

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121118\
 Data File : VN052799.D
 Acq On : 11 Dec 2018 13:55
 Operator : MD\SY
 Sample : PB115504ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115504ZHE#04

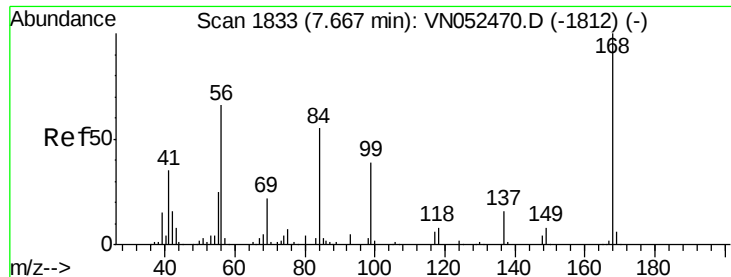
Quant Time: Dec 12 00:27:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1150002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1767201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1560581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	579890	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	600861	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
35) Dibromofluoromethane	7.59	113	497071	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	
50) Toluene-d8	10.09	98	2174716	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.40	95	672151	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	10487	3.175	ug/l	100
18) Methyl Acetate	4.34	43	4195	0.443	ug/l #	83
20) Methylene Chloride	4.55	84	19067	1.475	ug/l	95
25) 2-Butanone	6.85	43	1465	0.313	ug/l #	50
29) Tetrahydrofuran	7.22	42	1152	0.382	ug/l #	59
31) Cyclohexane	7.67	56	19879	0.561	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	78497	4.704	ug/l #	50
38) Carbon Tetrachloride	7.67	117	102240	6.768	ug/l #	16
43) Isopropyl Acetate	8.17	43	69827	4.051	ug/l #	75
45) 1,2-Dichloropropane	9.26	63	3163	0.239	ug/l #	43
48) Methyl methacrylate	9.18	41	12833	1.428	ug/l #	13
49) 1,4-Dioxane	9.26	88	77	0.826	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	16644	1.721	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	115169	6.277	ug/l #	61
56) Ethyl methacrylate	10.55	69	1374	2.783	ug/l #	1
57) 1,3-Dichloropropane	10.77	76	23489	1.280	ug/l #	43
59) 2-Hexanone	10.76	43	327292	50.428	ug/l #	51
71) Bromoform	12.41	173	3995	0.539	ug/l #	1
74) N-amyl acetate	11.88	43	39017	3.395	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	323898	36.221	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	323898	120.962	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	258	2.853	ug/l #	54
95) Naphthalene	15.14	128	1119	3.476	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	310	2.758	ug/l #	71

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

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ClientSampleId :

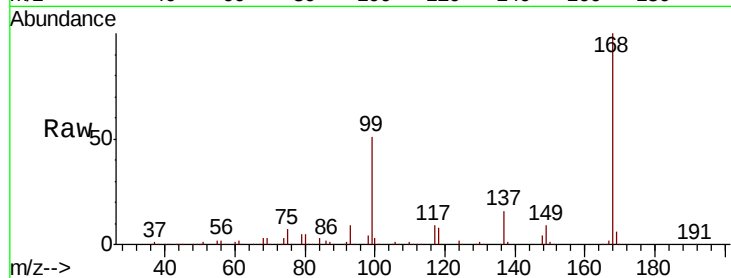
PB115504ZHE#04

Tot Ion:168 Resp: 1150002

Ion Ratio Lower Upper

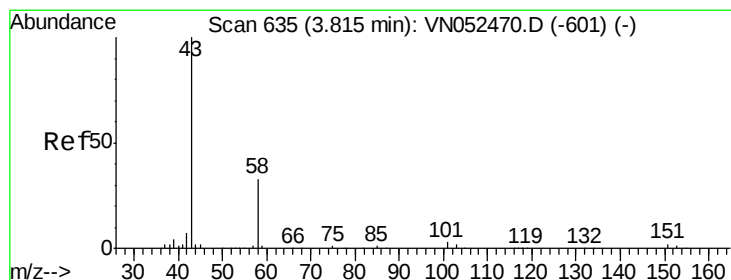
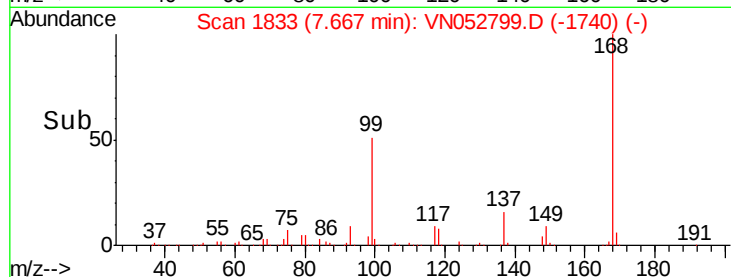
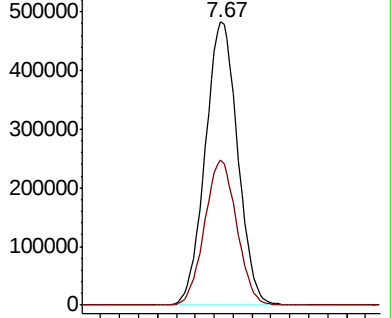
168 100

99 51.2 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 3.175 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN052799.D

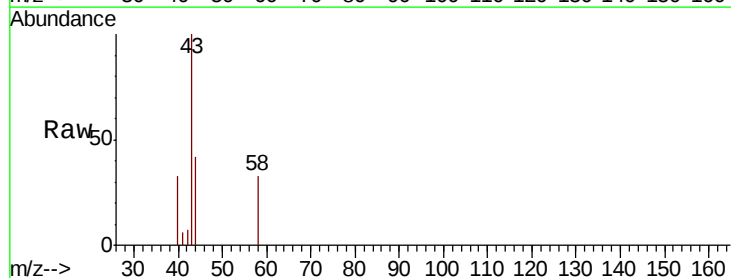
Acq: 11 Dec 2018 13:55

Tgt Ion: 43 Resp: 10487

Ion Ratio Lower Upper

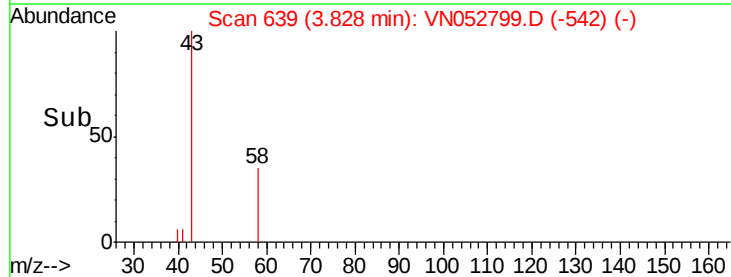
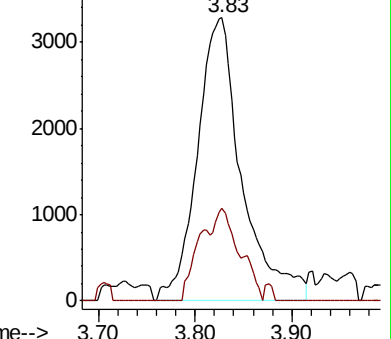
43 100

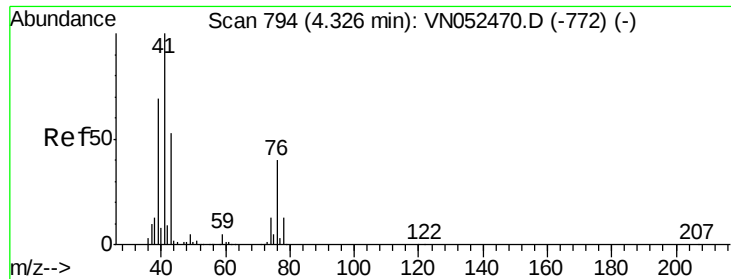
58 32.7 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

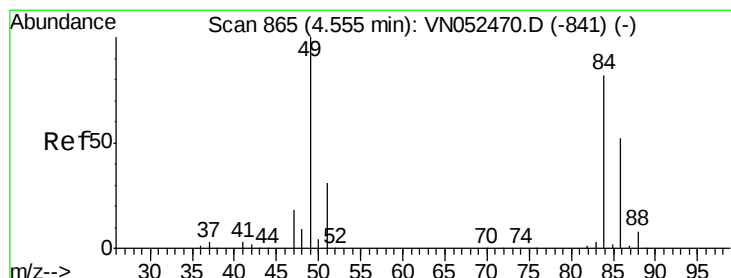
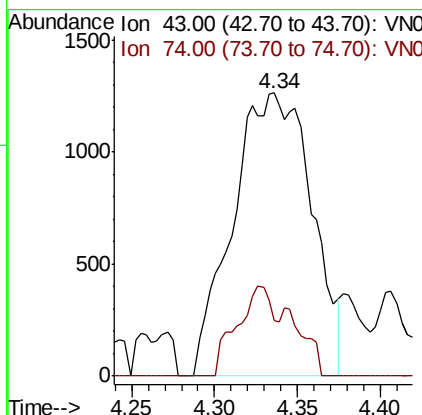
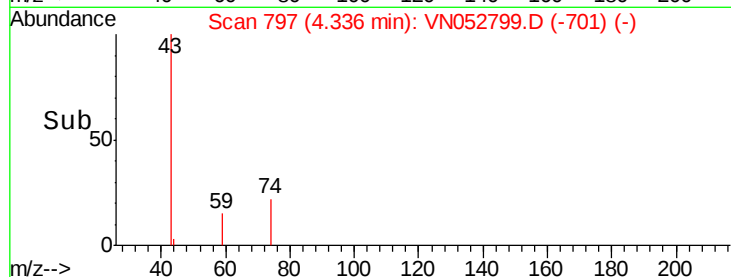
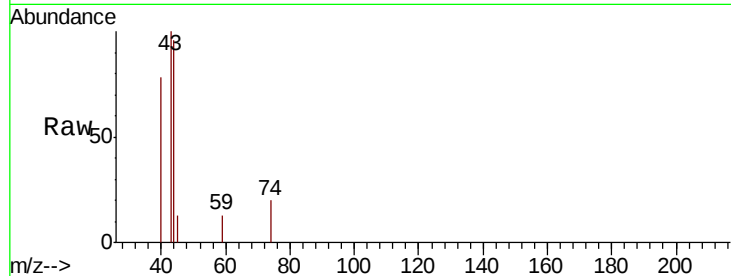




#18
Methvl Acetate
Concen: 0.443 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN052799.D
Acq: 11 Dec 2018 13:55

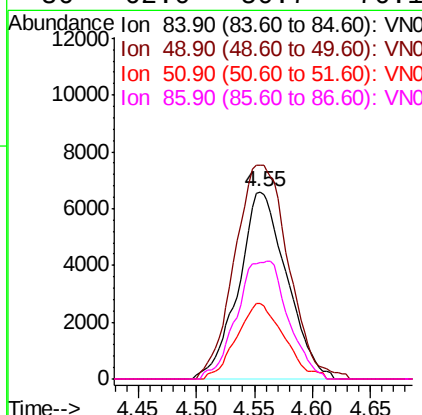
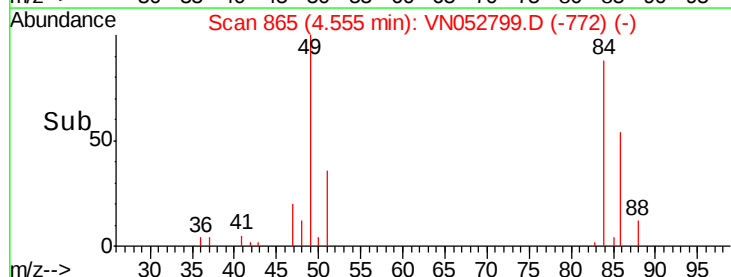
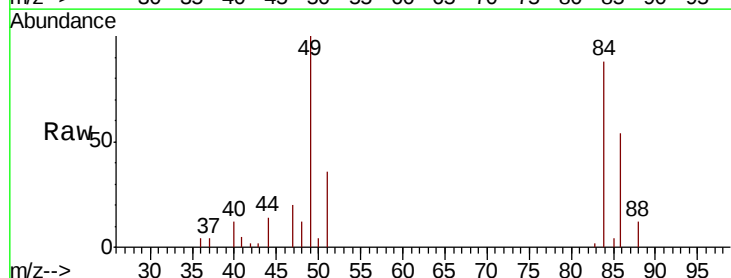
Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#04

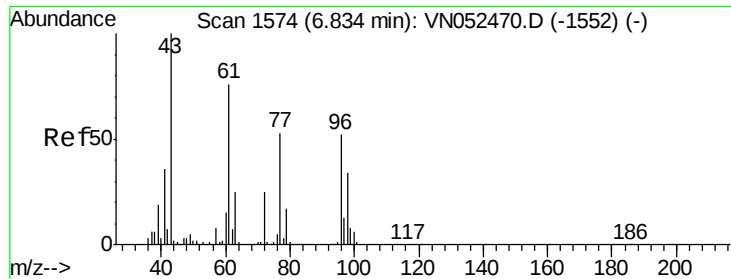
Tot Ion: 43 Resp: 4195
Ion Ratio Lower Upper
43 100
74 15.0 18.6 27.8#



#20
Methylene Chloride
Concen: 1.475 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052799.D
Acq: 11 Dec 2018 13:55

Tgt Ion: 84 Resp: 19067
Ion Ratio Lower Upper
84 100
49 114.1 98.0 147.0
51 40.6 30.1 45.1
86 62.0 50.7 76.1

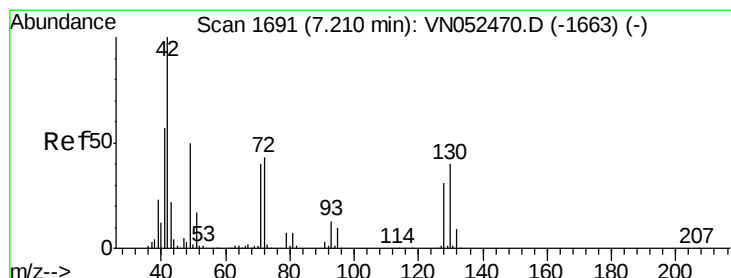
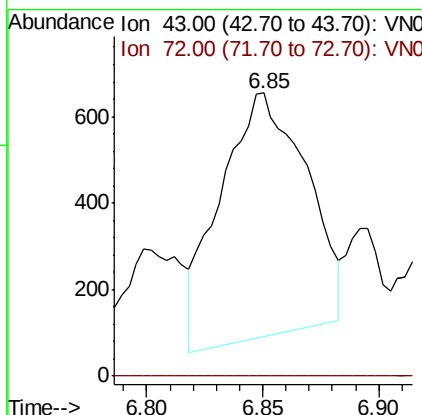
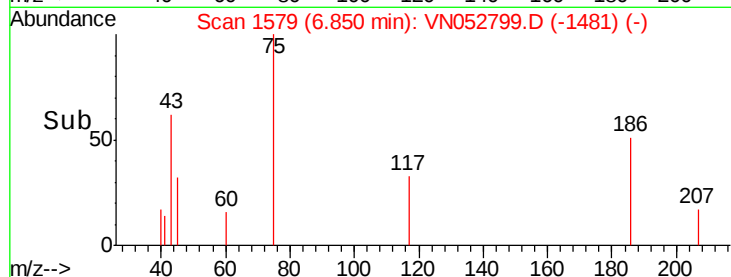
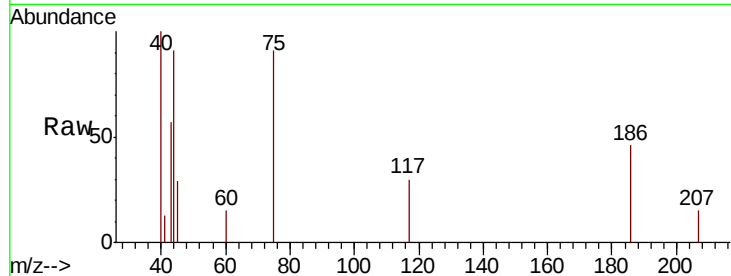




#25
 2-Butanone
 Concen: 0.313 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.02 min
 Lab File: VN052799.D
 Acq: 11 Dec 2018 13:55

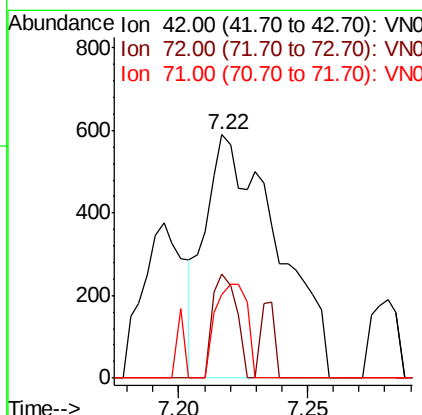
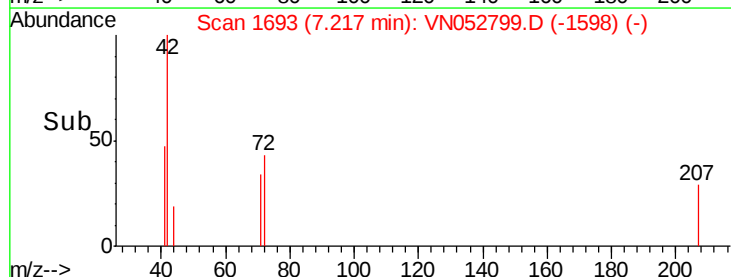
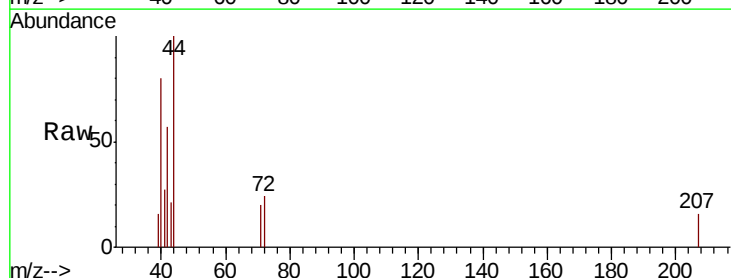
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115504ZHE#04

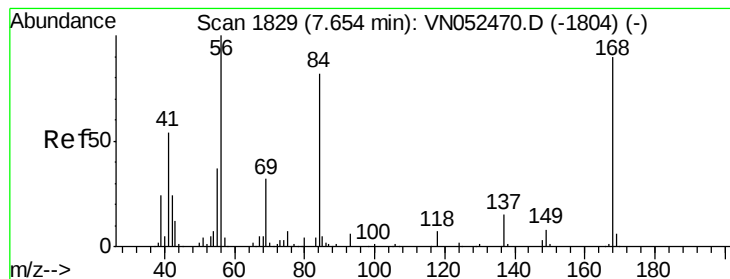
Tot Ion: 43 Resp: 1465
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.1 30.1#



#29
 Tetrahydrofuran
 Concen: 0.382 ug/l
 RT: 7.22 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: VN052799.D
 Acq: 11 Dec 2018 13:55

Tgt Ion: 42 Resp: 1152
 Ion Ratio Lower Upper
 42 100
 72 14.1 33.3 49.9#
 71 16.8 32.0 48.0#





#31

Cyclohexane

Concen: 0.561 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#04

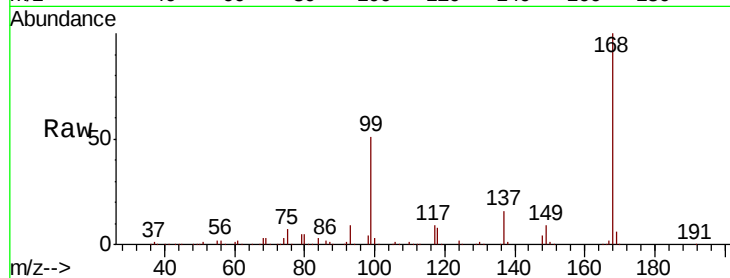
Tot Ion: 56 Resp: 19879

Ion Ratio Lower Upper

56 100

69 174.3 25.8 38.6#

84 140.4 65.3 97.9#

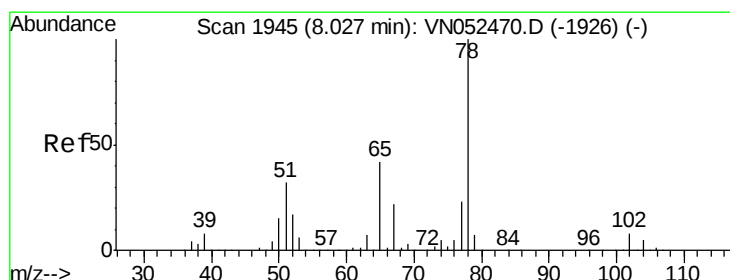
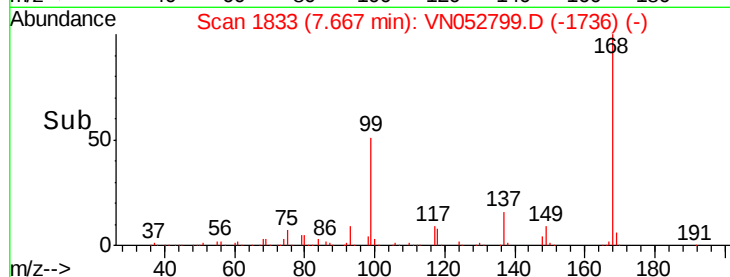
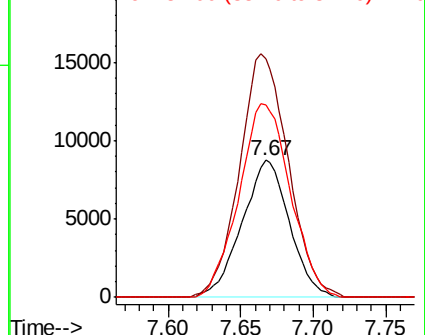


Abundance

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



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN052799.D

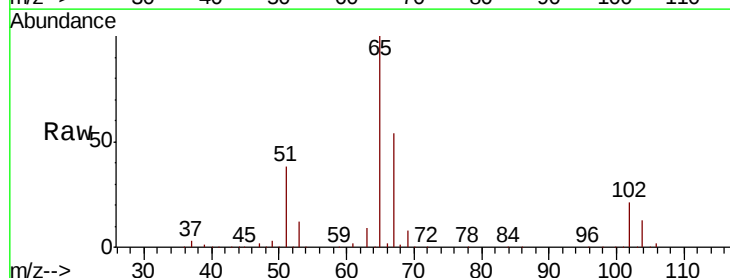
Acq: 11 Dec 2018 13:55

Tgt Ion: 65 Resp: 600861

Ion Ratio Lower Upper

65 100

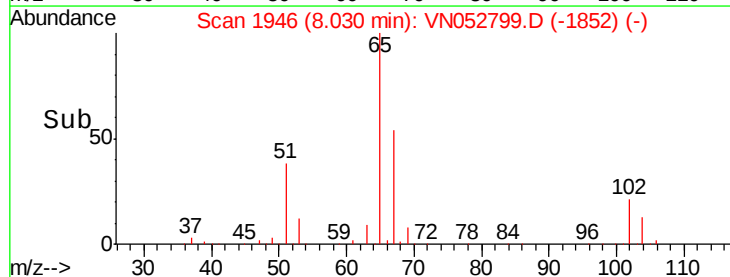
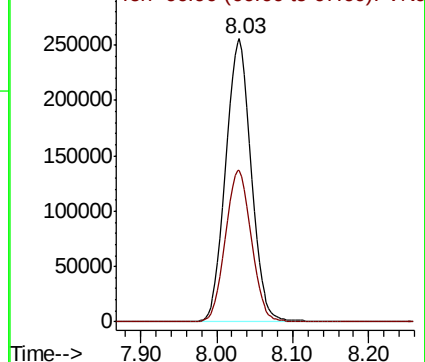
67 54.6 0.0 109.8

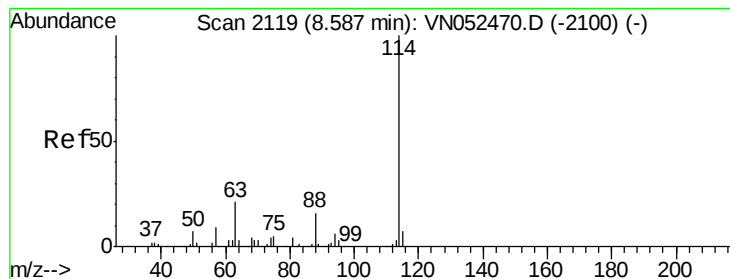


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#04

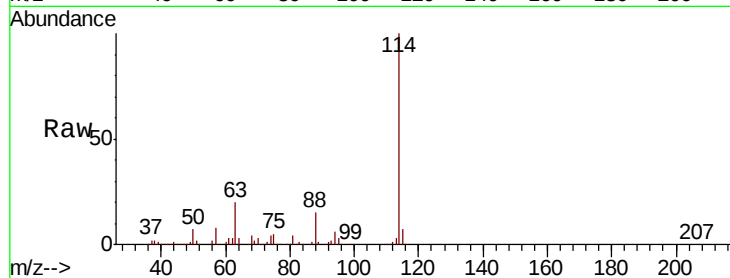
Tot Ion:114 Resp: 1767201

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.8

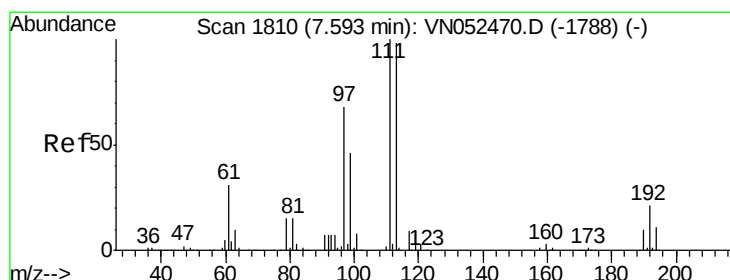
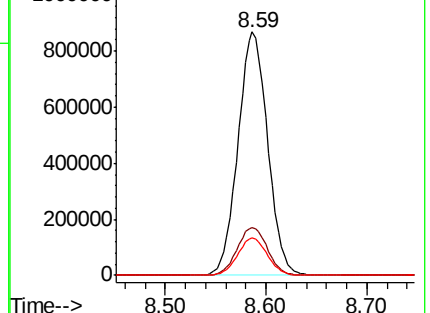
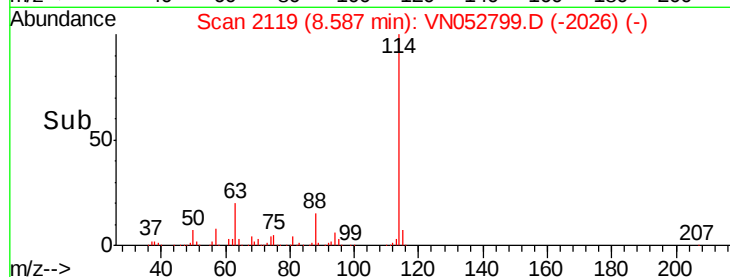
88 15.2 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

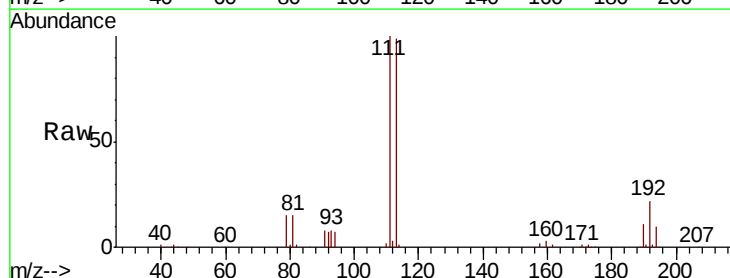
Tgt Ion:113 Resp: 497071

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

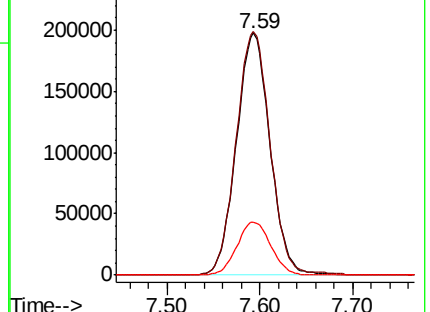
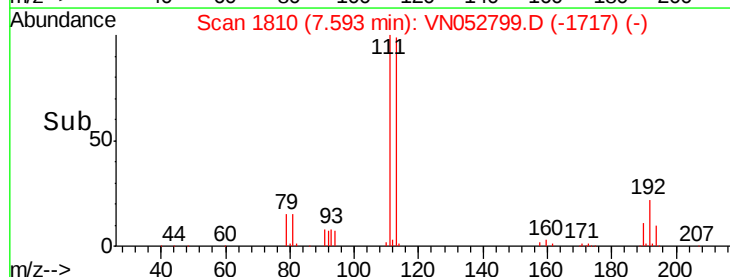
192 22.2 17.0 25.6

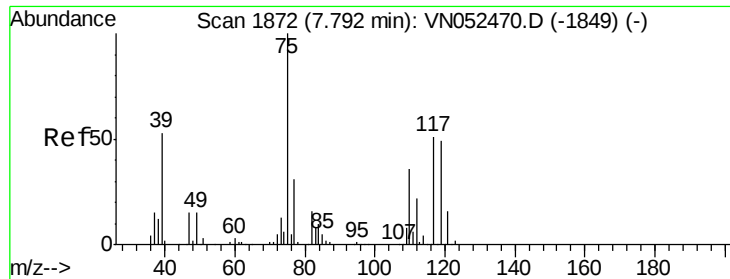


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.704 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

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PB115504ZHE#04

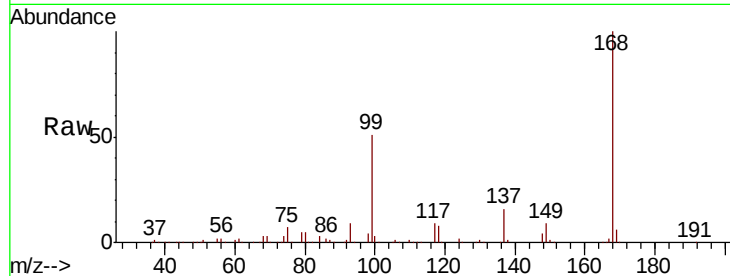
Tot Ion: 75 Resp: 78497

Ion Ratio Lower Upper

75 100

110 8.6 17.5 52.6#

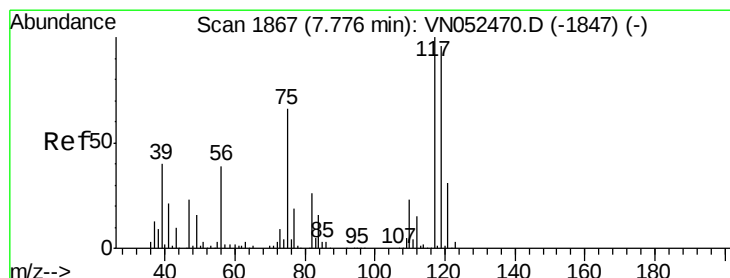
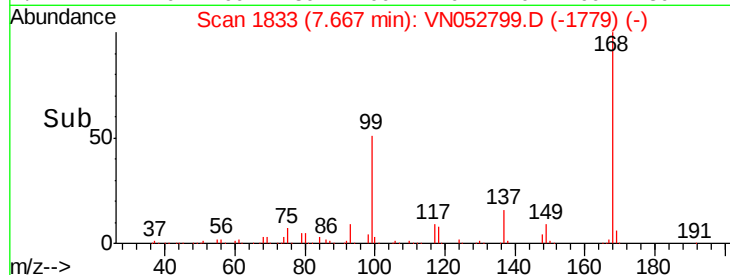
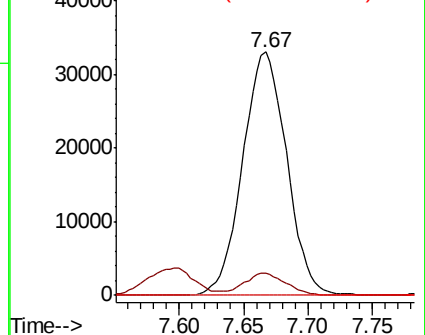
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN052799.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052799.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052799.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 6.768 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

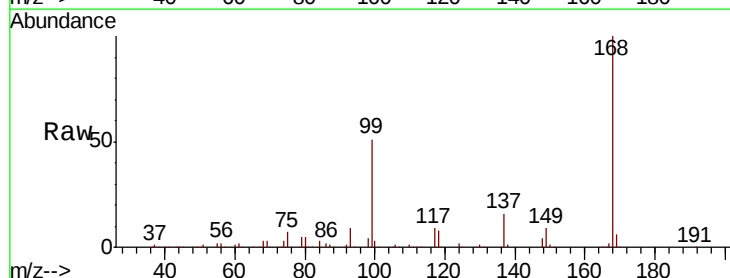
Tgt Ion: 117 Resp: 102240

Ion Ratio Lower Upper

117 100

119 5.2 76.8 115.2#

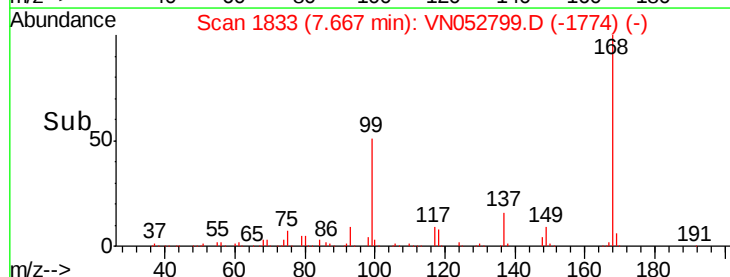
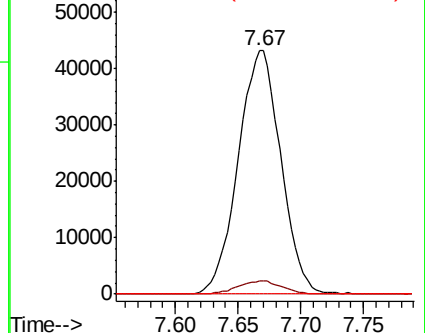
121 0.0 24.9 37.3#

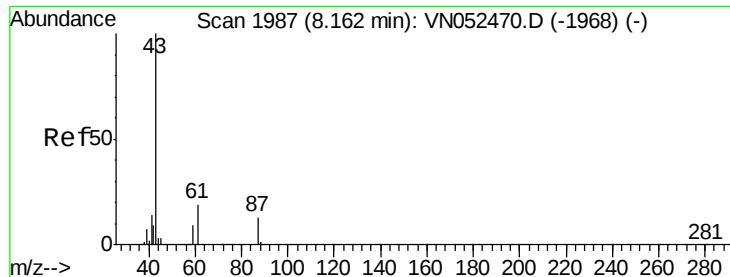


Abundance Ion 116.80 (116.50 to 117.50): VN052799.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052799.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052799.D (-1774) (-)





#43

Isopropyl Acetate

Concen: 4.051 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#04

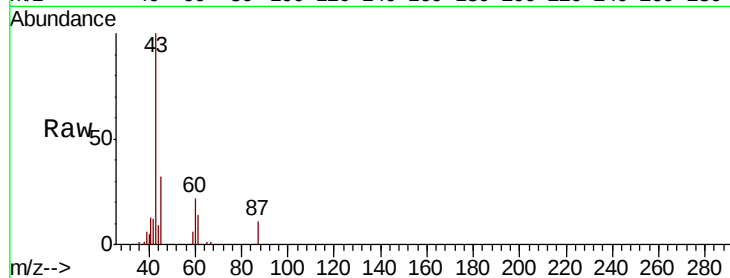
Tot Ion: 43 Resp: 69827

Ion Ratio Lower Upper

43 100

61 13.2 24.1 36.1#

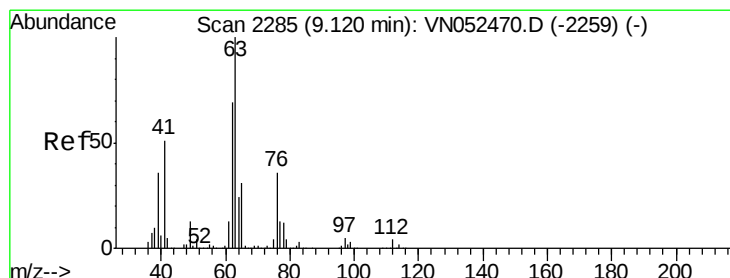
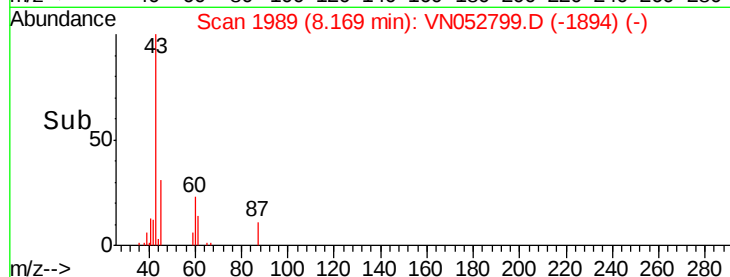
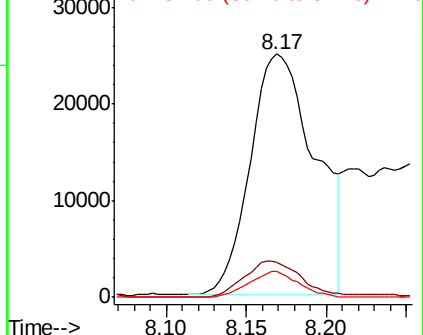
87 8.2 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.239 ug/l

RT: 9.26 min Scan# 2330

Delta R.T. 0.14 min

Lab File: VN052799.D

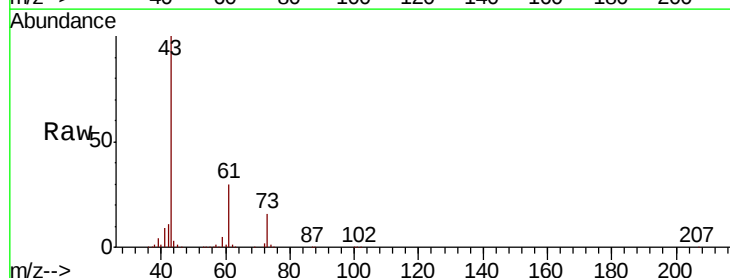
Acq: 11 Dec 2018 13:55

Tgt Ion: 63 Resp: 3163

Ion Ratio Lower Upper

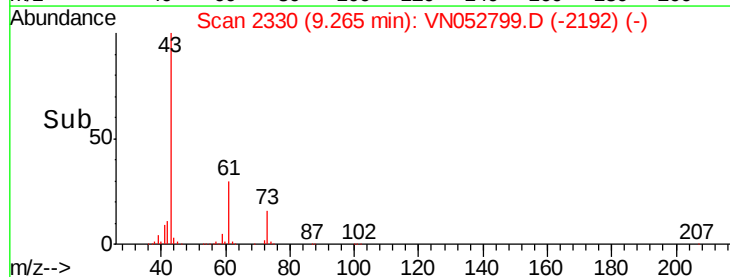
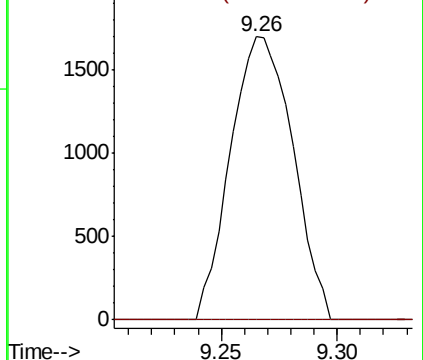
63 100

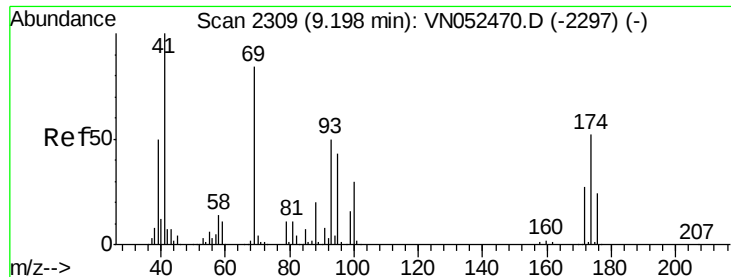
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

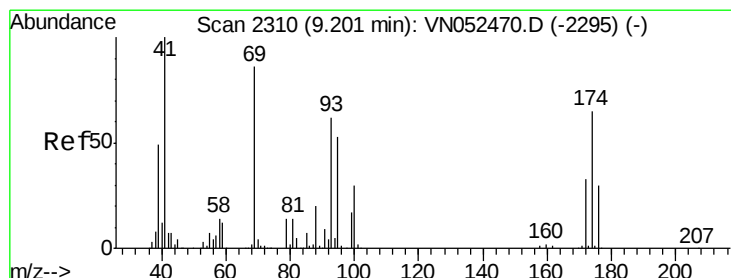
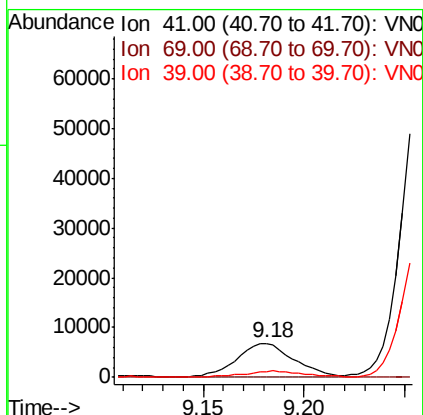
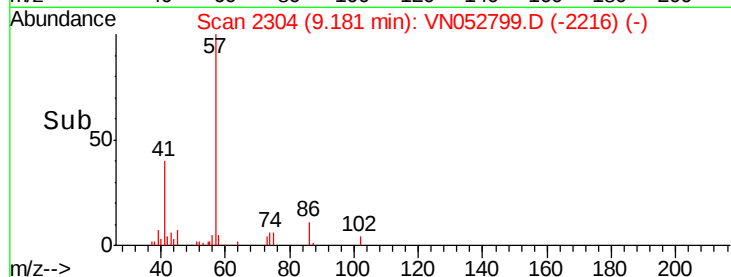
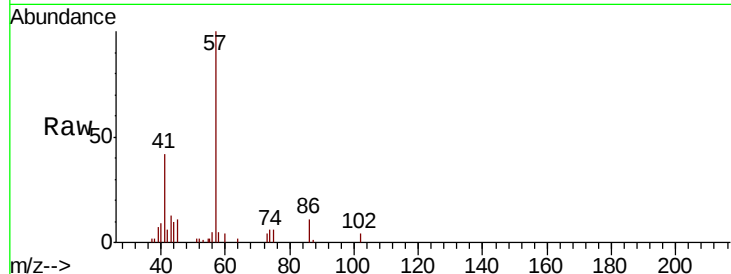




#48
Methvl methacrylate
Concen: 1.428 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052799.D
Acq: 11 Dec 2018 13:55

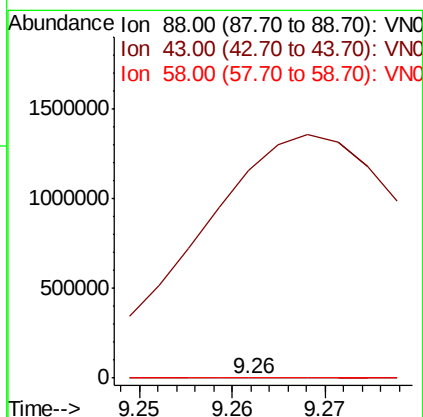
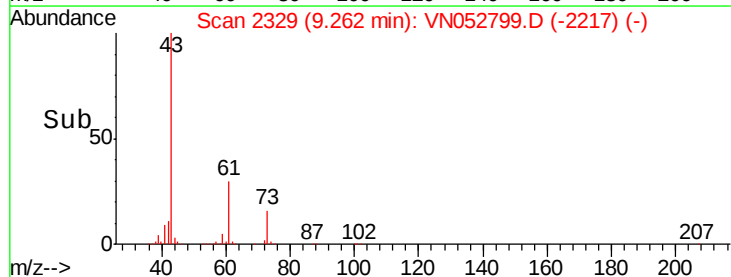
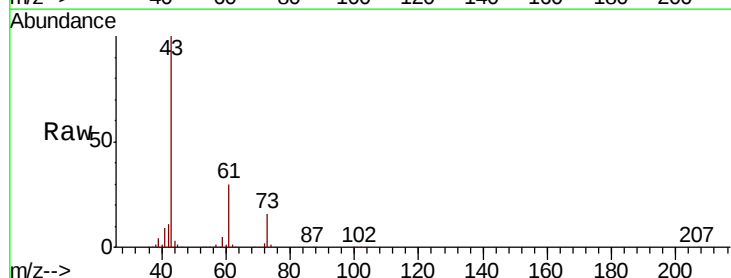
Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#04

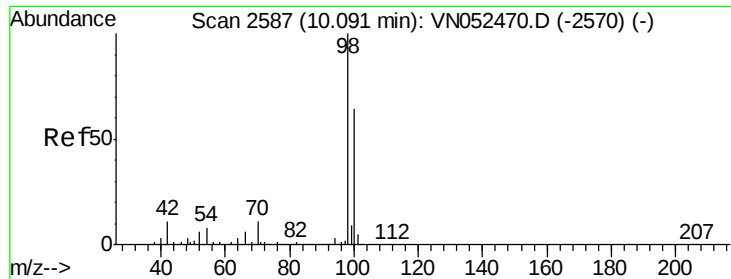
Tot Ion: 41 Resp: 12833
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 0.0 42.6 64.0#



#49
1,4-Dioxane
Concen: 0.826 ug/l
RT: 9.26 min Scan# 2329
Delta R.T. 0.06 min
Lab File: VN052799.D
Acq: 11 Dec 2018 13:55

Tgt Ion: 88 Resp: 77
Ion Ratio Lower Upper
88 100
43 3209288.3 26.4 39.6#
58 13835.1 55.4 83.0#





#50

Toluene-d8

Concen: 0.826 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

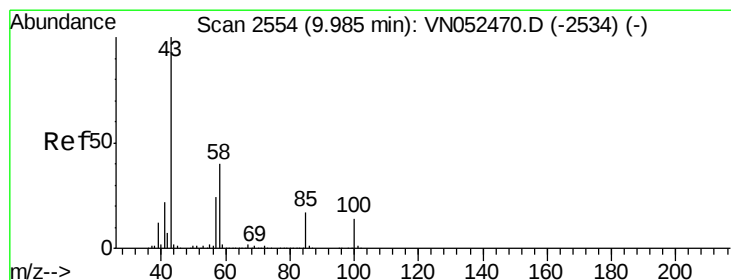
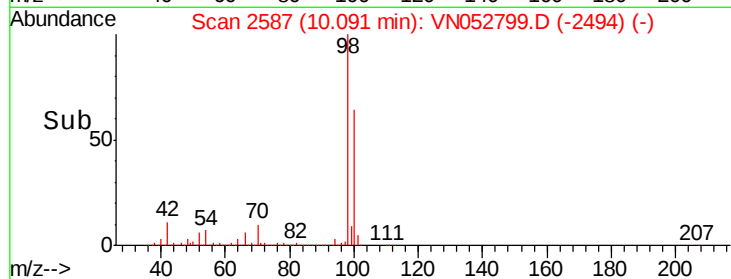
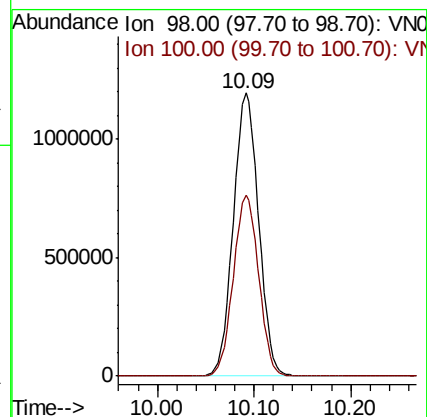
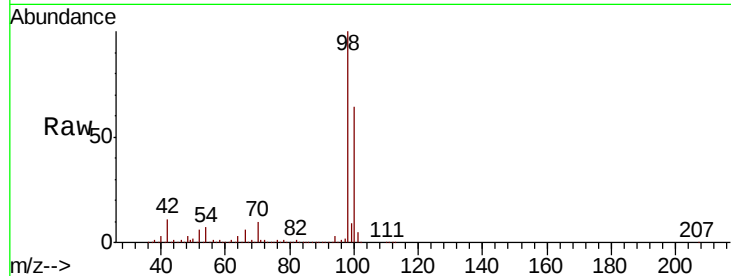
PB115504ZHE#04

Tot Ion: 98 Resp: 2174716

Ion Ratio Lower Upper

98 100

100 64.0 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.721 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052799.D

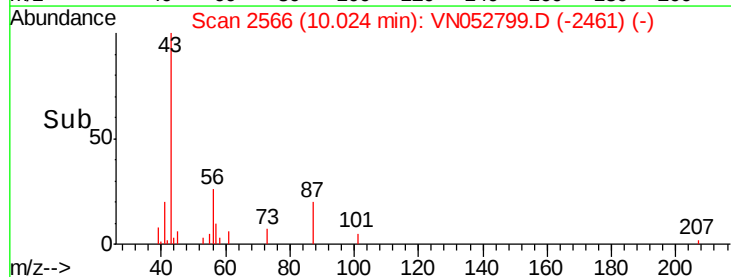
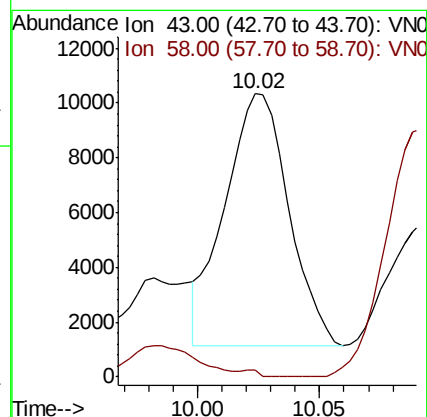
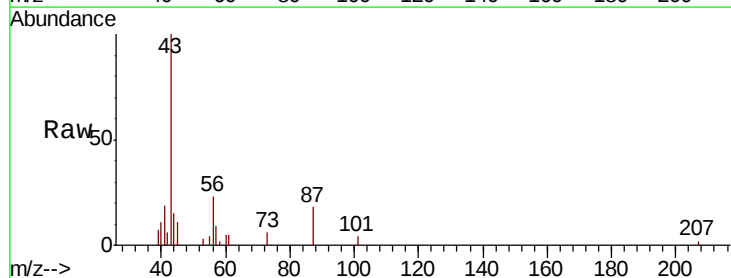
Acq: 11 Dec 2018 13:55

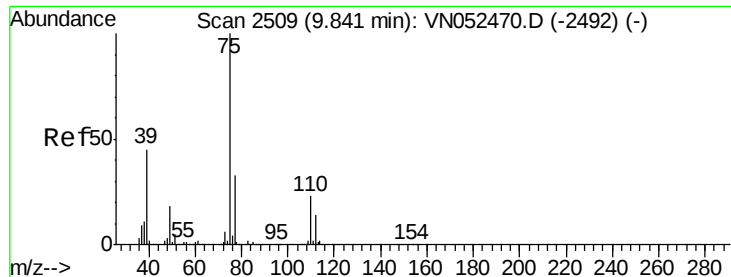
Tgt Ion: 43 Resp: 16644

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#





#54

cis-1,3-Dichloropropene

Concen: 6.277 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#04

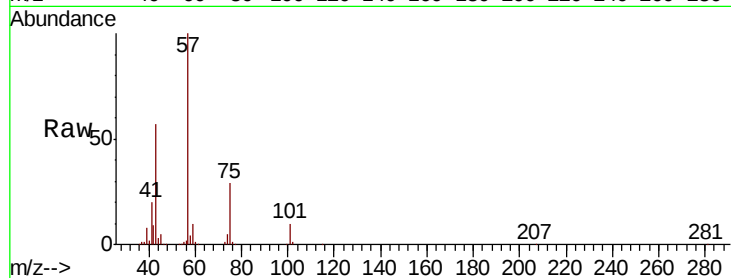
Tot Ion: 75 Resp: 115169

Ion Ratio Lower Upper

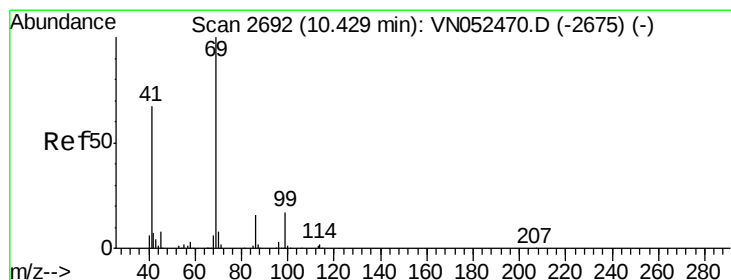
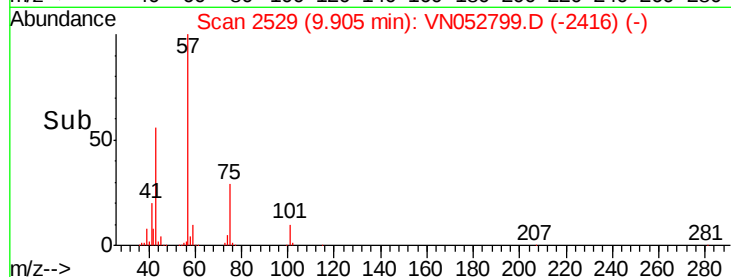
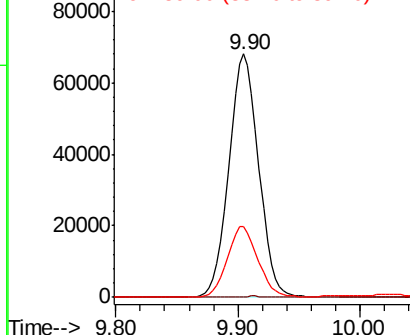
75 100

77 0.3 26.2 39.2#

39 28.8 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 76.90 (76.60 to 77.60): VNC
Ion 39.00 (38.70 to 39.70): VNC



#56

Ethyl methacrylate

Concen: 2.783 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

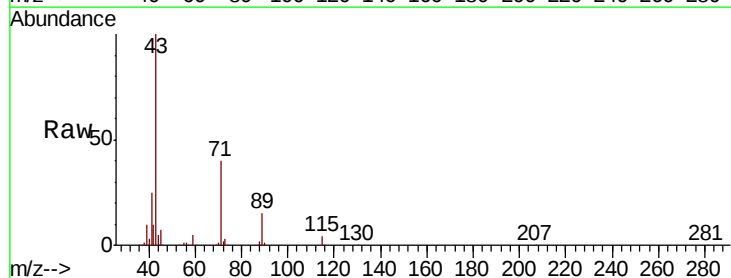
Tgt Ion: 69 Resp: 1374

Ion Ratio Lower Upper

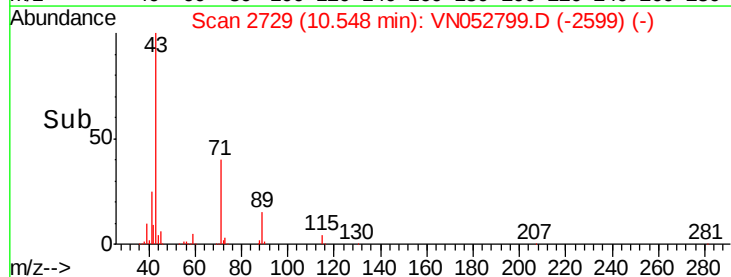
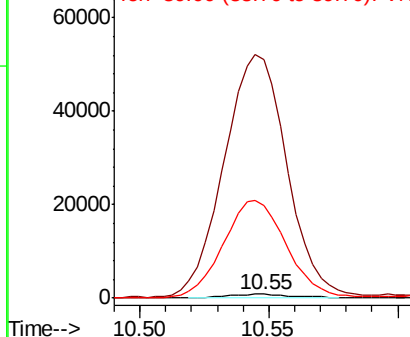
69 100

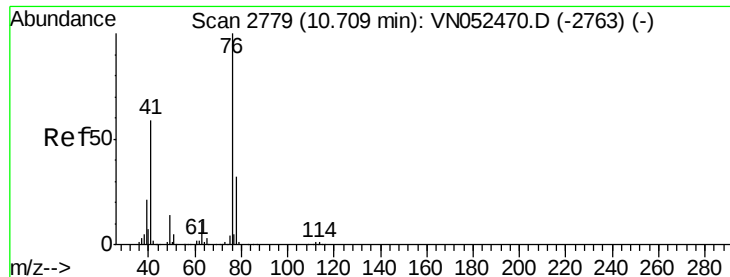
41 6531.1 52.6 79.0#

39 2608.7 25.9 38.9#



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

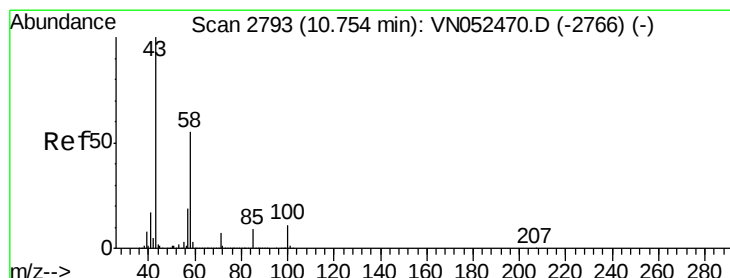
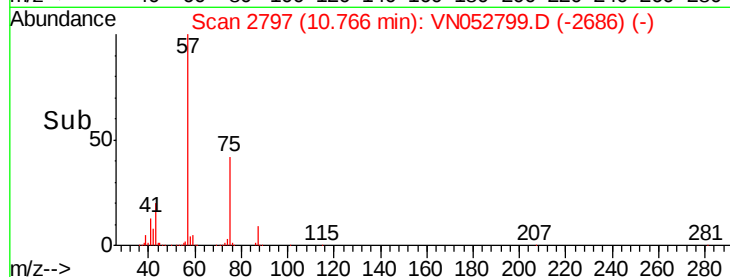
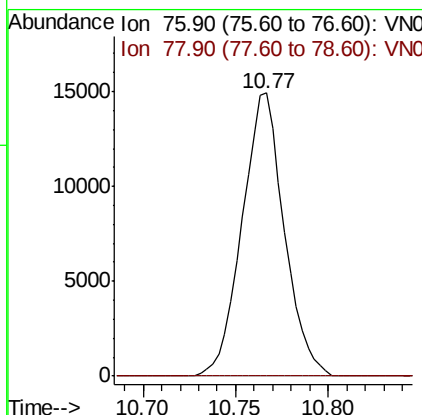
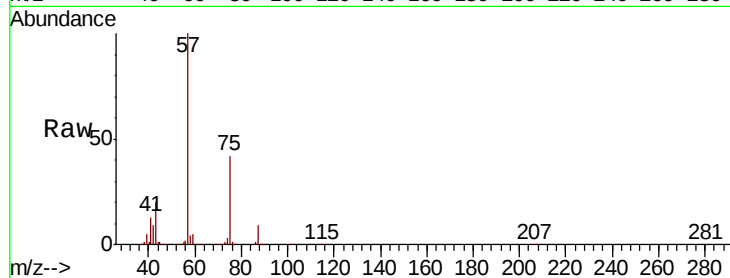




#57
 1,3-Dichloropropane
 Concen: 1.280 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN052799.D
 Acq: 11 Dec 2018 13:55

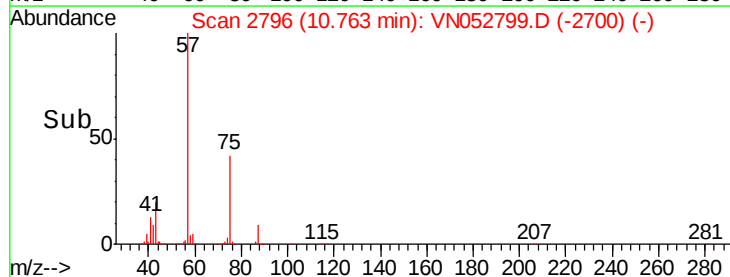
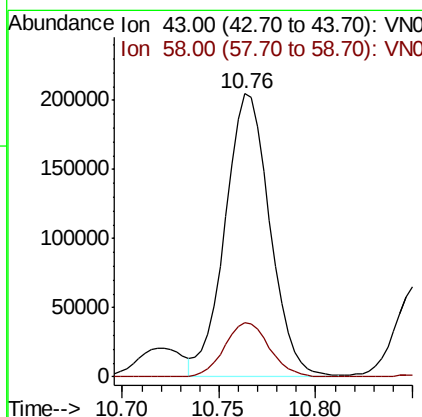
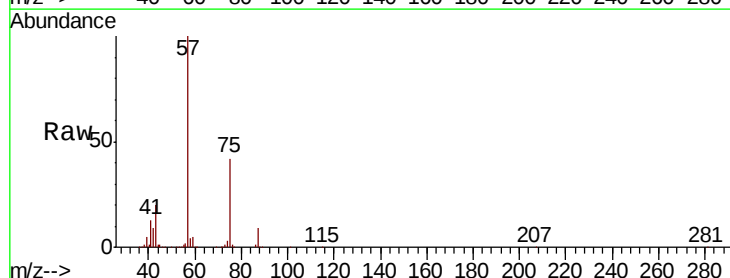
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115504ZHE#04

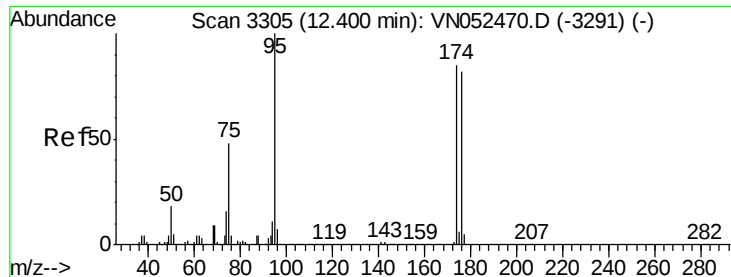
Tot Ion: 76 Resp: 23489
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 50.428 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052799.D
 Acq: 11 Dec 2018 13:55

Tgt Ion: 43 Resp: 327292
 Ion Ratio Lower Upper
 43 100
 58 19.5 27.4 82.0#

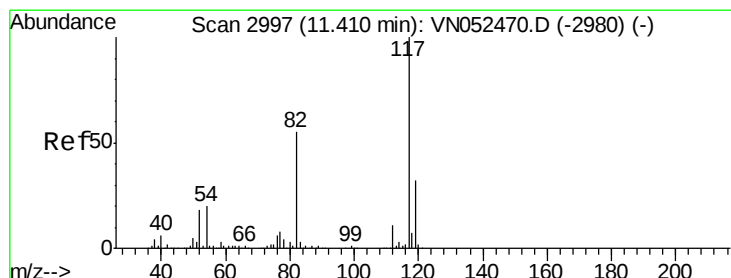
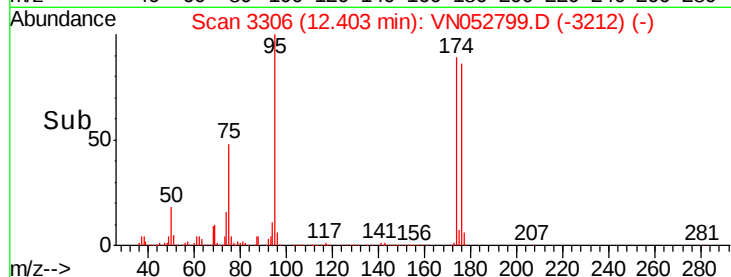
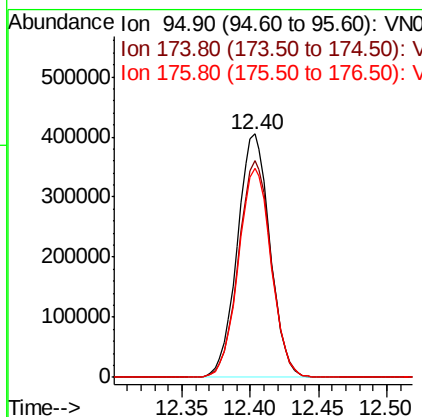
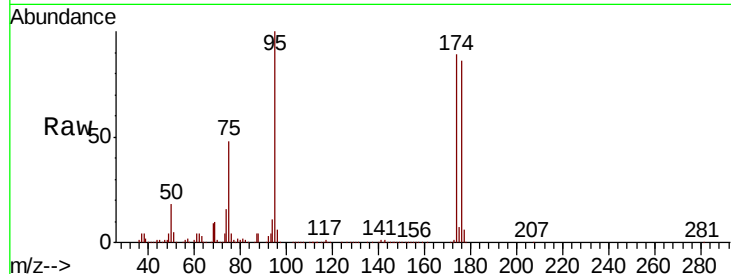




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052799.D
Acq: 11 Dec 2018 13:55

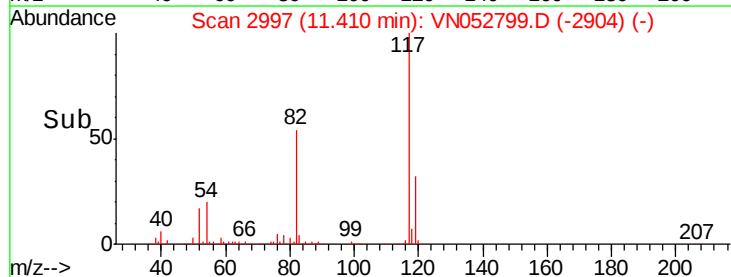
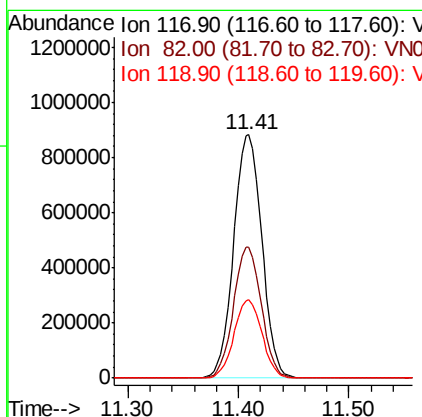
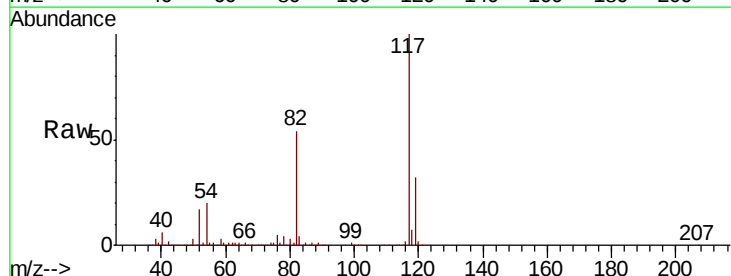
Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#04

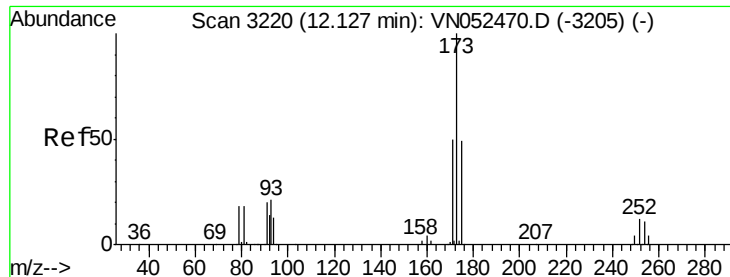
Tot Ion: 95 Resp: 672151
Ion Ratio Lower Upper
95 100
174 89.1 0.0 173.0
176 86.4 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052799.D
Acq: 11 Dec 2018 13:55

Tgt Ion: 117 Resp: 1560581
Ion Ratio Lower Upper
117 100
82 53.7 43.6 65.4
119 32.1 25.4 38.2





#71

Bromoform

Concen: 0.539 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#04

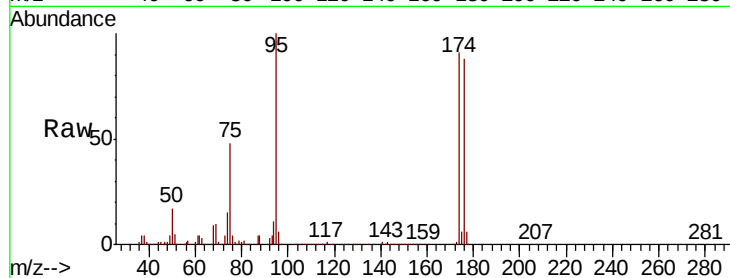
Tot Ion:173 Resp: 3995

Ion Ratio Lower Upper

173 100

175 951.3 24.4 73.2#

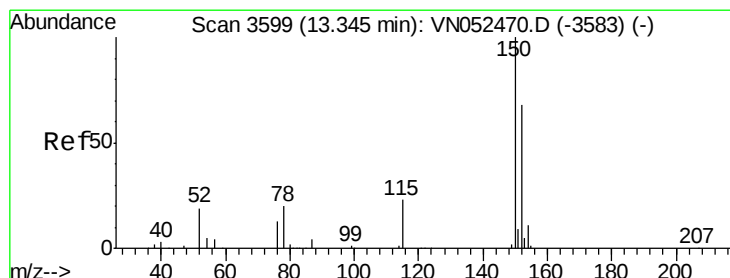
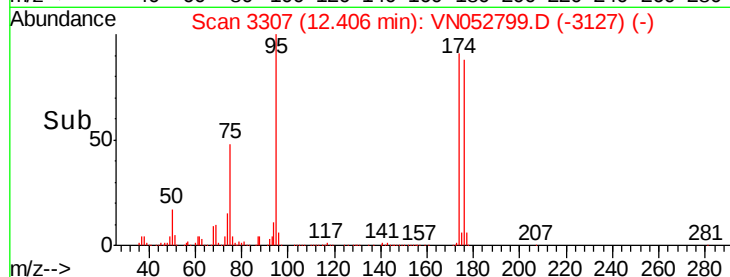
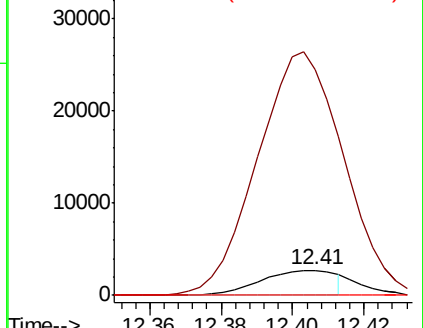
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

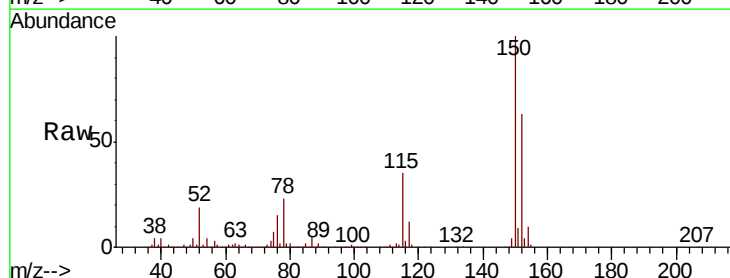
Tgt Ion:152 Resp: 579890

Ion Ratio Lower Upper

152 100

115 56.4 28.4 85.2

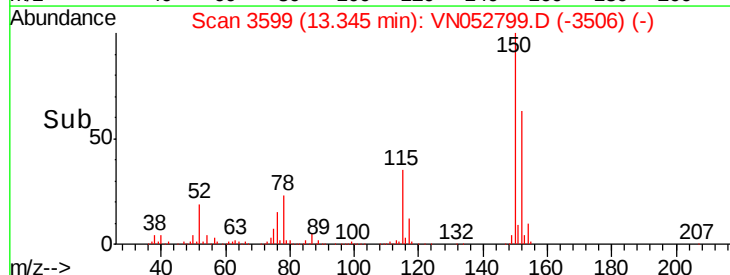
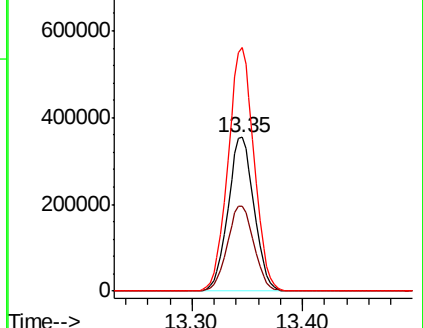
150 158.0 0.0 346.0

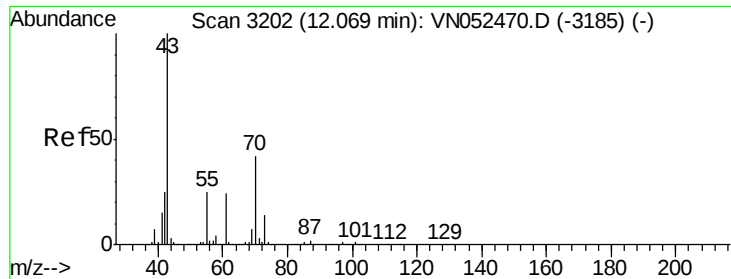


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

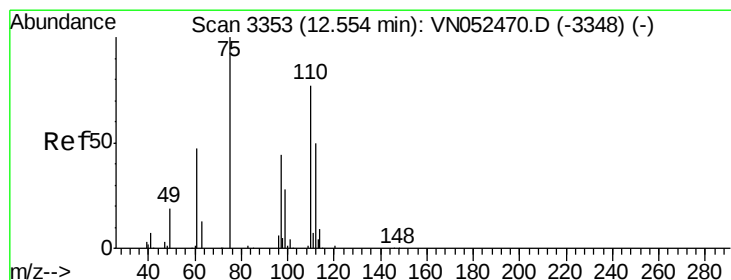
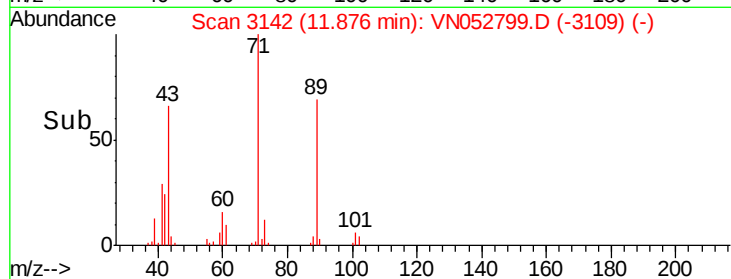
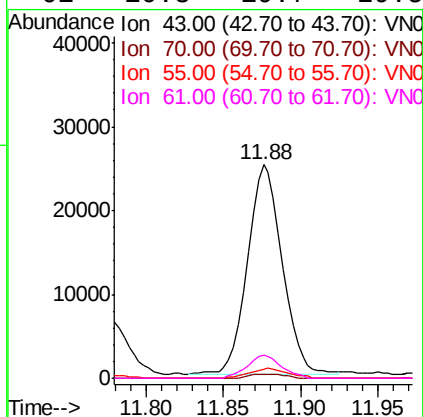
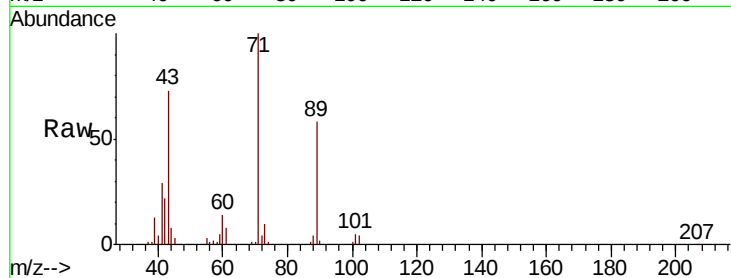




#74
N-amvl acetate
Concen: 3.395 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN052799.D
Acq: 11 Dec 2018 13:55

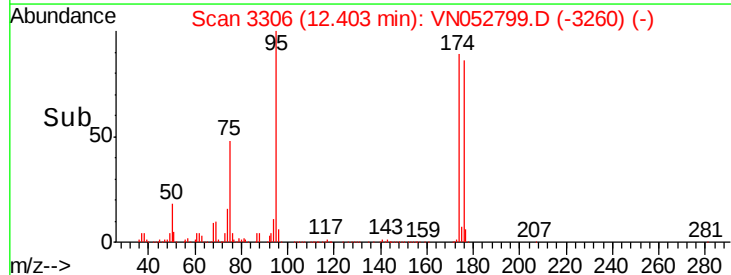
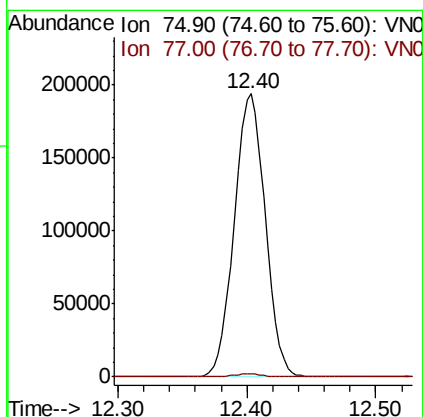
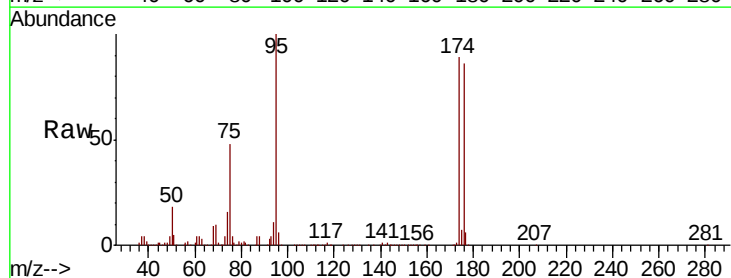
Instrument :
MSVOA_N
ClientSampleId :
PB115504ZHE#04

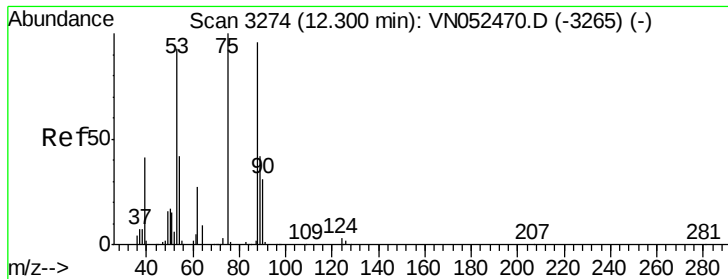
Tot Ion: 43 Resp: 39017
Ion Ratio Lower Upper
43 100
70 2.1 33.8 50.8#
55 5.2 20.0 30.0#
61 10.8 19.7 29.5#



#76
1,2,3-Trichloropropane
Concen: 36.221 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN052799.D
Acq: 11 Dec 2018 13:55

Tgt Ion: 75 Resp: 323898
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 120.962 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#04

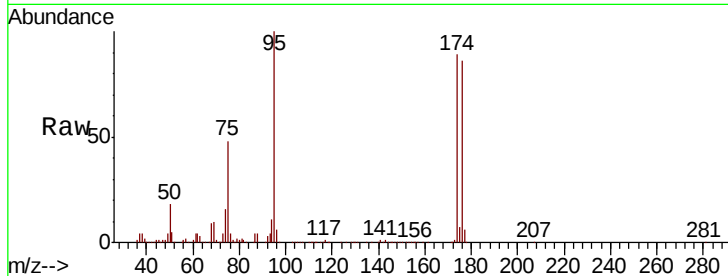
Tot Ion: 75 Resp: 323898

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

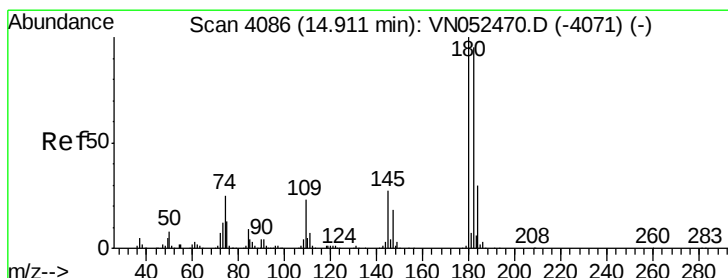
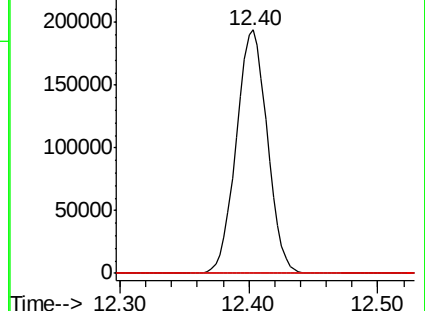
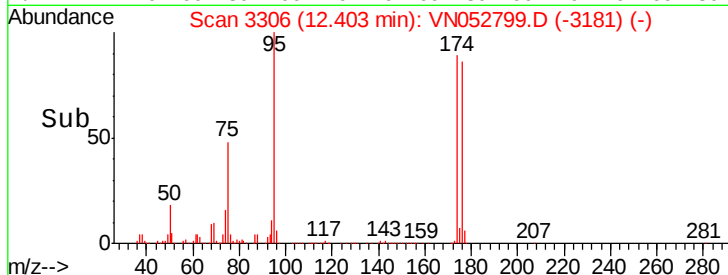
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052470.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN052470.D (-3265) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.853 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

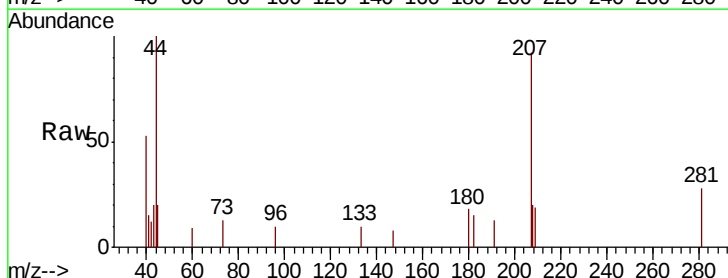
Tgt Ion: 180 Resp: 258

Ion Ratio Lower Upper

180 100

182 138.4 47.8 143.4

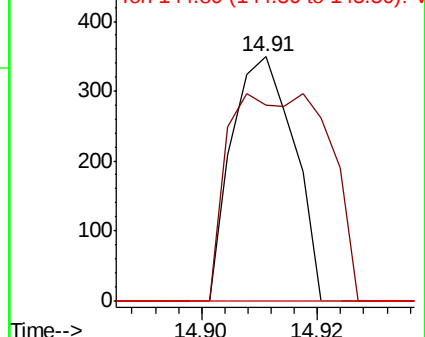
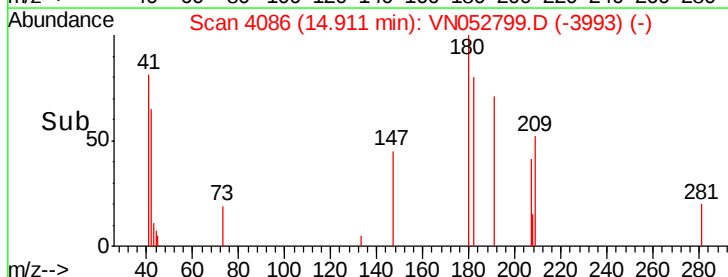
145 0.0 14.1 42.3#

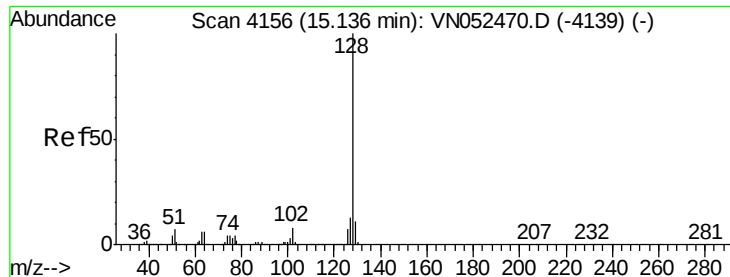


Abundance Ion 179.80 (179.50 to 180.50): VN052470.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN052470.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN052470.D (-4071) (-)





#95

Naphthalene

Concen: 3.476 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB115504ZHE#04

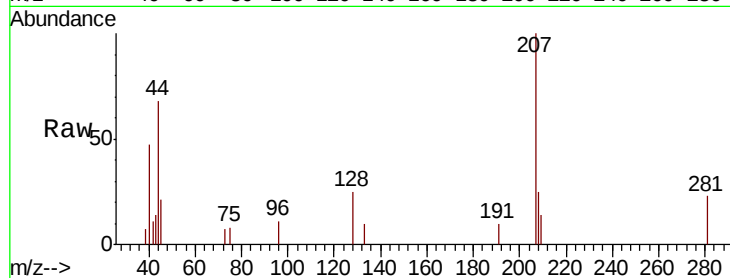
Tot Ion:128 Resp: 1119

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 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

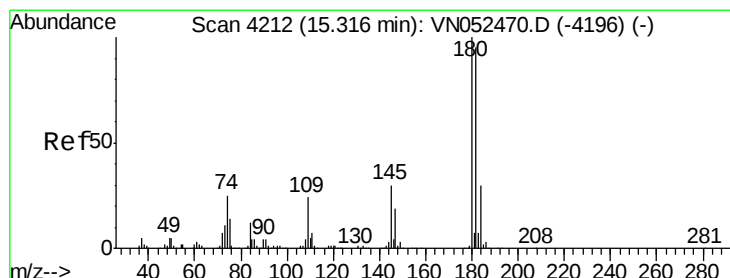
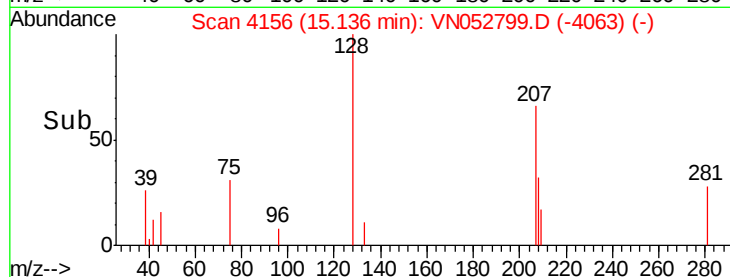
15.14

400

200

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 2.758 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052799.D

Acq: 11 Dec 2018 13:55

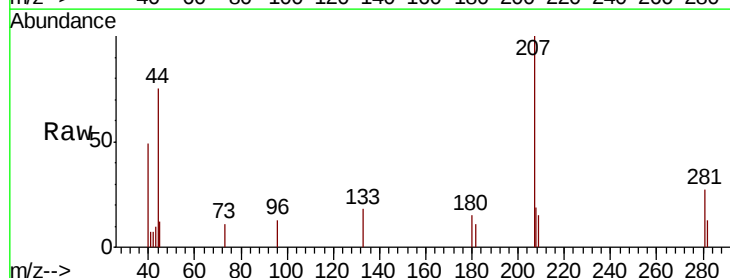
Tgt Ion:180 Resp: 310

Ion Ratio Lower Upper

180 100

182 75.8 47.8 143.3

145 0.0 15.2 45.5#



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

15.32

400

300

200

100

0

Time-->

