

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121818\
 Data File : VN052964.D
 Acq On : 18 Dec 2018 16:38
 Operator : MD\SY
 Sample : J6378-06ME
 Misc : 3.21g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD010-0006-01ME

Quant Time: Dec 19 03:47:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1258614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1915568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1682054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	710889	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	602757	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
35) Dibromofluoromethane	7.59	113	426082	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	10.09	98	2332986	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	753217	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

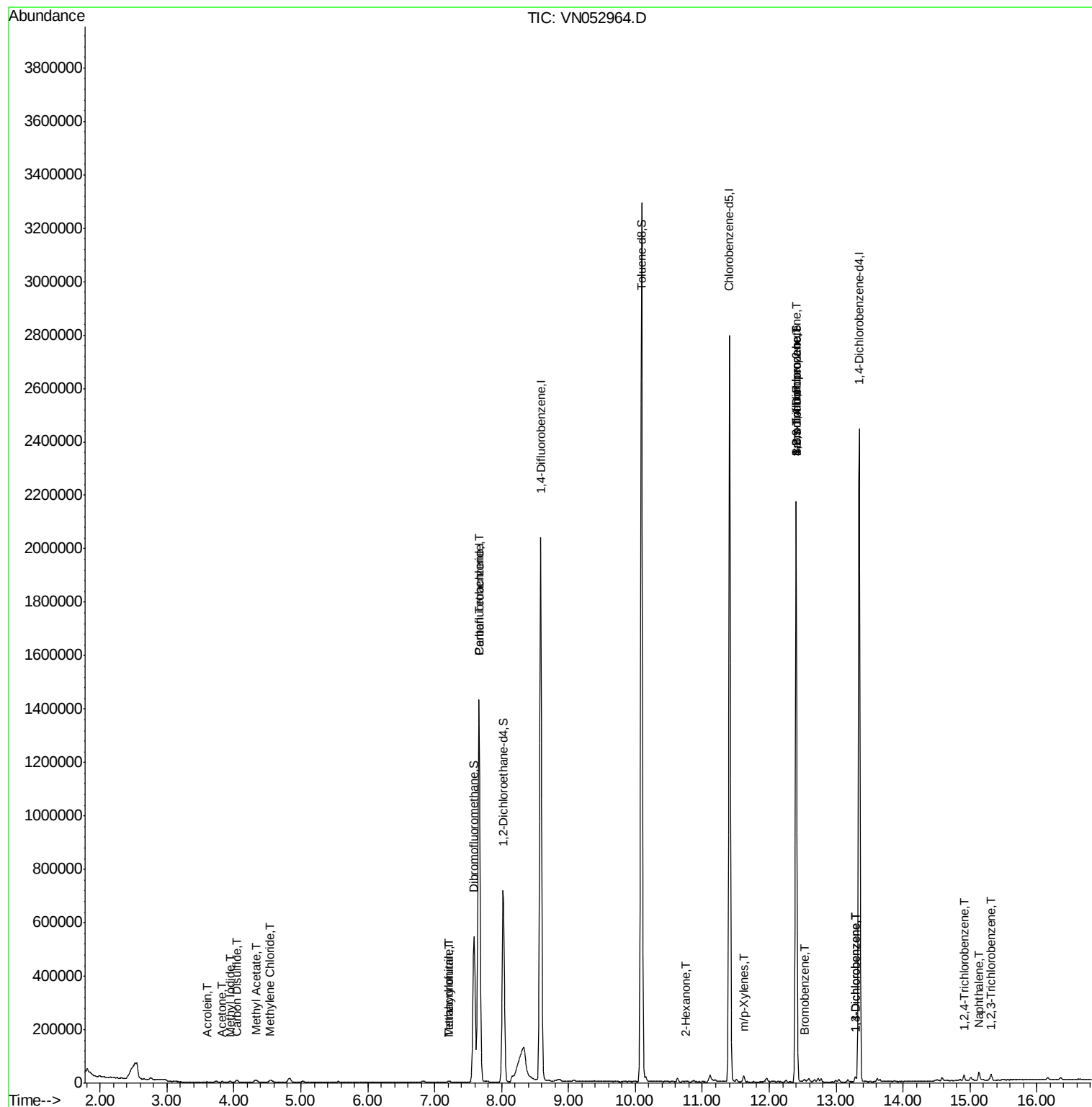
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	5598	0.321	ug/l #	73
13) Acrolein	3.60	56	962	1.361	ug/l	94
16) Acetone	3.82	43	4985	1.991	ug/l	94
17) Carbon Disulfide	4.05	76	16193	0.414	ug/l	99
18) Methyl Acetate	4.33	43	17808	2.528	ug/l #	71
20) Methylene Chloride	4.54	84	5915	0.433	ug/l #	90
29) Tetrahydrofuran	7.22	42	3816	1.216	ug/l #	66
31) Cyclohexane	7.66	56	22223	Below Cal	#	1
38) Carbon Tetrachloride	7.66	117	110467	6.555	ug/l #	15
41) Methacrylonitrile	7.21	41	2307	0.389	ug/l #	23
43) Isopropyl Acetate	8.16	43	11282	Below Cal	#	53
59) 2-Hexanone	10.76	43	2490	0.370	ug/l	83
68) m/p-Xylenes	11.62	106	7324	0.300	ug/l	93
71) Bromoform	12.40	173	4254	0.454	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	350668	29.303	ug/l #	100
77) Bromobenzene	12.53	156	3690	0.255	ug/l #	32
81) trans-1,4-Dichloro-2-buten	12.40	75	350668	94.446	ug/l #	12
87) 1,3-Dichlorobenzene	13.28	146	5590	0.218	ug/l	88
88) 1,4-Dichlorobenzene	13.28	146	5590	0.216	ug/l	88
93) 1,2,4-Trichlorobenzene	14.91	180	7463	1.174	ug/l	96
94) Hexachlorobutadiene	15.02	225	2467	Below Cal		86
95) Naphthalene	15.14	128	27525	2.109	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	8840	1.269	ug/l	99

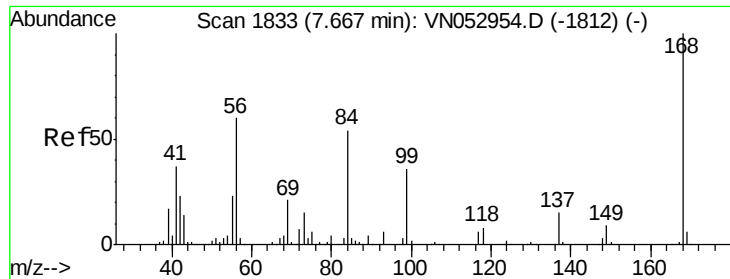
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

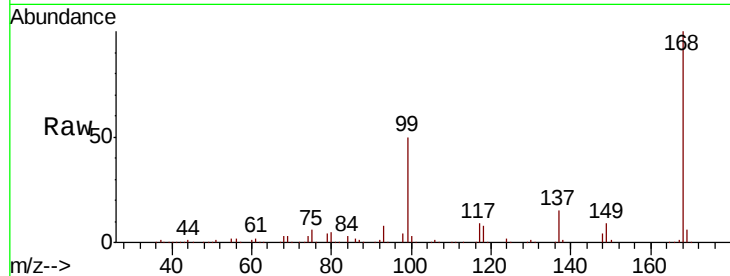
P001-SD010-0006-01ME

Tot Ion:168 Resp: 1258614

Ion Ratio Lower Upper

168 100

99 50.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

600000

500000

400000

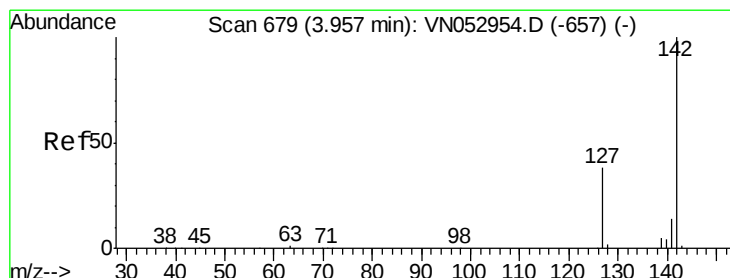
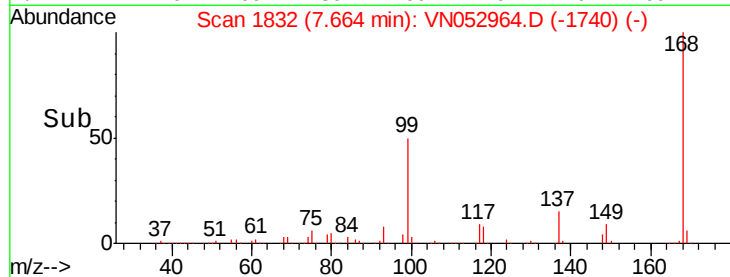
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 0.321 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

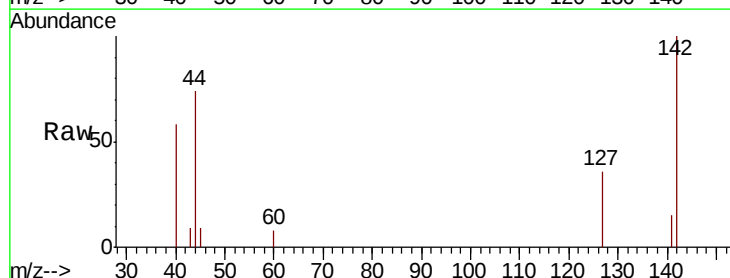
Tgt Ion:142 Resp: 5598

Ion Ratio Lower Upper

142 100

127 18.8 31.0 46.6#

141 9.2 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2500

2000

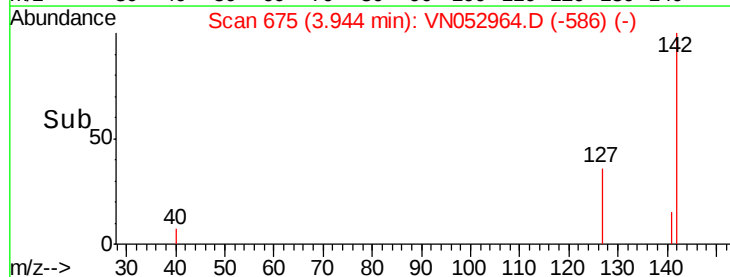
1500

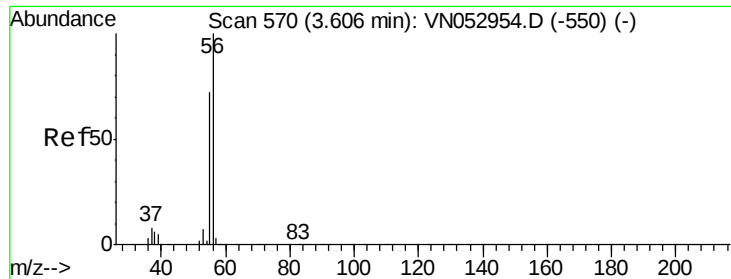
1000

500

0

Time-->

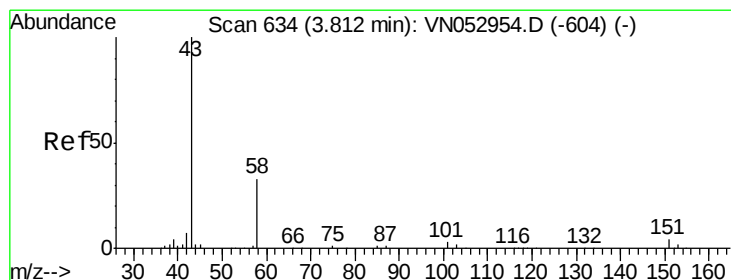
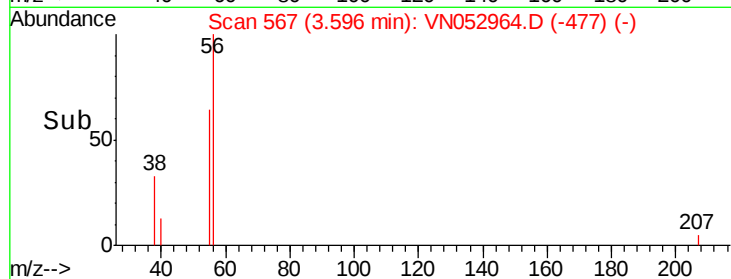
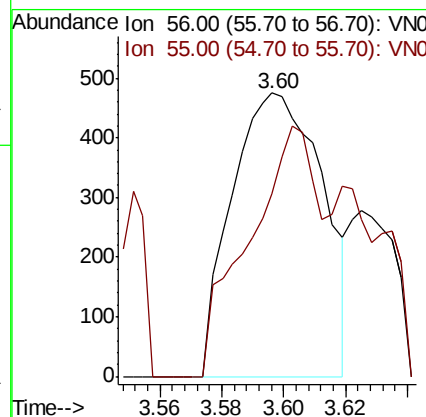
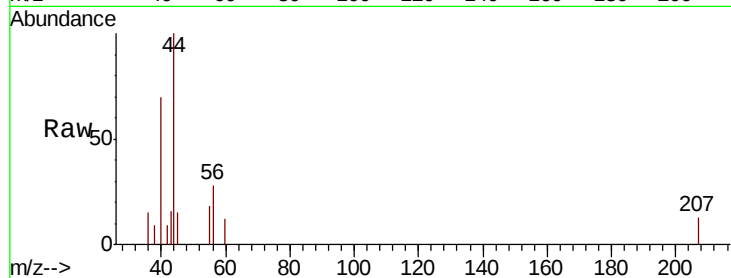




#13
Acrolein
Concen: 1.361 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.01 min
Lab File: VN052964.D
Acq: 18 Dec 2018 16:38

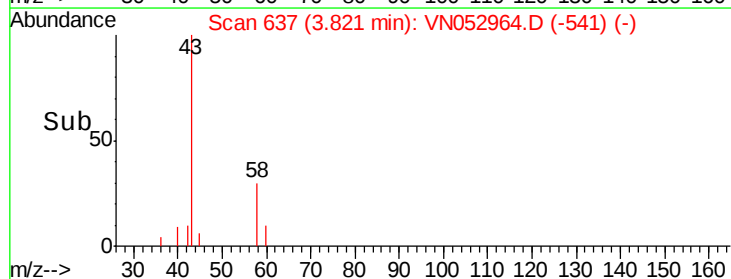
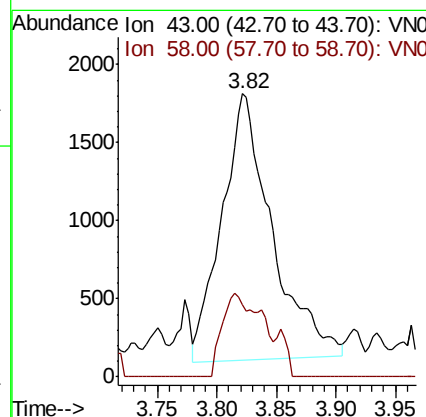
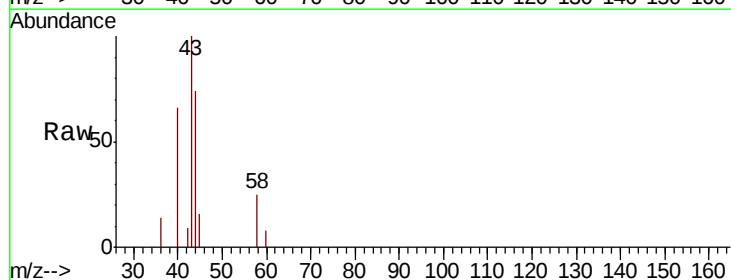
Instrument :
MSVOA_N
ClientSampleId :
P001-SD010-0006-01ME

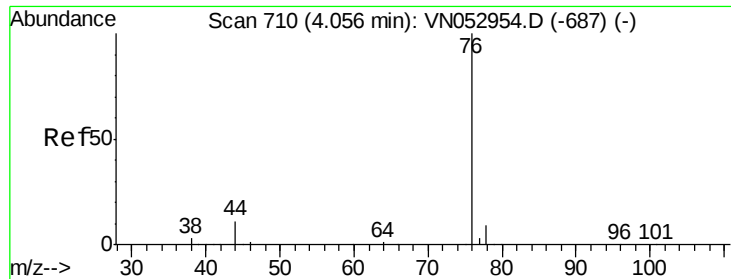
Tot Ion: 56 Resp: 962
Ion Ratio Lower Upper
56 100
55 66.1 56.6 85.0



#16
Acetone
Concen: 1.991 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN052964.D
Acq: 18 Dec 2018 16:38

Tgt Ion: 43 Resp: 4985
Ion Ratio Lower Upper
43 100
58 28.5 25.4 38.0

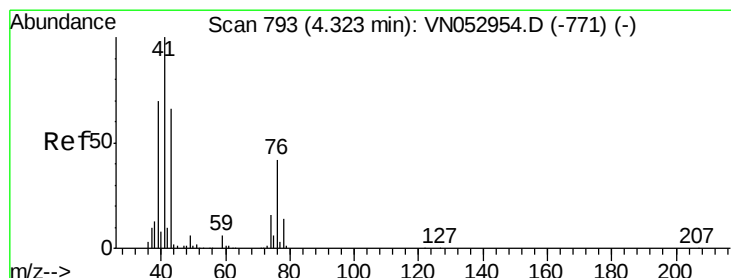
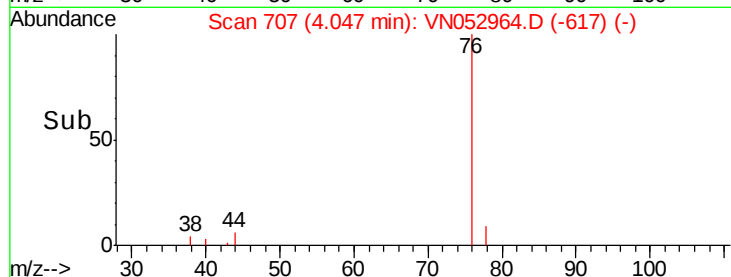
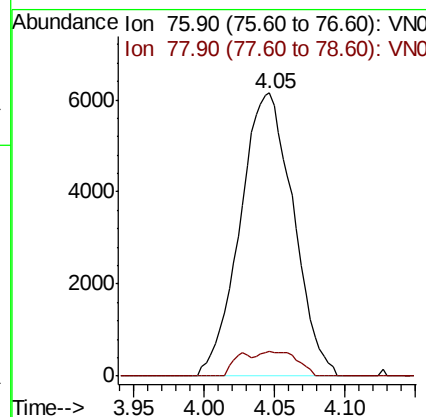
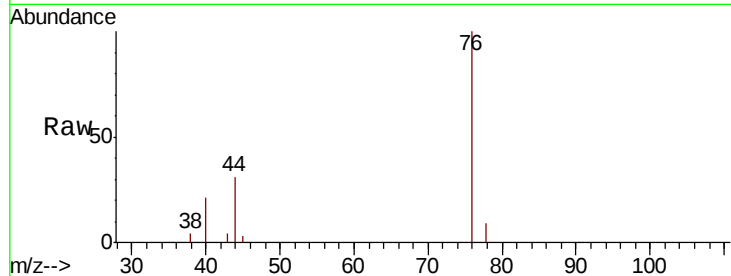




#17
Carbon Disulfide
Concen: 0.414 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.01 min
Lab File: VN052964.D
Acq: 18 Dec 2018 16:38

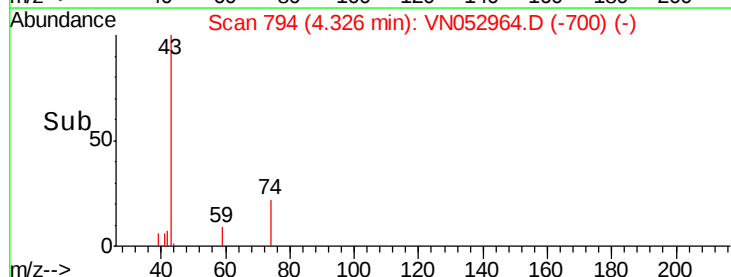
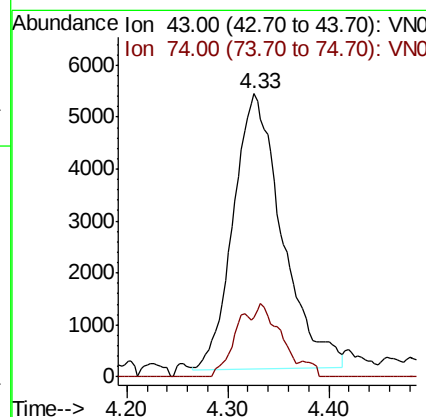
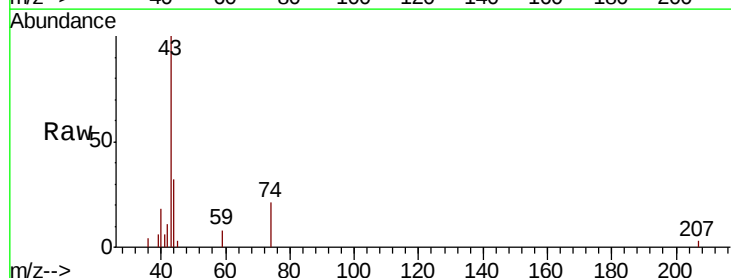
Instrument :
MSVOA_N
ClientSampleId :
P001-SD010-0006-01ME

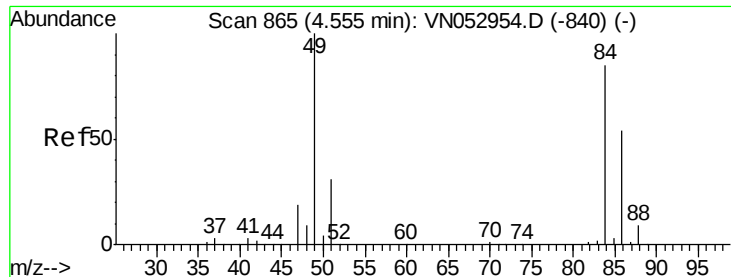
Tot Ion: 76 Resp: 16193
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7



#18
Methyl Acetate
Concen: 2.528 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052964.D
Acq: 18 Dec 2018 16:38

Tgt Ion: 43 Resp: 17808
Ion Ratio Lower Upper
43 100
74 9.5 19.2 28.8#





#20

Methvlene Chloride

Concen: 0.433 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.01 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

P001-SD010-0006-01ME

Tot Ion: 84 Resp: 5915

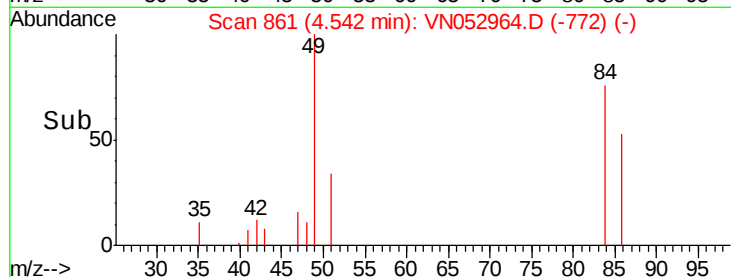
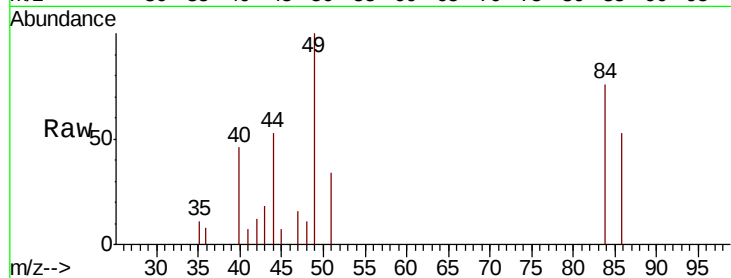
Ion Ratio Lower Upper

84 100

49 132.4 96.8 145.2

51 45.7 29.9 44.9#

86 70.5 51.8 77.6

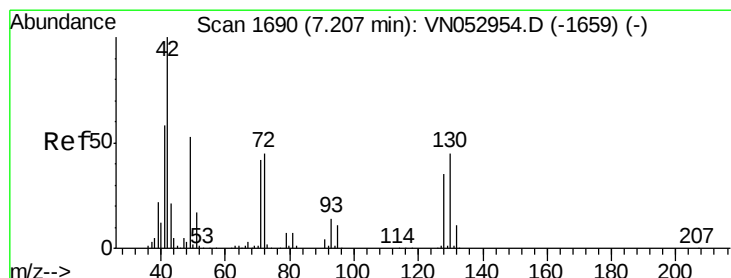
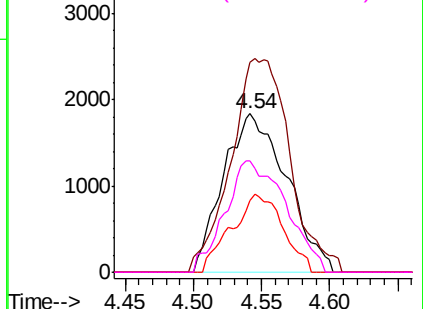


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#29

Tetrahydrofuran

Concen: 1.216 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.02 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

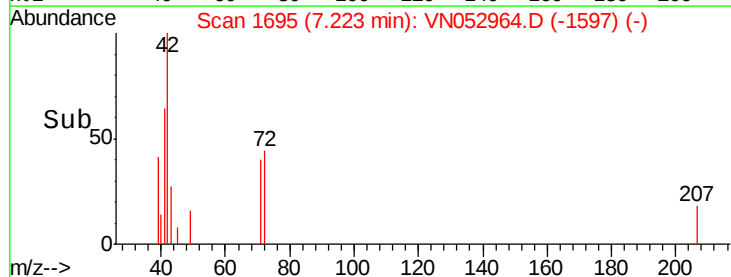
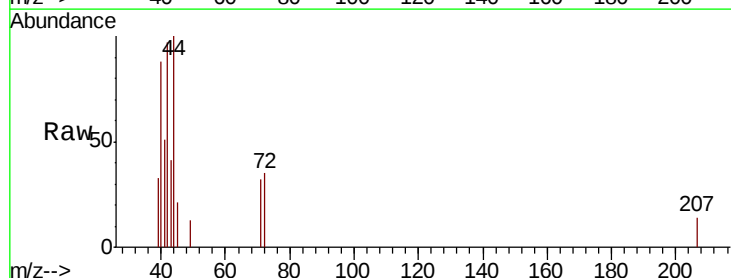
Tgt Ion: 42 Resp: 3816

Ion Ratio Lower Upper

42 100

72 12.9 34.7 52.1#

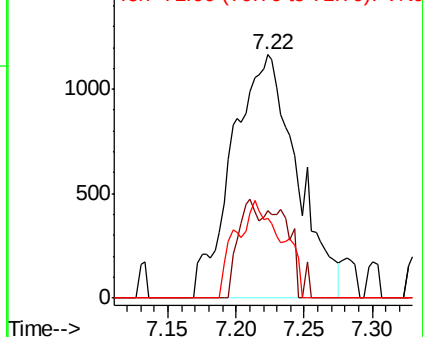
71 28.6 32.3 48.5#

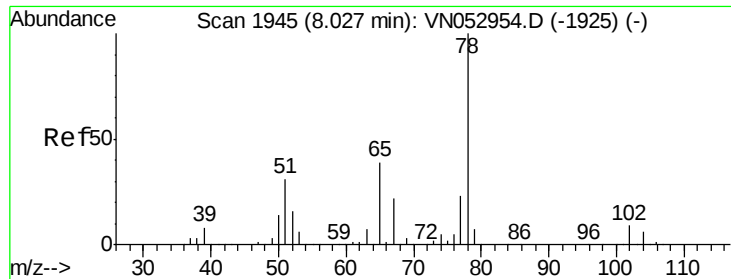


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

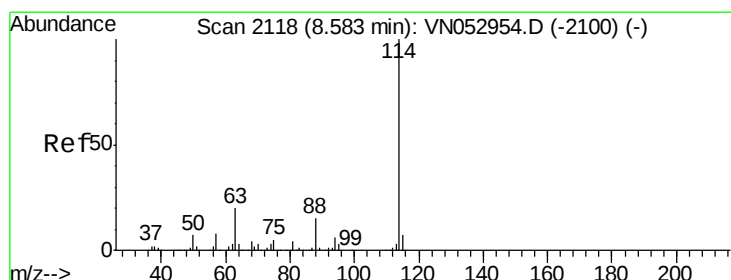
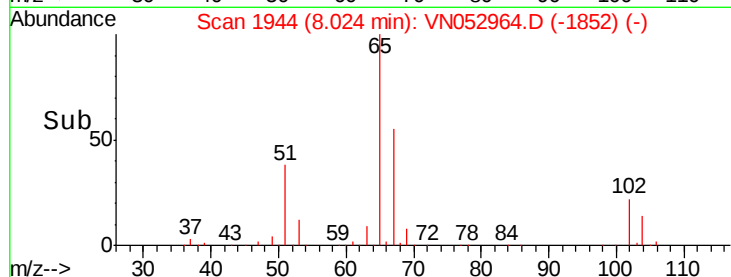
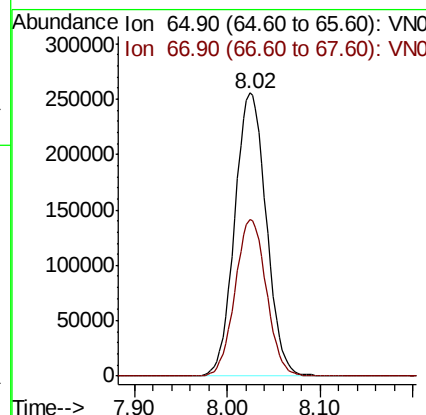
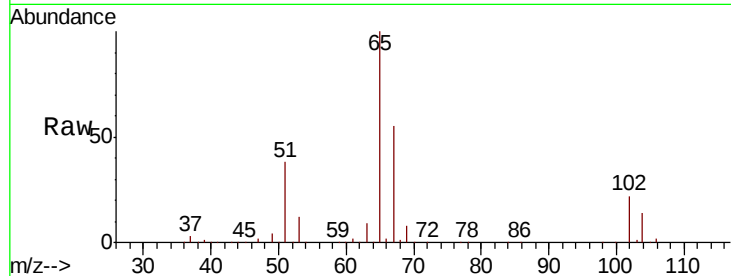




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052964.D
 Acq: 18 Dec 2018 16:38

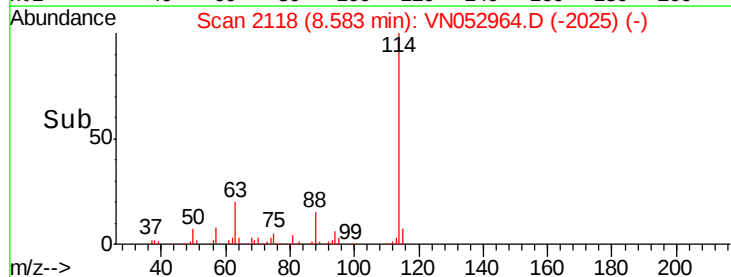
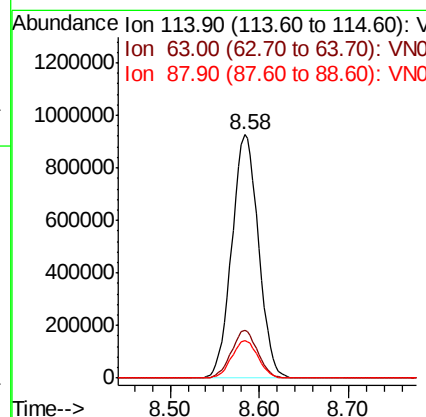
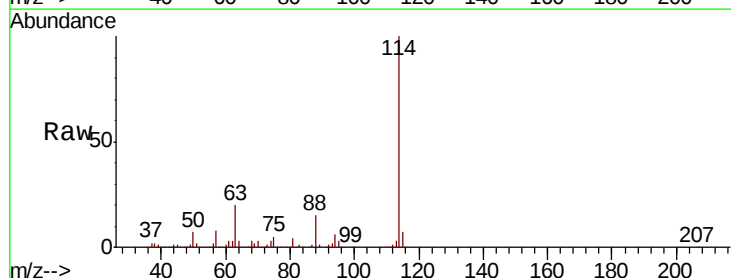
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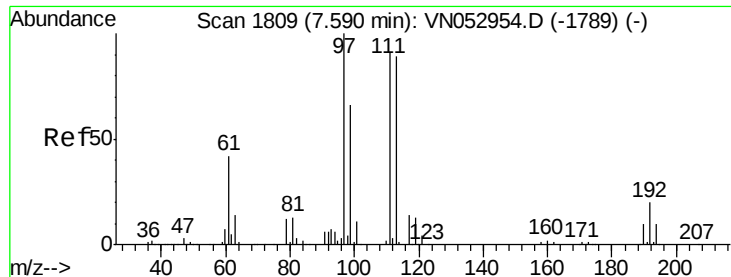
Tot Ion: 65 Resp: 602757
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052964.D
 Acq: 18 Dec 2018 16:38

Tgt Ion: 114 Resp: 1915568
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.3 0.0 31.0

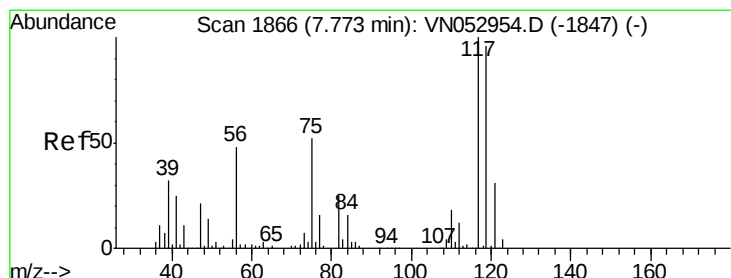
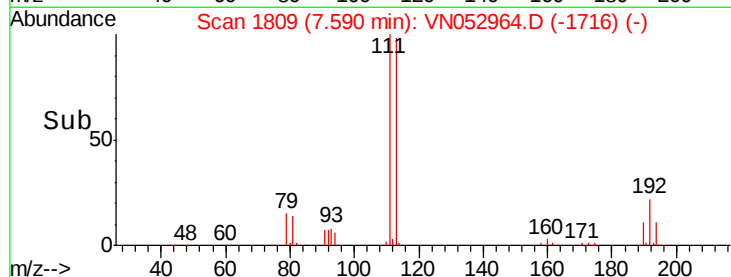
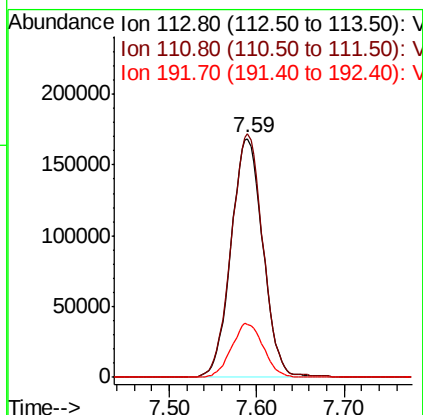
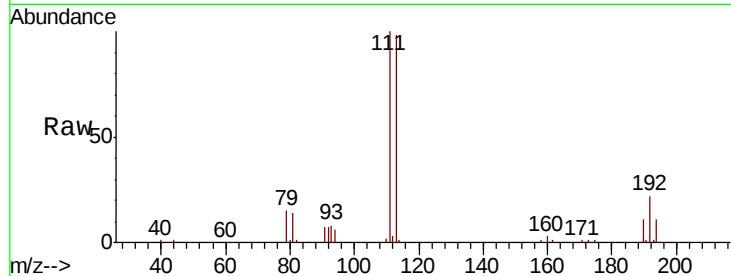




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052964.D
Acq: 18 Dec 2018 16:38

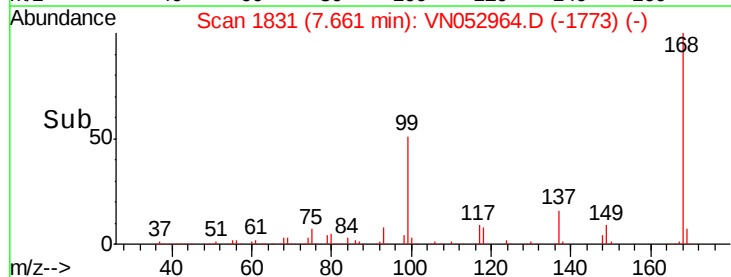
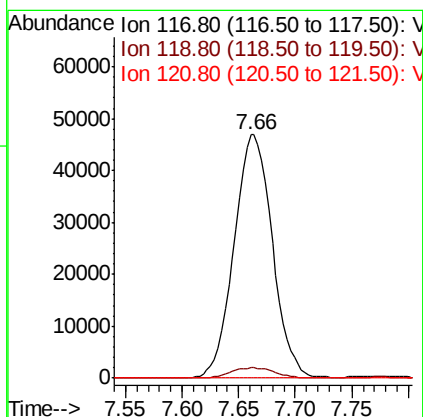
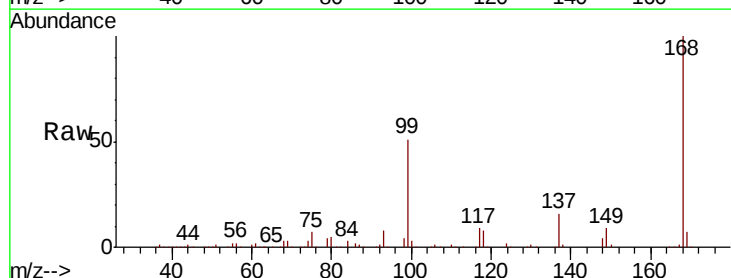
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P001-SD010-0006-01ME

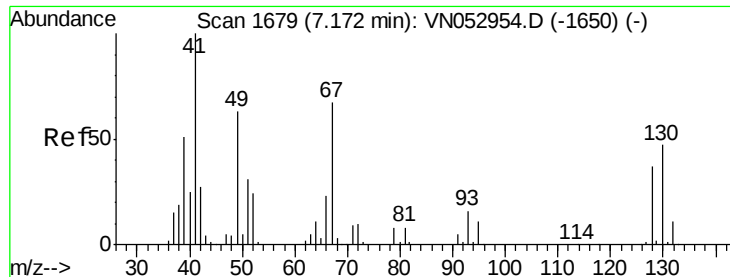
Tot Ion:113 Resp: 426082
Ion Ratio Lower Upper
113 100
111 101.8 83.0 124.4
192 22.6 17.5 26.3



#38
Carbon Tetrachloride
Concen: 6.555 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN052964.D
Acq: 18 Dec 2018 16:38

Tgt Ion:117 Resp: 110467
Ion Ratio Lower Upper
117 100
119 4.2 77.1 115.7#
121 0.0 24.9 37.3#





#41

Methacrylonitrile

Concen: 0.389 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.04 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

P001-SD010-0006-01ME

Tot Ion: 41 Resp: 2307

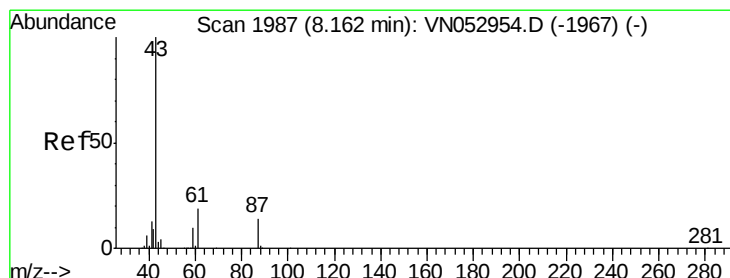
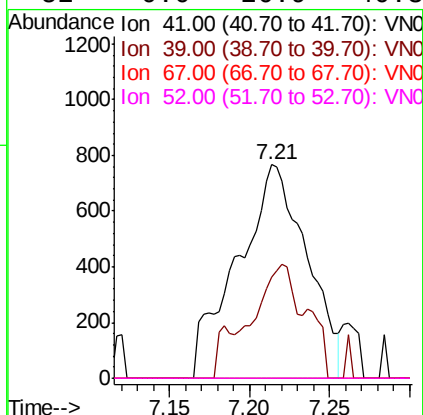
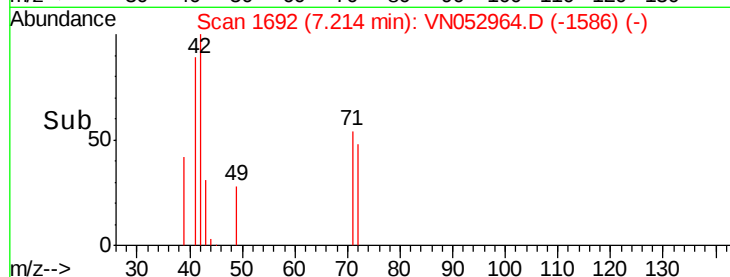
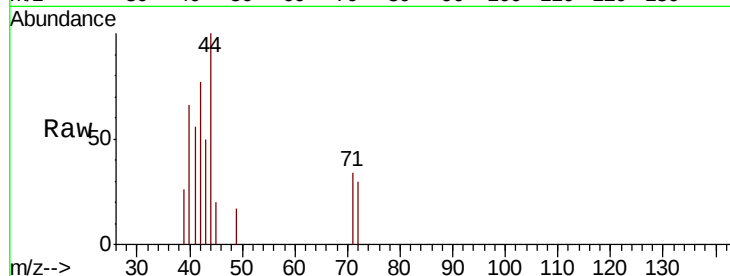
Ion Ratio Lower Upper

41 100

39 14.1 48.0 72.0#

67 0.0 70.3 105.5#

52 0.0 26.9 40.3#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

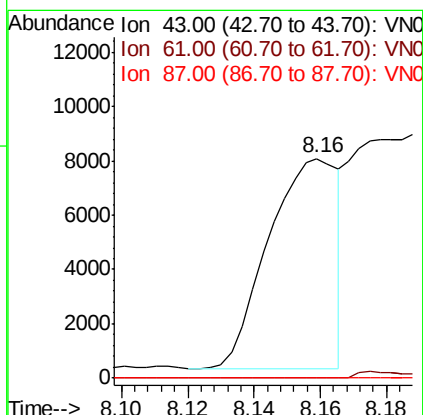
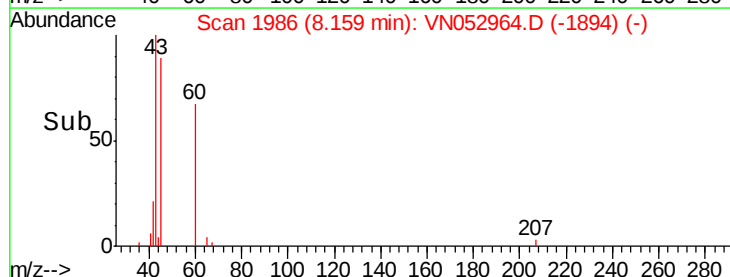
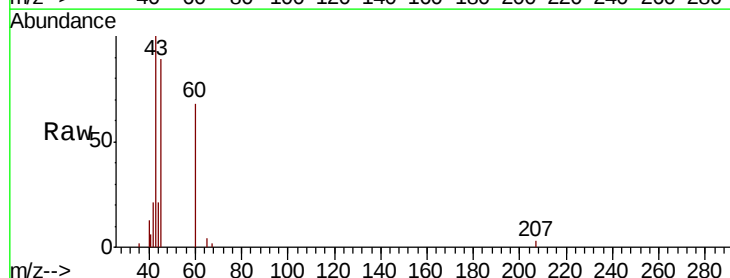
Tgt Ion: 43 Resp: 11282

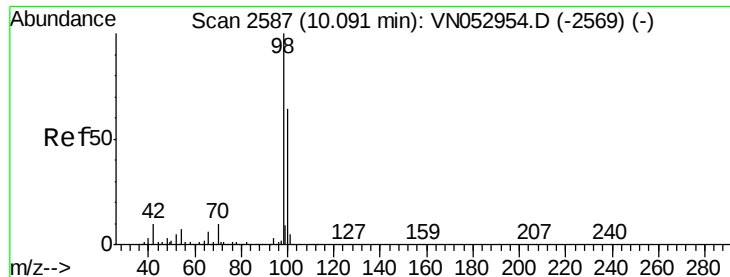
Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

87 0.0 10.6 15.8#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

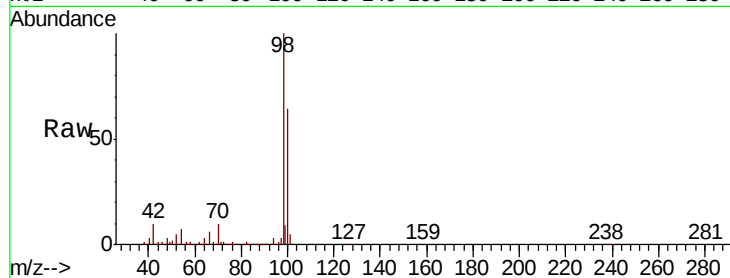
P001-SD010-0006-01ME

Tot Ion: 98 Resp: 2332986

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

1500000

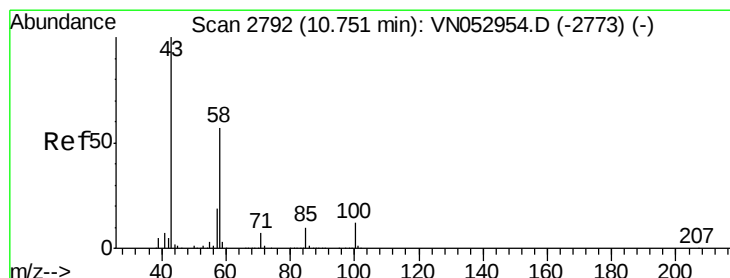
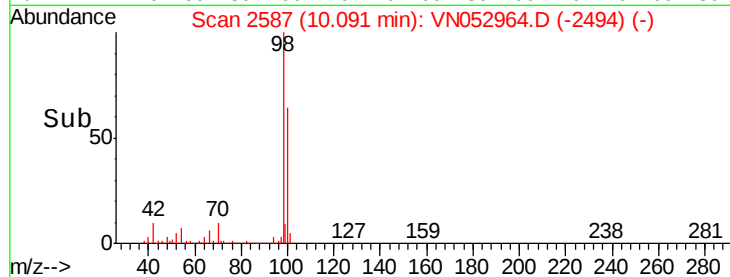
10.09

1000000

500000

0

Time-->



#59

2-Hexanone

Concen: 0.370 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN052964.D

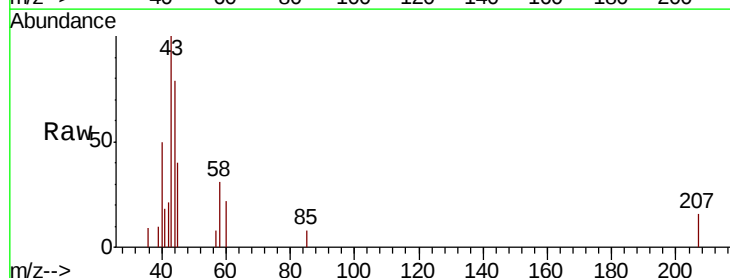
Acq: 18 Dec 2018 16:38

Tgt Ion: 43 Resp: 2490

Ion Ratio Lower Upper

43 100

58 43.9 28.1 84.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

2000

10.76

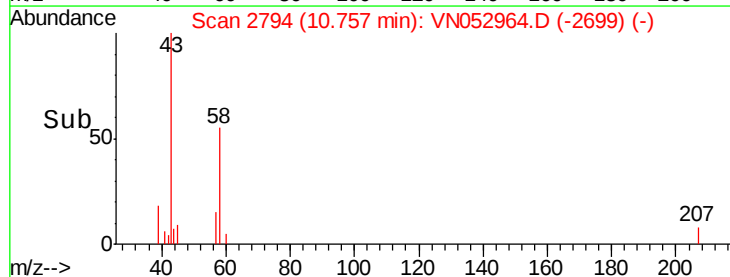
1500

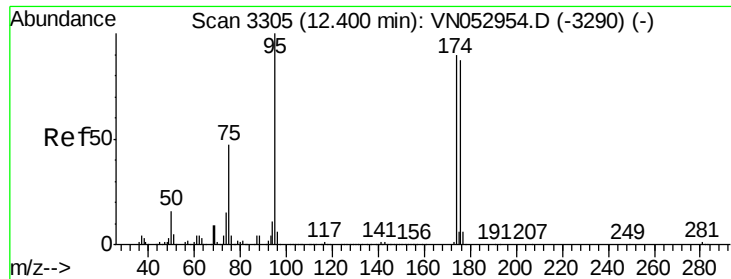
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

P001-SD010-0006-01ME

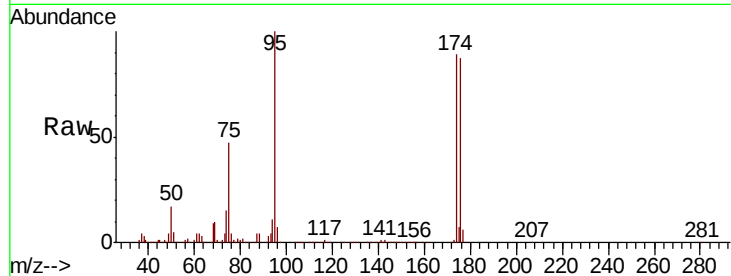
Tot Ion: 95 Resp: 753217

Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.8

176 87.3 0.0 173.8

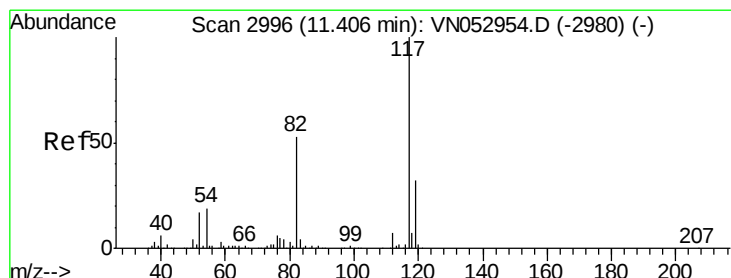
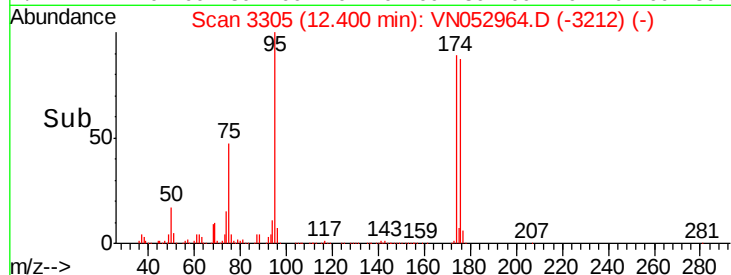


Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

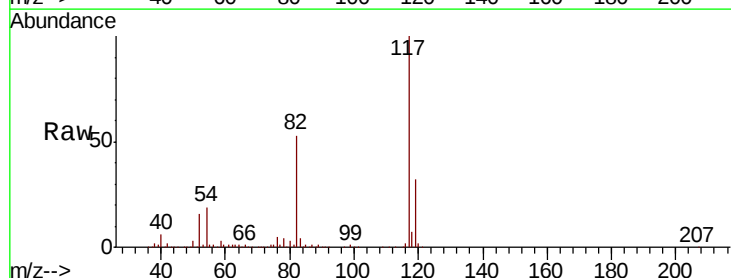
Tgt Ion: 117 Resp: 1682054

Ion Ratio Lower Upper

117 100

82 53.4 42.8 64.2

119 31.9 25.5 38.3

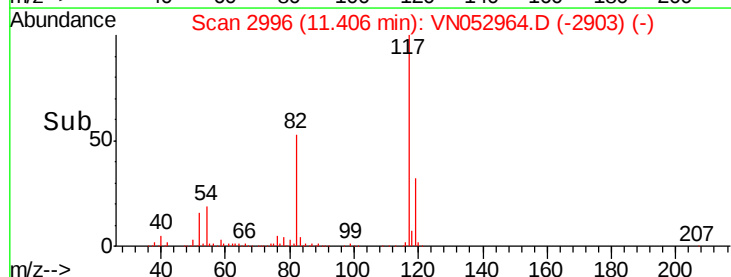


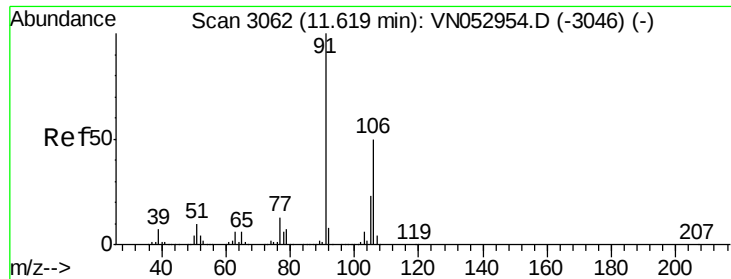
Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

Time--> 11.30 11.40 11.50

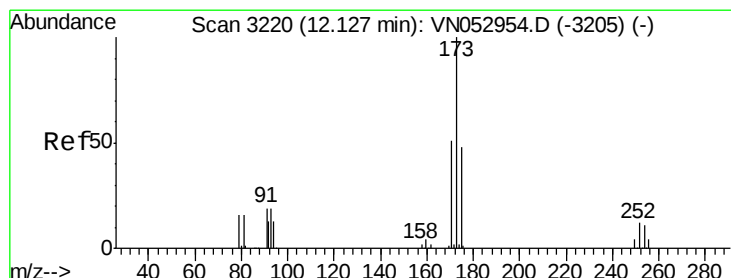
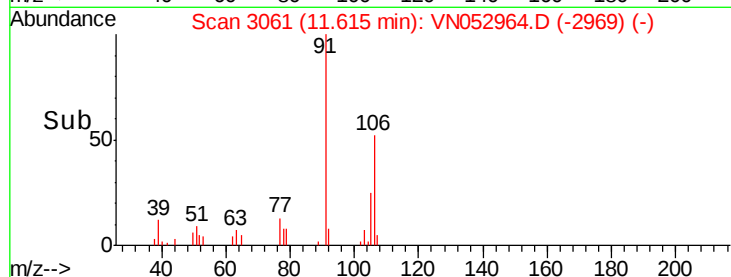
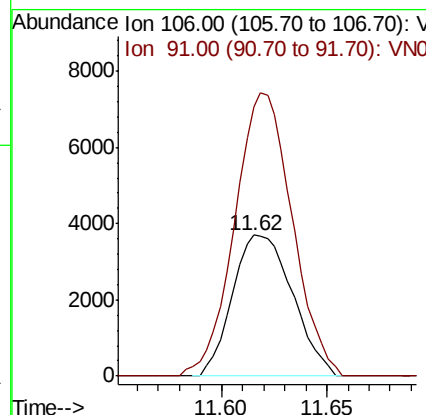
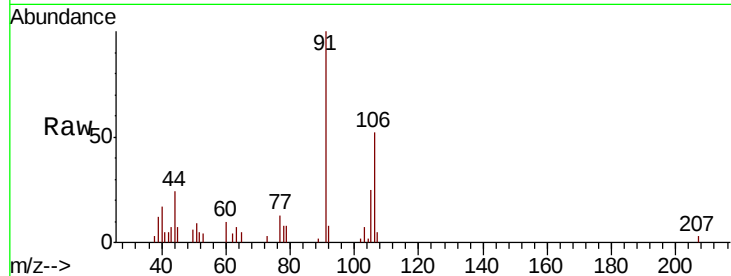




#68
m/p-Xvlenes
Concen: 0.300 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN052964.D
Acq: 18 Dec 2018 16:38

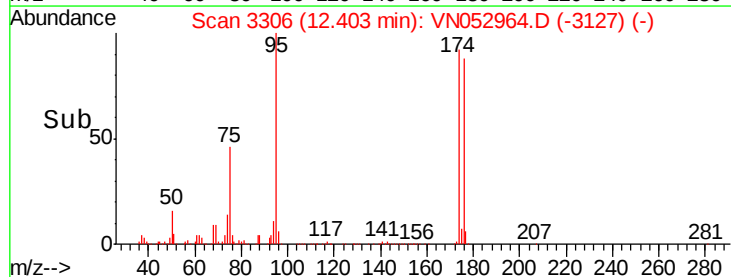
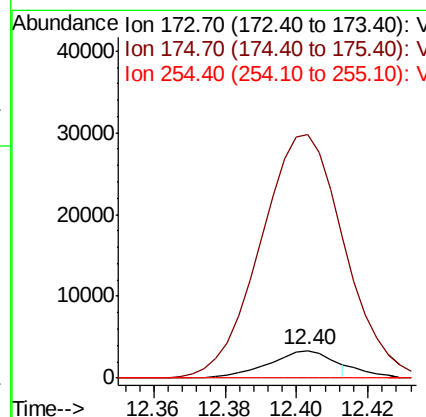
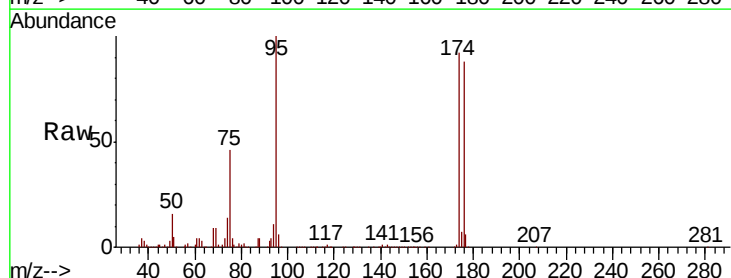
Instrument :
MSVOA_N
ClientSampleId :
P001-SD010-0006-01ME

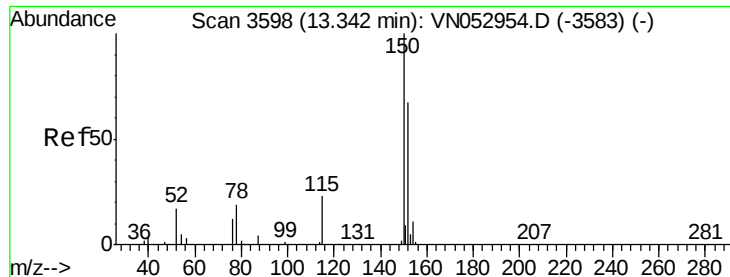
Tot Ion:106 Resp: 7324
Ion Ratio Lower Upper
106 100
91 192.6 162.2 243.4



#71
Bromoform
Concen: 0.454 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052964.D
Acq: 18 Dec 2018 16:38

Tgt Ion:173 Resp: 4254
Ion Ratio Lower Upper
173 100
175 1004.8 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

P001-SD010-0006-01ME

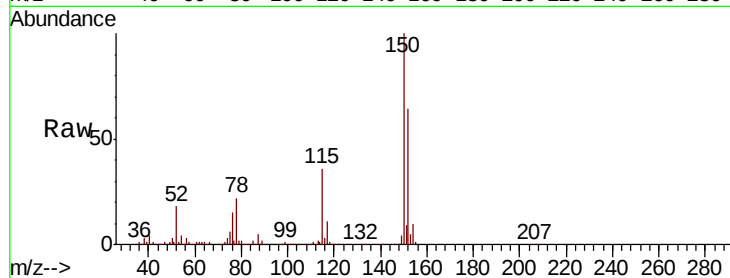
Tot Ion:152 Resp: 710889

Ion Ratio Lower Upper

152 100

115 56.5 28.3 85.0

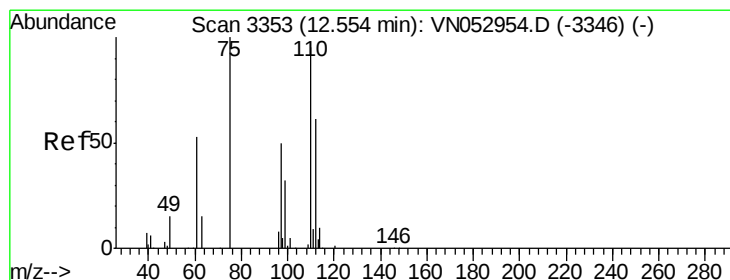
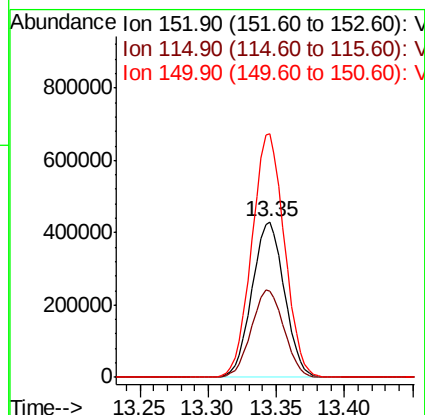
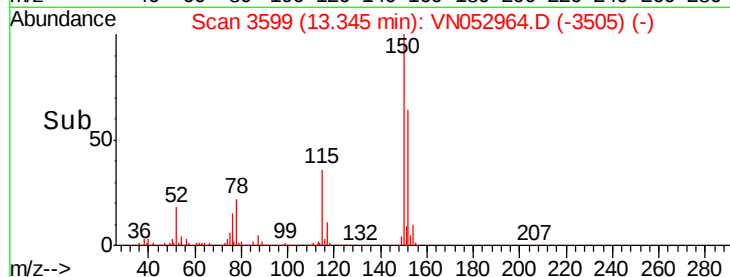
150 156.9 0.0 347.8



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: 29.303 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052964.D

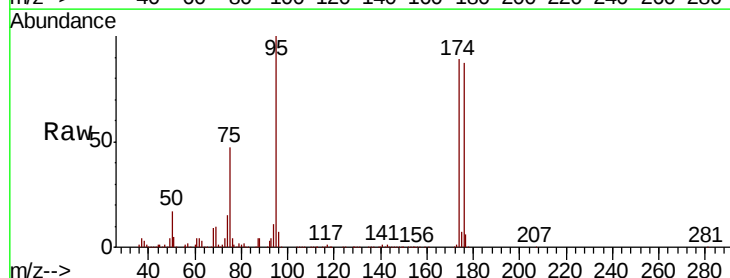
Acq: 18 Dec 2018 16:38

Tgt Ion: 75 Resp: 350668

Ion Ratio Lower Upper

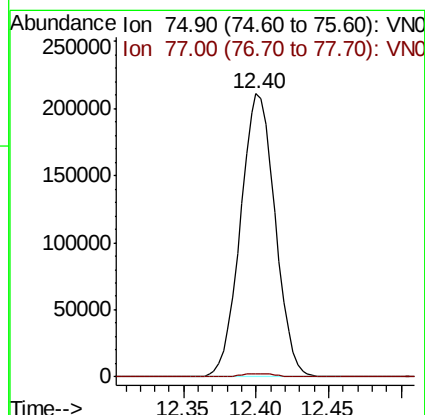
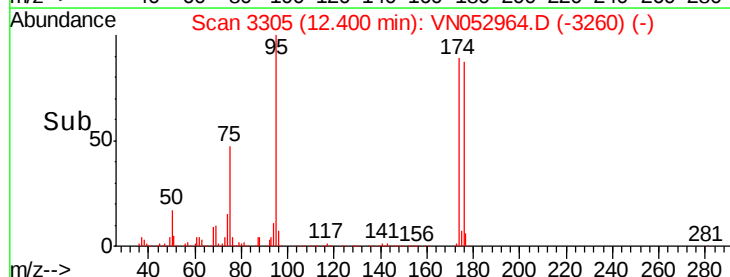
75 100

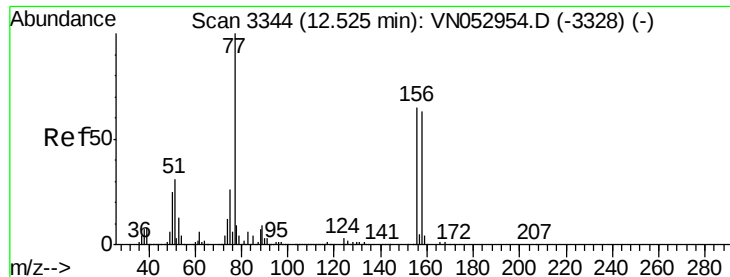
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 0.255 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

P001-SD010-0006-01ME

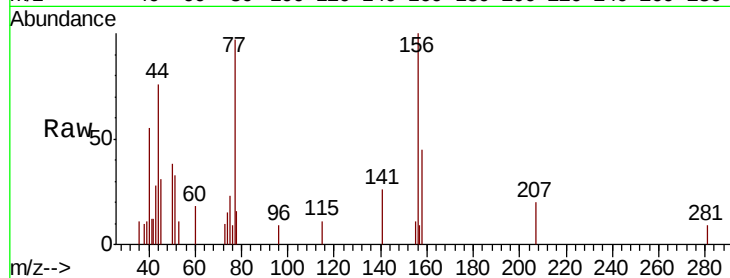
Tot Ion:156 Resp: 3690

Ion Ratio Lower Upper

156 100

77 79.2 91.3 273.8#

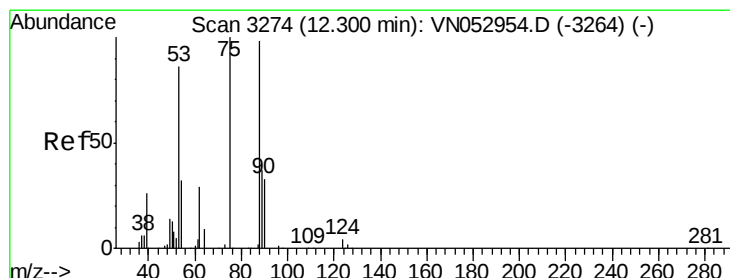
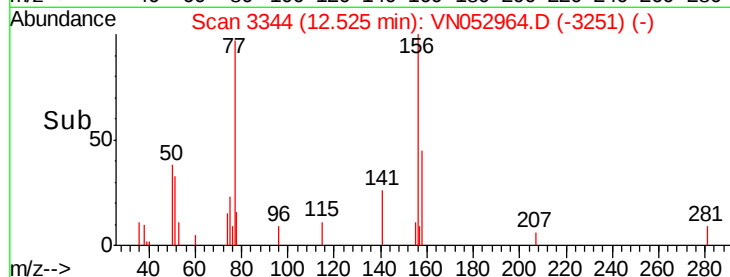
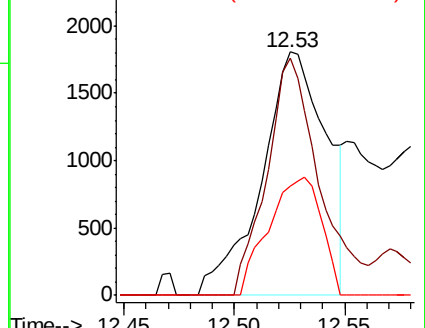
158 39.5 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 94.446 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

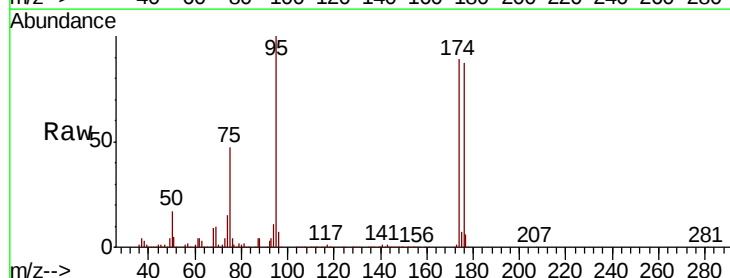
Tgt Ion: 75 Resp: 350668

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

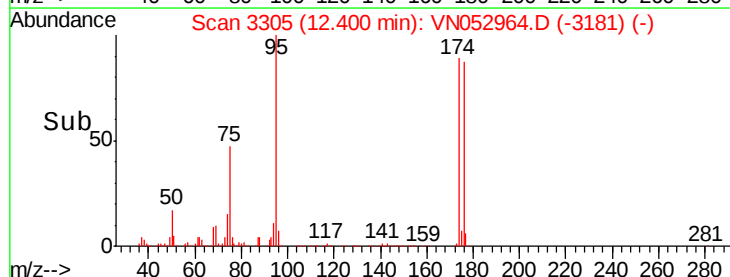
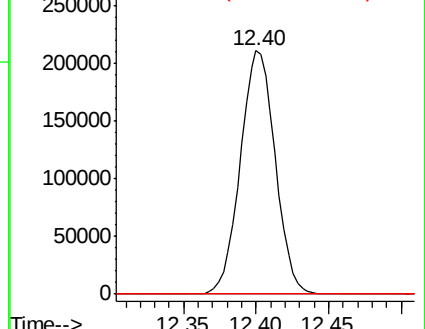
89 0.0 36.1 54.1#

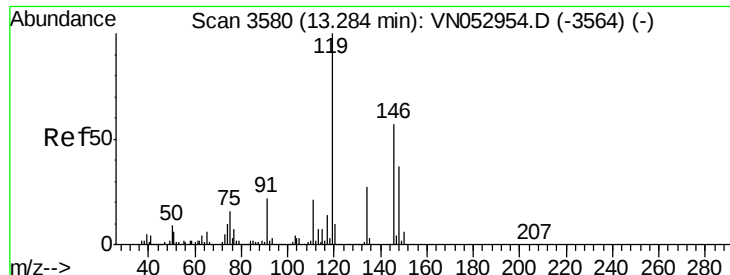


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#87

1,3-Dichlorobenzene

Concen: 0.218 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

P001-SD010-0006-01ME

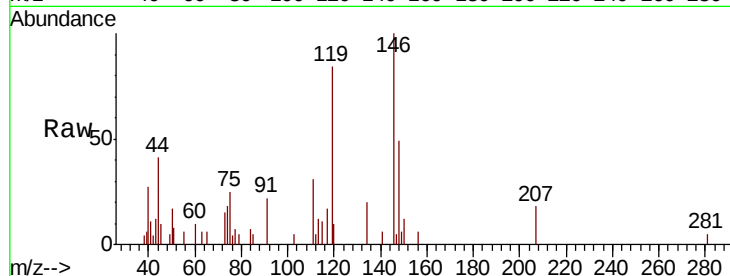
Tot Ion:146 Resp: 5590

Ion Ratio Lower Upper

146 100

111 32.4 19.1 57.1

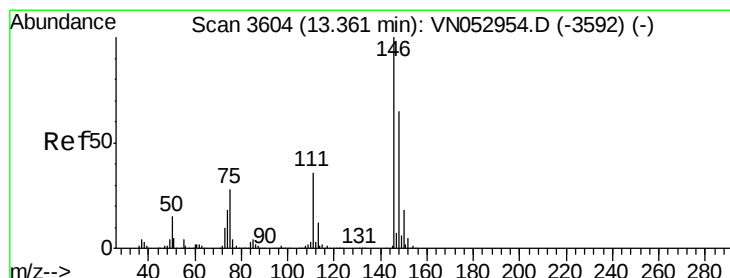
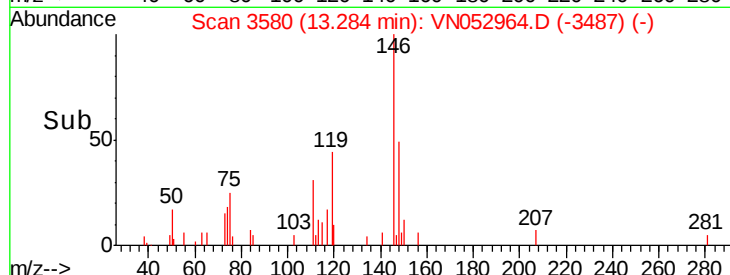
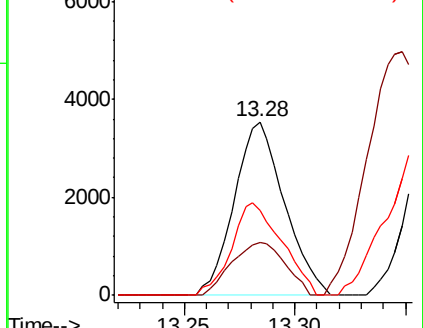
148 53.2 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 0.216 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

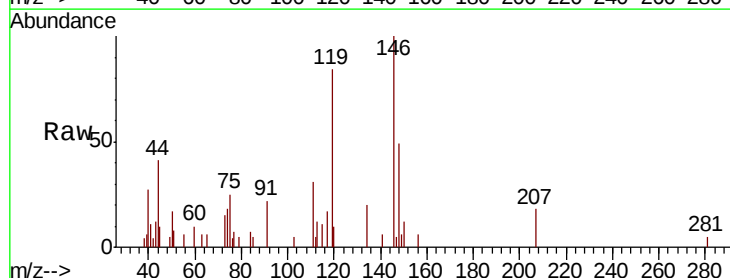
Tgt Ion:146 Resp: 5590

Ion Ratio Lower Upper

146 100

111 32.4 18.6 55.8

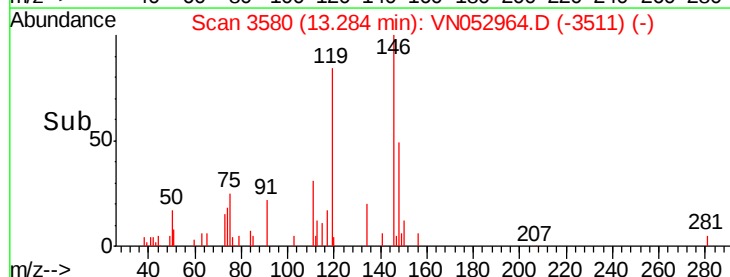
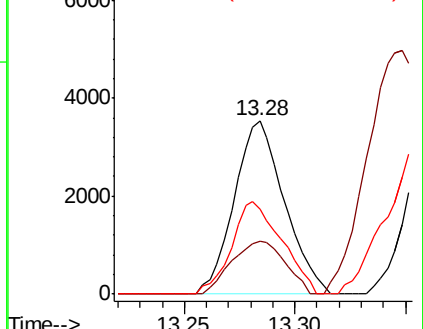
148 53.2 32.1 96.5

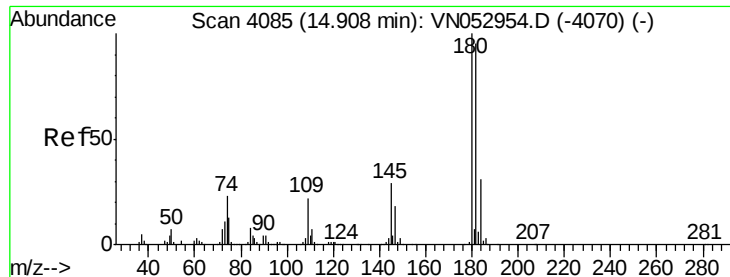


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

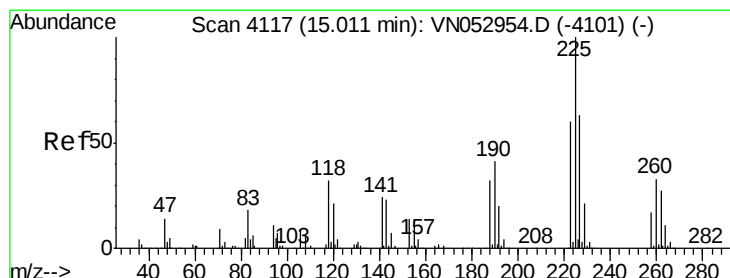
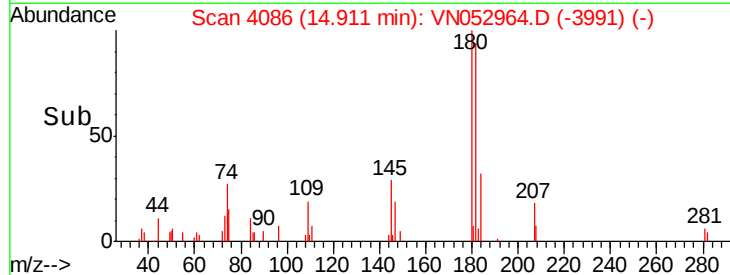
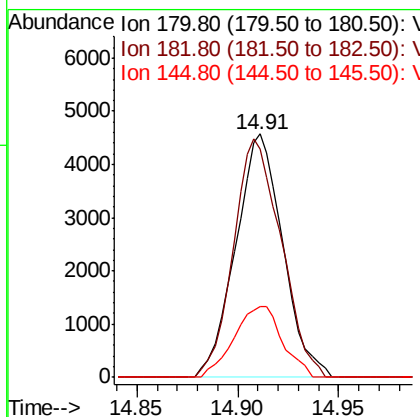
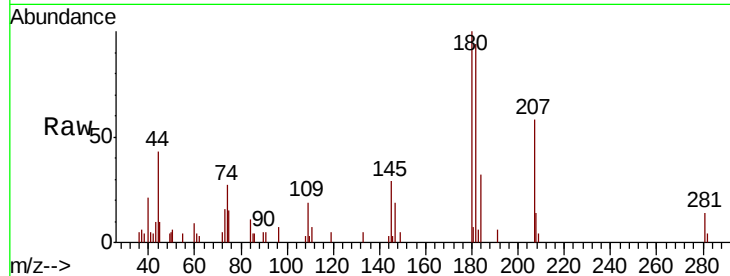




#93
 1,2,4-Trichlorobenzene
 Concen: 1.174 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052964.D
 Acq: 18 Dec 2018 16:38

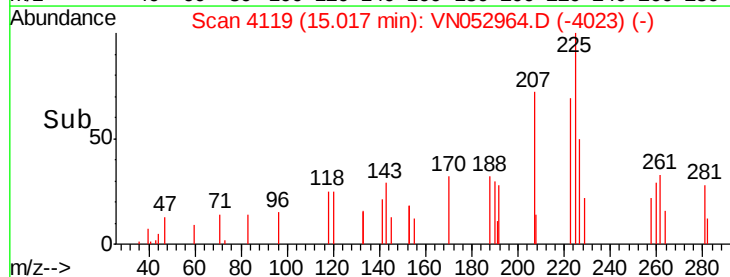
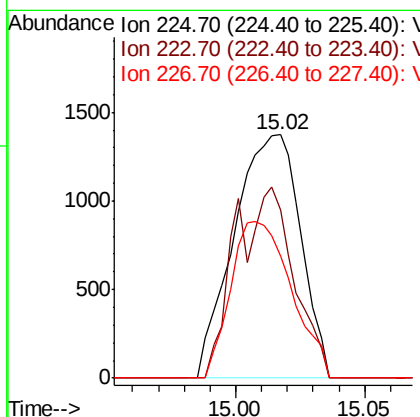
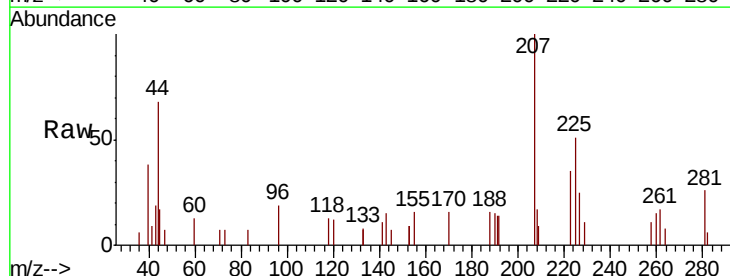
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD010-0006-01ME

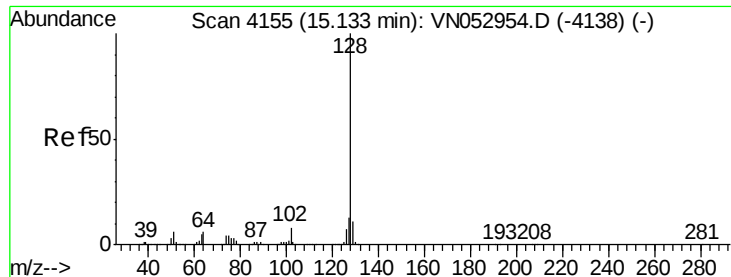
Tot Ion:180 Resp: 7463
 Ion Ratio Lower Upper
 180 100
 182 99.2 47.8 143.3
 145 29.9 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.01 min
 Lab File: VN052964.D
 Acq: 18 Dec 2018 16:38

Tgt Ion:225 Resp: 2467
 Ion Ratio Lower Upper
 225 100
 223 46.2 31.5 94.5
 227 58.6 31.9 95.7





#95

Naphthalene

Concen: 2.109 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

P001-SD010-0006-01ME

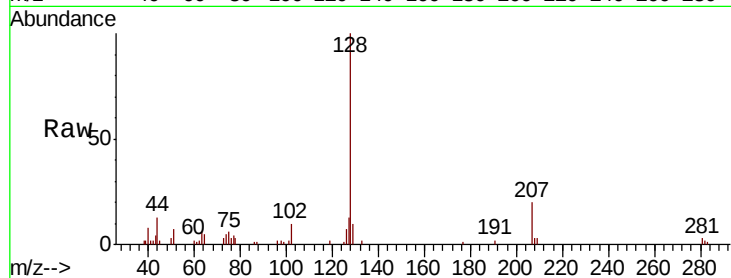
Tot Ion:128 Resp: 27525

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

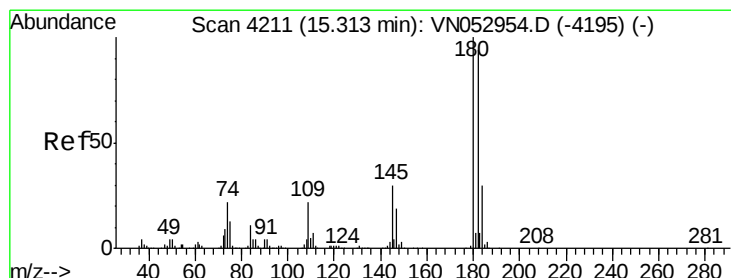
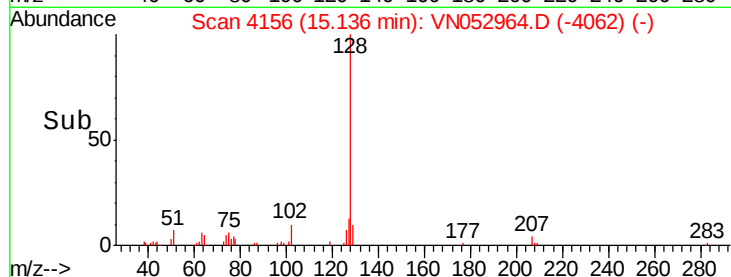
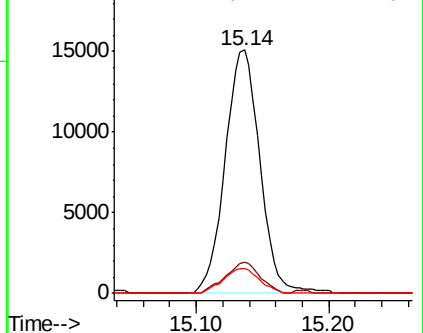
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.269 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052964.D

Acq: 18 Dec 2018 16:38

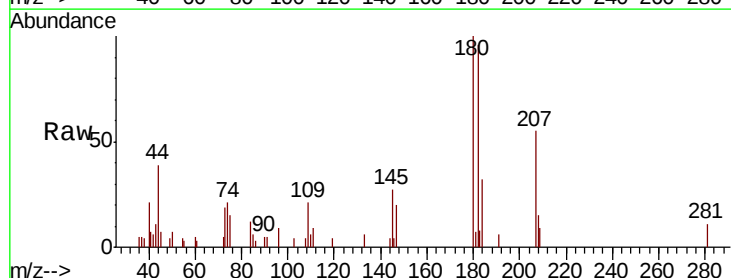
Tgt Ion:180 Resp: 8840

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.7

145 27.4 15.0 45.0



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

