

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
 Data File : VN053253.D
 Acq On : 3 Jan 2019 11:10
 Operator : MD\SY
 Sample : PB116111TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111TB

Quant Time: Jan 04 00:52:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1215708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1876259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1658009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	585053	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	601527	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
35) Dibromofluoromethane	7.59	113	514868	60.07	ug/l	0.00
Spiked Amount			Recovery	=	120.14%	
50) Toluene-d8	10.09	98	2290266	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.40	95	717928	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	

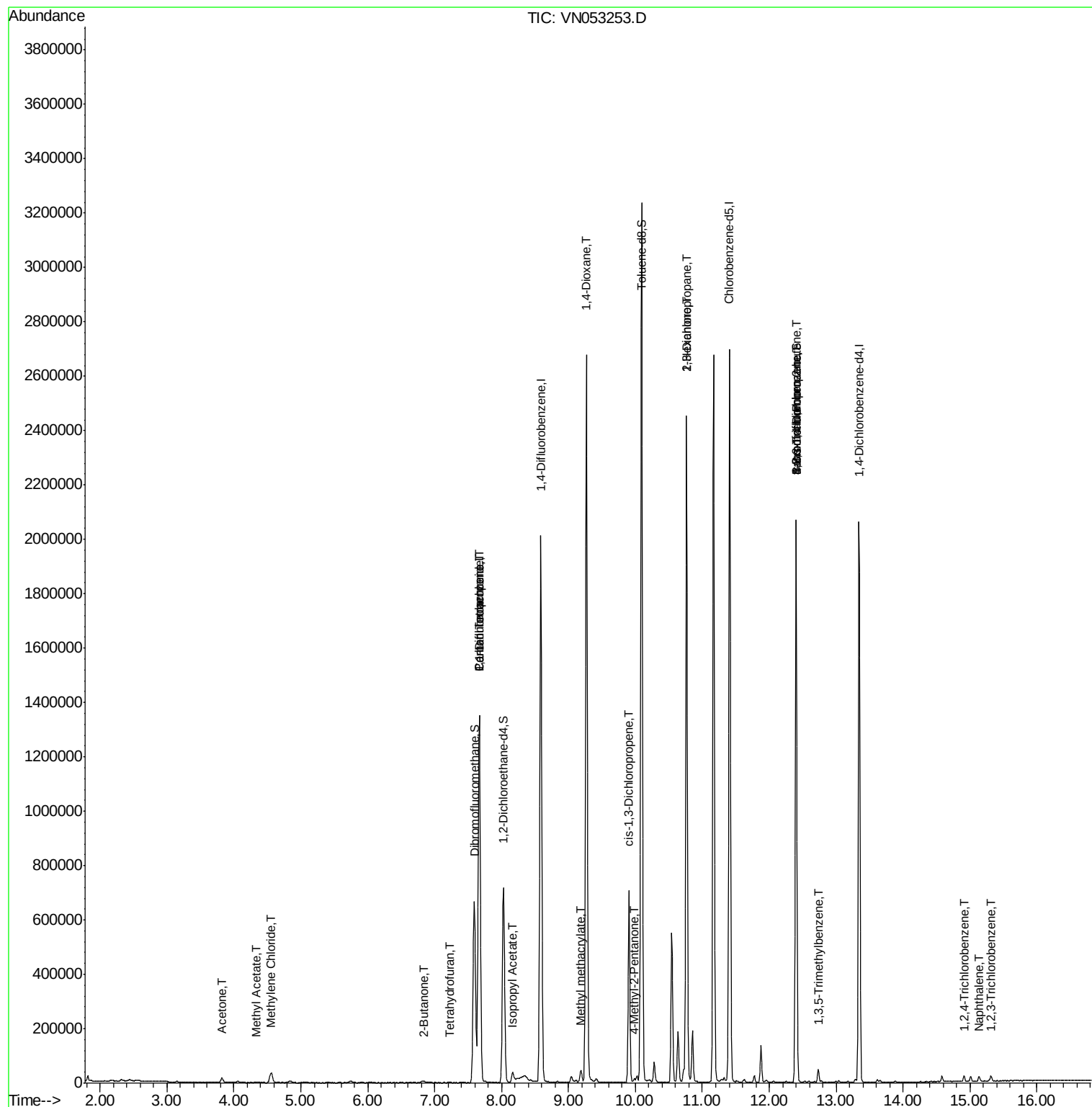
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	28888	11.942	ug/l	89
18) Methyl Acetate	4.34	43	4593	1.402	ug/l #	77
20) Methylene Chloride	4.55	84	27935	2.117	ug/l	96
25) 2-Butanone	6.85	43	4483	1.104	ug/l #	87
29) Tetrahydrofuran	7.22	42	2709	0.893	ug/l #	53
31) Cyclohexane	7.67	56	19949	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	78786	4.375	ug/l #	48
38) Carbon Tetrachloride	7.67	117	103726	6.284	ug/l #	16
43) Isopropyl Acetate	8.17	43	51471	1.635	ug/l #	85
48) Methyl methacrylate	9.18	41	14439	1.480	ug/l #	12
49) 1,4-Dioxane	9.27	88	327	2.650	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	8076	0.830	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	134476	6.449	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	26725	1.345	ug/l #	42
59) 2-Hexanone	10.76	43	348176	52.857	ug/l #	50
71) Bromoform	12.40	173	4666	0.505	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	331119	33.620	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	24652	0.661	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	331119	108.362	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	7652	1.316	ug/l	98
94) Hexachlorobutadiene	15.01	225	4075	Below Cal		98
95) Naphthalene	15.13	128	13782	1.732	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	7695	1.313	ug/l	97

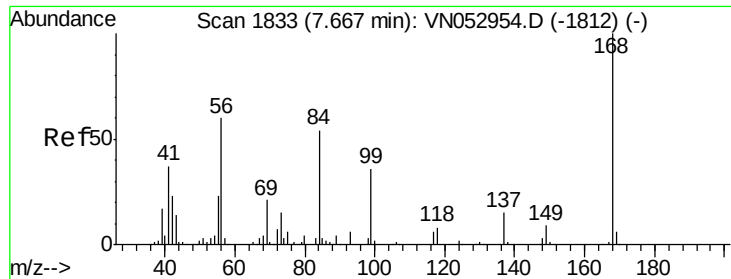
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
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ClientSampleId :
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Quant Time: Jan 04 00:52:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053253.D

Acq: 3 Jan 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

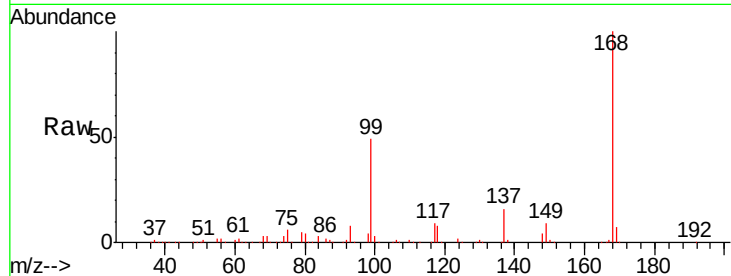
PB116111TB

Tgt Ion:168 Resp: 1215708

Ion Ratio Lower Upper

168 100

99 49.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053253.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053253.D (-1740) (-)

7.67

600000

500000

400000

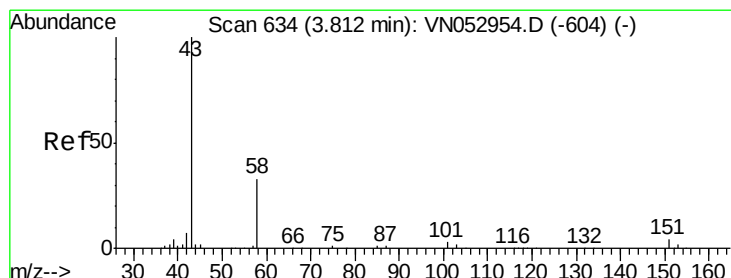
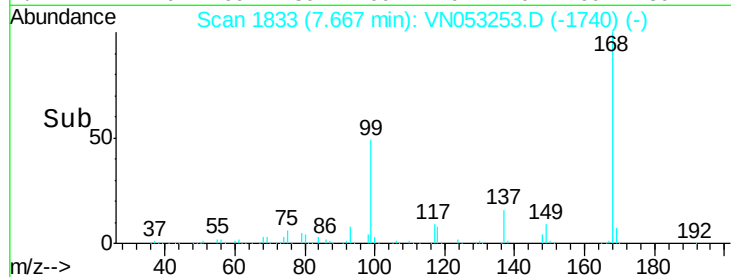
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 11.942 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053253.D

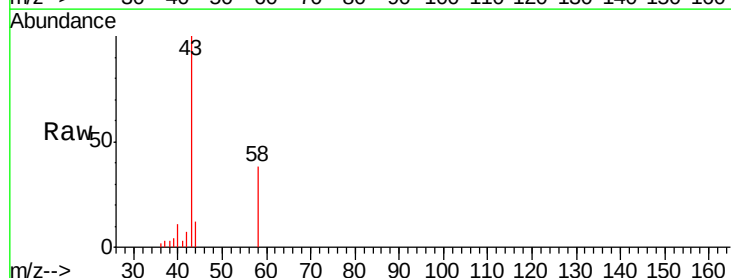
Acq: 3 Jan 2019 11:10

Tgt Ion: 43 Resp: 28888

Ion Ratio Lower Upper

43 100

58 37.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053253.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053253.D (-541) (-)

3.82

12000

10000

8000

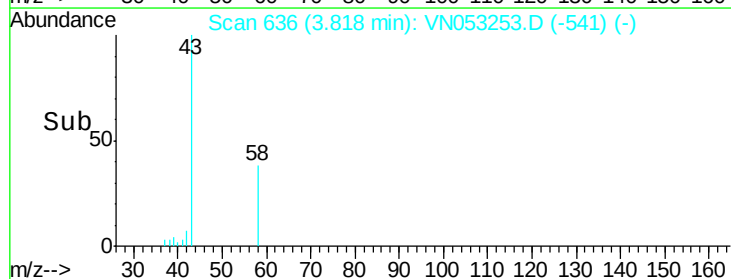
6000

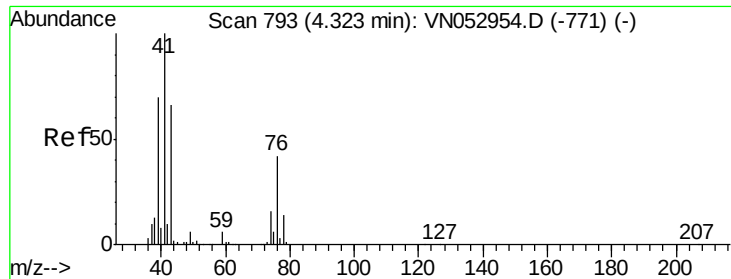
4000

2000

0

Time-->

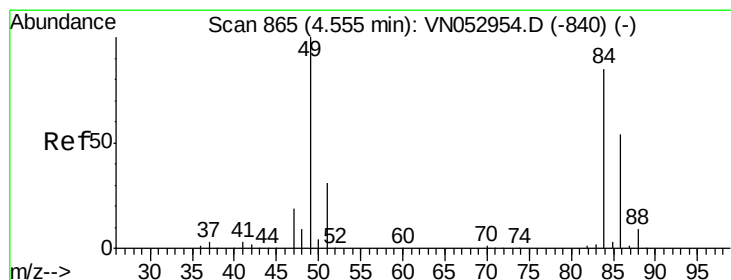
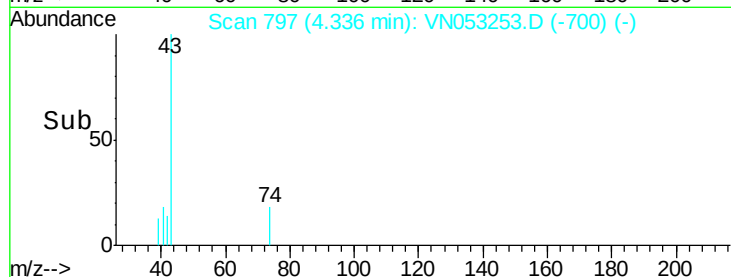
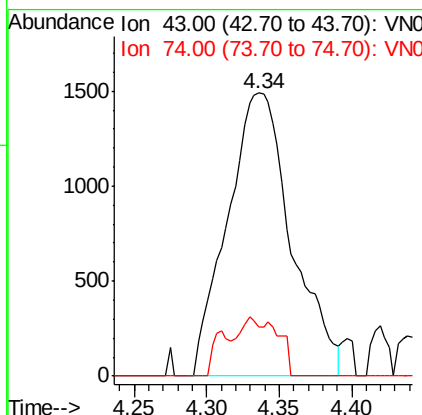
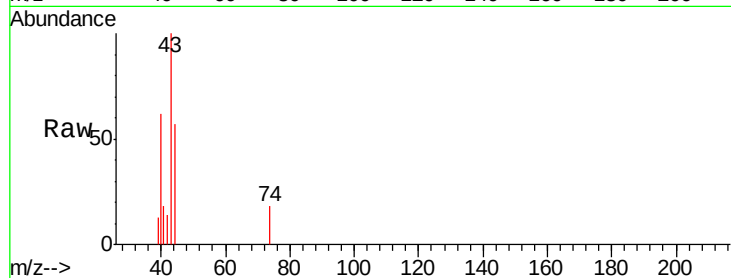




#18
Methyl Acetate
Concen: 1.402 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053253.D
Acq: 3 Jan 2019 11:10

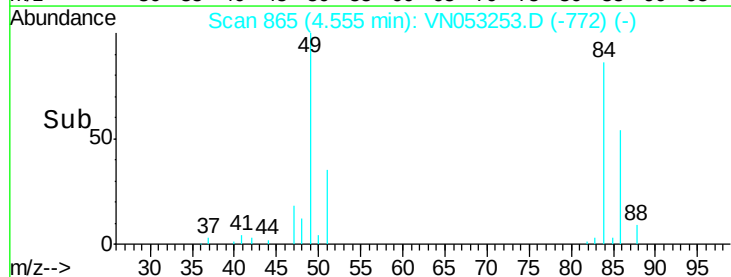
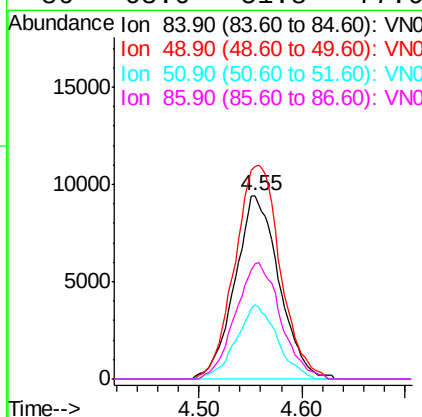
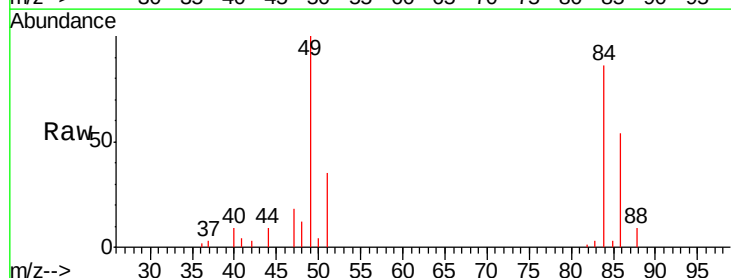
Instrument :
MSVOA_N
ClientSampleId :
PB116111TB

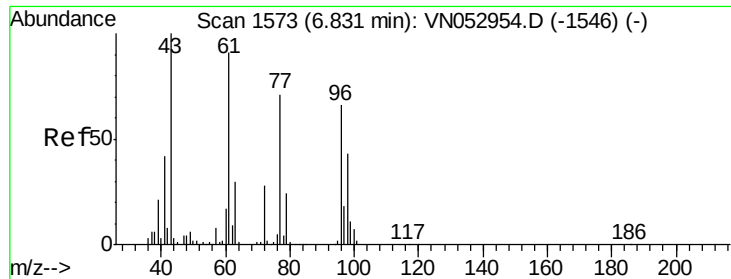
Tgt Ion: 43 Resp: 4593
Ion Ratio Lower Upper
43 100
74 12.6 19.2 28.8#



#20
Methylene Chloride
Concen: 2.117 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053253.D
Acq: 3 Jan 2019 11:10

Tgt Ion: 84 Resp: 27935
Ion Ratio Lower Upper
84 100
49 115.9 96.8 145.2
51 40.2 29.9 44.9
86 63.0 51.8 77.6

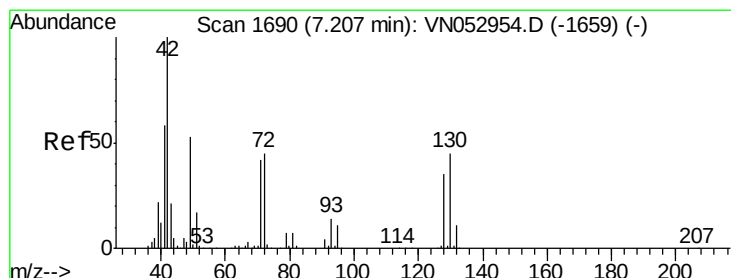
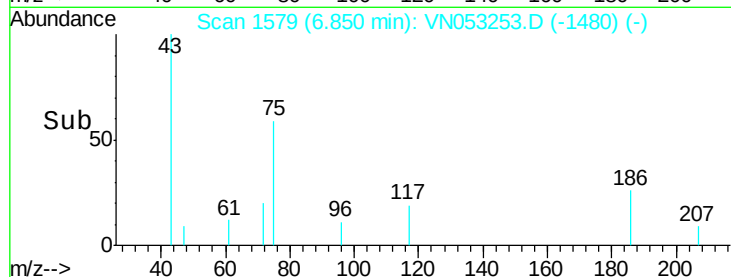
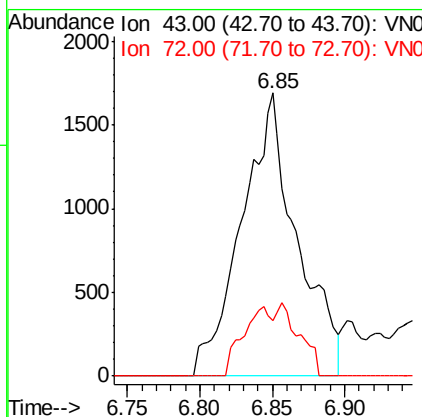
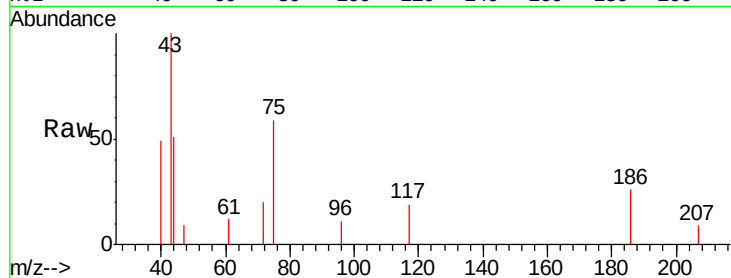




#25
2-Butanone
Concen: 1.104 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VN053253.D
Acq: 3 Jan 2019 11:10

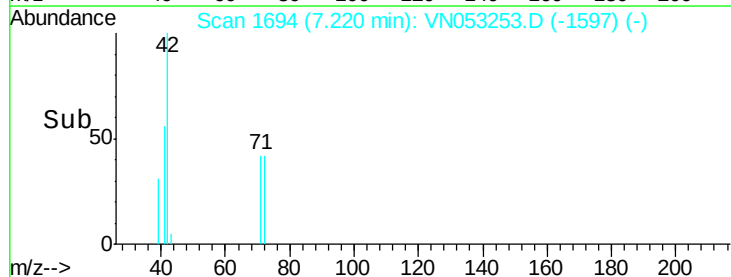
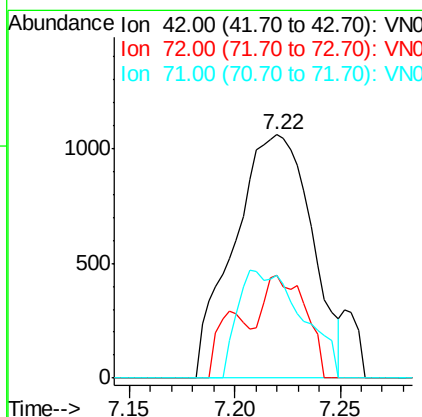
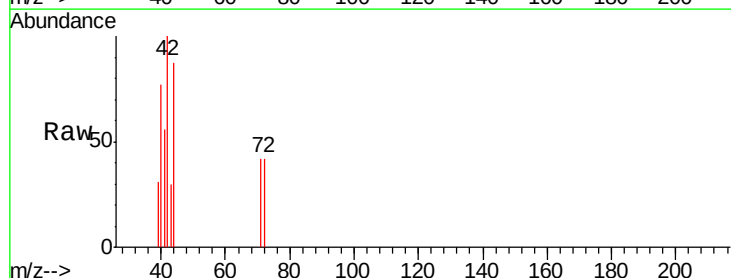
Instrument :
MSVOA_N
ClientSampleId :
PB116111TB

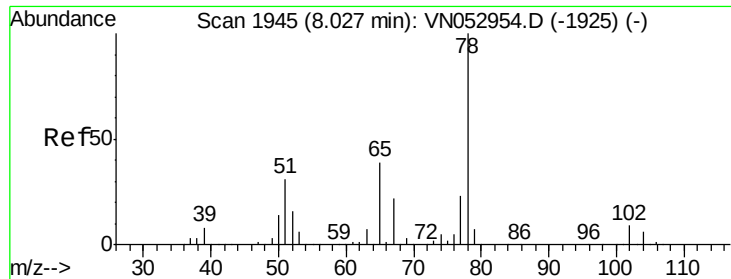
Tgt Ion: 43 Resp: 4483
Ion Ratio Lower Upper
43 100
72 19.5 21.0 31.6#



#29
Tetrahydrofuran
Concen: 0.893 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN053253.D
Acq: 3 Jan 2019 11:10

Tgt Ion: 42 Resp: 2709
Ion Ratio Lower Upper
42 100
72 24.0 34.7 52.1#
71 0.0 32.3 48.5#

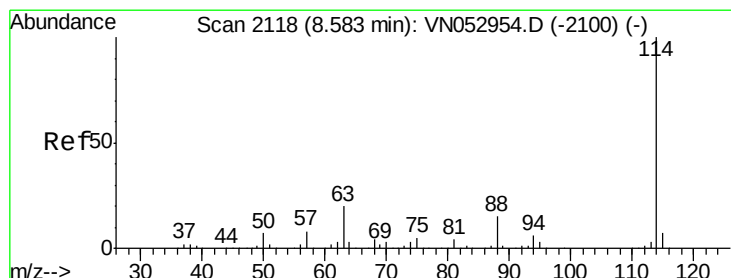
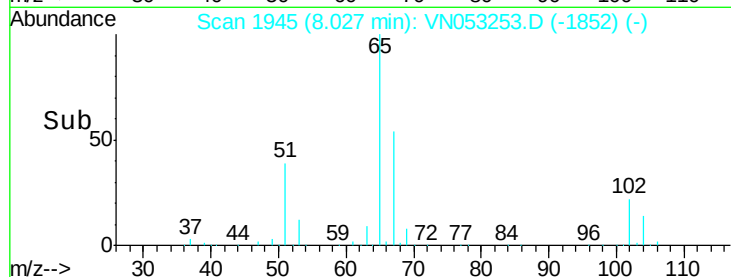
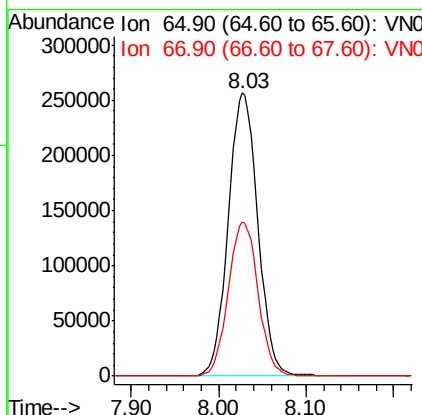
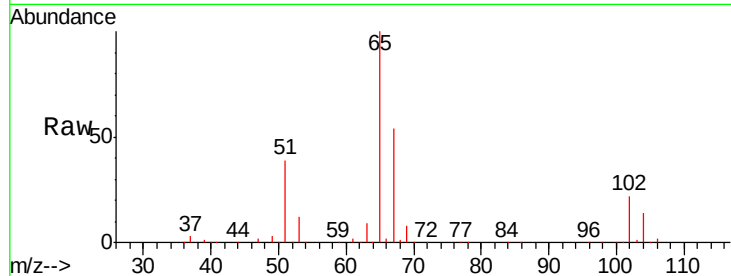




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053253.D
 Acq: 3 Jan 2019 11:10

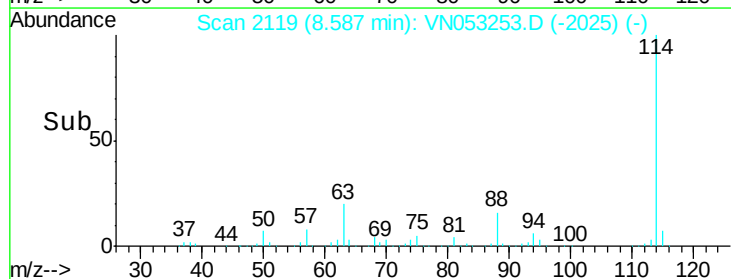
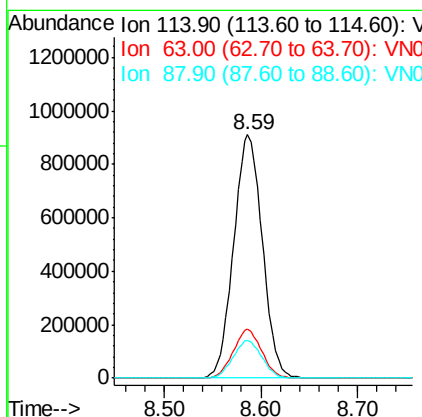
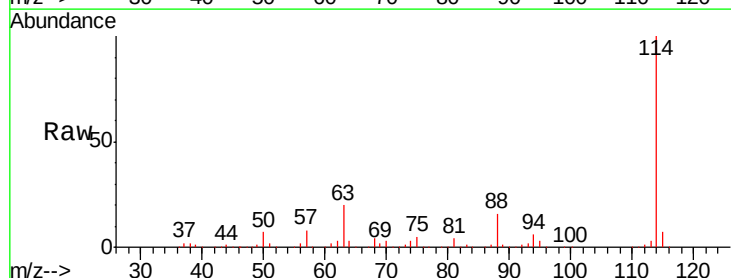
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111TB

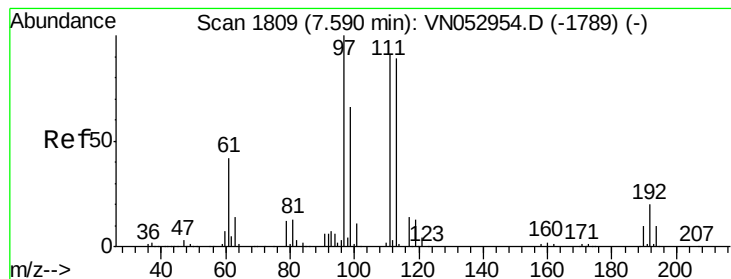
Tgt Ion: 65 Resp: 601527
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053253.D
 Acq: 3 Jan 2019 11:10

Tgt Ion: 114 Resp: 1876259
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053253.D

Acq: 3 Jan 2019 11:10

Instrument :

MSVOA_N

ClientSampled :

PB116111TB

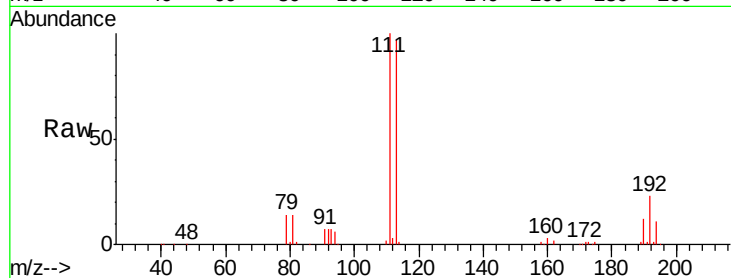
Tgt Ion:113 Resp: 514868

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.4

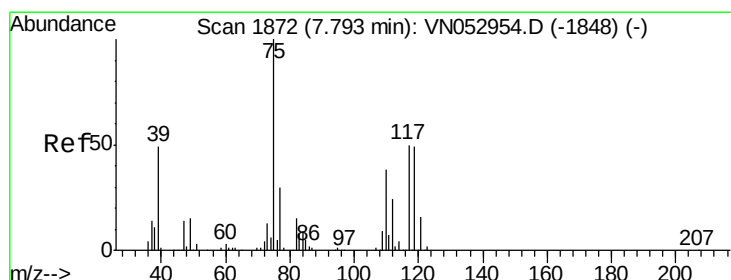
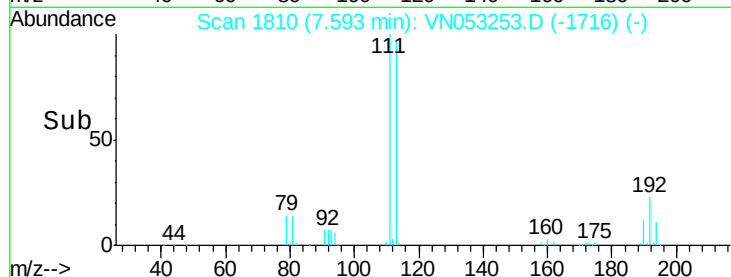
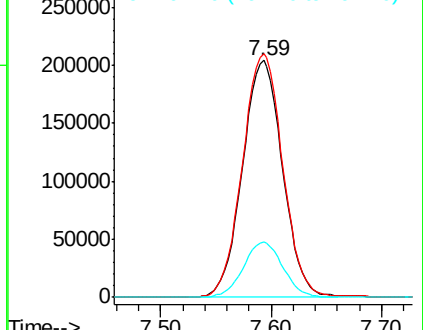
192 23.1 17.5 26.3



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: 4.375 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053253.D

Acq: 3 Jan 2019 11:10

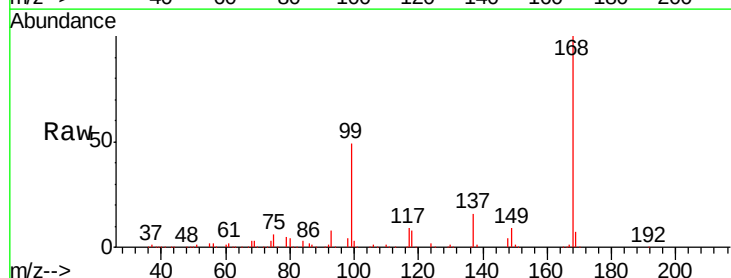
Tgt Ion: 75 Resp: 78786

Ion Ratio Lower Upper

75 100

110 8.3 18.2 54.6#

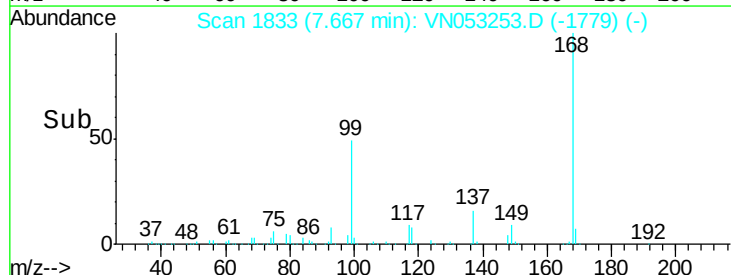
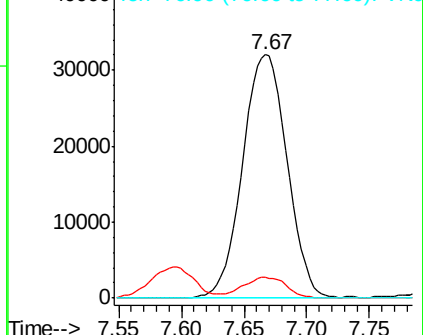
77 0.0 24.9 37.3#

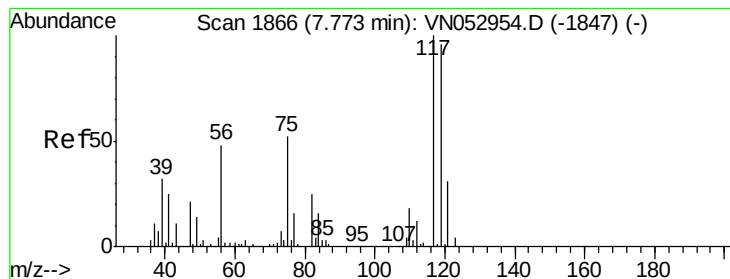


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.284 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053253.D

Acq: 3 Jan 2019 11:10

Instrument :

MSVOA_N

ClientSampled :

PB116111TB

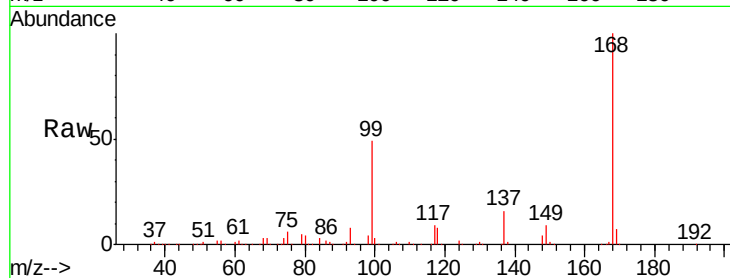
Tgt Ion:117 Resp: 103726

Ion Ratio Lower Upper

117 100

119 5.1 77.1 115.7#

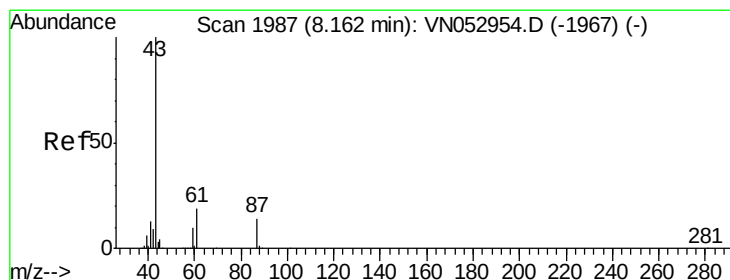
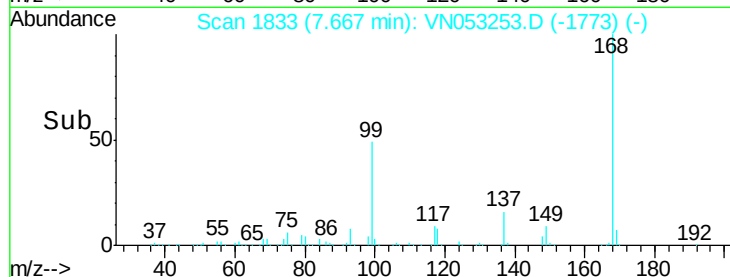
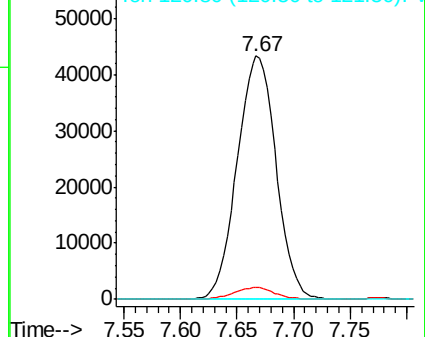
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 1.635 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053253.D

Acq: 3 Jan 2019 11:10

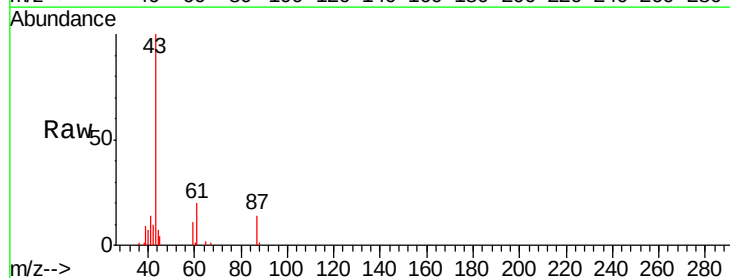
Tgt Ion: 43 Resp: 51471

Ion Ratio Lower Upper

43 100

61 18.1 22.9 34.3#

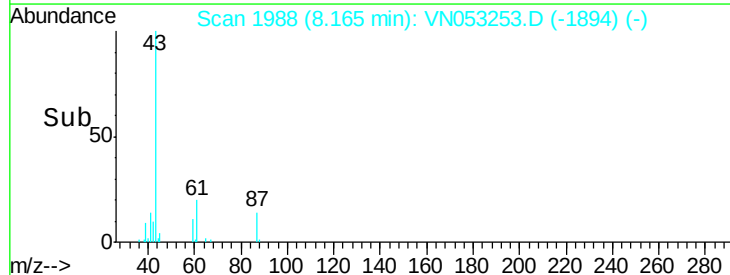
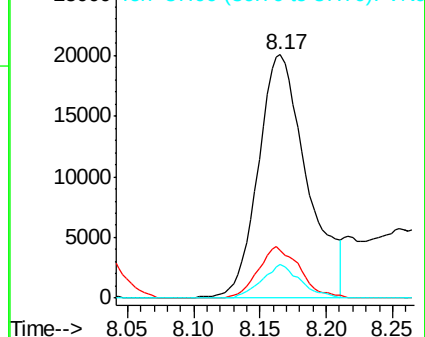
87 10.9 10.6 15.8

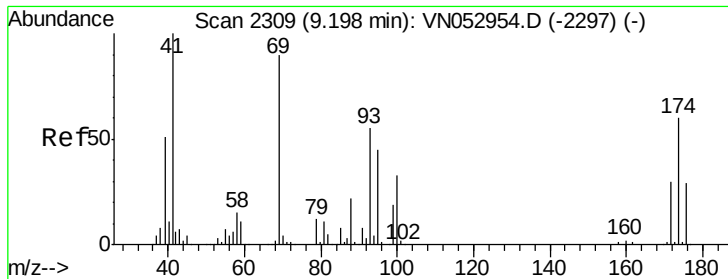


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

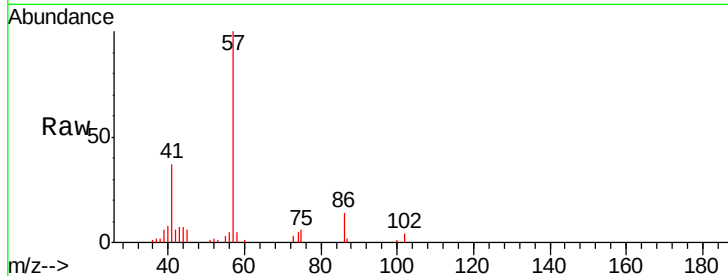




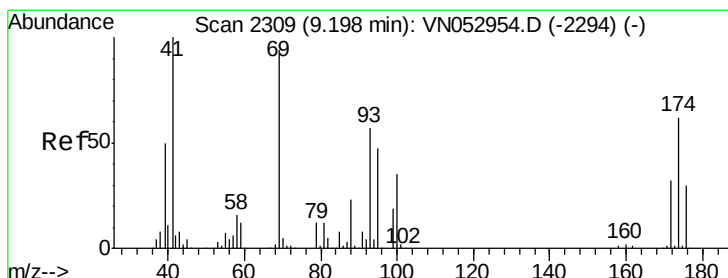
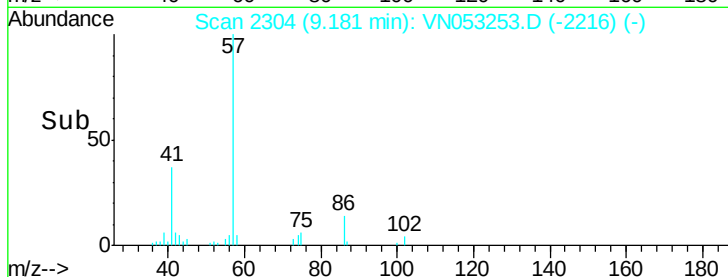
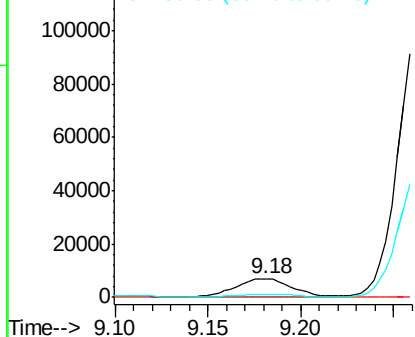
#48
Methyl methacrylate
Concen: 1.480 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN053253.D
Acq: 3 Jan 2019 11:10

Instrument :
MSVOA_N
ClientSampleId :
PB116111TB

Tgt Ion: 41 Resp: 14439
Ion Ratio Lower Upper
41 100
69 0.0 72.2 108.2#
39 0.0 41.9 62.9#

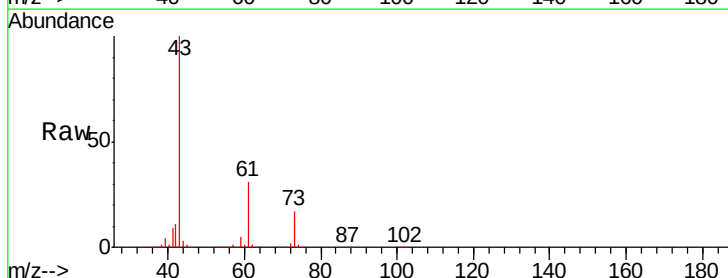


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

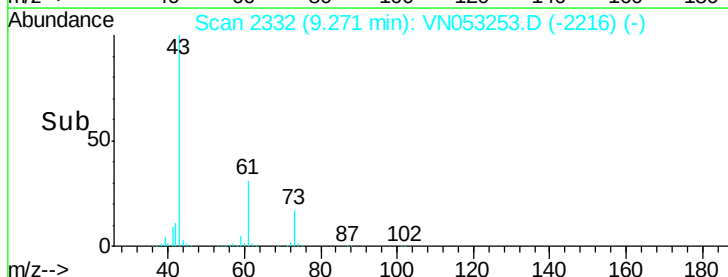
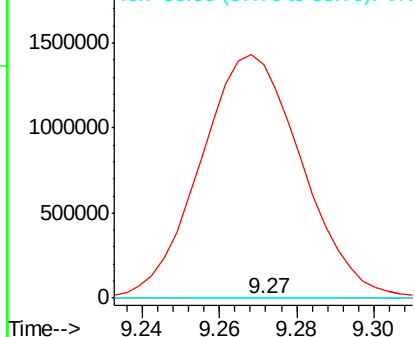


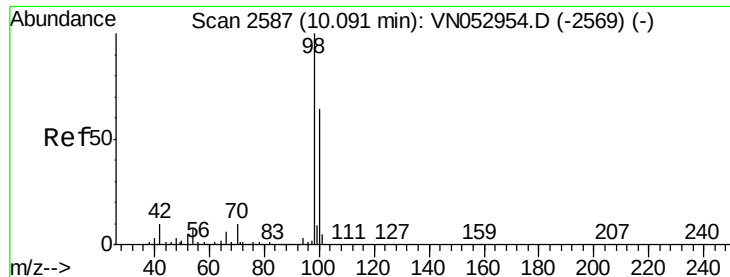
#49
1,4-Dioxane
Concen: 2.650 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN053253.D
Acq: 3 Jan 2019 11:10

Tgt Ion: 88 Resp: 327
Ion Ratio Lower Upper
88 100
43 807301.5 26.6 40.0#
58 3325.7 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 2.650 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053253.D

Acq: 3 Jan 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

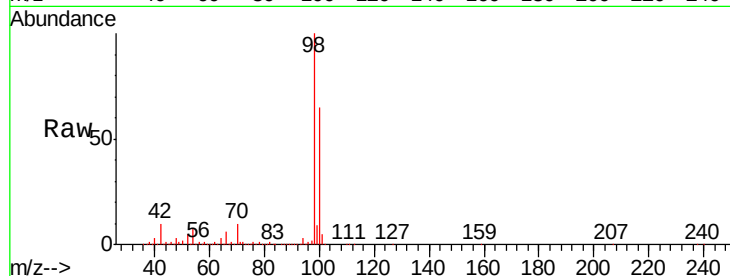
PB116111TB

Tgt Ion: 98 Resp: 2290266

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053253.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053253.D (-2494) (-)

10.09

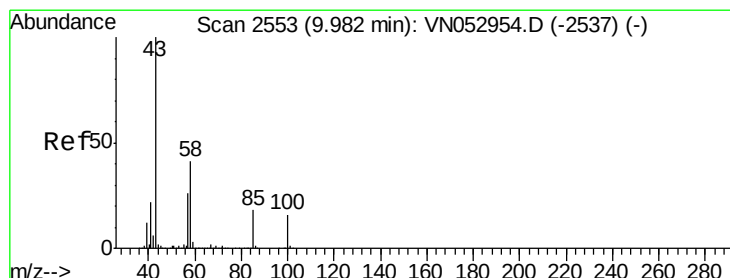
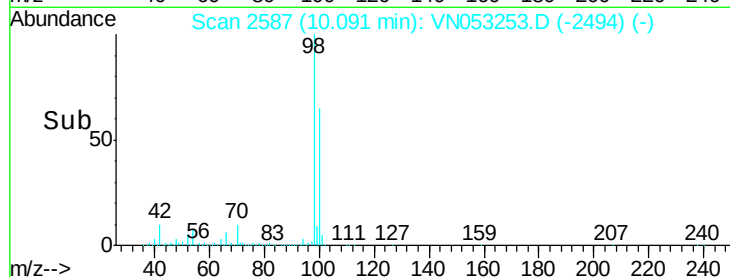
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.830 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN053253.D

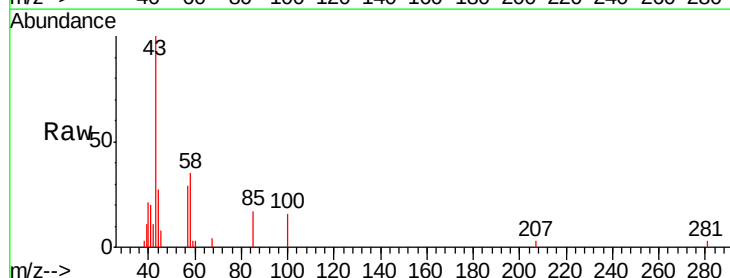
Acq: 3 Jan 2019 11:10

Tgt Ion: 43 Resp: 8076

Ion Ratio Lower Upper

43 100

58 40.8 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN053253.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN053253.D (-2460) (-)

9.99

12000

10000

8000

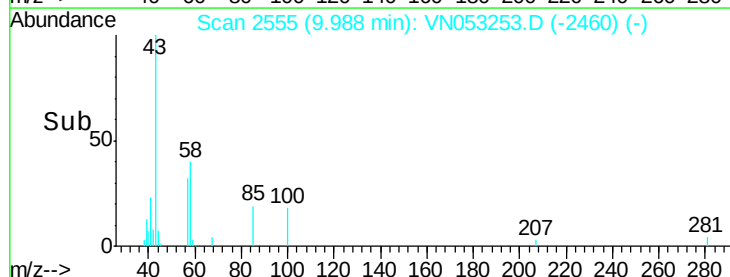
6000

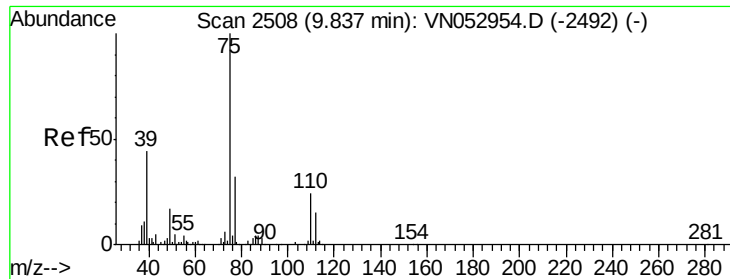
4000

2000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.449 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053253.D

Acq: 3 Jan 2019 11:10

Instrument :

MSVOA_N

ClientSampled :

PB116111TB

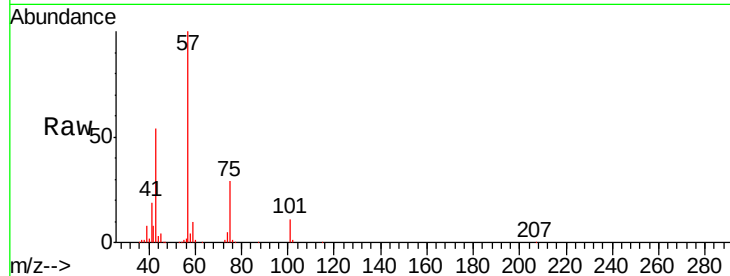
Tgt Ion: 75 Resp: 134476

Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.8#

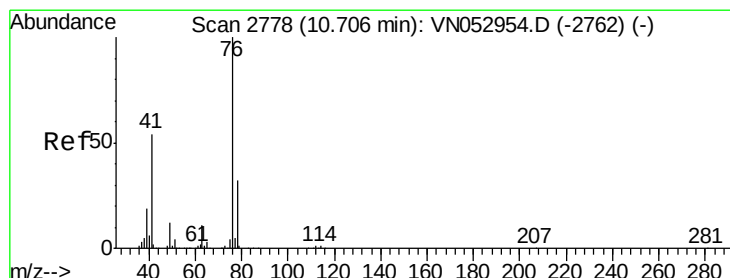
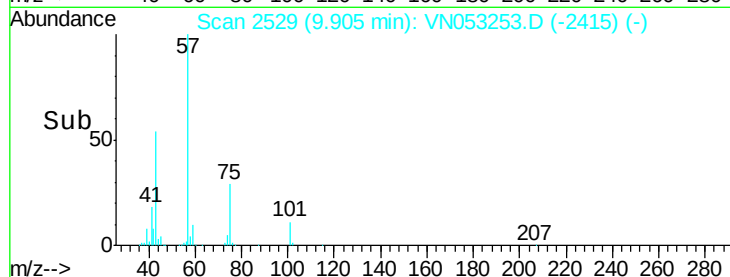
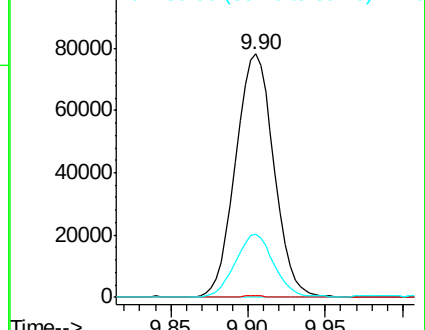
39 26.1 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.345 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN053253.D

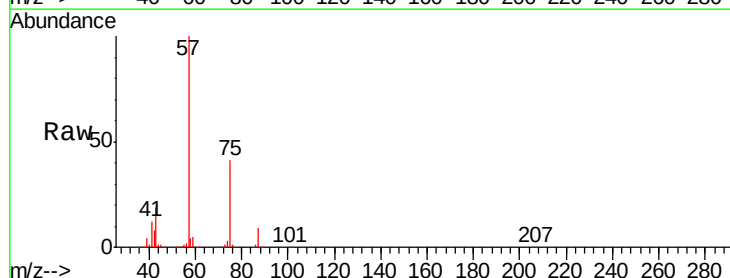
Acq: 3 Jan 2019 11:10

Tgt Ion: 76 Resp: 26725

Ion Ratio Lower Upper

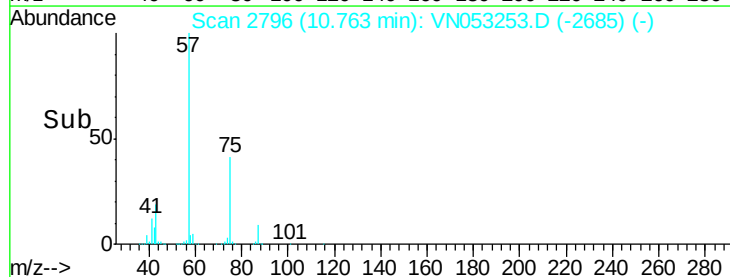
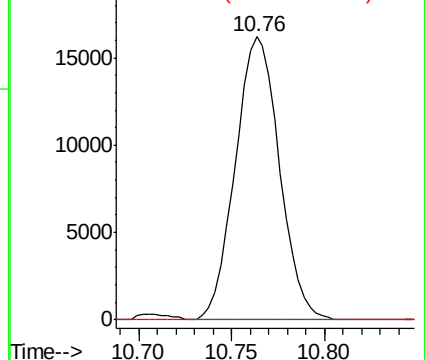
76 100

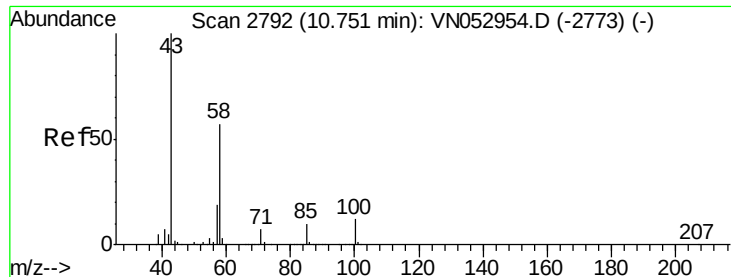
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

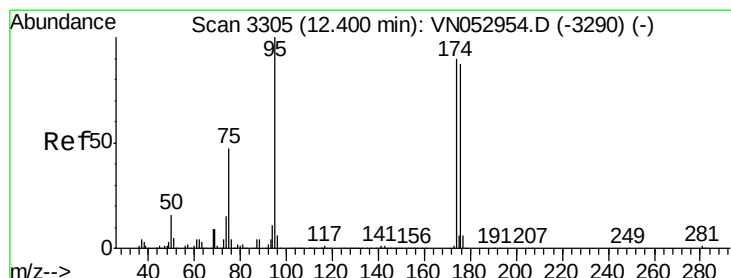
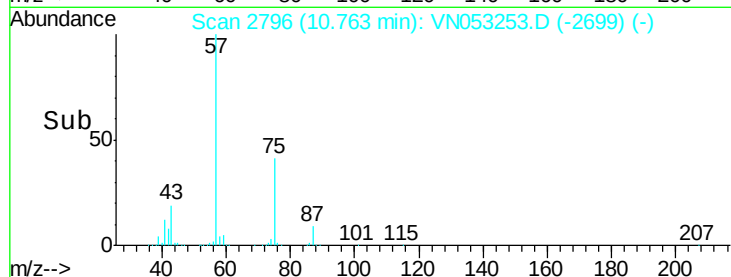
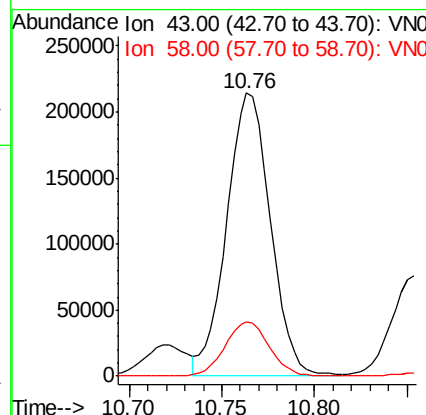
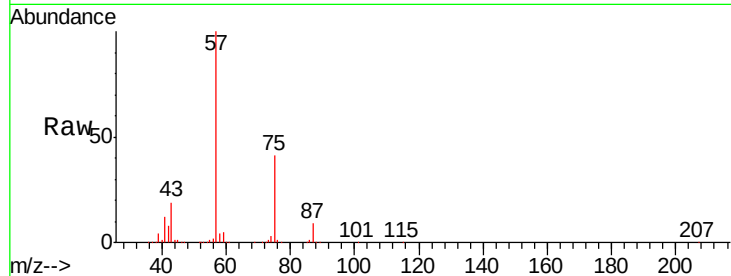




#59
2-Hexanone
Concen: 52.857 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053253.D
Acq: 3 Jan 2019 11:10

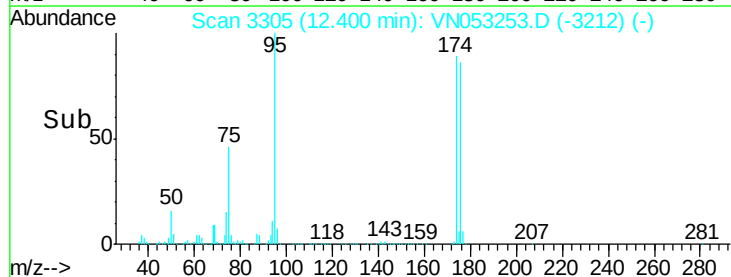
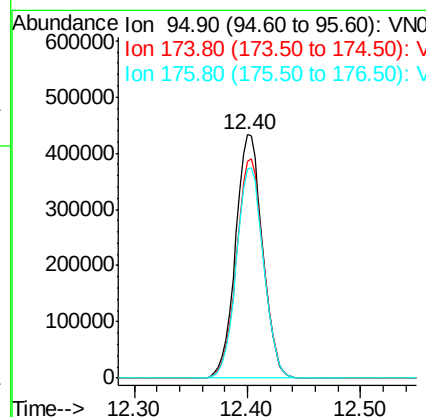
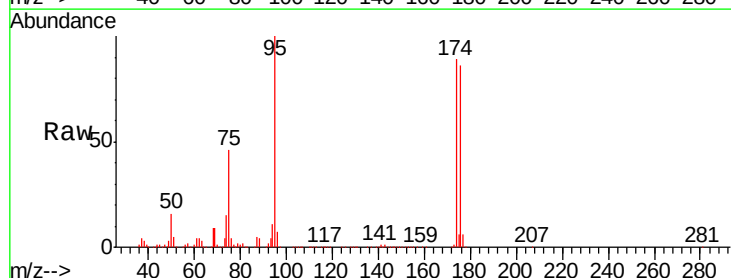
Instrument :
MSVOA_N
ClientSampleId :
PB116111TB

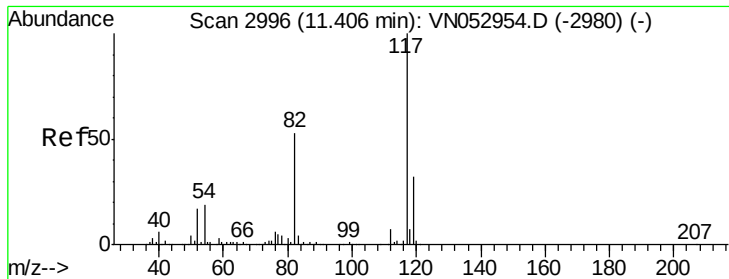
Tgt Ion: 43 Resp: 348176
Ion Ratio Lower Upper
43 100
58 19.7 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053253.D
Acq: 3 Jan 2019 11:10

Tgt Ion: 95 Resp: 717928
Ion Ratio Lower Upper
95 100
174 89.9 0.0 178.8
176 86.9 0.0 173.8

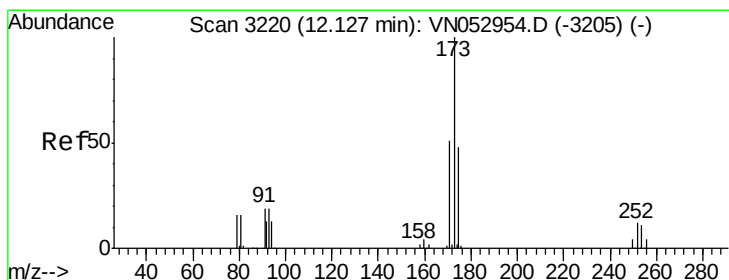
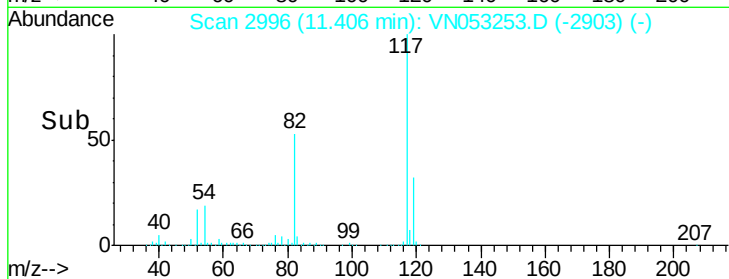
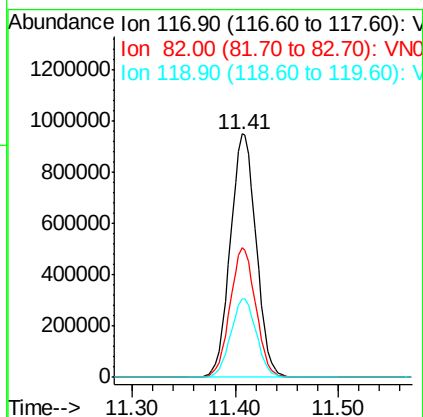
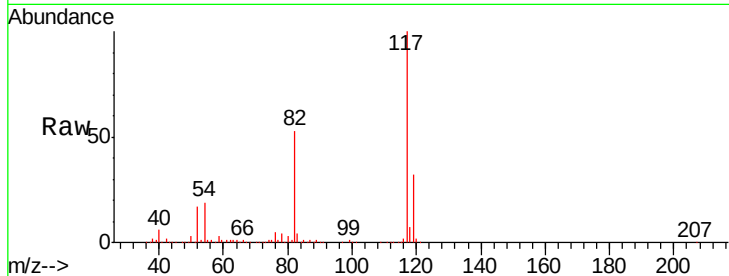




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053253.D
Acq: 3 Jan 2019 11:10

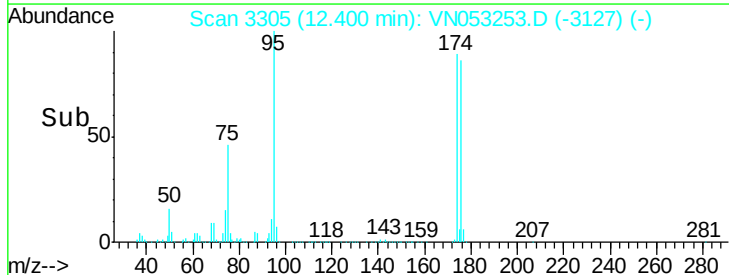
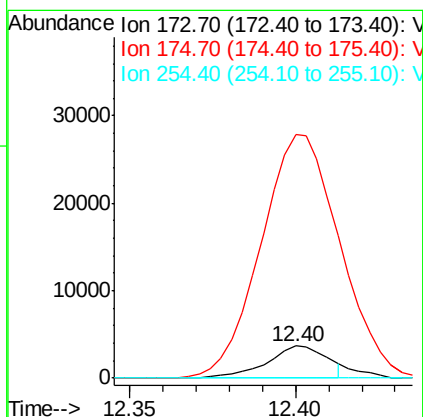
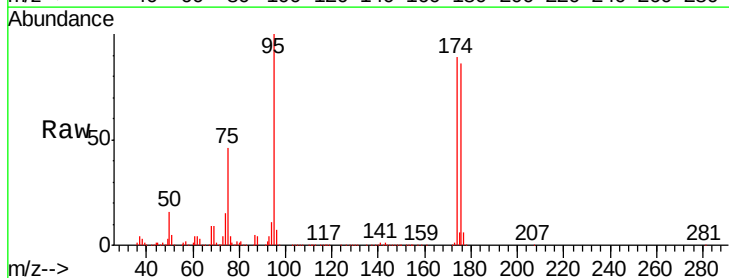
Instrument :
MSVOA_N
ClientSampleId :
PB116111TB

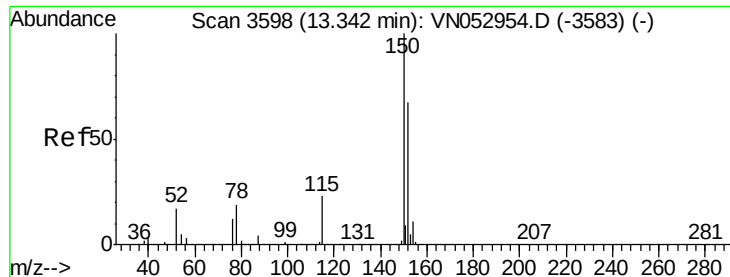
Tgt Ion:117 Resp: 1658009
Ion Ratio Lower Upper
117 100
82 53.4 42.8 64.2
119 32.3 25.5 38.3



#71
Bromoform
Concen: 0.505 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053253.D
Acq: 3 Jan 2019 11:10

Tgt Ion:173 Resp: 4666
Ion Ratio Lower Upper
173 100
175 865.2 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: VN053253.D

Acq: 3 Jan 2019 11:10

Instrument :

MSVOA_N

ClientSampled :

PB116111TB

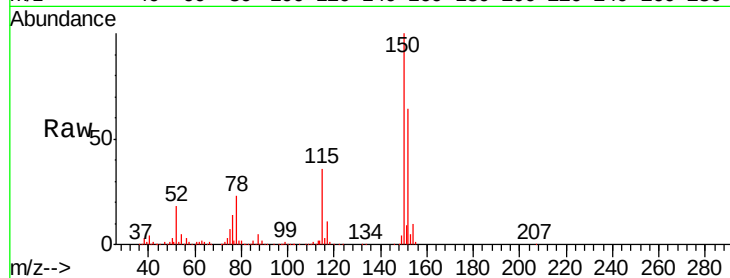
Tgt Ion:152 Resp: 585053

Ion Ratio Lower Upper

152 100

115 56.4 28.3 85.0

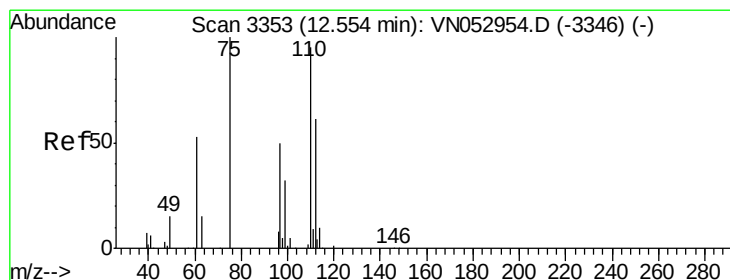
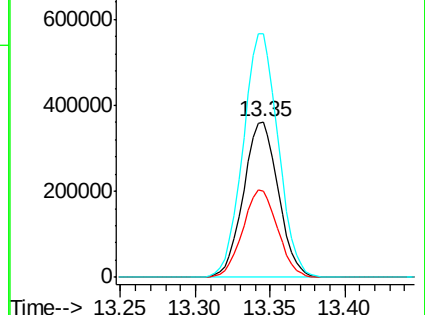
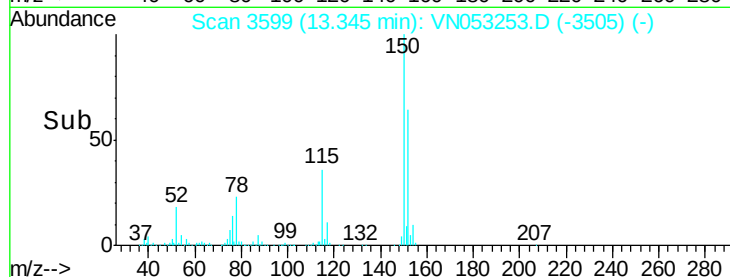
150 158.2 0.0 347.8



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: 33.620 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053253.D

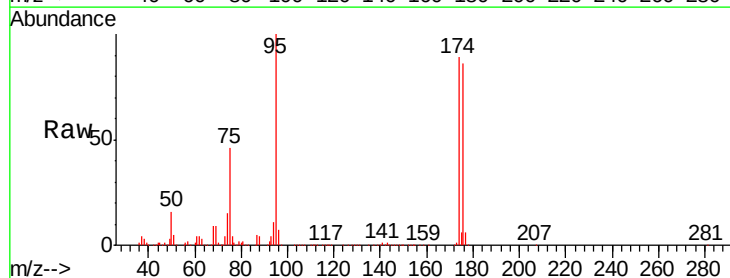
Acq: 3 Jan 2019 11:10

Tgt Ion: 75 Resp: 331119

Ion Ratio Lower Upper

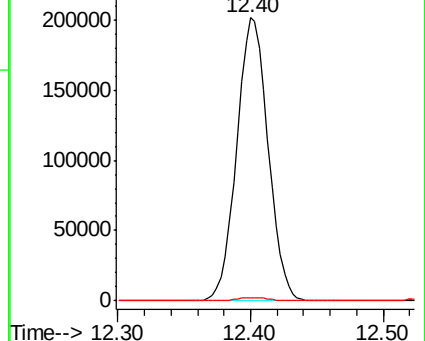
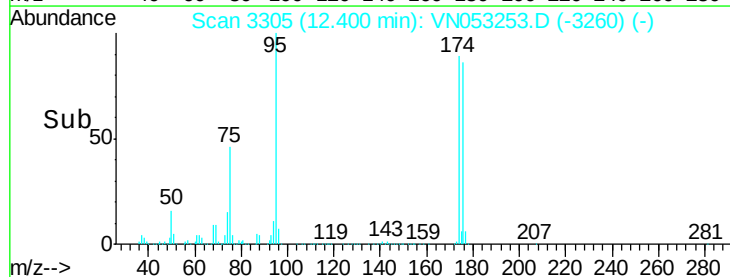
75 100

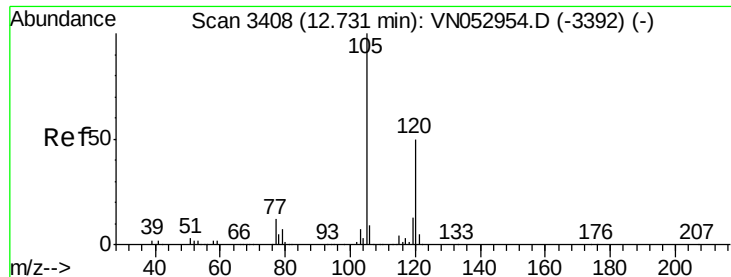
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

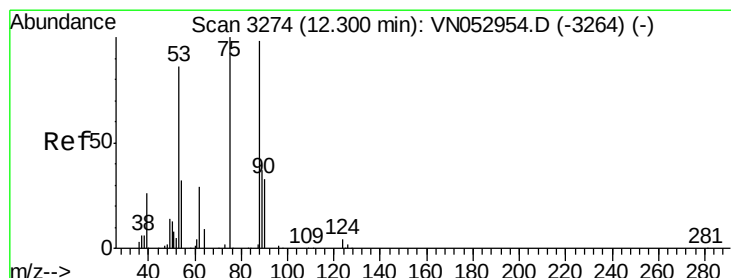
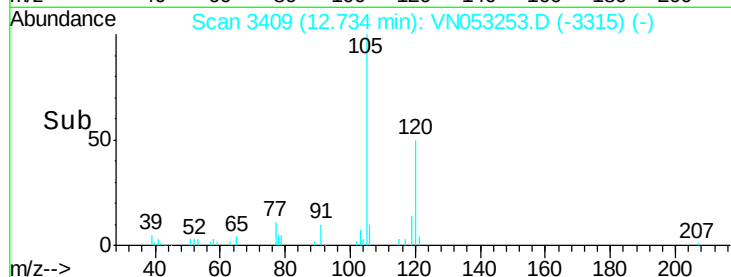
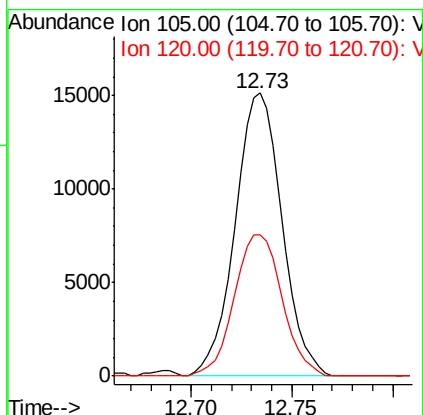
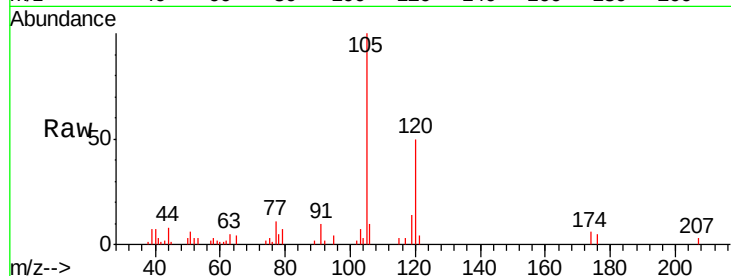




#80
 1,3,5-Trimethylbenzene
 Concen: 0.661 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053253.D
 Acq: 3 Jan 2019 11:10

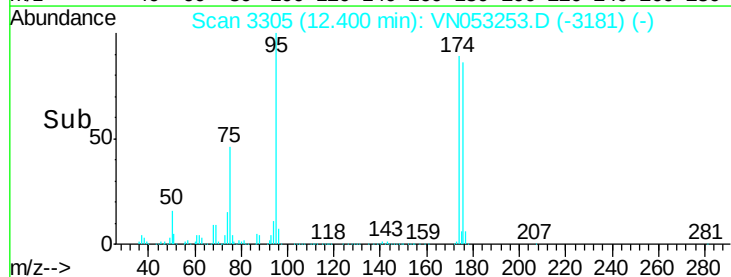
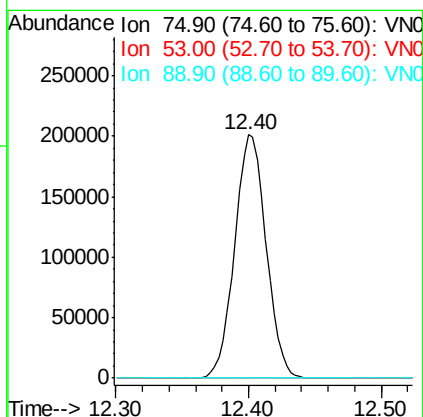
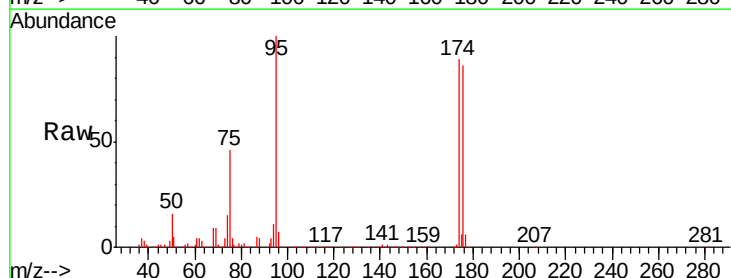
Instrument :
 MSVOA_N
 ClientSampled :
 PB116111TB

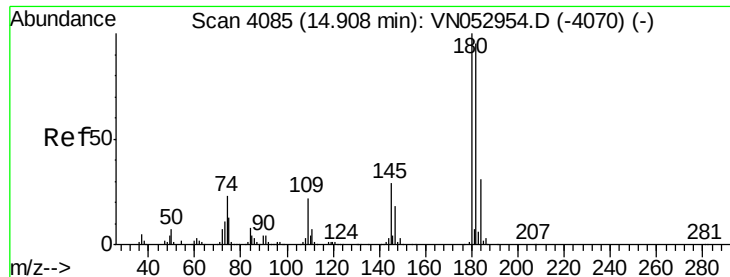
Tgt Ion:105 Resp: 24652
 Ion Ratio Lower Upper
 105 100
 120 51.0 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.362 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053253.D
 Acq: 3 Jan 2019 11:10

Tgt Ion: 75 Resp: 331119
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.0 36.1 54.1#





#93

1,2,4-Trichlorobenzene

Concen: 1.316 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053253.D

Acq: 3 Jan 2019 11:10

Instrument :

MSVOA_N

ClientSampled :

PB116111TB

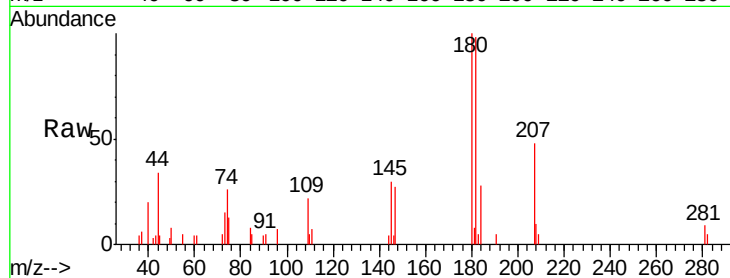
Tgt Ion:180 Resp: 7652

Ion Ratio Lower Upper

180 100

182 93.4 47.8 143.3

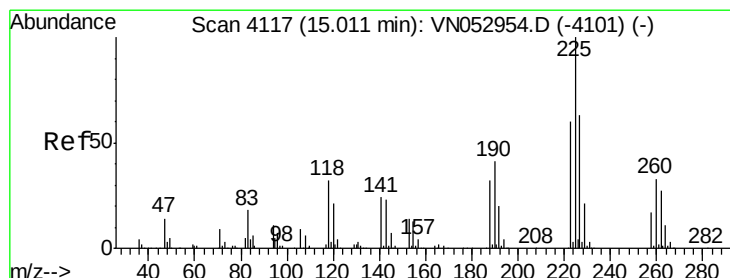
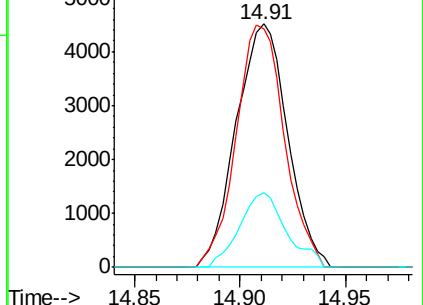
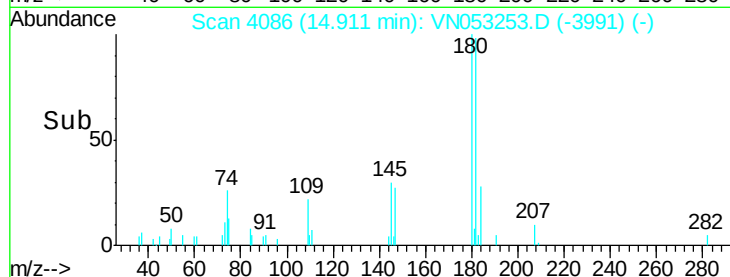
145 27.9 14.2 42.6



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# 4117

Delta R.T. 0.00 min

Lab File: VN053253.D

Acq: 3 Jan 2019 11:10

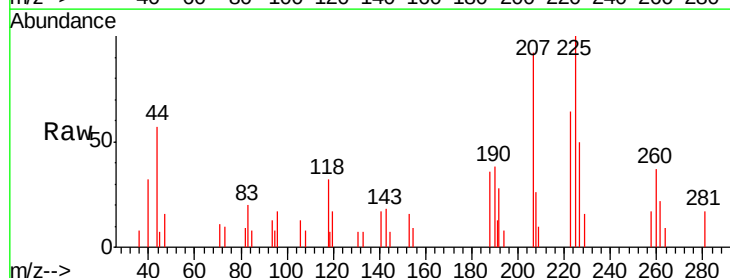
Tgt Ion:225 Resp: 4075

Ion Ratio Lower Upper

225 100

223 62.1 31.5 94.5

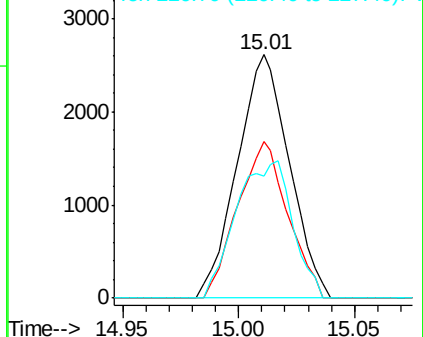
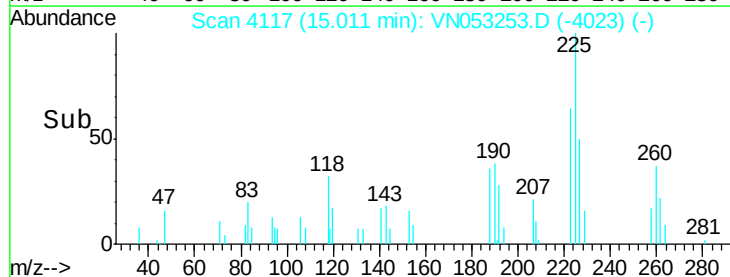
227 61.2 31.9 95.7

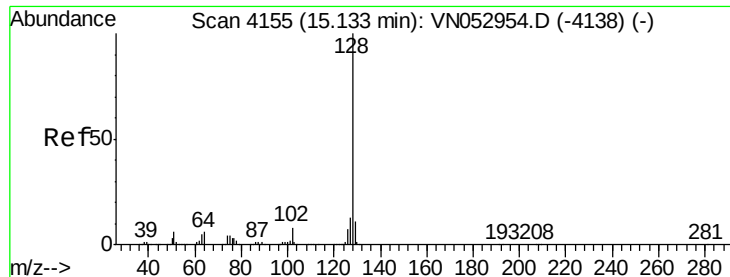


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.732 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053253.D

Acq: 3 Jan 2019 11:10

Instrument :

MSVOA_N

ClientSampled :

PB116111TB

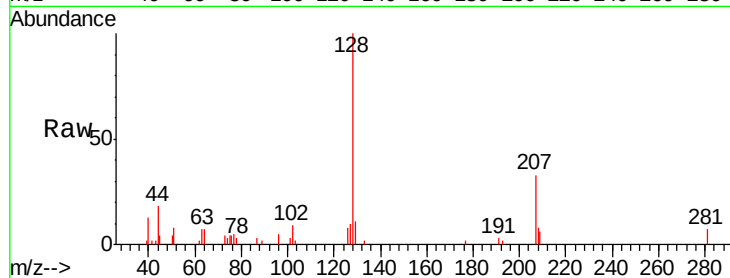
Tgt Ion:128 Resp: 13782

Ion Ratio Lower Upper

128 100

127 10.9 10.2 15.4

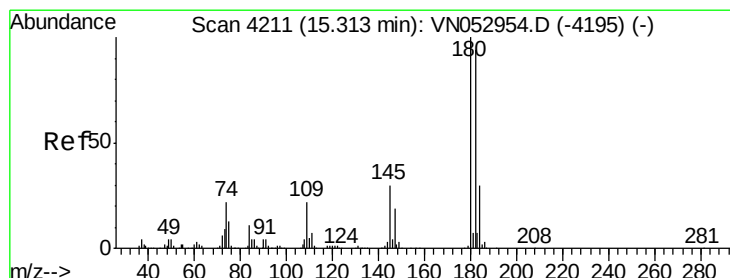
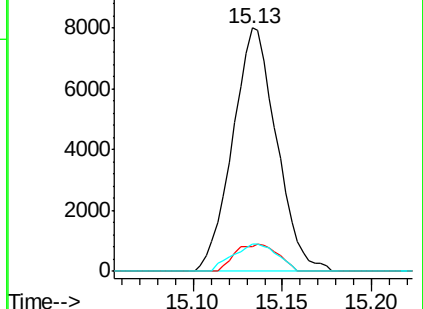
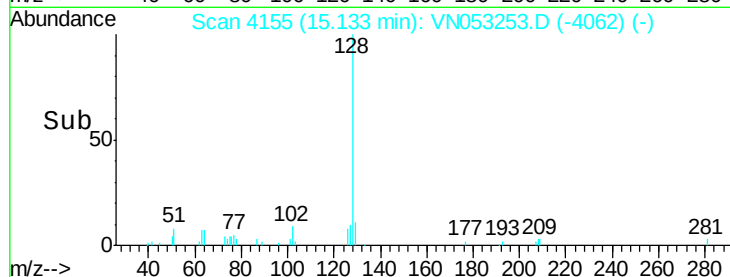
129 11.2 8.6 13.0



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: 1.313 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN053253.D

Acq: 3 Jan 2019 11:10

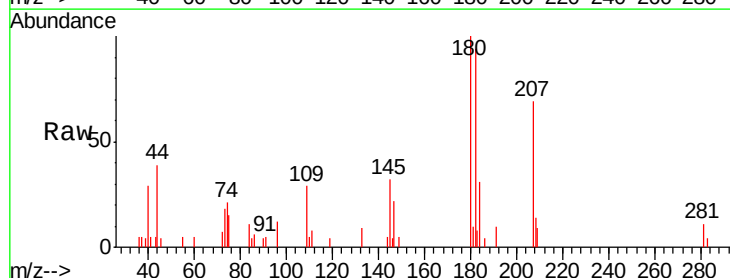
Tgt Ion:180 Resp: 7695

Ion Ratio Lower Upper

180 100

182 93.4 47.9 143.7

145 27.7 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

