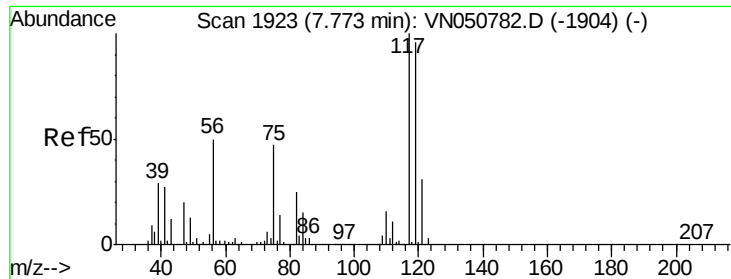
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	22.8	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.54 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050982.D
 Acq: 31 Aug 2018 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.9	18.1	54.4#
77	0.0	24.8	37.2#

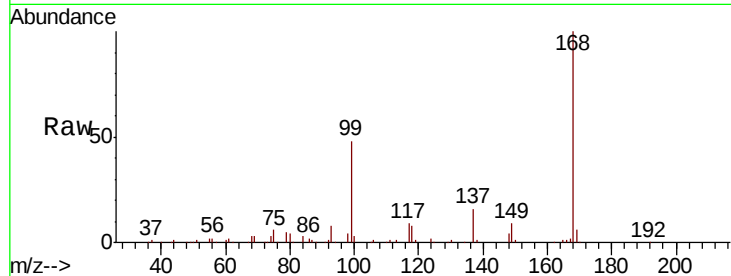




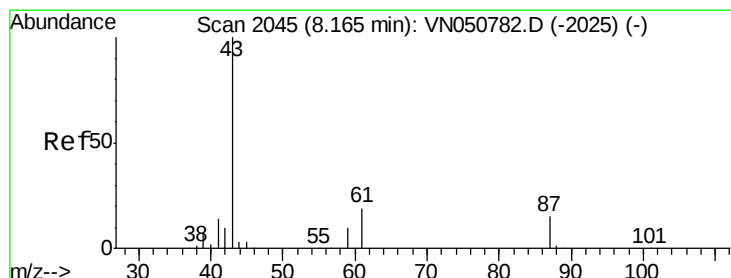
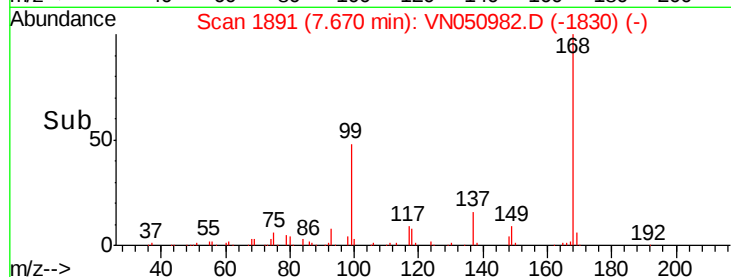
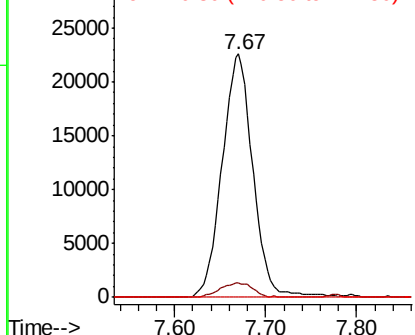
#38
Carbon Tetrachloride
Concen: 4.68 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.10 min
Lab File: VN050982.D
Acq: 31 Aug 2018 12:47

Instrument :
MSVOA_N
ClientSampleId :
PB112510TB

Tot Ion:117 Resp: 52988
Ion Ratio Lower Upper
117 100
119 6.0 76.3 114.5#
121 0.0 24.6 36.8#

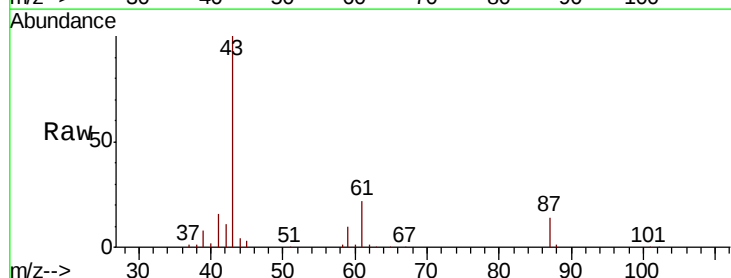


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

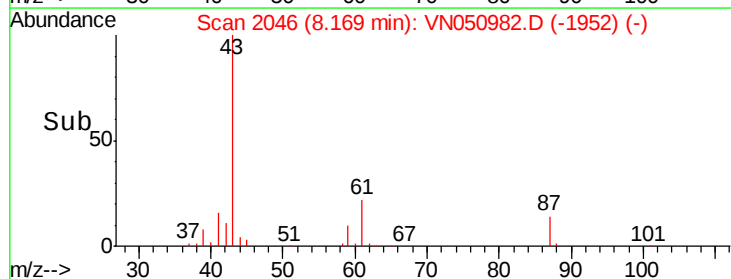
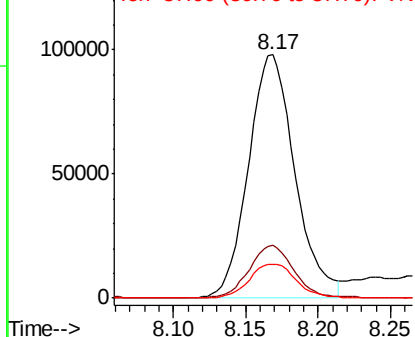


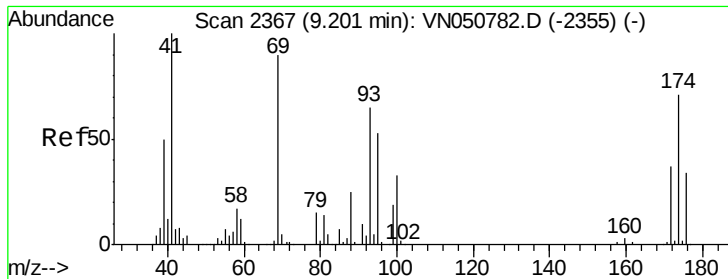
#43
Isopropyl Acetate
Concen: 19.80 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050982.D
Acq: 31 Aug 2018 12:47

Tgt Ion: 43 Resp: 218922
Ion Ratio Lower Upper
43 100
61 21.2 17.5 26.3
87 14.2 11.3 16.9



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





#48

Methvl methacrylate

Concen: 1.29 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

Instrument :

MSVOA_N

ClientSampled :

PB112510TB

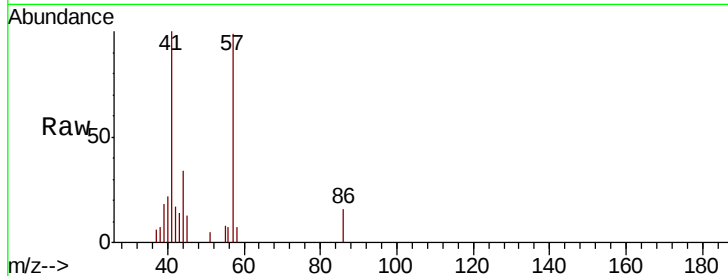
Tot Ion: 41 Resp: 7274

Ion Ratio Lower Upper

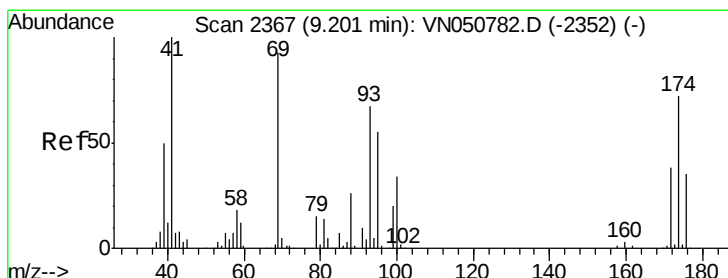
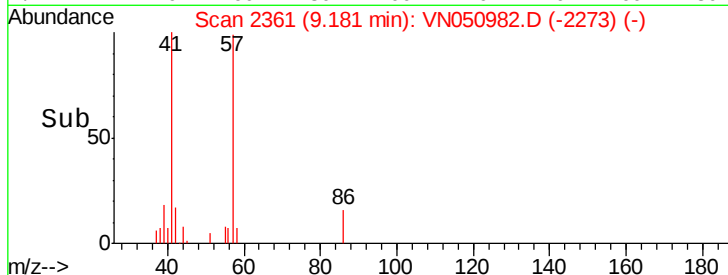
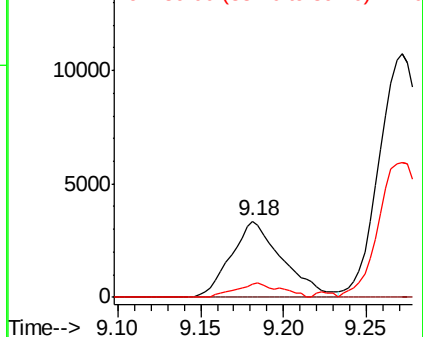
41 100

69 0.0 74.7 112.1#

39 16.1 42.2 63.2#



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



#49

1,4-Dioxane

Concen: 0.81 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

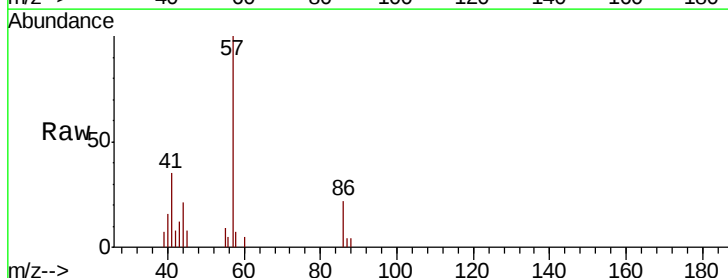
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

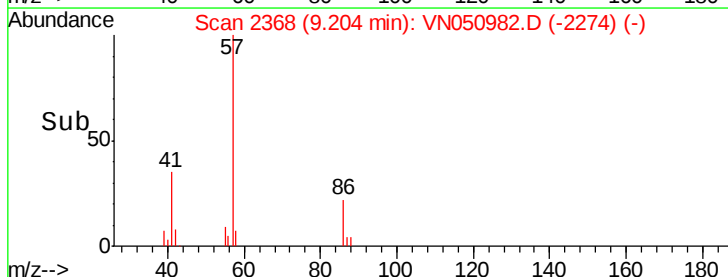
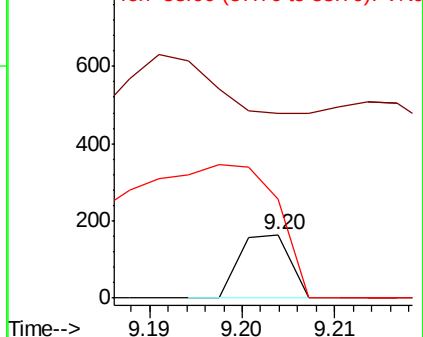
88 100

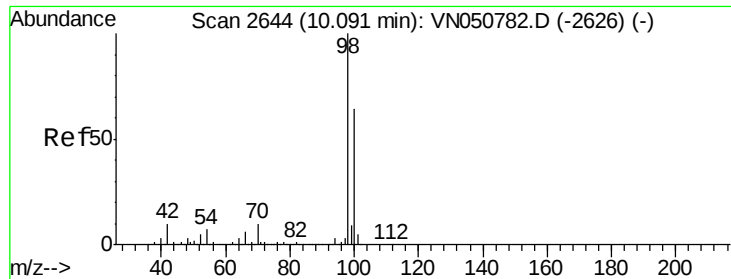
43 0.0 25.9 38.9#

58 574.2 55.0 82.4#



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: 47.05 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

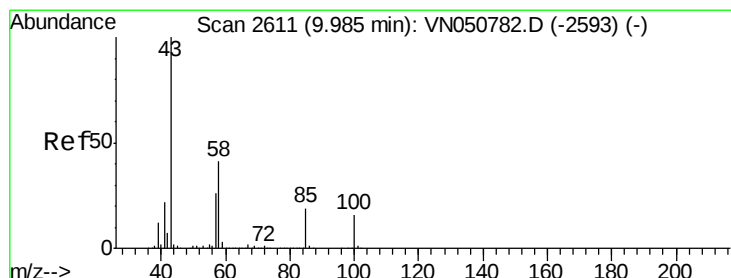
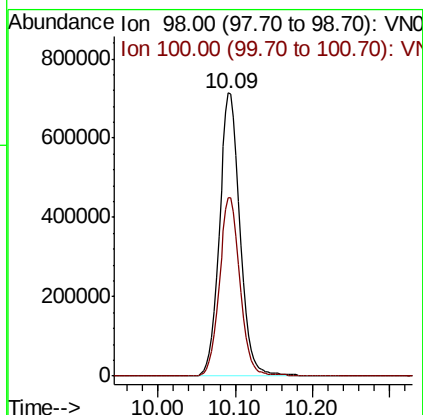
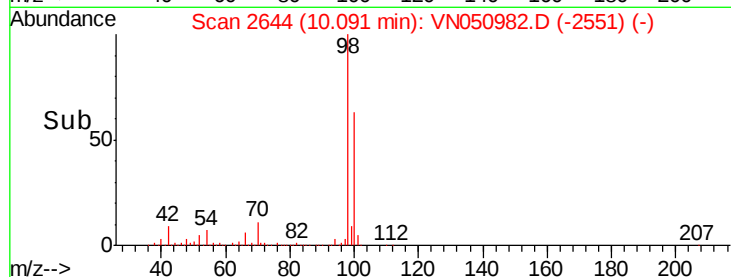
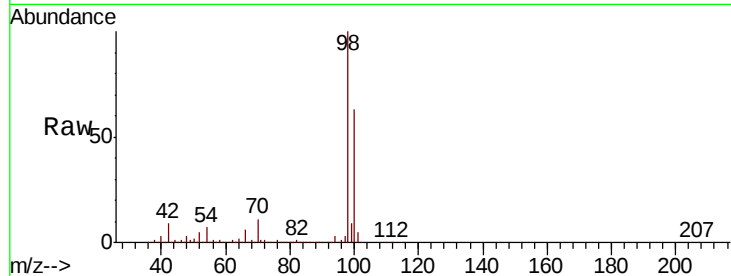
PB112510TB

Tot Ion: 98 Resp: 1327832

Ion Ratio Lower Upper

98 100

100 63.3 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 0.34 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050982.D

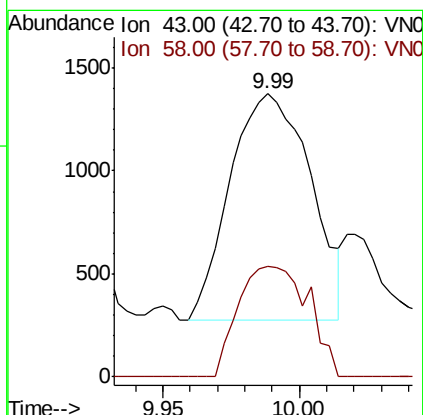
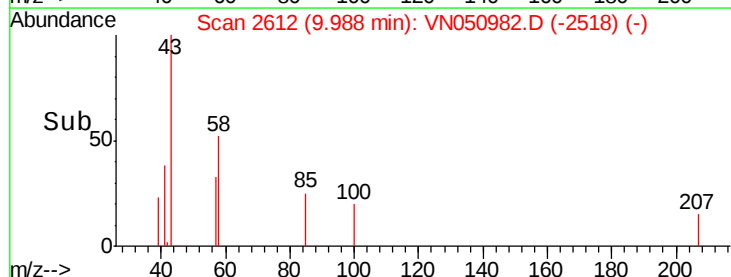
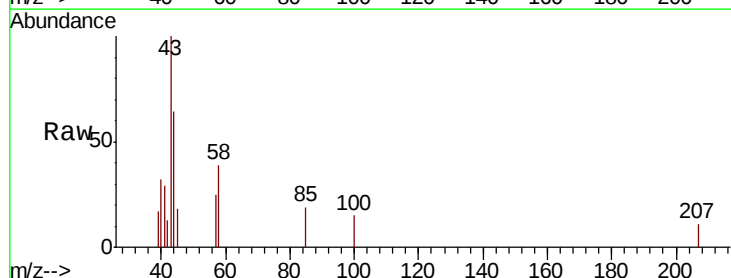
Acq: 31 Aug 2018 12:47

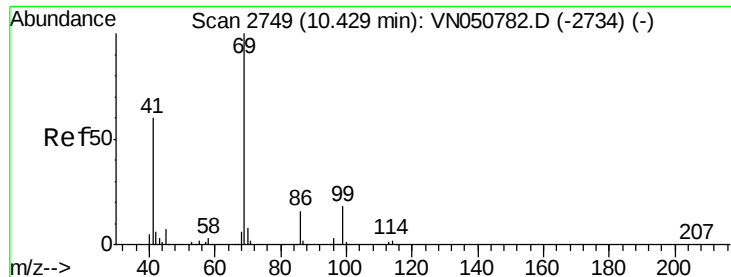
Tgt Ion: 43 Resp: 2266

Ion Ratio Lower Upper

43 100

58 42.3 32.4 48.6





#56

Ethyl methacrylate

Concen: 2.38 ug/l

RT: 10.43 min Scan# 2748

Delta R.T. -0.00 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

Instrument :

MSVOA_N

ClientSampled :

PB112510TB

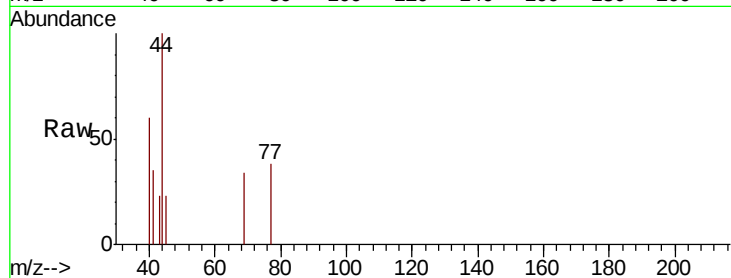
Tot Ion: 69 Resp: 348

Ion Ratio Lower Upper

69 100

41 115.2 48.3 72.5#

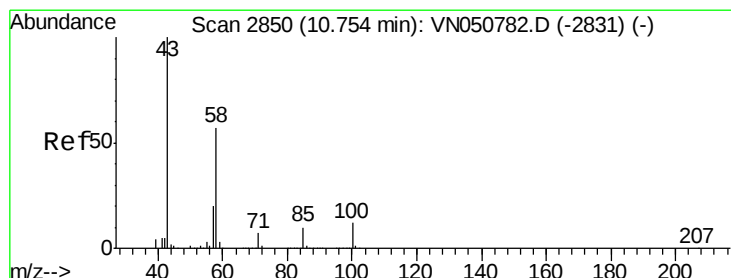
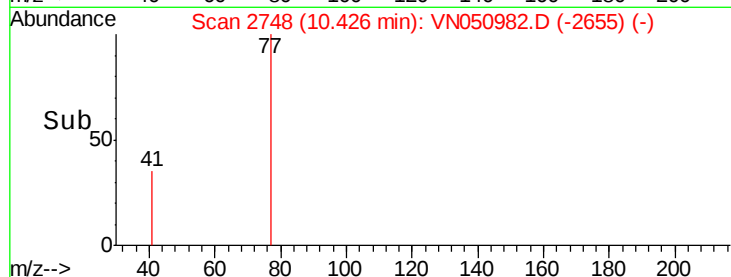
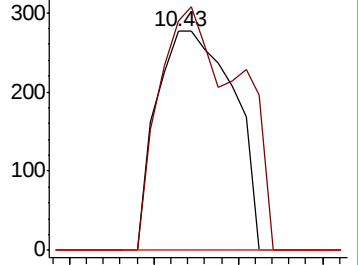
39 0.0 24.0 36.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 4.02 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050982.D

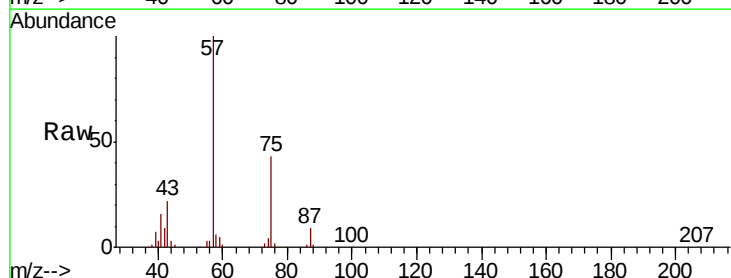
Acq: 31 Aug 2018 12:47

Tgt Ion: 43 Resp: 17663

Ion Ratio Lower Upper

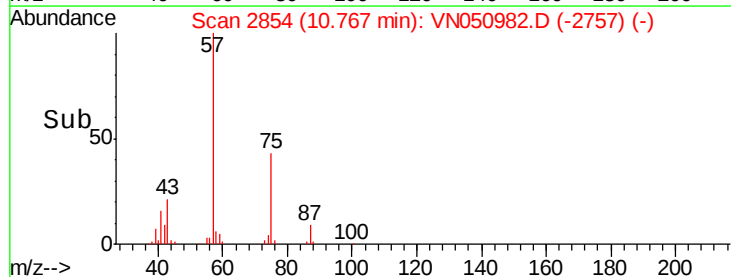
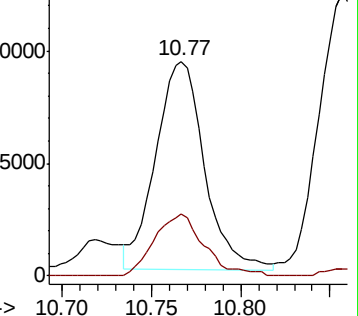
43 100

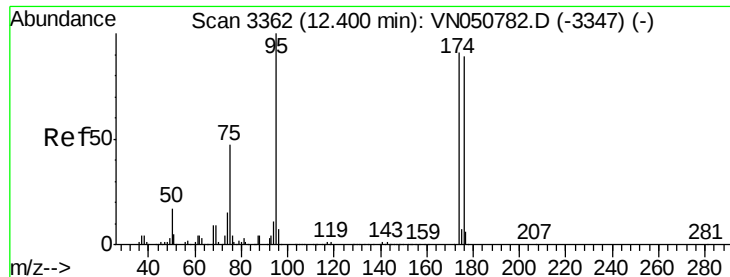
58 30.4 28.3 85.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 37.01 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

Instrument :

MSVOA_N

ClientSampled :

PB112510TB

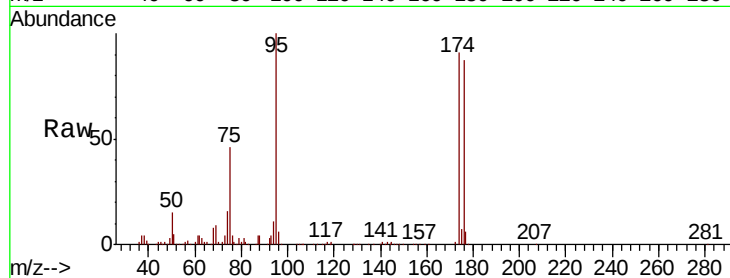
Tot Ion: 95 Resp: 347074

Ion Ratio Lower Upper

95 100

174 92.6 0.0 183.0

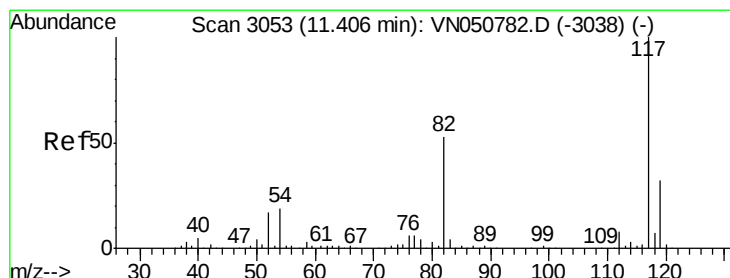
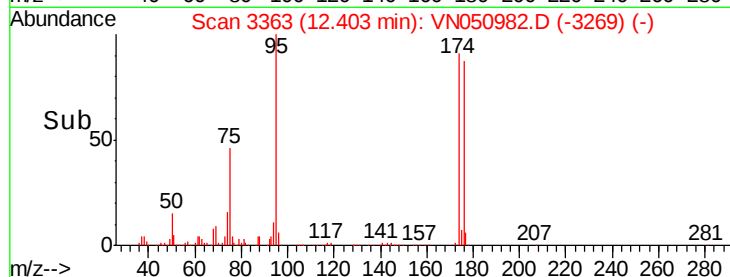
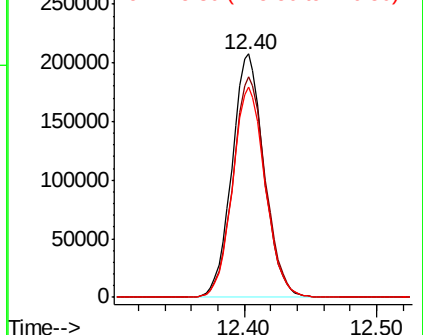
176 88.1 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

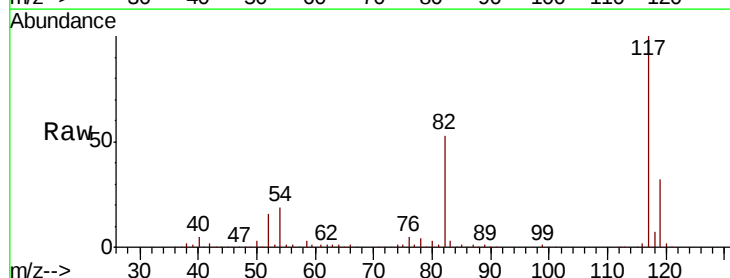
Tgt Ion: 117 Resp: 814953

Ion Ratio Lower Upper

117 100

82 52.6 42.6 64.0

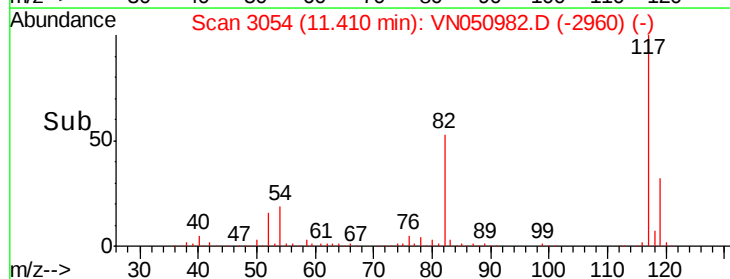
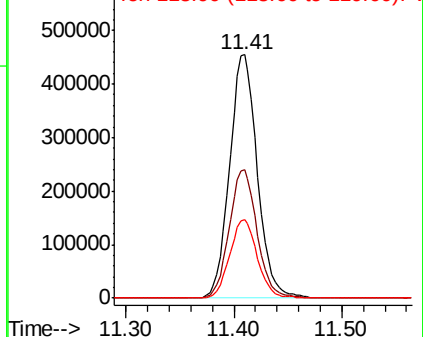
119 32.2 25.8 38.6

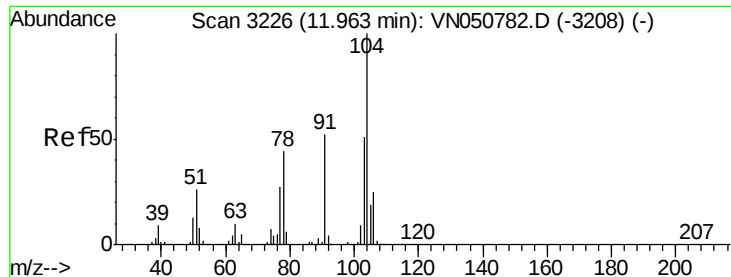


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#70

Stvrene

Concen: 1.32 ug/l

RT: 11.97 min Scan# 3228

Delta R.T. 0.01 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

PB112510TB

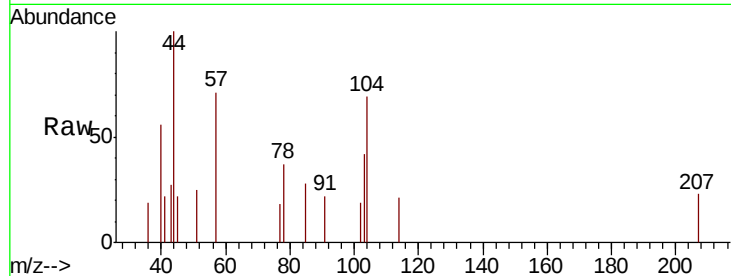
Tot Ion:104 Resp: 1150

Ion Ratio Lower Upper

104 100

78 50.6 38.2 57.4

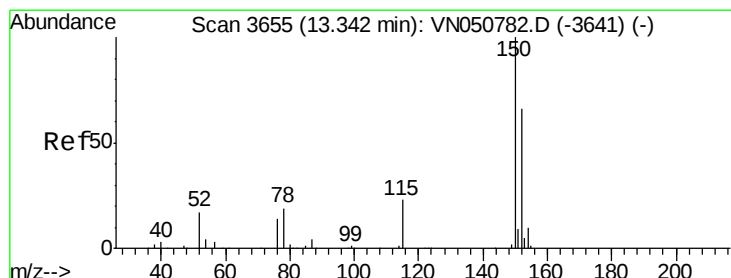
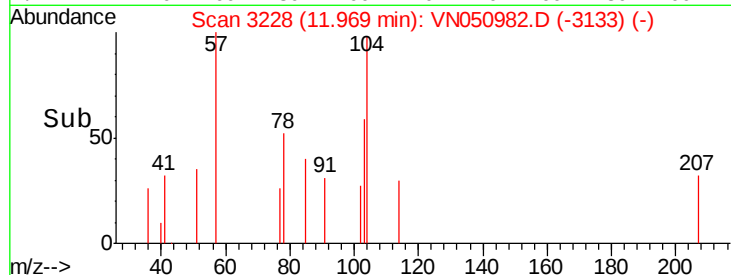
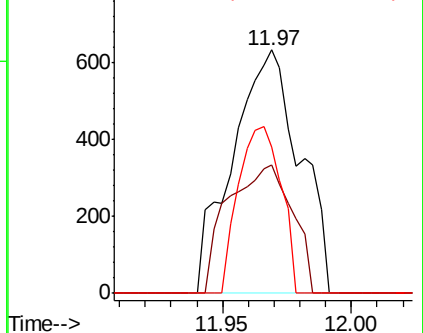
103 43.5 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

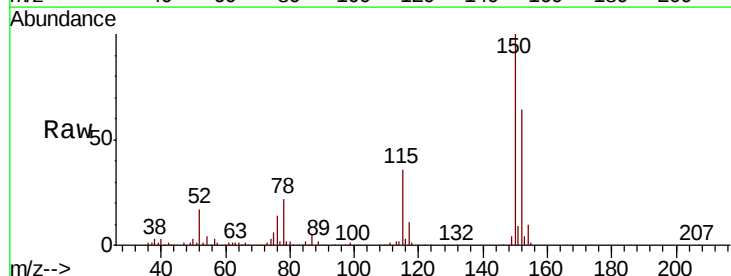
Tgt Ion:152 Resp: 260840

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.4

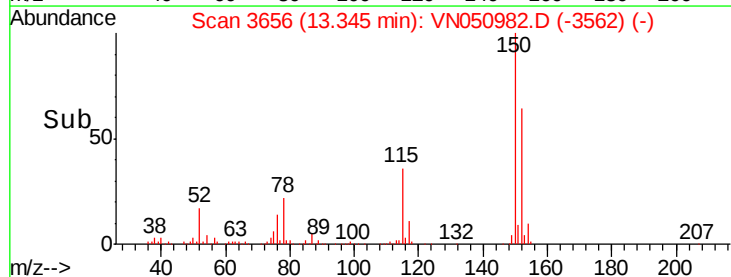
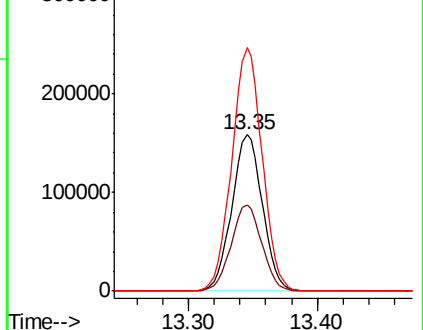
150 154.9 0.0 351.4

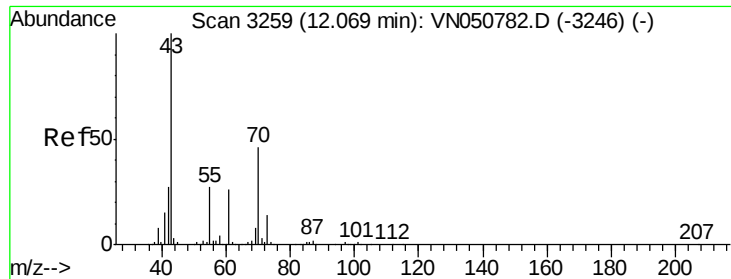


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.29 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

Instrument :

MSVOA_N

ClientSampled :

PB112510TB

Tot Ion: 43 Resp: 1554

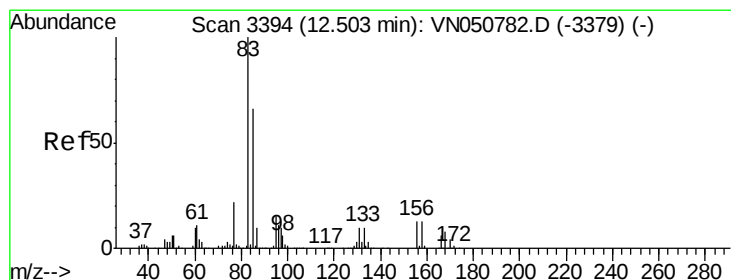
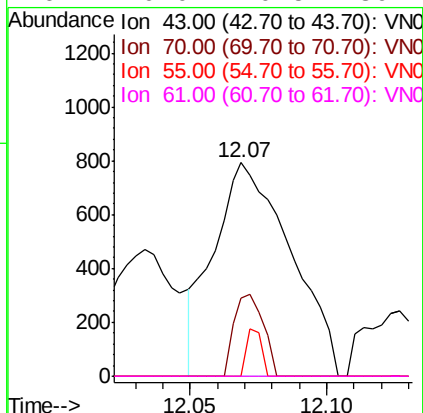
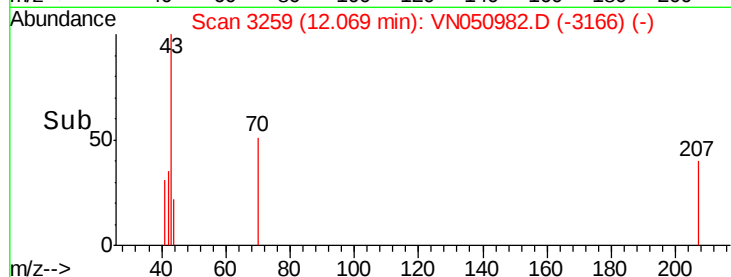
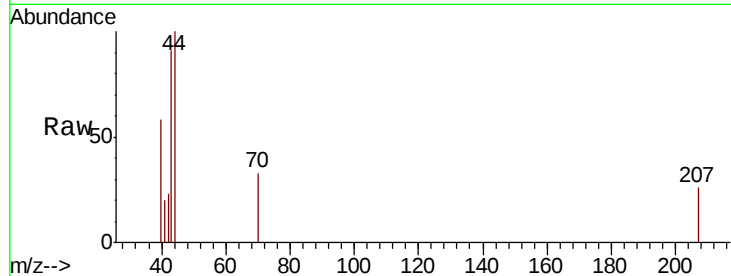
Ion Ratio Lower Upper

43 100

70 14.7 36.2 54.2#

55 4.2 21.8 32.8#

61 0.0 20.5 30.7#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

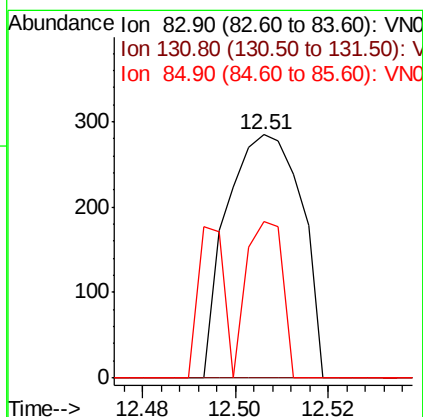
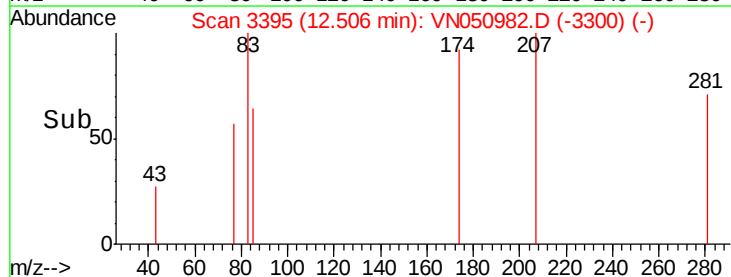
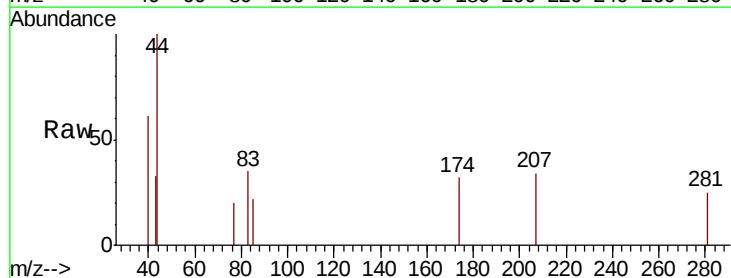
Tgt Ion: 83 Resp: 318

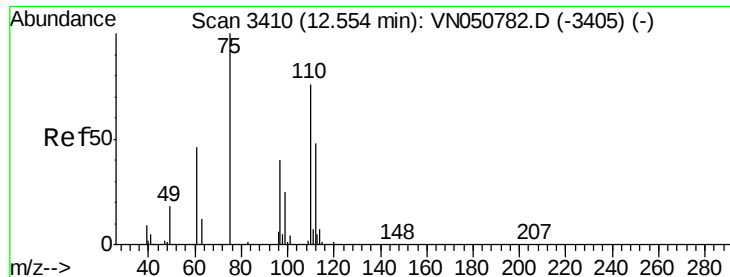
Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

85 31.1 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 35.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

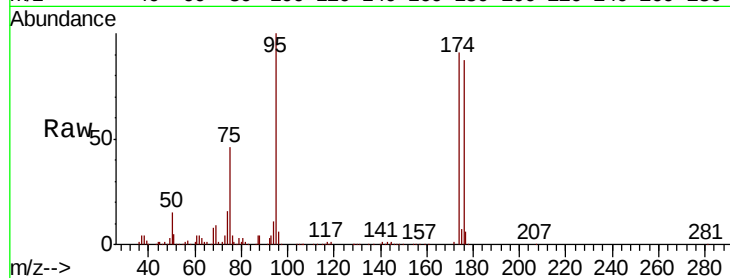
PB112510TB

Tot Ion: 75 Resp: 160453

Ion Ratio Lower Upper

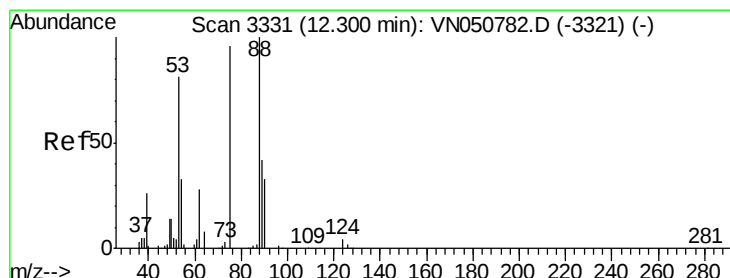
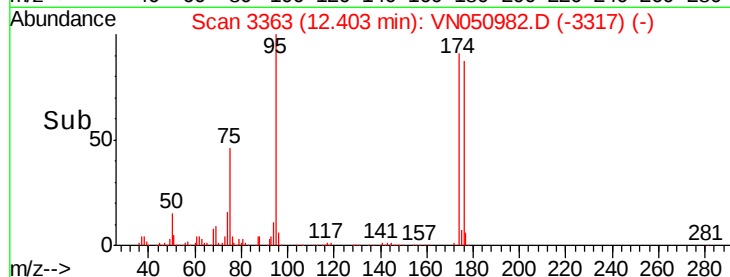
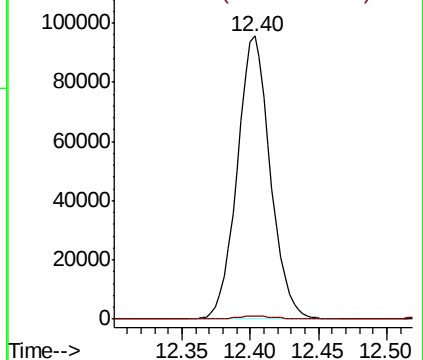
75 100

77 1.3 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: 118.73 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

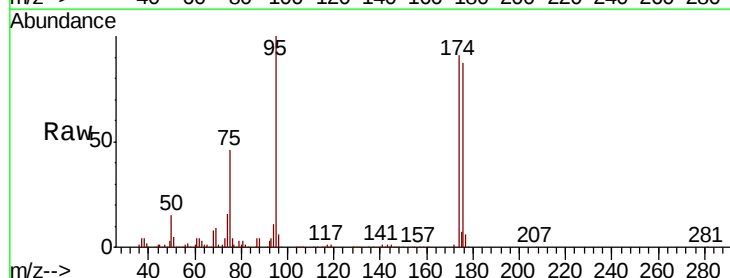
Tgt Ion: 75 Resp: 160453

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

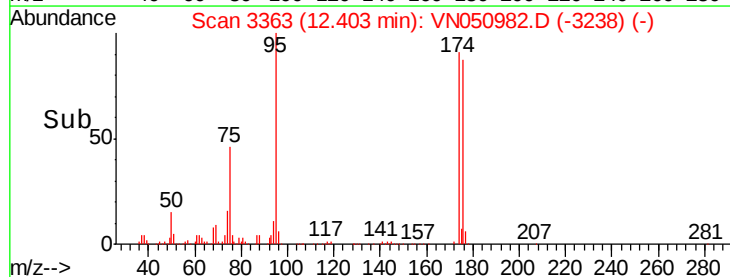
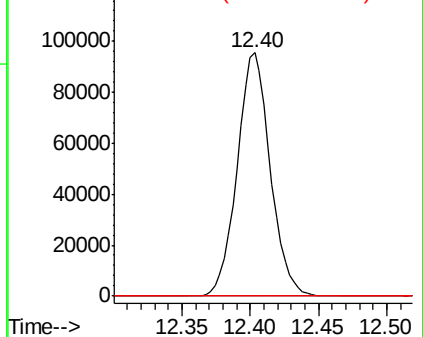
89 0.0 36.1 54.1#

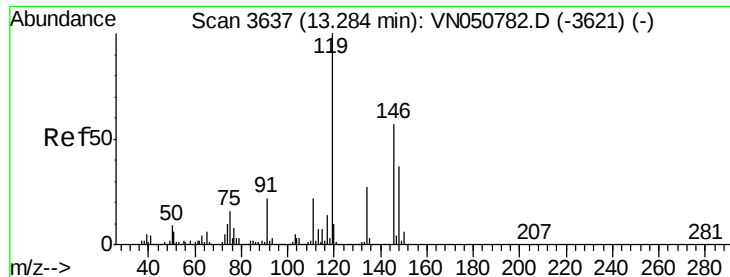


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

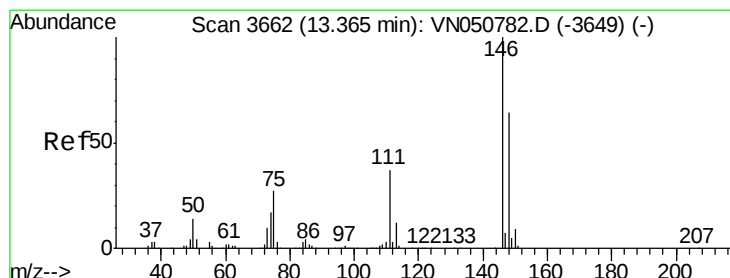
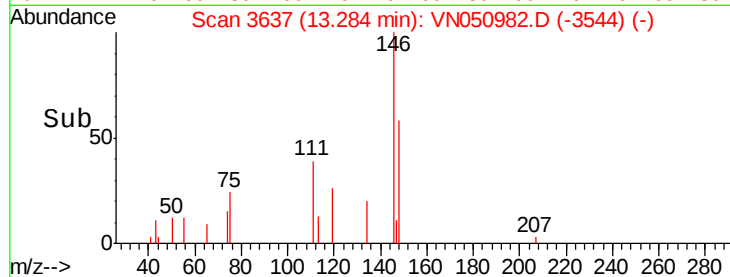
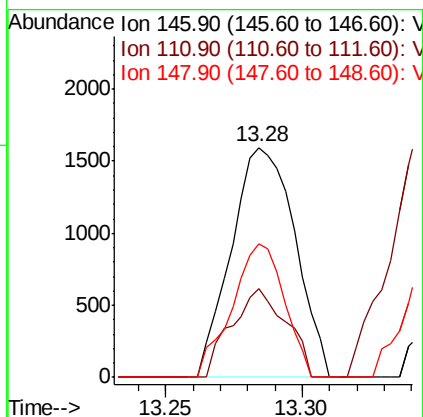
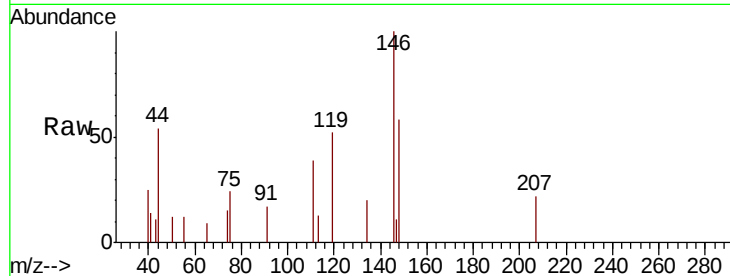




#87
 1,3-Dichlorobenzene
 Concen: 0.26 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050982.D
 Acq: 31 Aug 2018 12:47

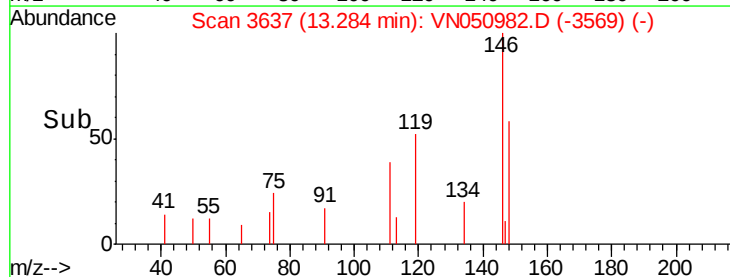
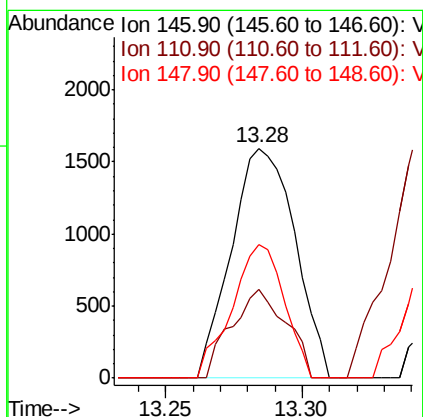
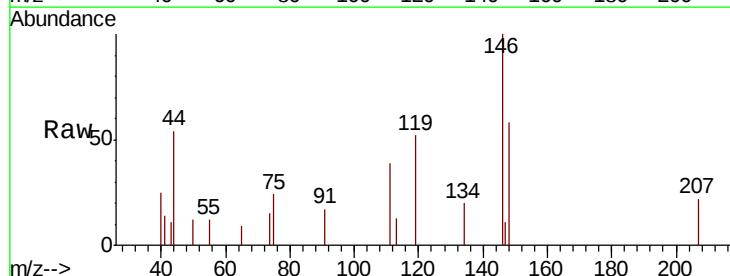
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112510TB

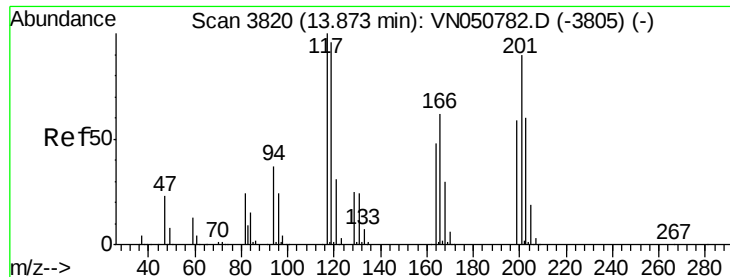
Tot Ion:146 Resp: 2582
 Ion Ratio Lower Upper
 146 100
 111 33.3 19.1 57.3
 148 47.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 0.26 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.08 min
 Lab File: VN050982.D
 Acq: 31 Aug 2018 12:47

Tgt Ion:146 Resp: 2582
 Ion Ratio Lower Upper
 146 100
 111 33.3 18.8 56.3
 148 47.6 32.2 96.6





#90

Hexachloroethane

Concen: 0.20 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. 0.00 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

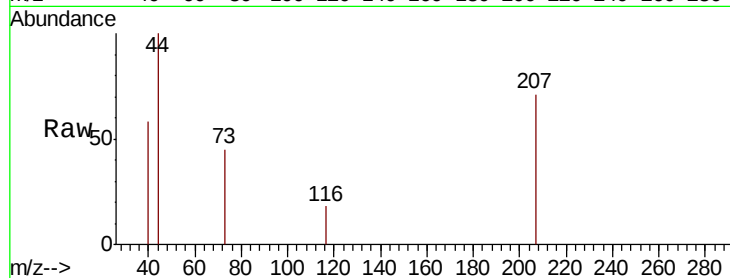
PB112510TB

Tot Ion:117 Resp: 59

Ion Ratio Lower Upper

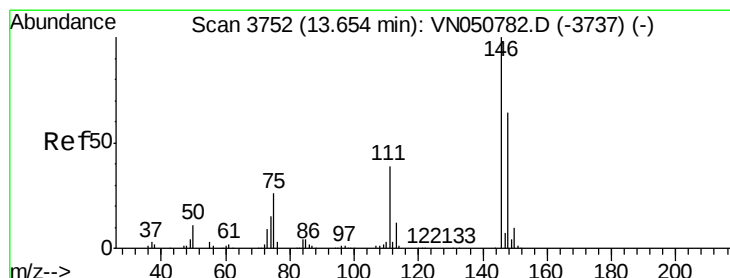
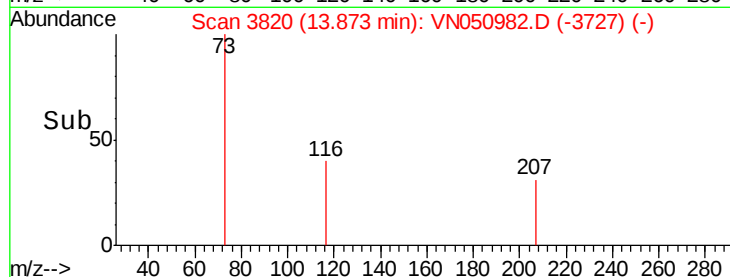
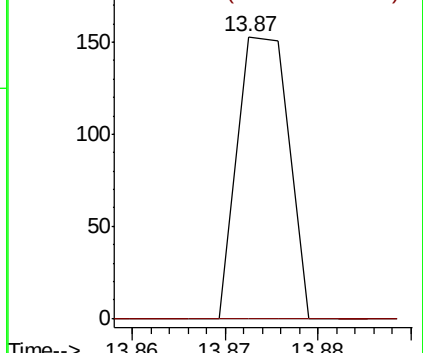
117 100

201 0.0 46.0 137.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.24 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.01 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

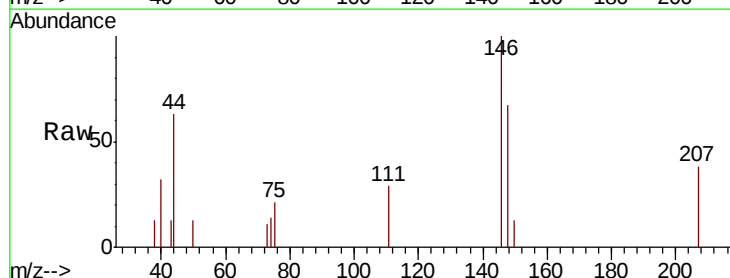
Tgt Ion:146 Resp: 2278

Ion Ratio Lower Upper

146 100

111 38.9 19.8 59.3

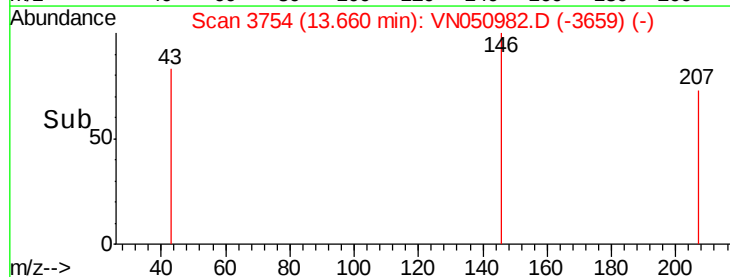
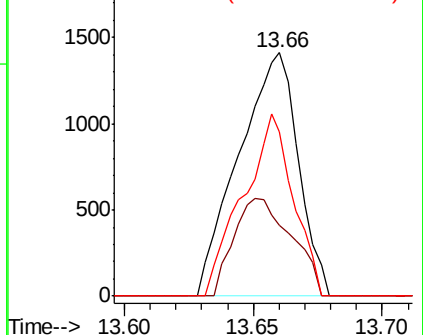
148 63.3 32.3 96.8

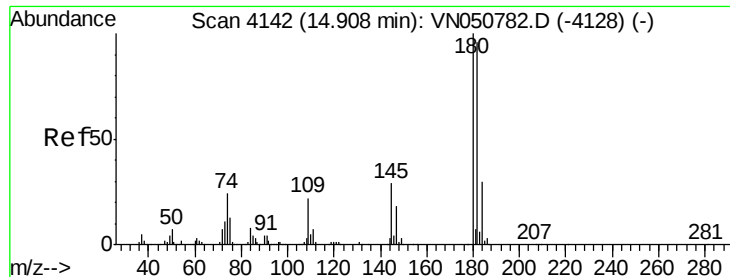


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

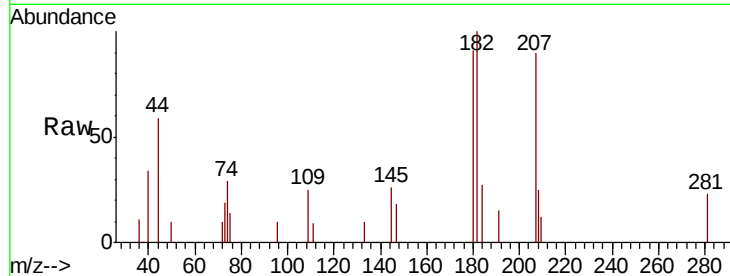




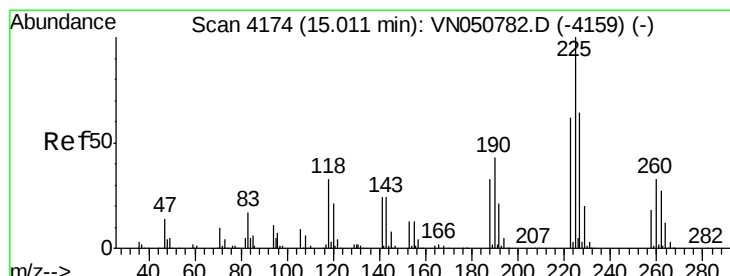
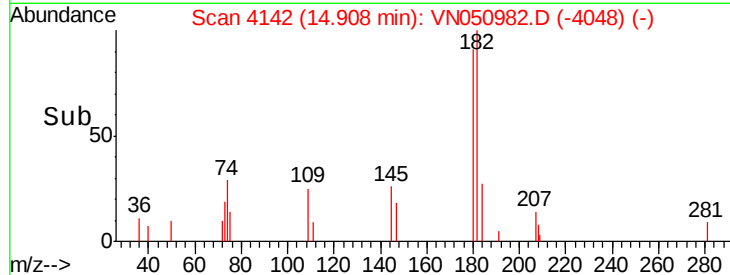
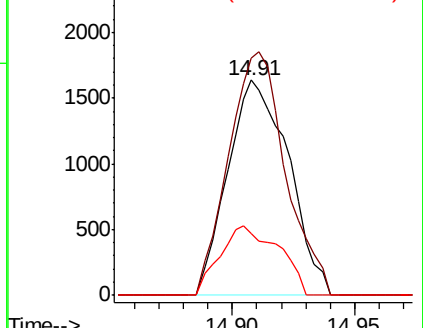
#93
 1,2,4-Trichlorobenzene
 Concen: 4.60 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050982.D
 Acq: 31 Aug 2018 12:47

Instrument :
 MSVOA_N
 ClientSampled :
 PB112510TB

Tot Ion:180 Resp: 2834
 Ion Ratio Lower Upper
 180 100
 182 105.5 48.2 144.6
 145 31.3 14.1 42.2

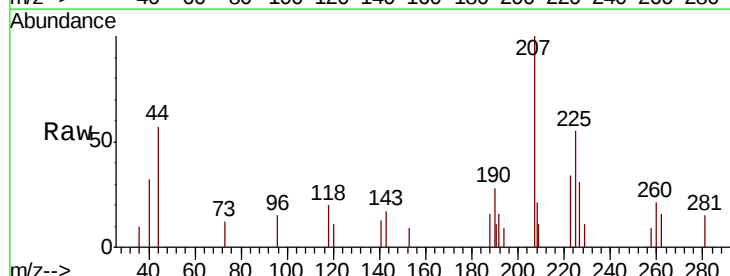


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

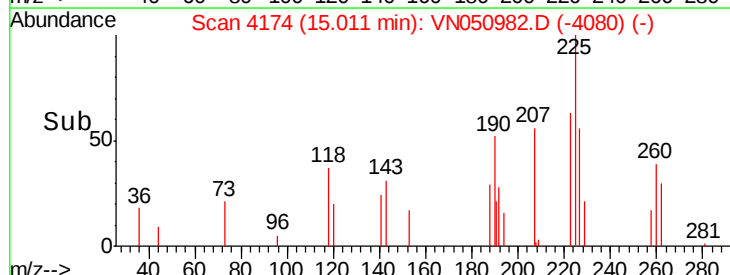
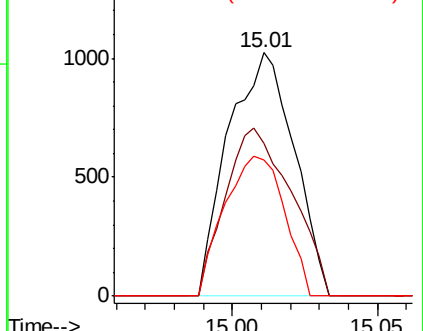


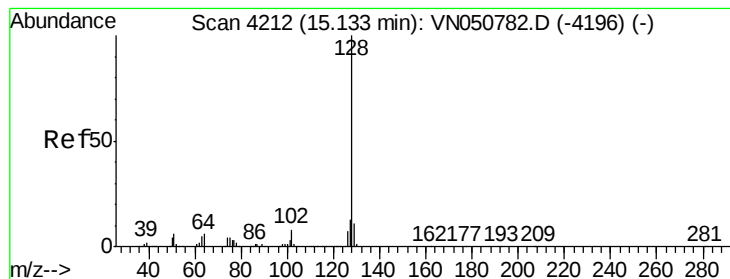
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050982.D
 Acq: 31 Aug 2018 12:47

Tgt Ion:225 Resp: 1608
 Ion Ratio Lower Upper
 225 100
 223 69.4 31.3 93.8
 227 52.5 32.0 96.2



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: 5.97 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

PB112510TB

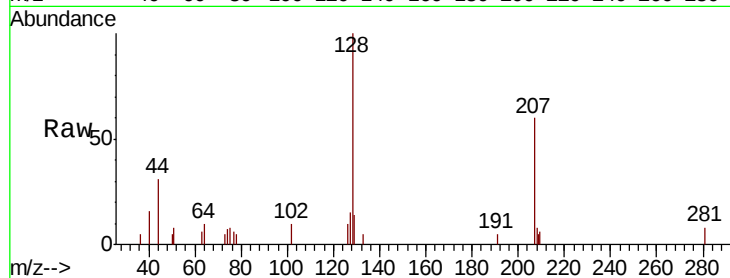
Tot Ion:128 Resp: 6678

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

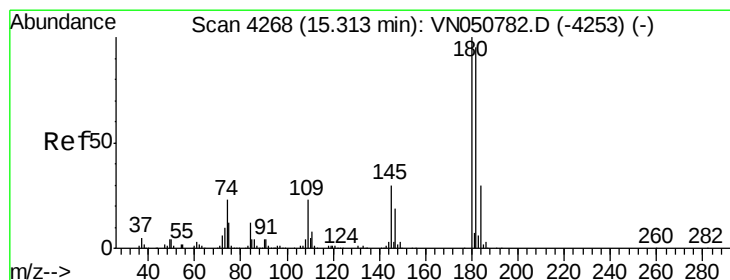
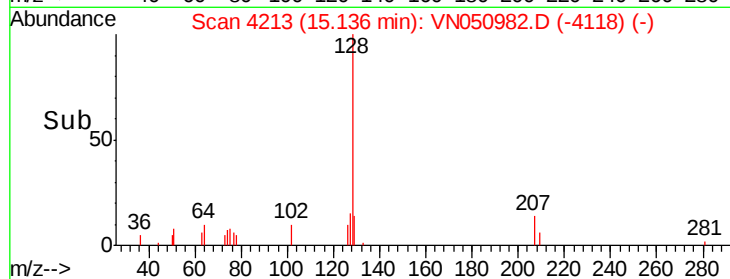
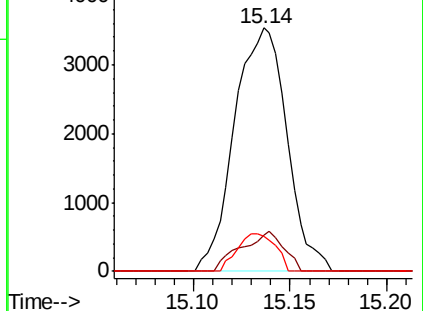
129 11.2 8.7 13.1



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: 3.97 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050982.D

Acq: 31 Aug 2018 12:47

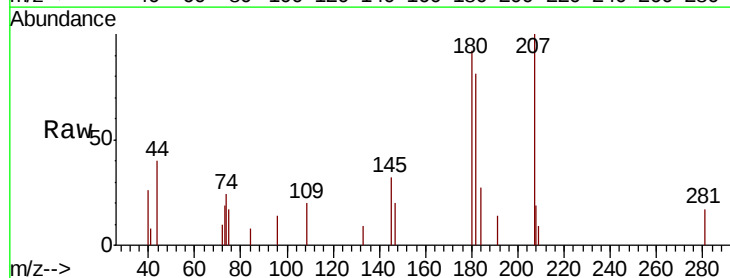
Tgt Ion:180 Resp: 3405

Ion Ratio Lower Upper

180 100

182 97.1 48.0 144.2

145 34.6 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

