

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055007.D
 Acq On : 12 Apr 2019 18:52
 Operator : JC/SP
 Sample : PB118834TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB118834TB

Quant Time: Apr 13 03:42:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

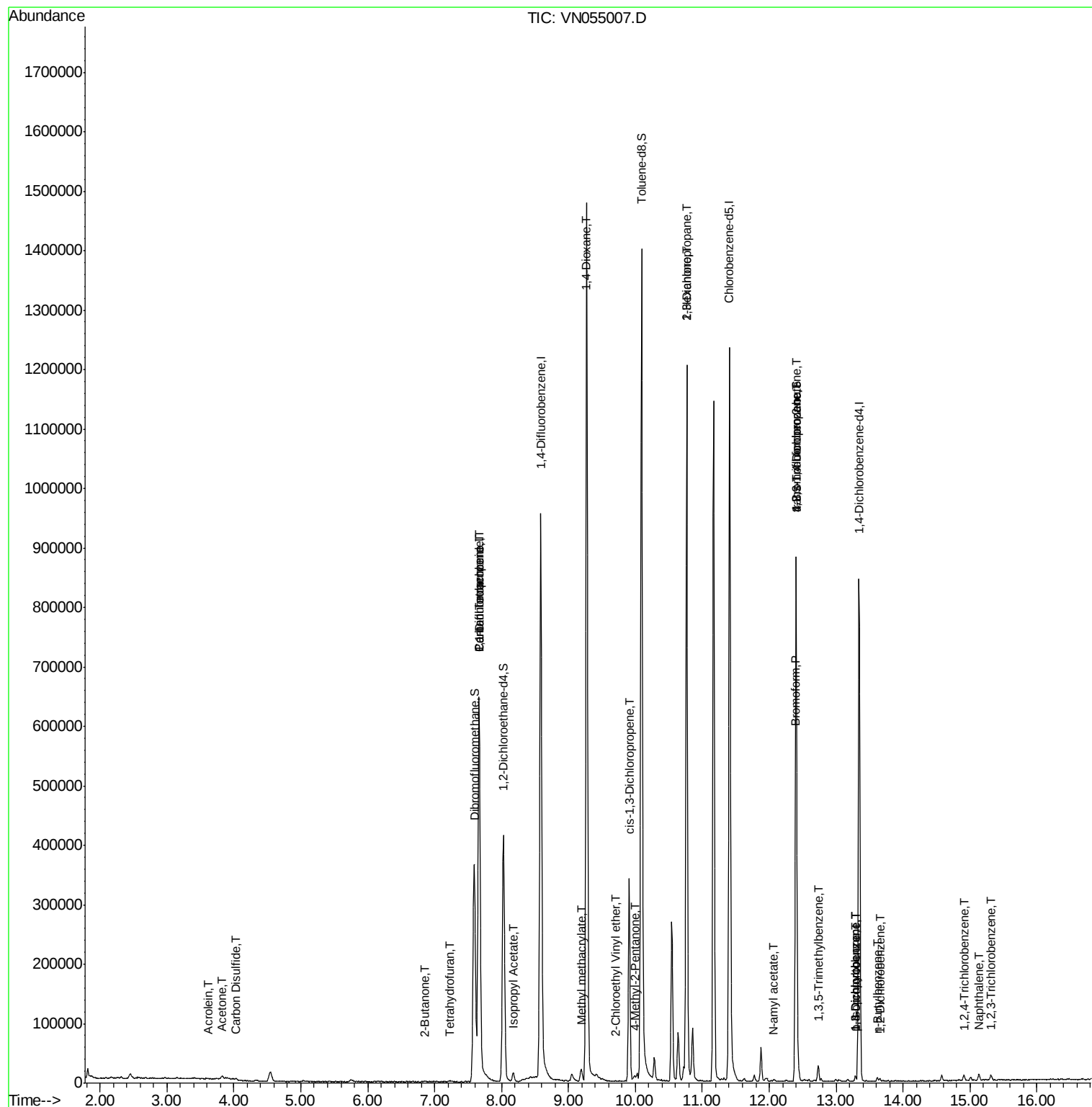
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	553216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	876304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	729867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	236403	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	350356	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
35) Dibromofluoromethane	7.59	113	277505	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.09	98	1039826	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.40	95	301882	43.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.36%	
Target Compounds						
					Qvalue	
13) Acrolein	3.61	56	882	1.710	ug/l	89
16) Acetone	3.82	43	9551	5.008	ug/l	96
17) Carbon Disulfide	4.03	76	5212	0.374	ug/l	99
25) 2-Butanone	6.86	43	1003	0.341	ug/l #	53
29) Tetrahydrofuran	7.22	42	1273	0.661	ug/l #	77
31) Cyclohexane	7.67	56	11849	Below Cal	#	7
36) 1,1-Dichloropropene	7.67	75	41827	5.165	ug/l #	50
38) Carbon Tetrachloride	7.66	117	53000	6.952	ug/l #	16
43) Isopropyl Acetate	8.17	43	17398	1.674	ug/l	98
48) Methyl methacrylate	9.18	41	8905	1.663	ug/l #	17
49) 1,4-Dioxane	9.27	88	136	2.361	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	6768	1.112	ug/l #	74
54) cis-1,3-Dichloropropene	9.91	75	54413	6.059	ug/l #	67
57) 1,3-Dichloropropane	10.77	76	12055	1.295	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.71	63	237	18.273	ug/l #	50
59) 2-Hexanone	10.77	43	187724	49.351	ug/l #	55
71) Bromoform	12.38	173	81	2.607	ug/l #	29
74) N-amyl acetate	12.07	43	1851	0.306	ug/l #	88
76) 1,2,3-Trichloropropane	12.40	75	155638	35.785	ug/l #	100
77) Bromobenzene	12.52	156	701	Below Cal		88
80) 1,3,5-Trimethylbenzene	12.73	105	14184	0.867	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	155638	147.703	ug/l #	2
86) p-Isopropyltoluene	13.29	119	3254	0.209	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	2112	0.263	ug/l	96
88) 1,4-Dichlorobenzene	13.28	146	2112	0.275	ug/l	94
89) n-Butylbenzene	13.62	91	4501	0.368	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	2329	0.299	ug/l	84
93) 1,2,4-Trichlorobenzene	14.91	180	3225	4.305	ug/l	98
94) Hexachlorobutadiene	15.01	225	988	Below Cal		81
95) Naphthalene	15.13	128	9502	5.629	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	3487	0.992	ug/l	100

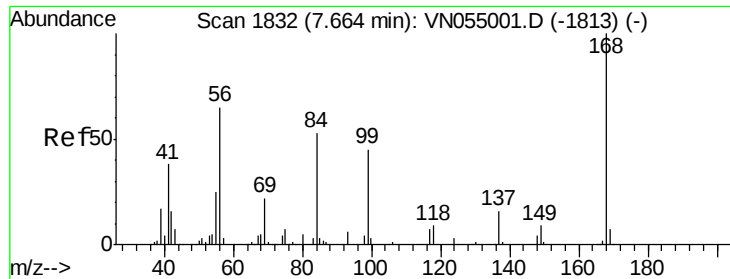
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

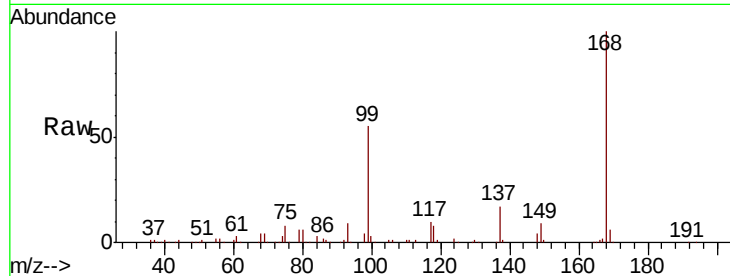
PB118834TB

Tot Ion:168 Resp: 553216

Ion Ratio Lower Upper

168 100

99 54.7 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

250000

200000

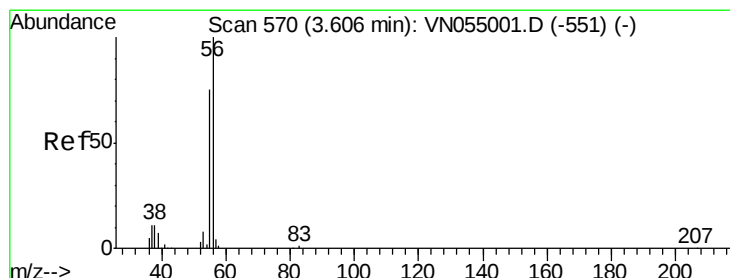
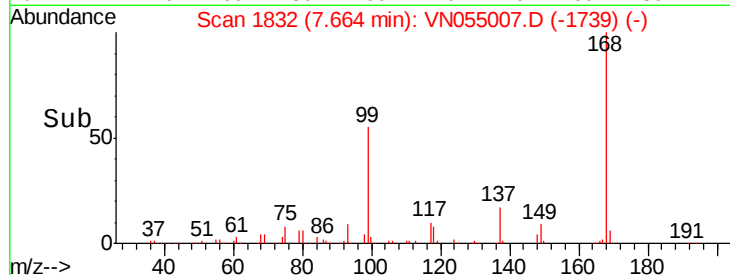
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 1.710 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055007.D

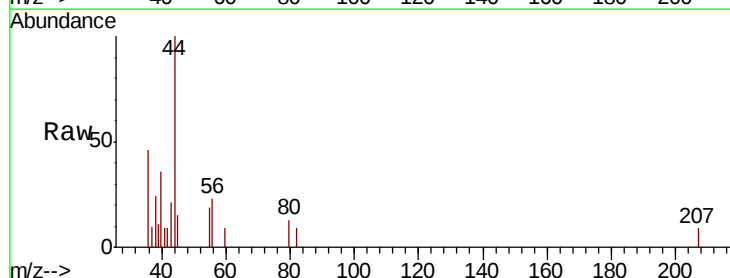
Acq: 12 Apr 2019 18:52

Tgt Ion: 56 Resp: 882

Ion Ratio Lower Upper

56 100

55 64.7 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.61

500

400

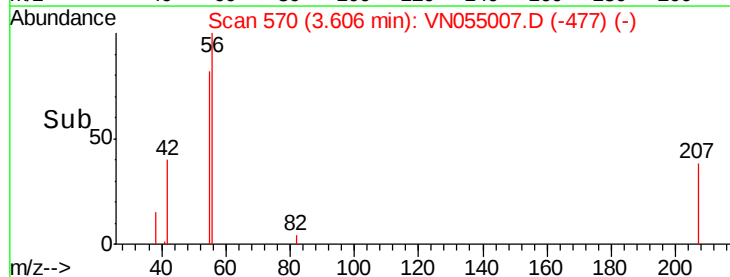
300

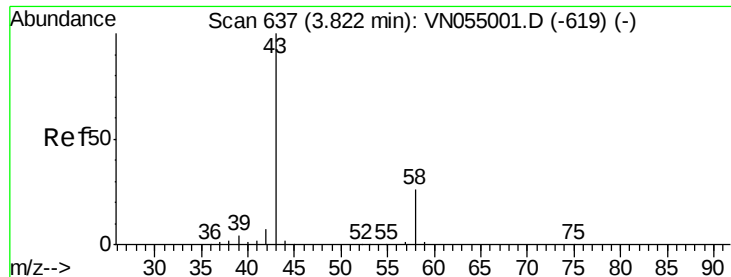
200

100

0

Time-->





#16

Acetone

Concen: 5.008 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

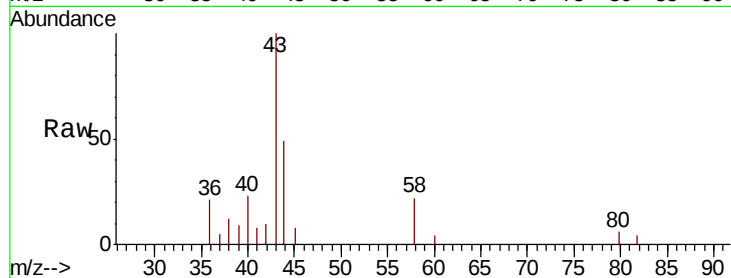
PB118834TB

Tot Ion: 43 Resp: 9551

Ion Ratio Lower Upper

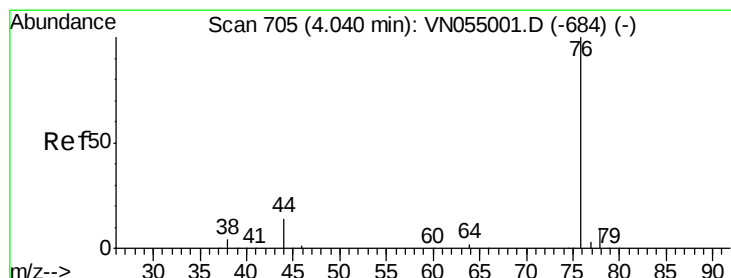
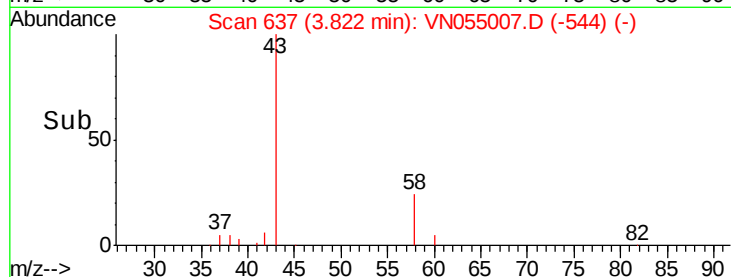
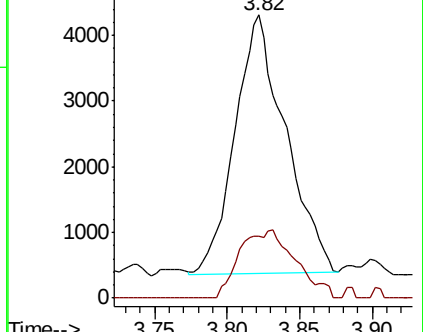
43 100

58 23.9 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-619) (-)



#17

Carbon Disulfide

Concen: 0.374 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN055007.D

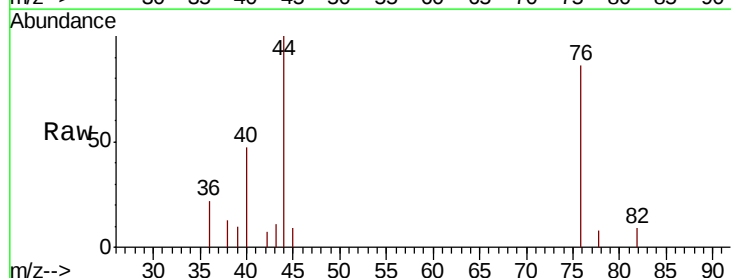
Acq: 12 Apr 2019 18:52

Tgt Ion: 76 Resp: 5212

Ion Ratio Lower Upper

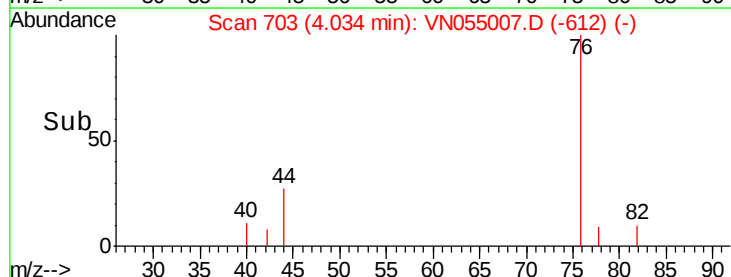
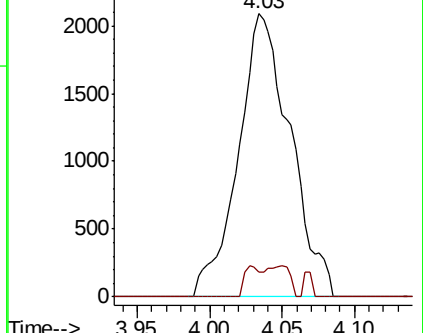
76 100

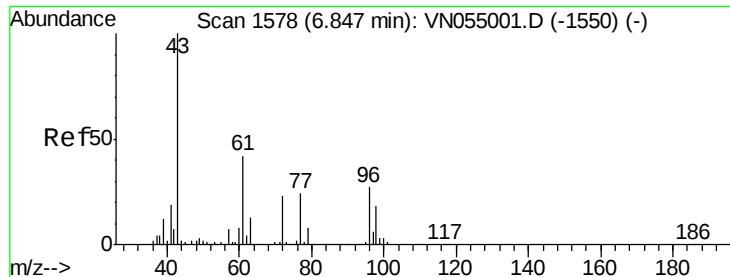
78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN055001.D (-684) (-)

Ion 77.90 (77.60 to 78.60): VN055001.D (-684) (-)





#25

2-Butanone

Concen: 0.341 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

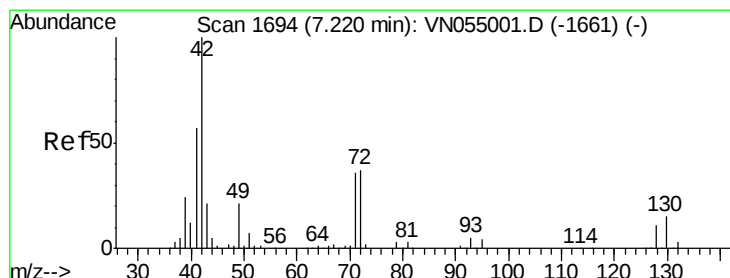
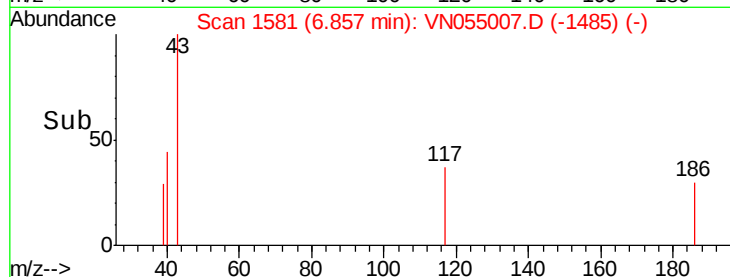
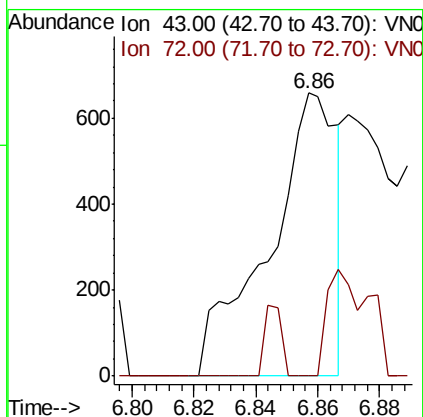
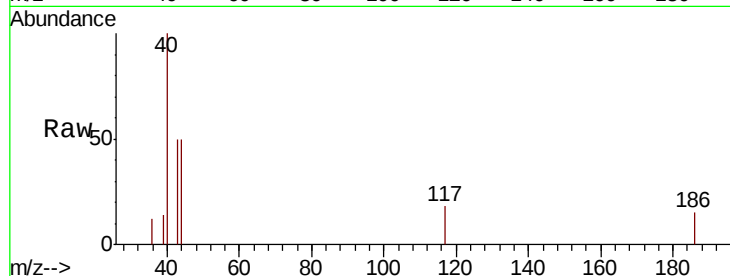
PB118834TB

Tot Ion: 43 Resp: 1003

Ion Ratio Lower Upper

43 100

72 0.0 18.1 27.1#



#29

Tetrahydrofuran

Concen: 0.661 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

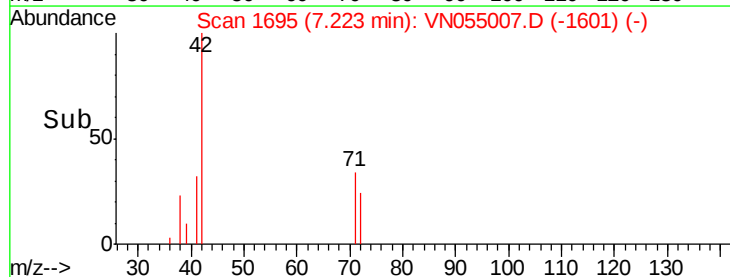
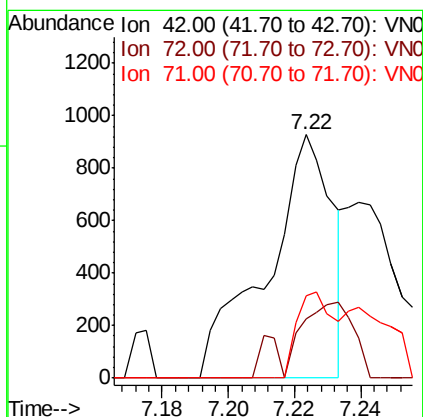
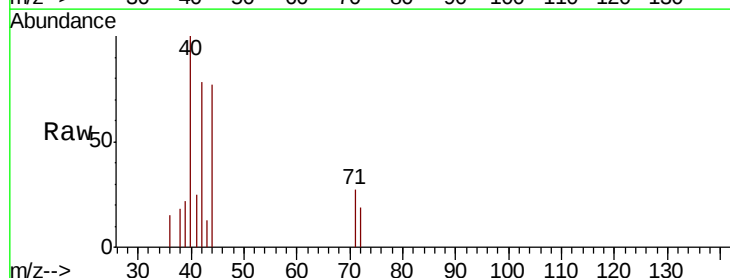
Tgt Ion: 42 Resp: 1273

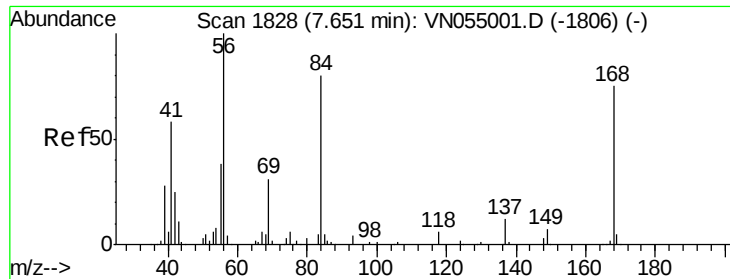
Ion Ratio Lower Upper

42 100

72 24.4 29.4 44.0#

71 20.0 27.8 41.6#

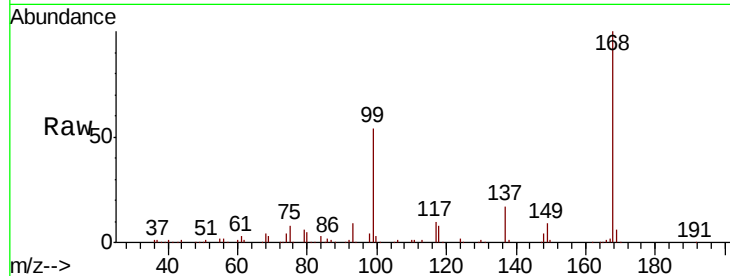




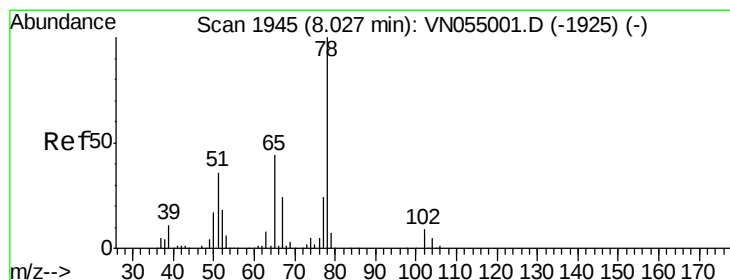
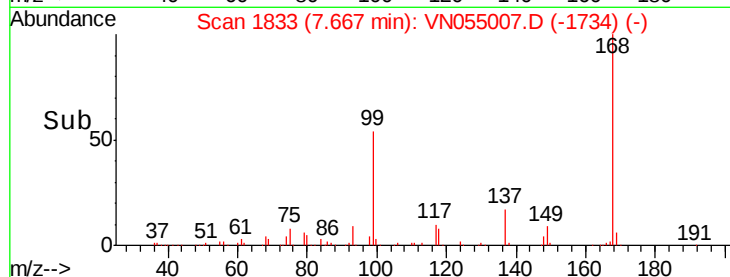
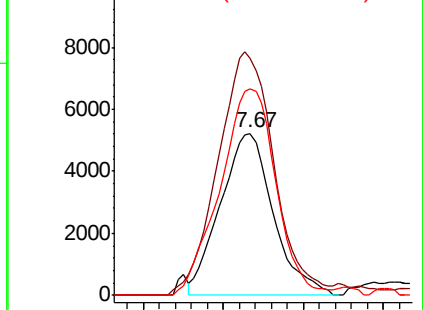
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN055007.D
Acq: 12 Apr 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
PB118834TB

Tot Ion: 56 Resp: 11849
Ion Ratio Lower Upper
56 100
69 139.3 24.5 36.7#
84 123.9 62.9 94.3#

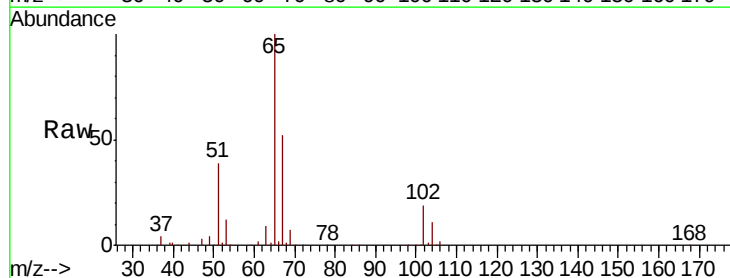


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

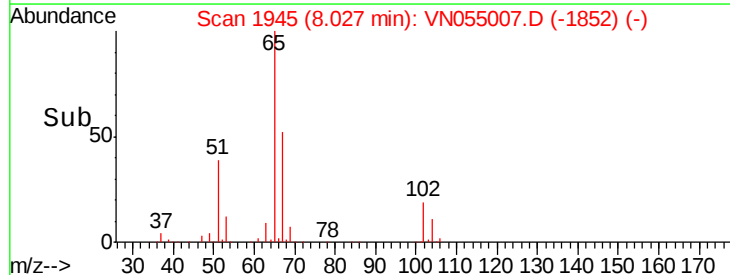
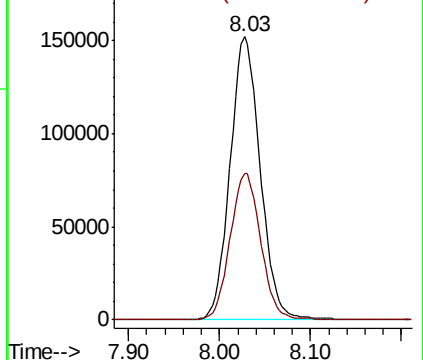


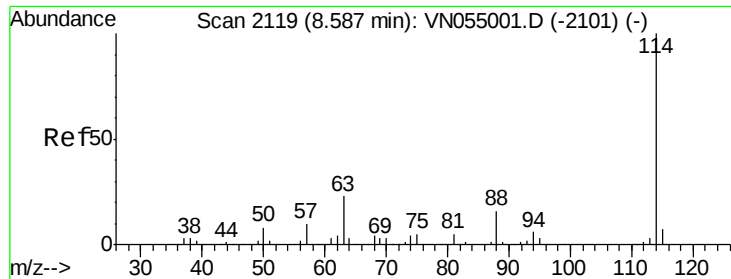
#33
1,2-Dichloroethane-d4
Concen: 50.465 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055007.D
Acq: 12 Apr 2019 18:52

Tgt Ion: 65 Resp: 350356
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

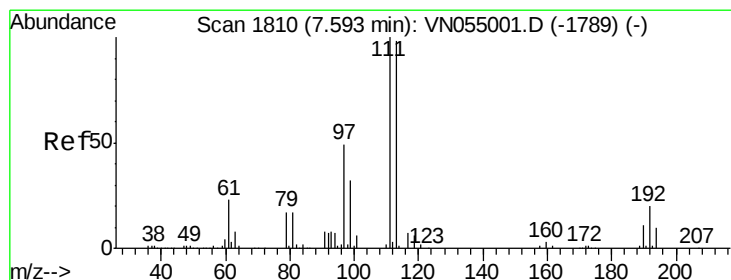
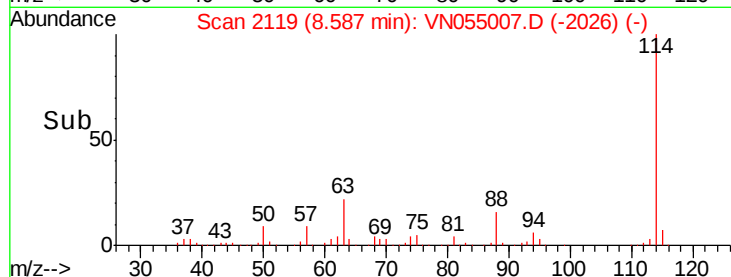
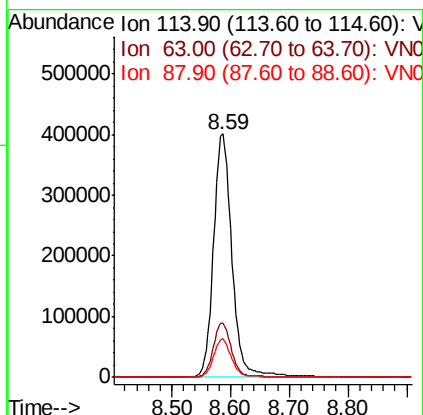
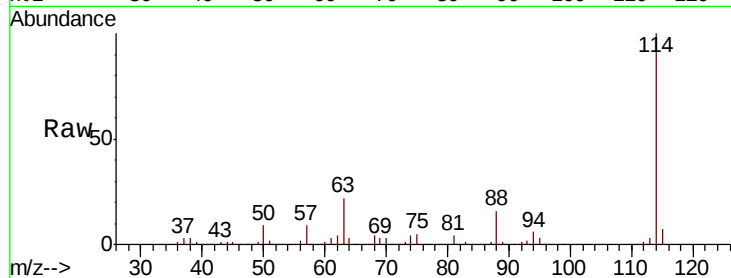




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055007.D
 Acq: 12 Apr 2019 18:52

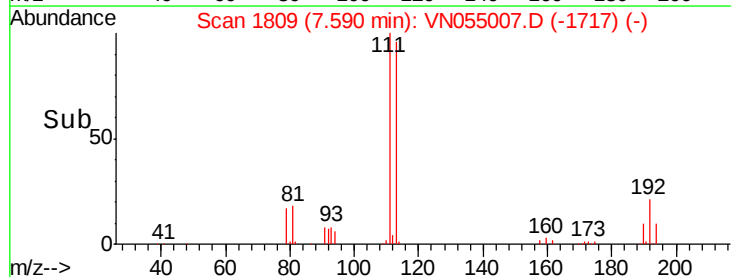
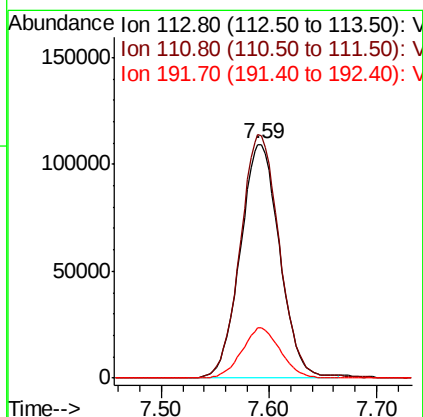
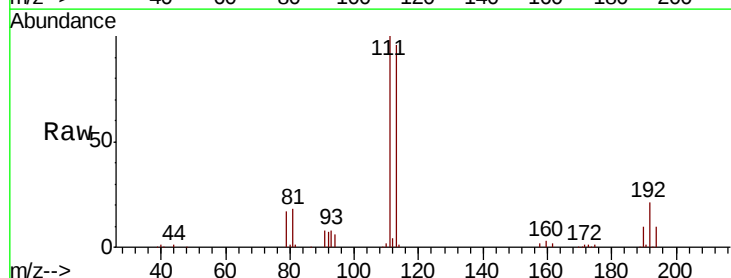
Instrument :
 MSVOA_N
 ClientSampled :
 PB118834TB

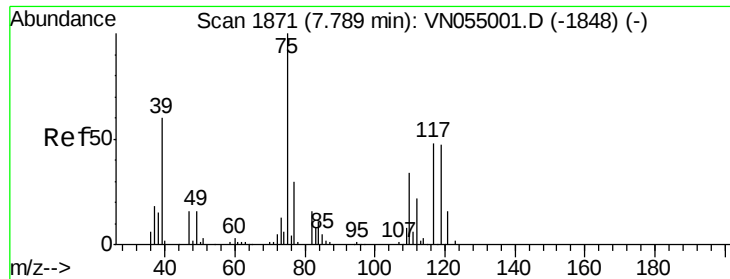
Tot Ion:114 Resp: 876304
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.2
 88 15.8 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 49.677 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055007.D
 Acq: 12 Apr 2019 18:52

Tgt Ion:113 Resp: 277505
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.1 123.1
 192 20.9 16.5 24.7

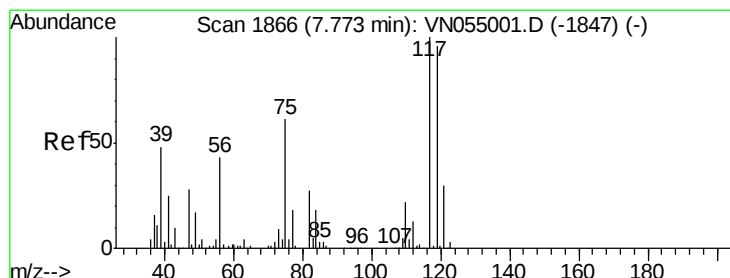
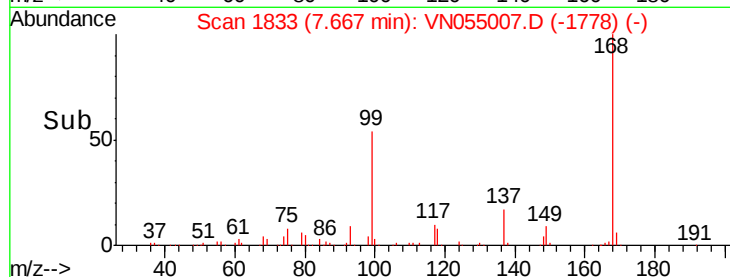
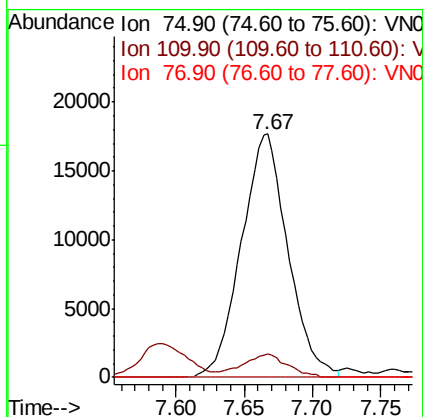
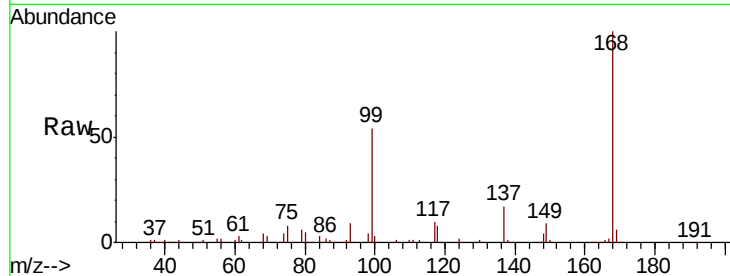




#36
 1,1-Dichloropropene
 Concen: 5.165 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055007.D
 Acq: 12 Apr 2019 18:52

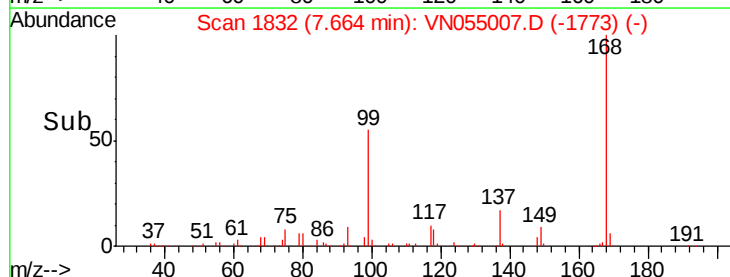
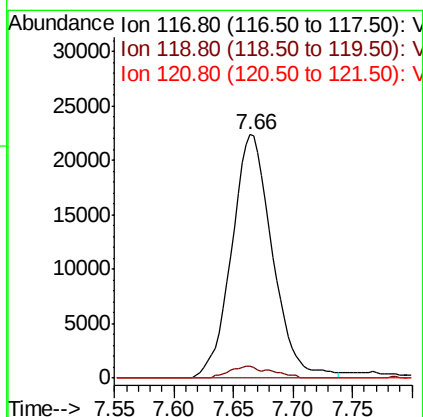
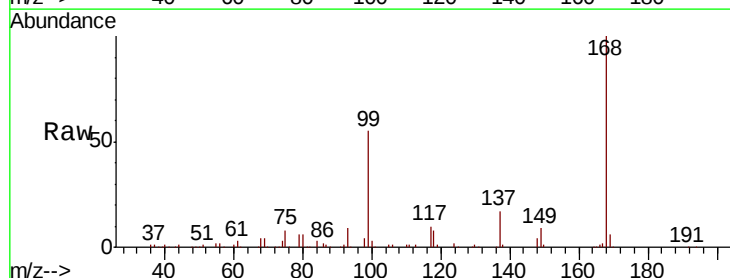
Instrument :
 MSVOA_N
 ClientSampleId :
 PB118834TB

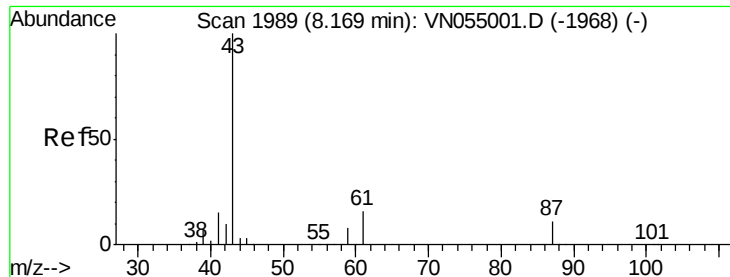
Tot Ion: 75 Resp: 41827
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.5 52.5#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.952 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055007.D
 Acq: 12 Apr 2019 18:52

Tgt Ion: 117 Resp: 53000
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.3 114.5#
 121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 1.674 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

PB118834TB

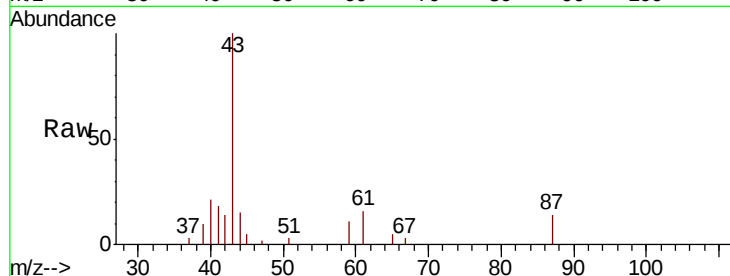
Tot Ion: 43 Resp: 17398

Ion Ratio Lower Upper

43 100

61 19.0 14.3 21.5

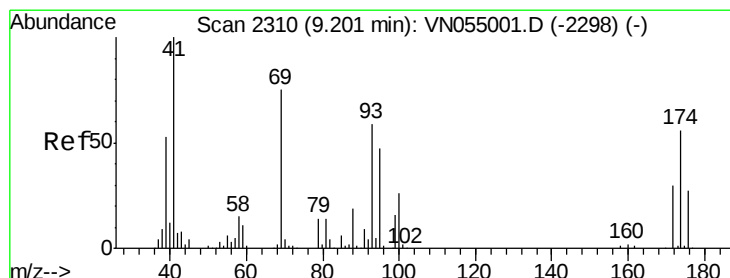
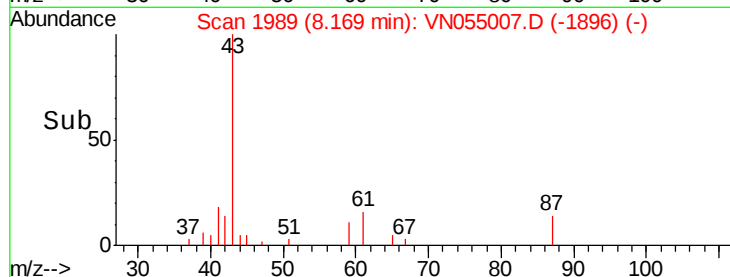
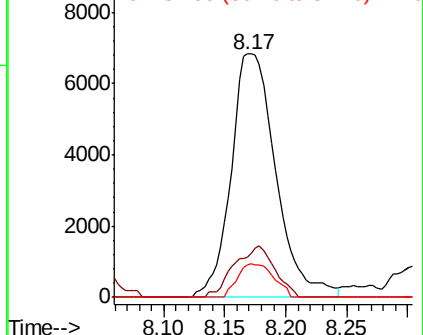
87 11.0 8.6 13.0



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



#48

Methyl methacrylate

Concen: 1.663 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

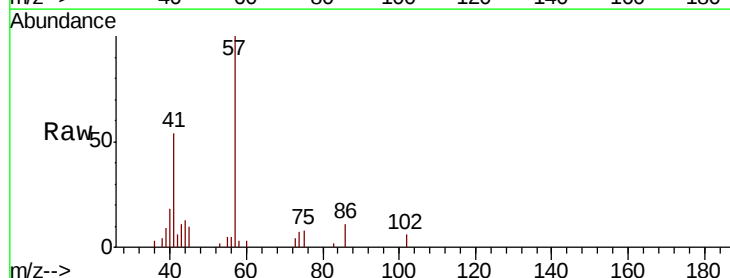
Tgt Ion: 41 Resp: 8905

Ion Ratio Lower Upper

41 100

69 0.0 60.5 90.7#

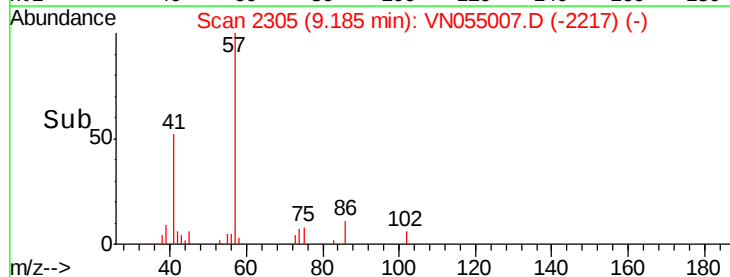
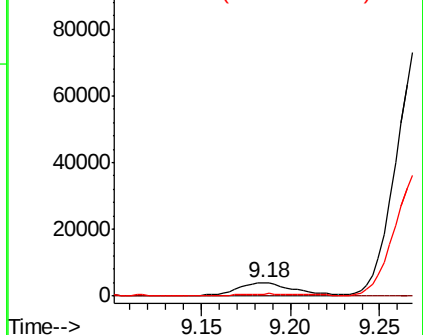
39 0.0 43.9 65.9#

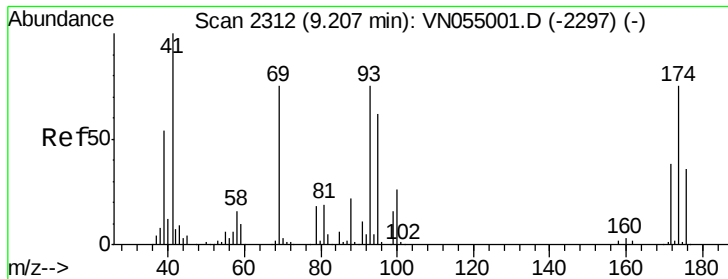


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 2.361 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

PB118834TB

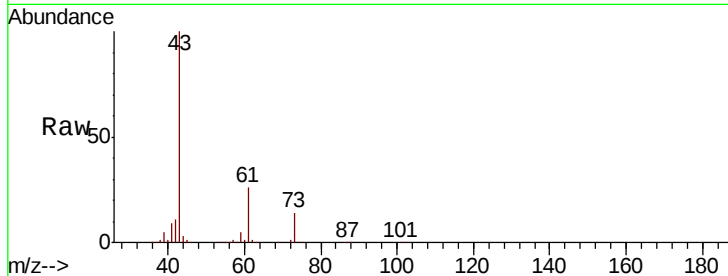
Tot Ion: 88 Resp: 136

Ion Ratio Lower Upper

88 100

43 1100961.0 31.8 47.8#

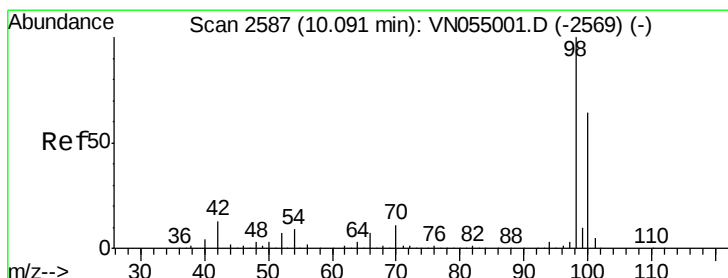
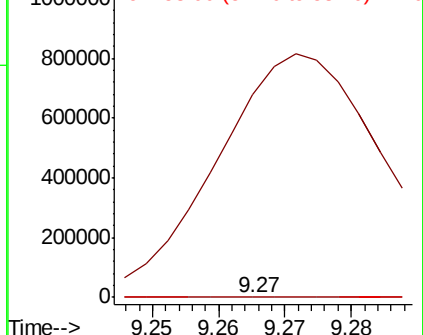
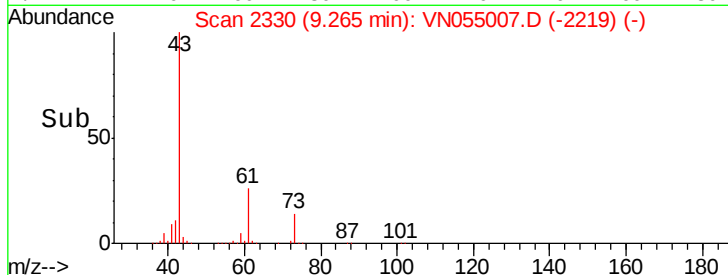
58 5020.6 61.6 92.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.680 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055007.D

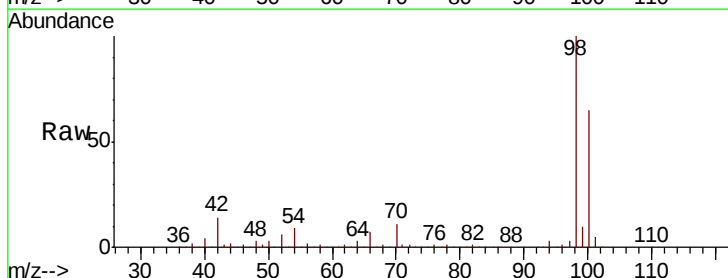
Acq: 12 Apr 2019 18:52

Tgt Ion: 98 Resp: 1039826

Ion Ratio Lower Upper

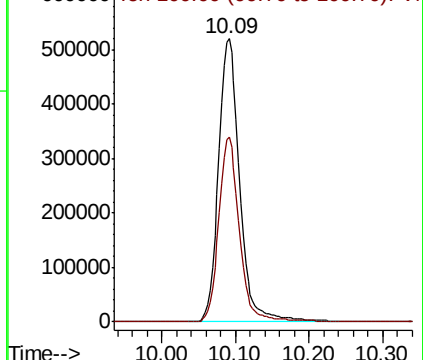
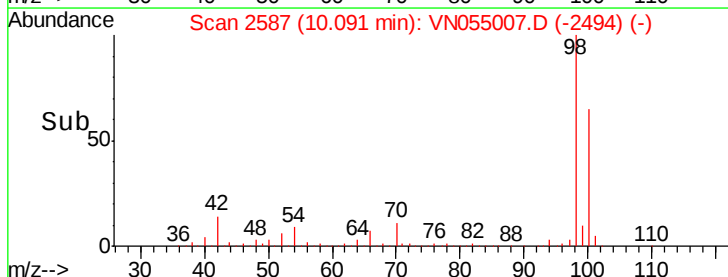
98 100

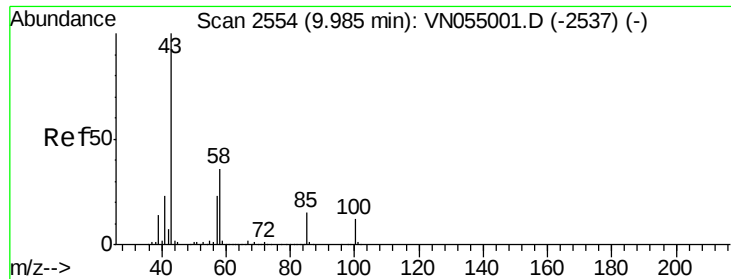
100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.112 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

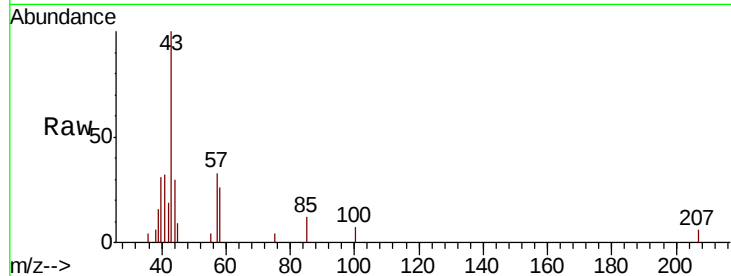
PB118834TB

Tot Ion: 43 Resp: 6768

Ion Ratio Lower Upper

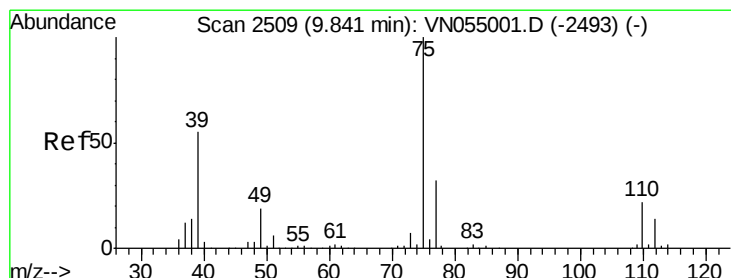
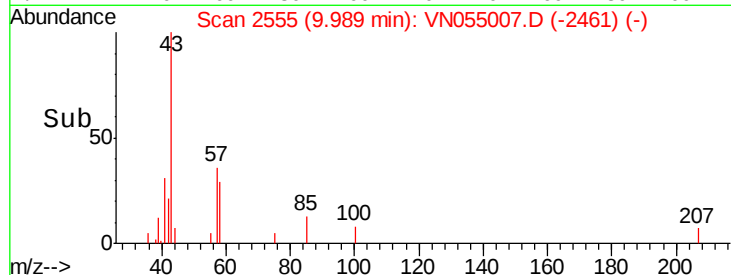
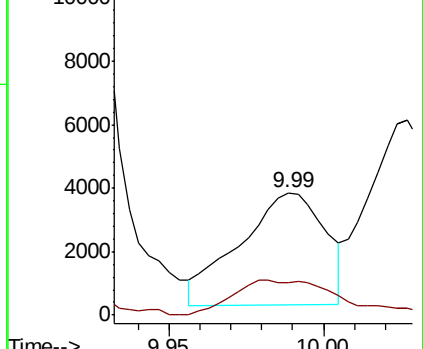
43 100

58 20.7 29.0 43.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.059 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

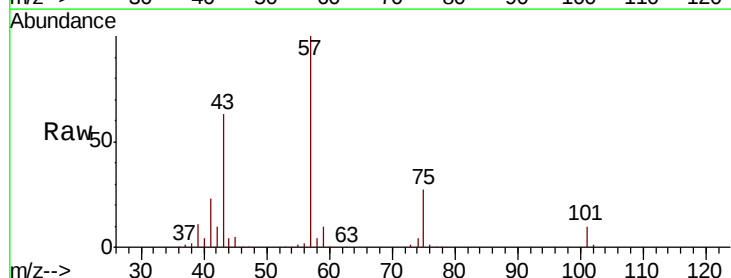
Tgt Ion: 75 Resp: 54413

Ion Ratio Lower Upper

75 100

77 0.7 25.8 38.6#

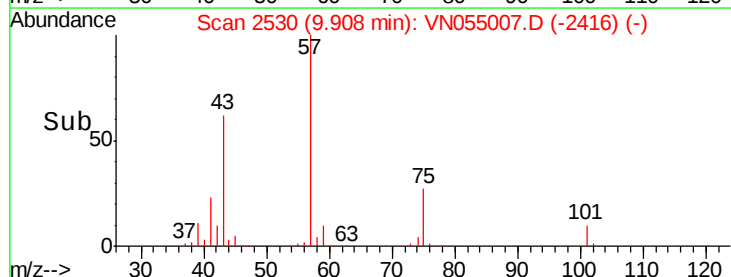
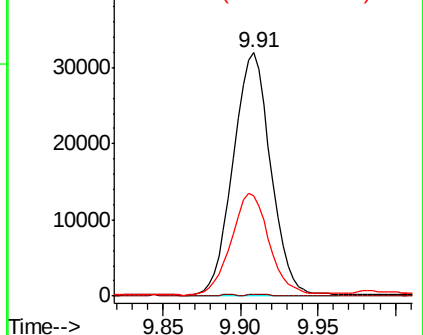
39 40.7 43.8 65.8#

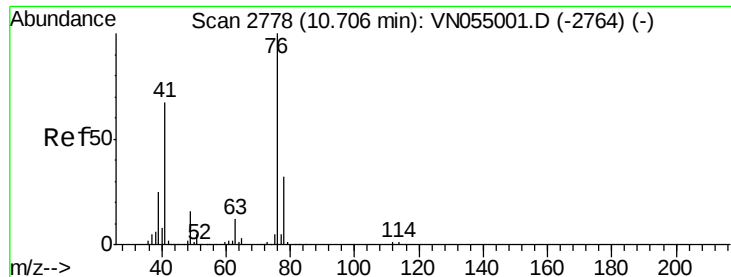


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

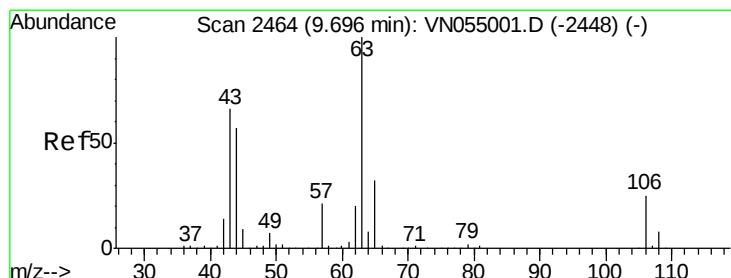
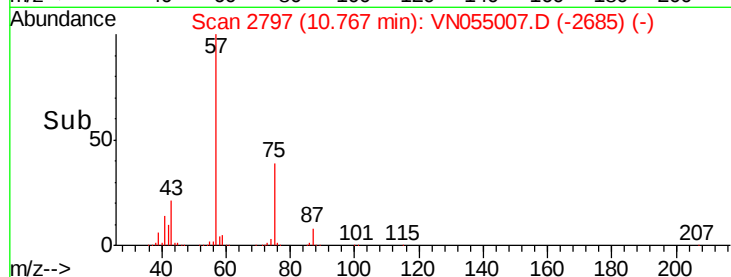
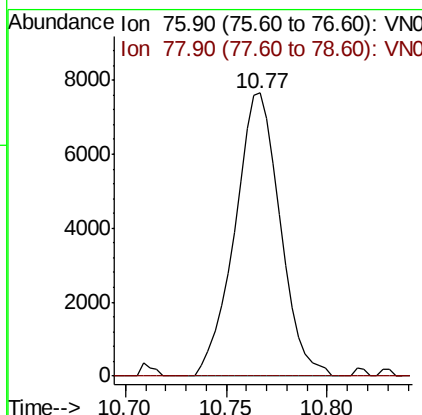
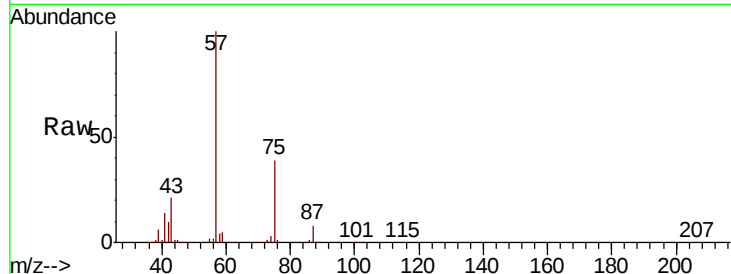




#57
 1,3-Dichloropropane
 Concen: 1.295 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN055007.D
 Acq: 12 Apr 2019 18:52

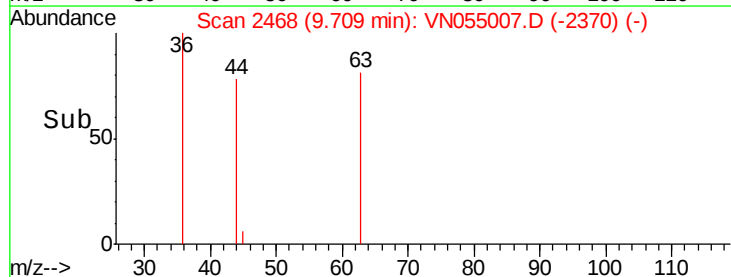
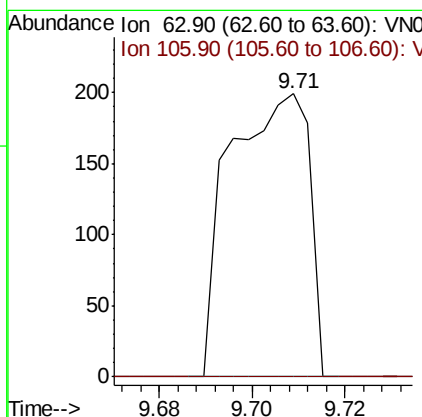
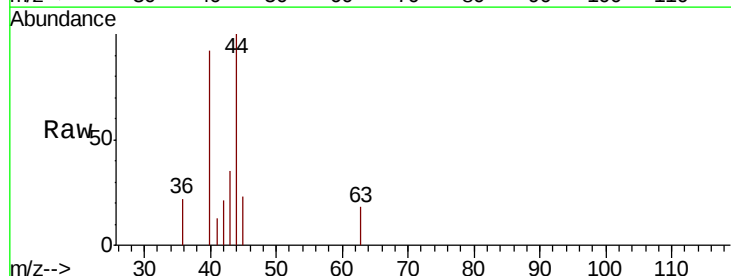
Instrument :
 MSVOA_N
 ClientSampleId :
 PB118834TB

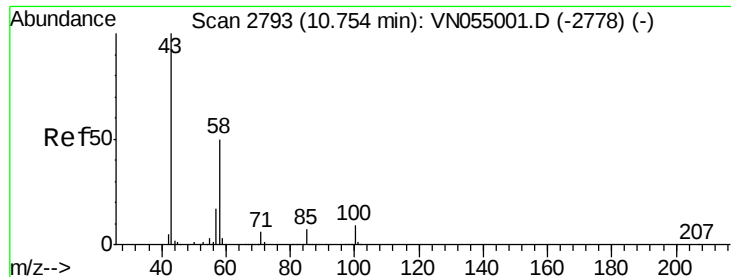
Tot Ion: 76 Resp: 12055
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#58
 2-Chloroethyl Vinyl ether
 Concen: 18.273 ug/l
 RT: 9.71 min Scan# 2468
 Delta R.T. 0.01 min
 Lab File: VN055007.D
 Acq: 12 Apr 2019 18:52

Tgt Ion: 63 Resp: 237
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.0 30.0#

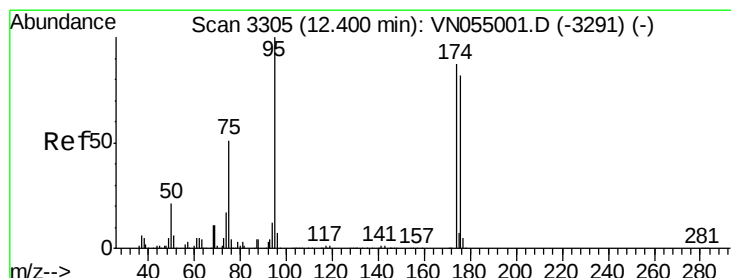
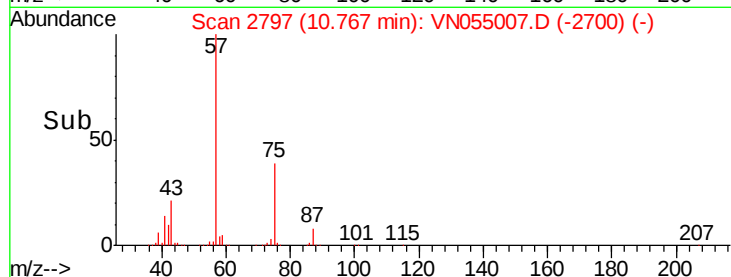
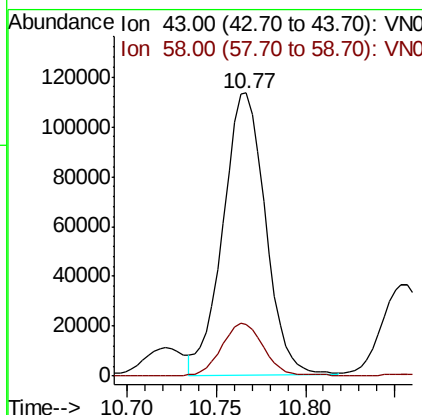
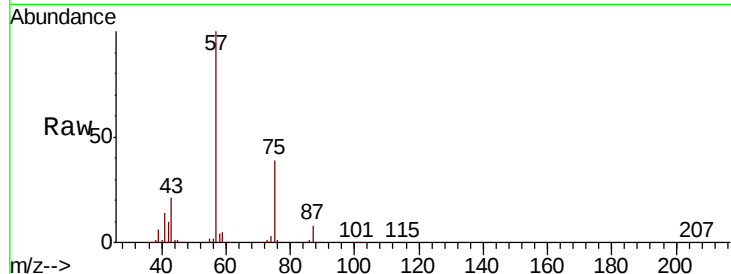




#59
2-Hexanone
Concen: 49.351 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN055007.D
Acq: 12 Apr 2019 18:52

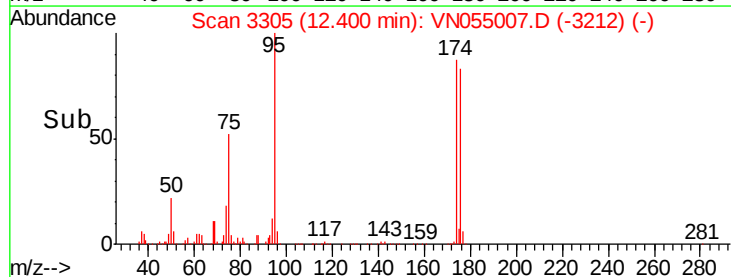
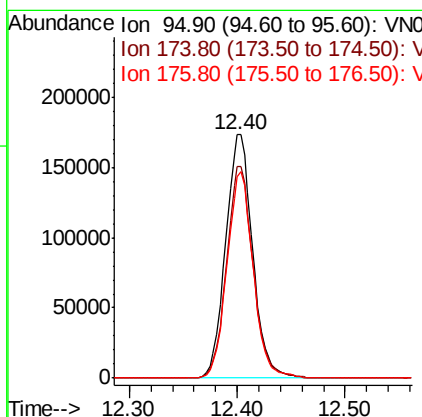
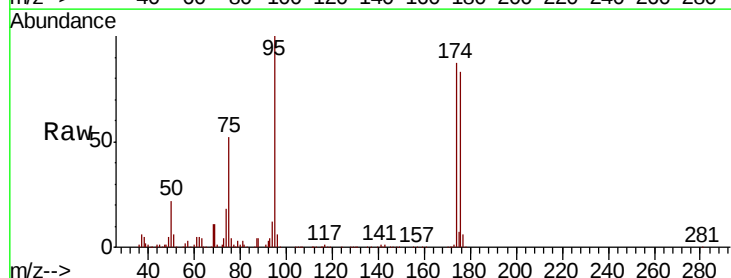
Instrument :
MSVOA_N
ClientSampleId :
PB118834TB

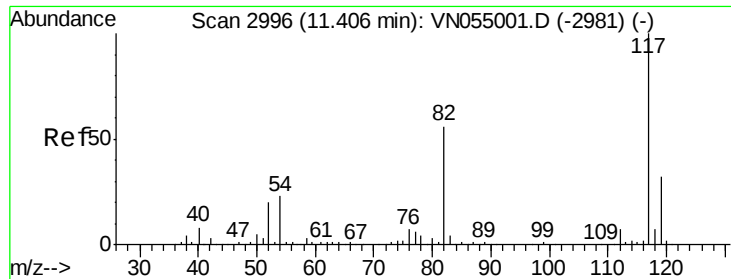
Tot Ion: 43 Resp: 187724
Ion Ratio Lower Upper
43 100
58 18.8 25.1 75.2#



#62
4-Bromofluorobenzene
Concen: 43.680 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055007.D
Acq: 12 Apr 2019 18:52

Tgt Ion: 95 Resp: 301882
Ion Ratio Lower Upper
95 100
174 85.9 0.0 174.4
176 82.5 0.0 166.8

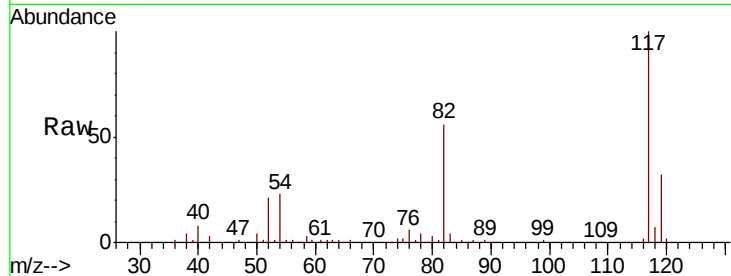




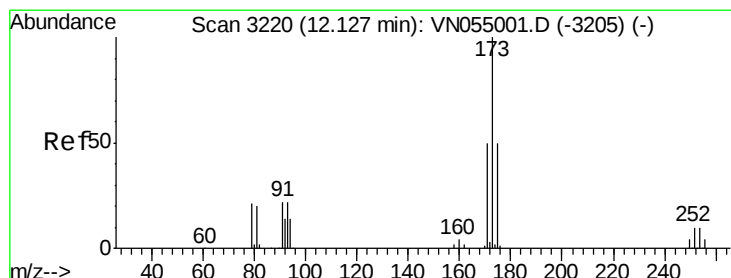
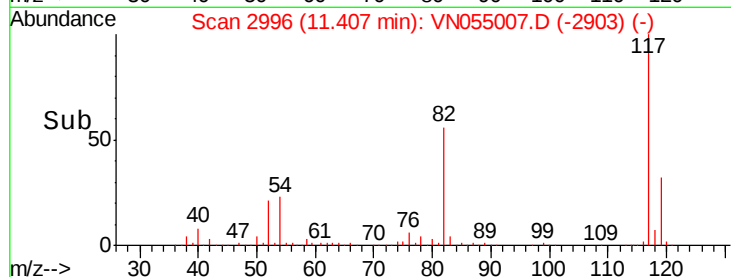
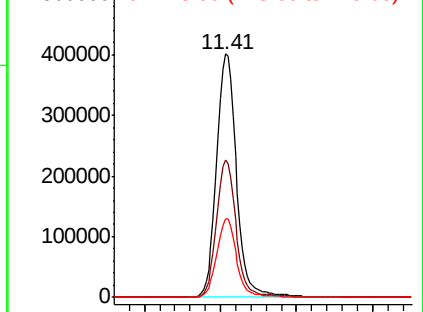
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055007.D
Acq: 12 Apr 2019 18:52

Instrument :
MSVOA_N
ClientSampled :
PB118834TB

Tot Ion:117 Resp: 729867
Ion Ratio Lower Upper
117 100
82 56.4 44.6 66.8
119 32.1 25.5 38.3

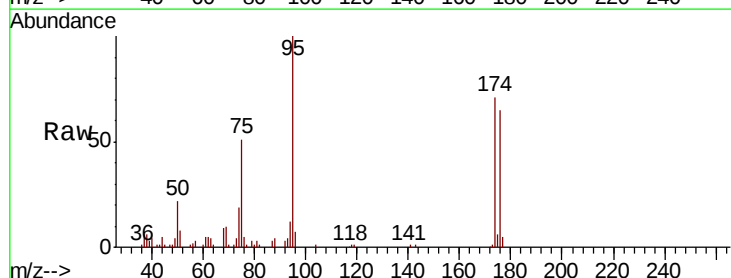


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

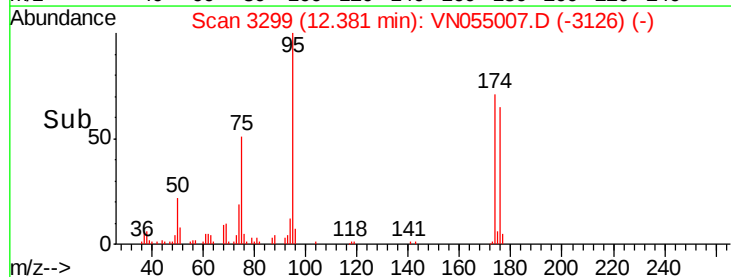
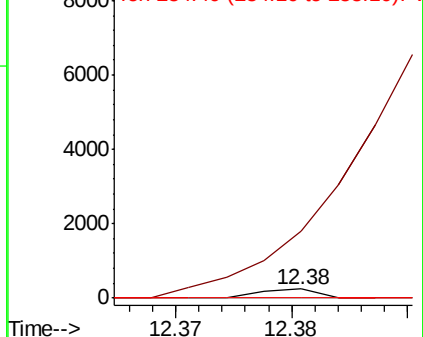


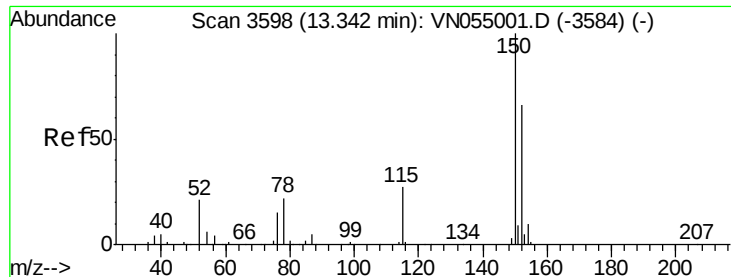
#71
Bromoform
Concen: 2.607 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.25 min
Lab File: VN055007.D
Acq: 12 Apr 2019 18:52

Tgt Ion:173 Resp: 81
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

PB118834TB

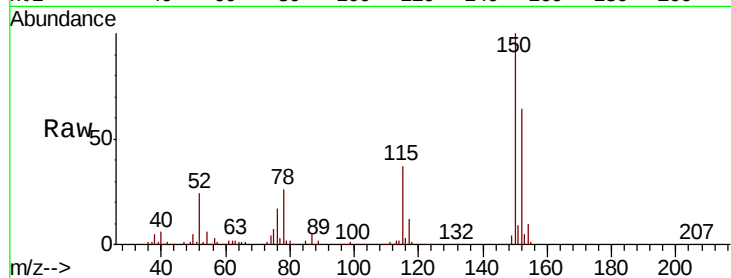
Tot Ion:152 Resp: 236403

Ion Ratio Lower Upper

152 100

115 57.7 28.5 85.6

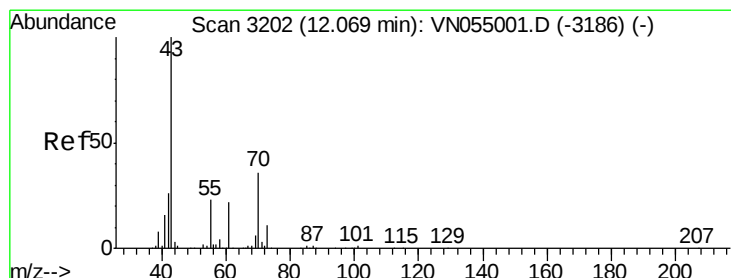
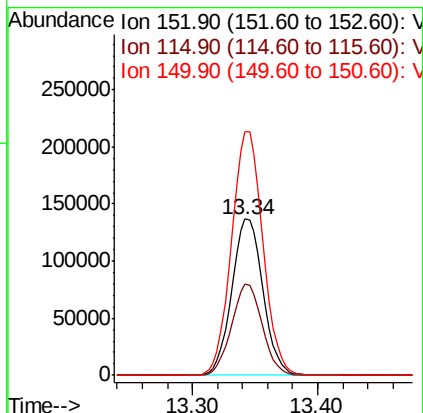
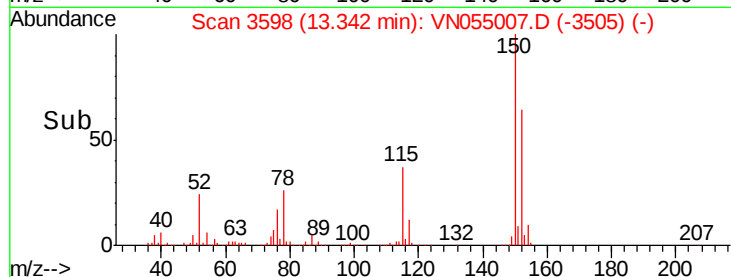
150 156.6 0.0 347.2



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-ethyl acetate

Concen: 0.306 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

Tgt Ion: 43 Resp: 1851

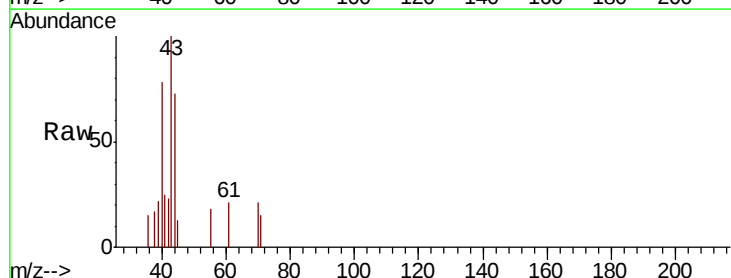
Ion Ratio Lower Upper

43 100

70 28.2 29.4 44.0#

55 19.2 19.0 28.4

61 17.4 17.7 26.5#

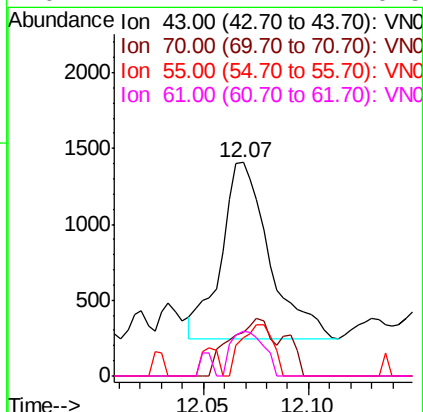
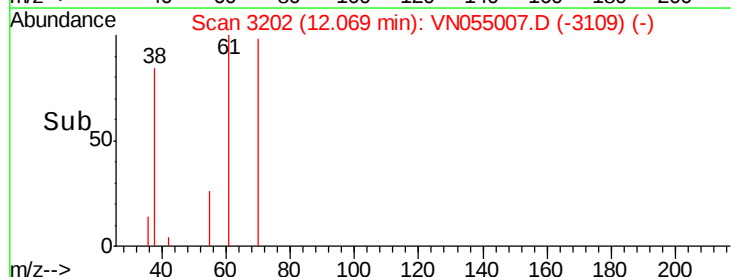


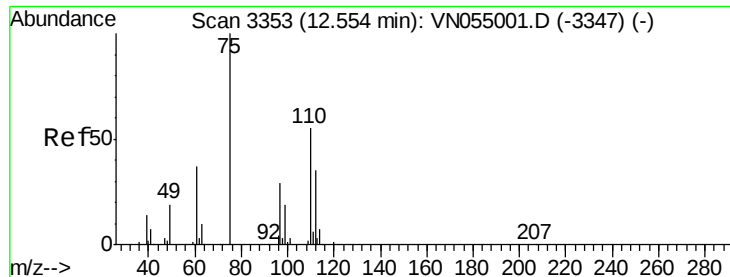
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 35.785 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

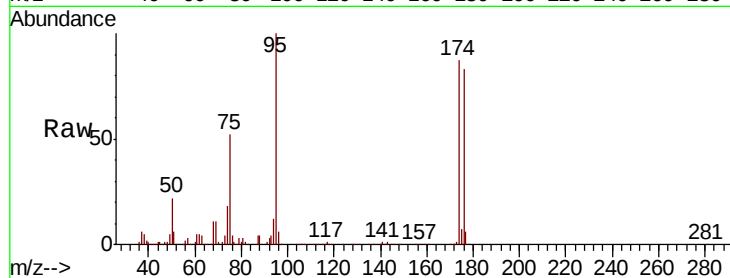
PB118834TB

Tot Ion: 75 Resp: 155638

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

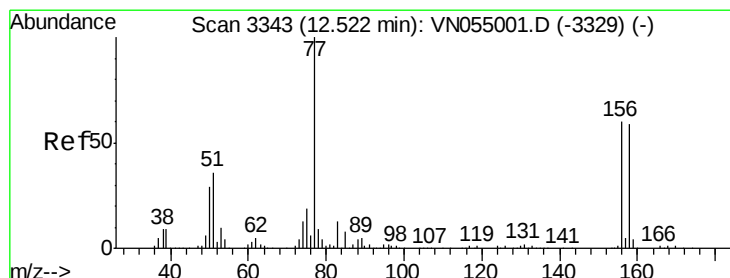
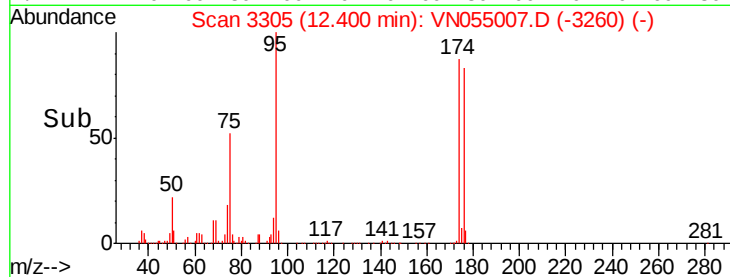
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

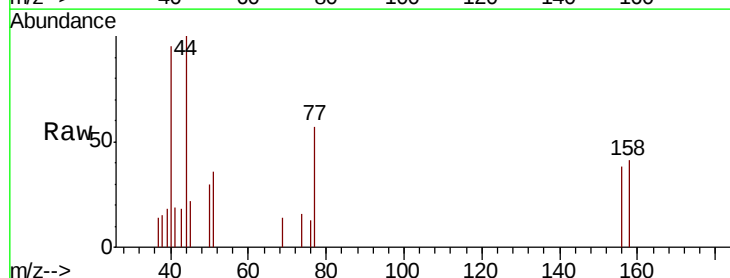
Tgt Ion: 156 Resp: 701

Ion Ratio Lower Upper

156 100

77 176.6 97.2 291.5

158 109.1 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

1000

800

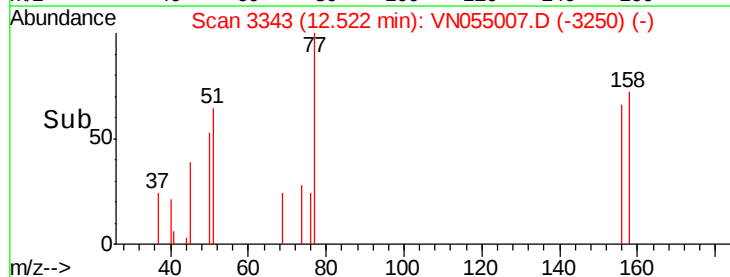
600

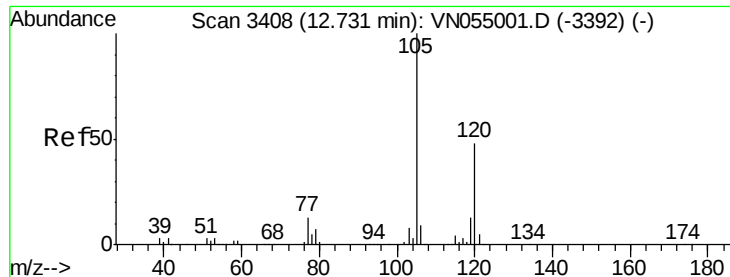
400

200

0

Time--> 12.50 12.52 12.54 12.56





#80

1,3,5-Trimethylbenzene

Concen: 0.867 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

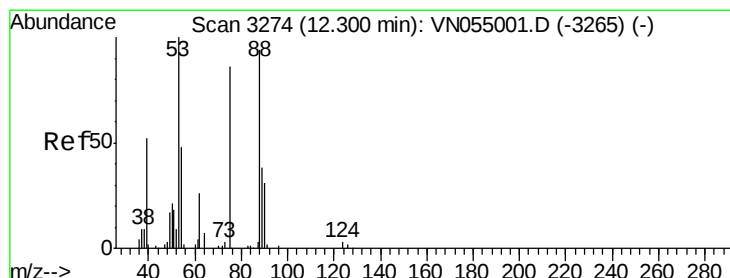
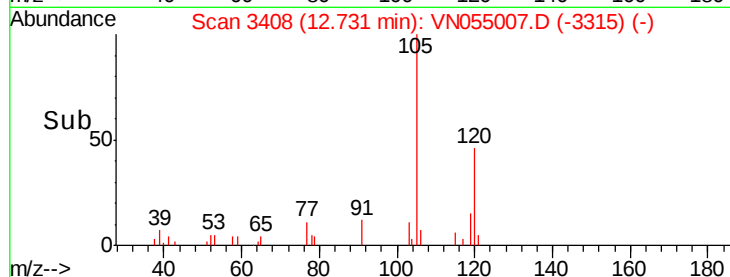
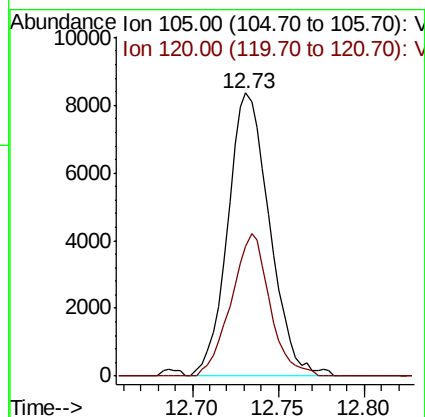
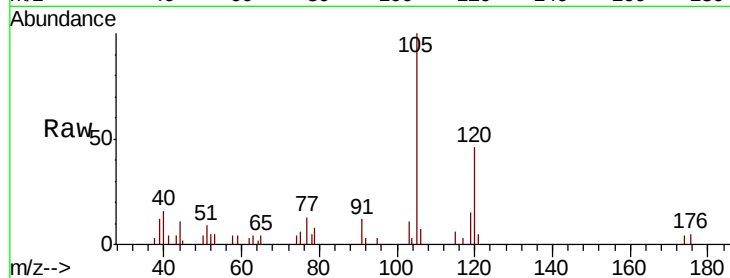
PB118834TB

Tot Ion:105 Resp: 14184

Ion Ratio Lower Upper

105 100

120 46.3 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 147.703 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

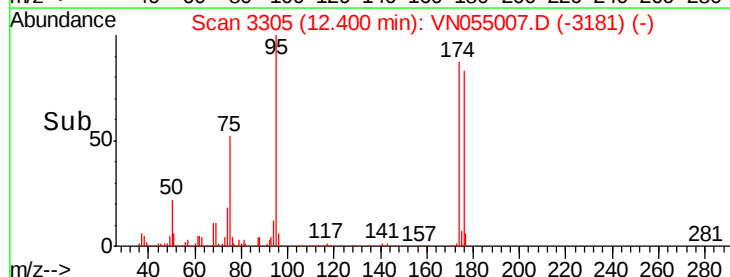
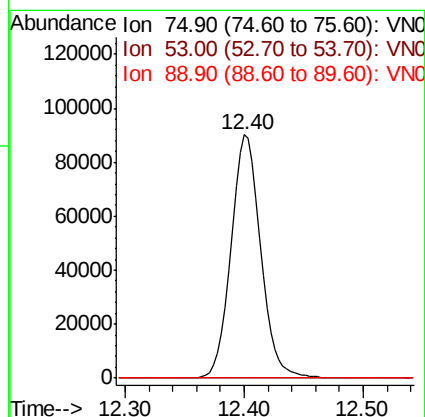
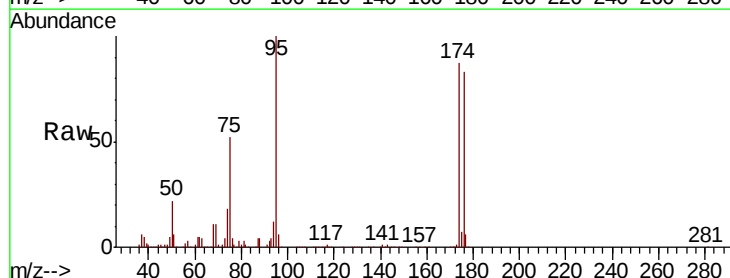
Tgt Ion: 75 Resp: 155638

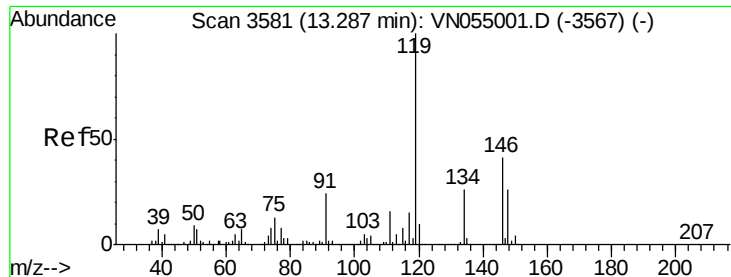
Ion Ratio Lower Upper

75 100

53 0.0 96.3 144.5#

89 0.0 38.6 57.8#

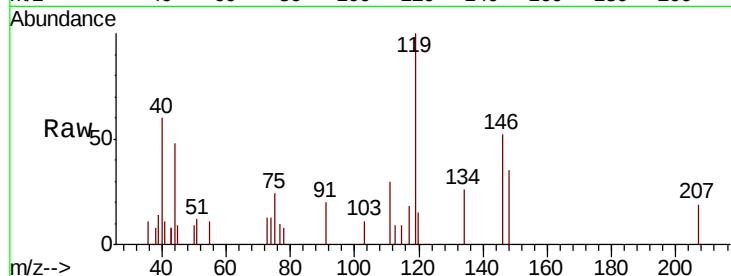




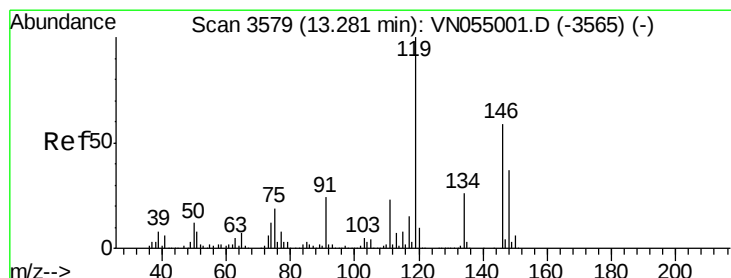
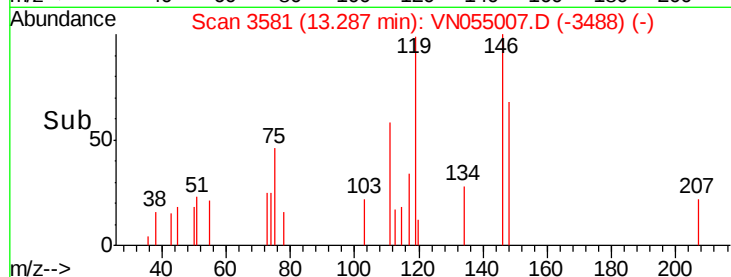
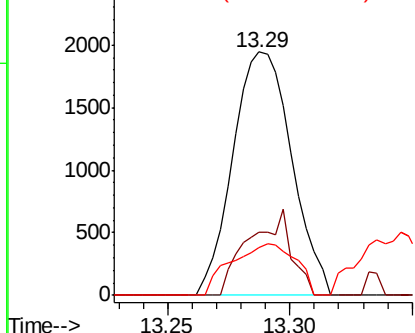
#86
 p-Isopropyltoluene
 Concen: 0.209 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055007.D
 Acq: 12 Apr 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleID :
 PB118834TB

Tot Ion:119 Resp: 3254
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.2 39.5
 91 23.3 11.7 35.1

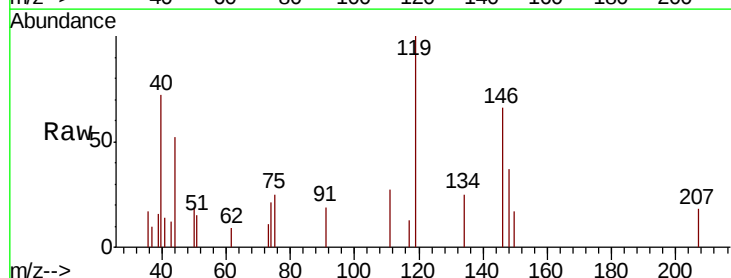


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

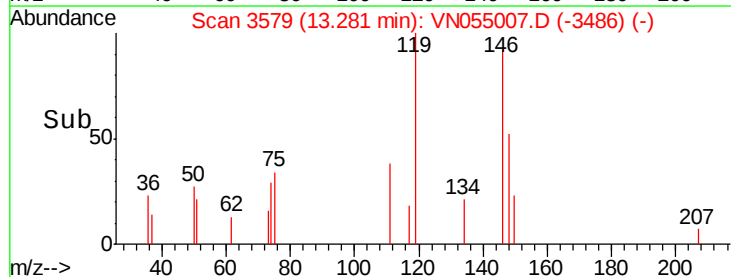
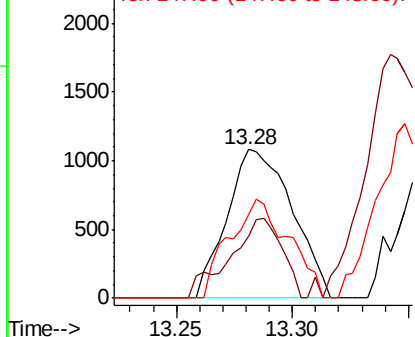


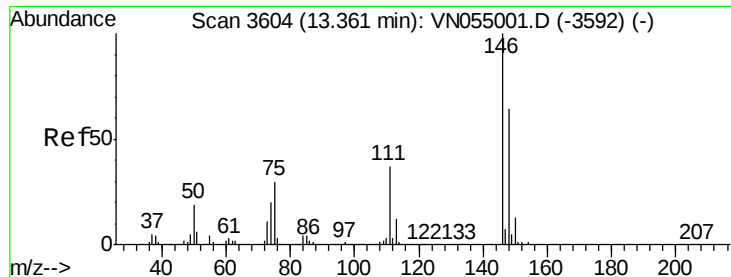
#87
 1,3-Dichlorobenzene
 Concen: 0.263 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055007.D
 Acq: 12 Apr 2019 18:52

Tgt Ion:146 Resp: 2112
 Ion Ratio Lower Upper
 146 100
 111 42.7 19.5 58.5
 148 60.7 31.6 94.7



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: 0.275 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

Instrument :

MSVOA_N

ClientSampled :

PB118834TB

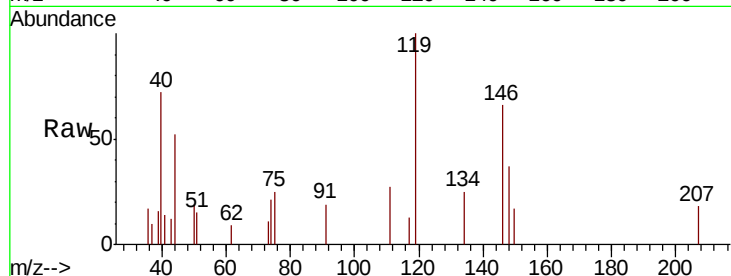
Tot Ion:146 Resp: 2112

Ion Ratio Lower Upper

146 100

111 42.7 18.8 56.4

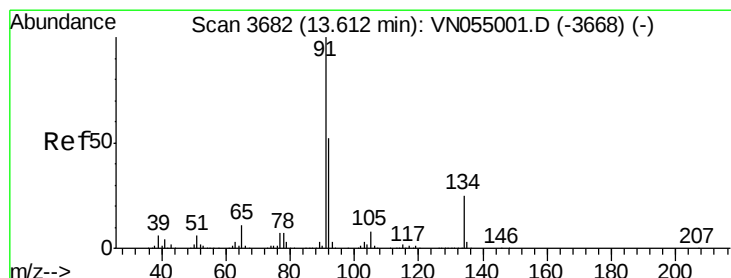
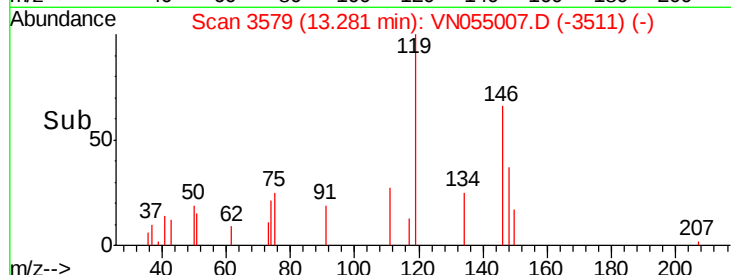
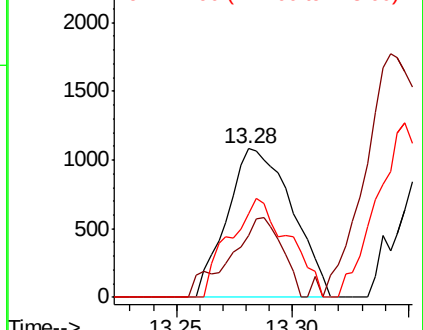
148 60.7 32.4 97.2



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



#89

n-Butylbenzene

Concen: 0.368 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

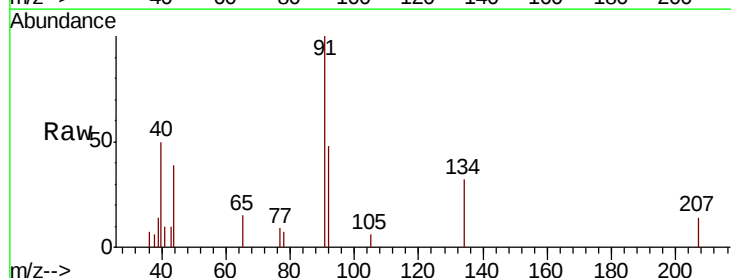
Tgt Ion: 91 Resp: 4501

Ion Ratio Lower Upper

91 100

92 48.4 25.9 77.7

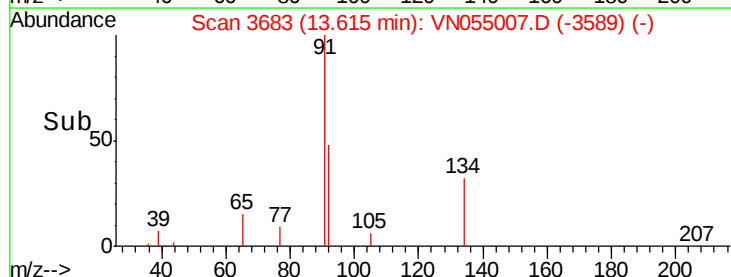
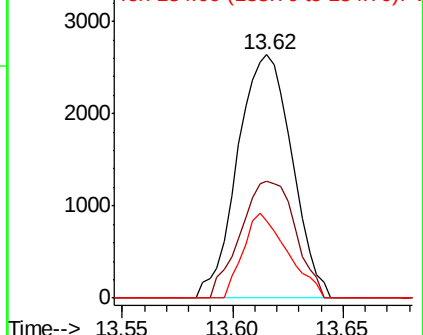
134 28.4 12.8 38.3

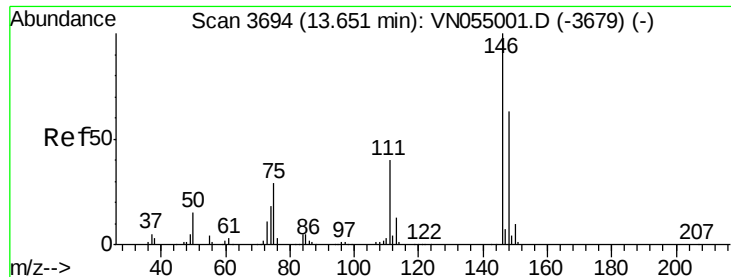


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.299 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

PB118834TB

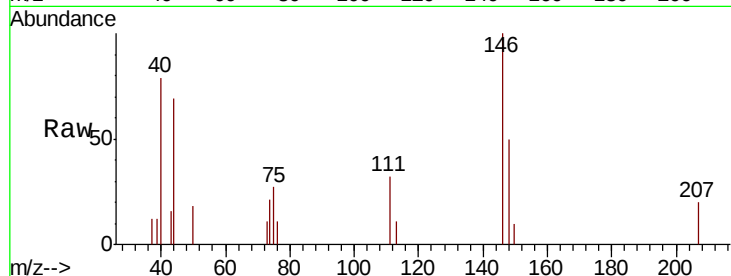
Tot Ion:146 Resp: 2329

Ion Ratio Lower Upper

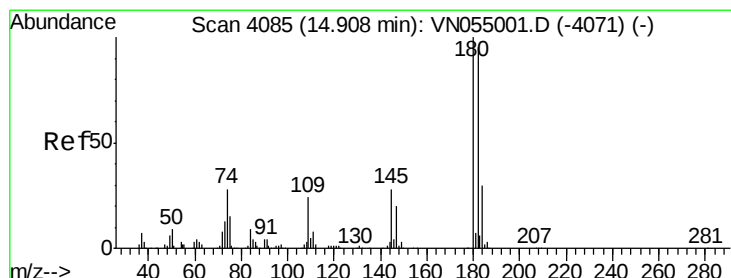
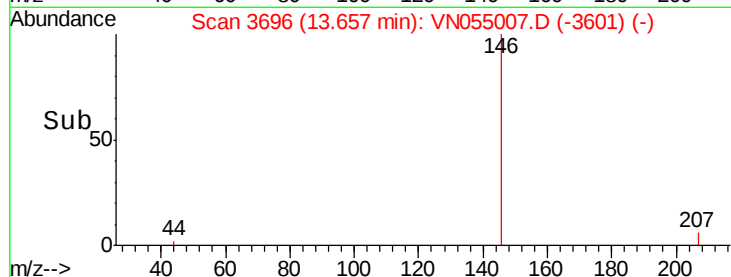
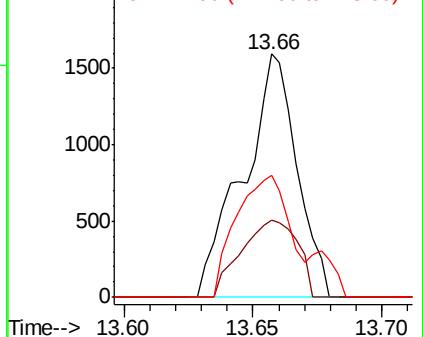
146 100

111 33.1 20.3 60.9

148 49.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 4.305 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

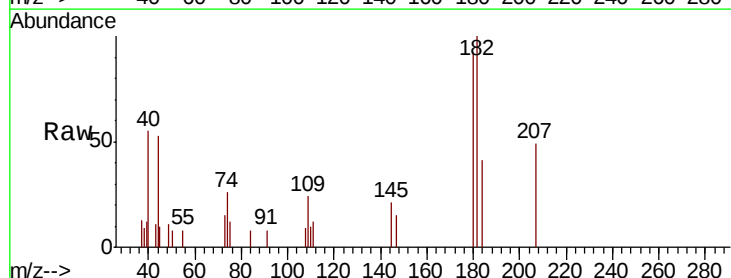
Tgt Ion:180 Resp: 3225

Ion Ratio Lower Upper

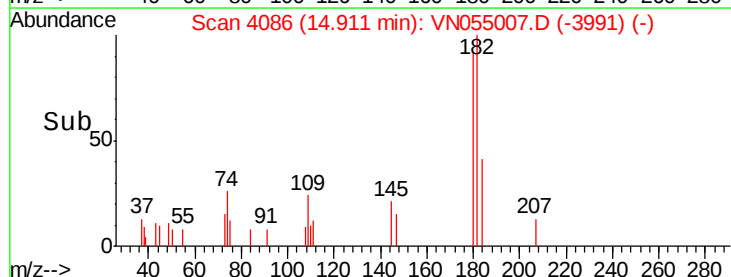
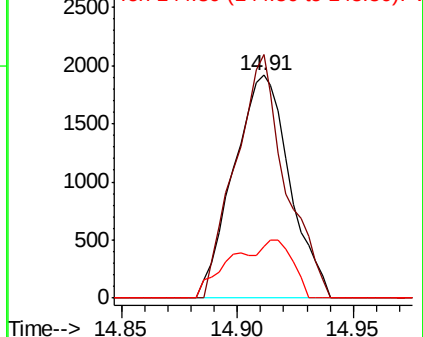
180 100

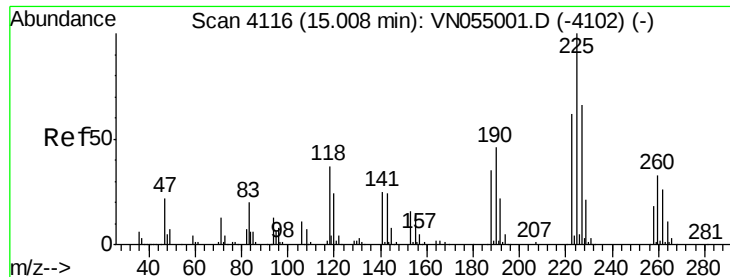
182 97.3 47.5 142.6

145 28.3 14.2 42.8



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# 4116

Delta R.T. 0.00 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

PB118834TB

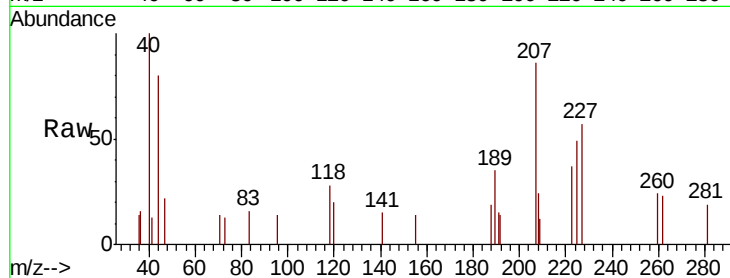
Tot Ion:225 Resp: 988

Ion Ratio Lower Upper

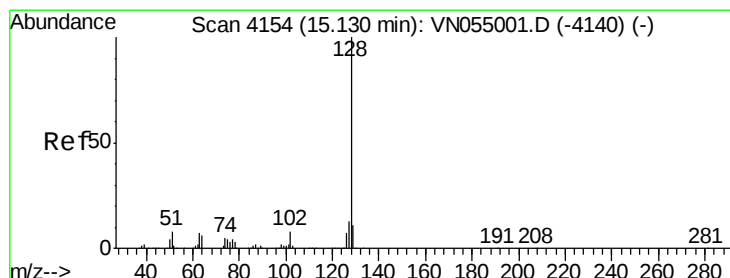
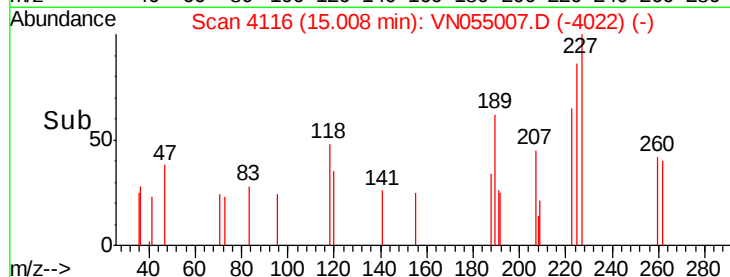
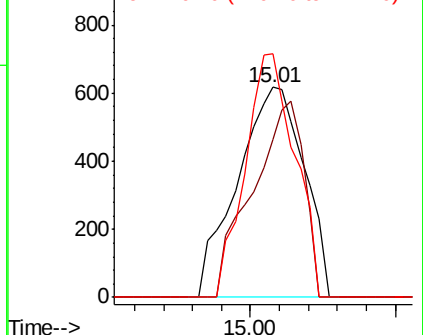
225 100

223 71.8 31.4 94.0

227 85.8 32.6 97.7



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: 5.629 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055007.D

Acq: 12 Apr 2019 18:52

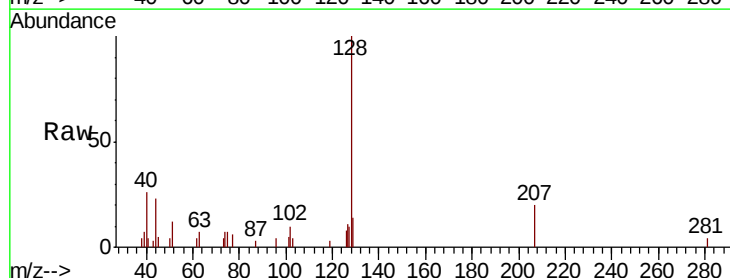
Tgt Ion:128 Resp: 9502

Ion Ratio Lower Upper

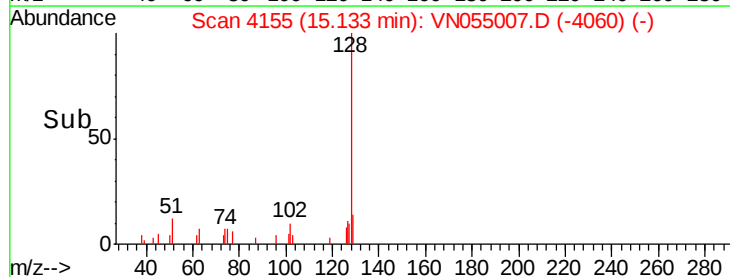
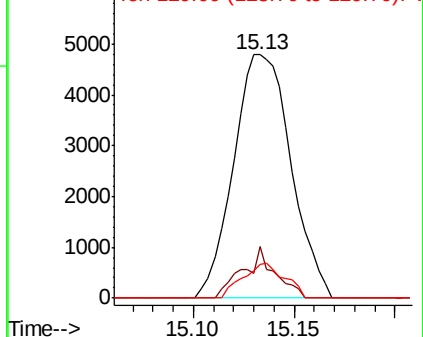
128 100

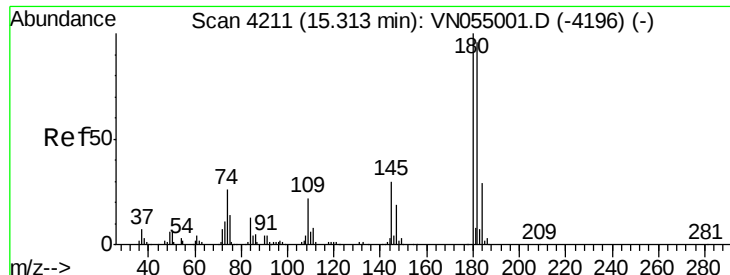
127 11.9 10.1 15.1

129 10.6 8.8 13.2



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

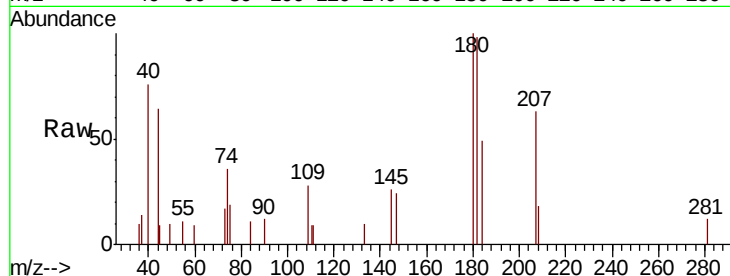




#96
 1,2,3-Trichlorobenzene
 Concen: 0.992 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055007.D
 Acq: 12 Apr 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PB118834TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.0
145	30.8	15.3	45.9



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

