

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054359.D
 Acq On : 17 Mar 2019 2:20
 Operator : JC/SP
 Sample : PB117942TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117942TB

Quant Time: Mar 18 04:59:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1827843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2631463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2225428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	830840	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	907186	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
35) Dibromofluoromethane	7.59	113	806920	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	10.09	98	3047903	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.40	95	918578	41.88	ug/l	0.00
Spiked Amount			Recovery	=	83.76%	

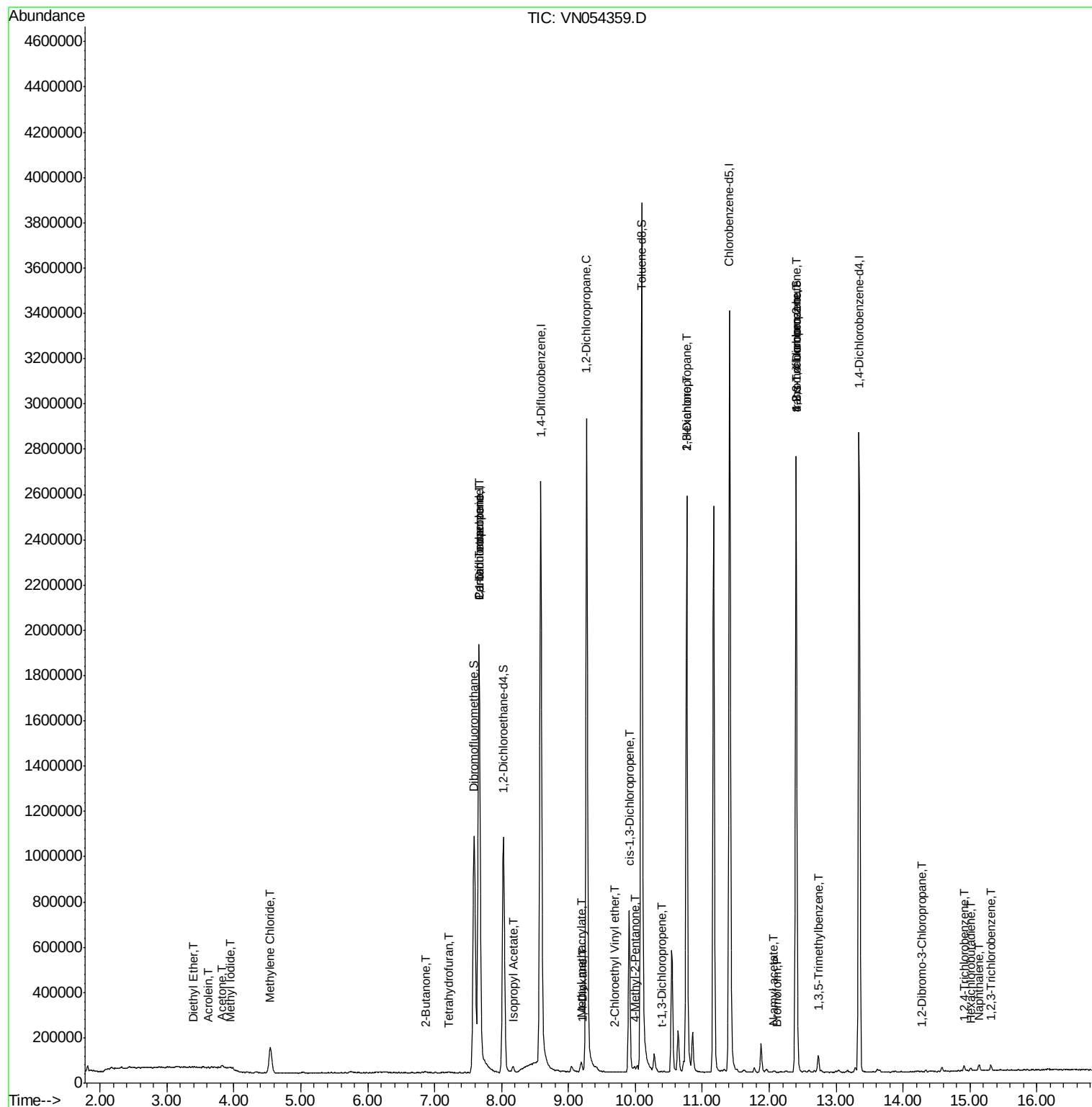
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	2406	0.206	ug/l #	33
10) Methyl Iodide	3.94	142	2630	1.591	ug/l #	48
13) Acrolein	3.61	56	839	0.665	ug/l #	37
16) Acetone	3.82	43	19039	3.425	ug/l #	80
20) Methylene Chloride	4.54	84	87264	4.782	ug/l	98
25) 2-Butanone	6.87	43	3101	0.475	ug/l #	74
29) Tetrahydrofuran	7.22	42	1502	0.358	ug/l #	75
31) Cyclohexane	7.66	56	28506	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	105120	4.338	ug/l #	49
38) Carbon Tetrachloride	7.67	117	145868	5.740	ug/l #	16
43) Isopropyl Acetate	8.17	43	29450	1.205	ug/l	98
45) 1,2-Dichloropropane	9.27	63	4596	0.267	ug/l #	43
48) Methyl methacrylate	9.19	41	13951	1.125	ug/l #	11
49) 1,4-Dioxane	9.22	88	61	0.348	ug/l #	27
51) 4-Methyl-2-Pentanone	9.99	43	15044	1.163	ug/l	89
53) t-1,3-Dichloropropene	10.39	75	808	2.015	ug/l #	79
54) cis-1,3-Dichloropropene	9.91	75	136484	5.022	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	26885	1.024	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.71	63	526	16.887	ug/l #	44
59) 2-Hexanone	10.77	43	379192	44.059	ug/l #	51
71) Bromoform	12.12	173	252	2.368	ug/l #	28
74) N-amyl acetate	12.07	43	2960	0.201	ug/l #	88
76) 1,2,3-Trichloropropane	12.40	75	442863	36.247	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	40971	0.741	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	442863	123.909	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	503	0.230	ug/l #	47
93) 1,2,4-Trichlorobenzene	14.91	180	7745	2.937	ug/l	97
94) Hexachlorobutadiene	15.00	225	2689	0.244	ug/l	93
95) Naphthalene	15.13	128	25376	4.118	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	9091	0.591	ug/l	87

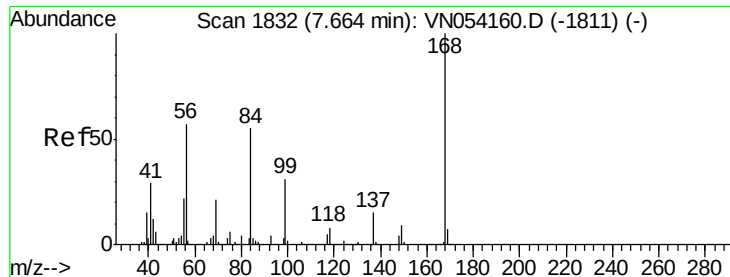
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054359.D

Acq: 17 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampleId :

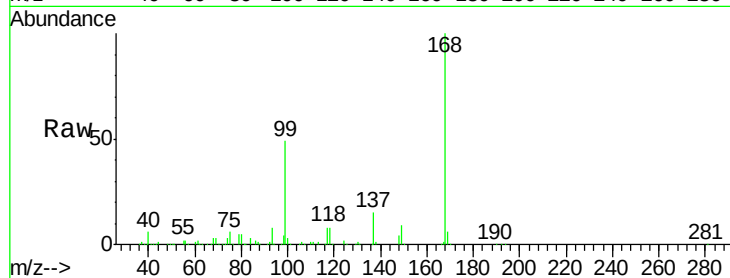
PB117942TB

Tot Ion:168 Resp: 1827843

Ion Ratio Lower Upper

168 100

99 48.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

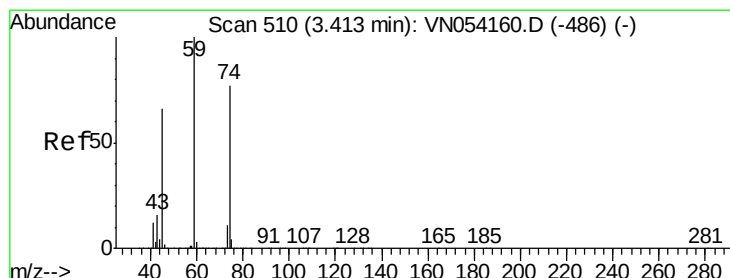
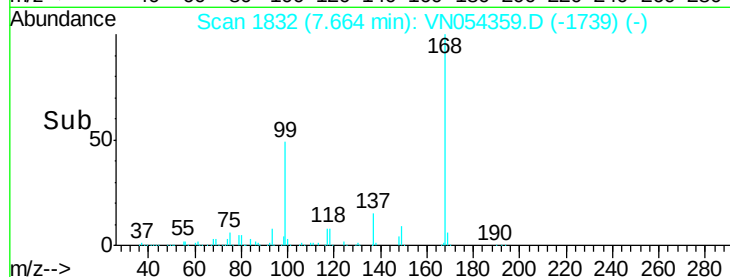
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#8

Diethyl Ether

Concen: 0.206 ug/l

RT: 3.41 min Scan# 508

Delta R.T. -0.01 min

Lab File: VN054359.D

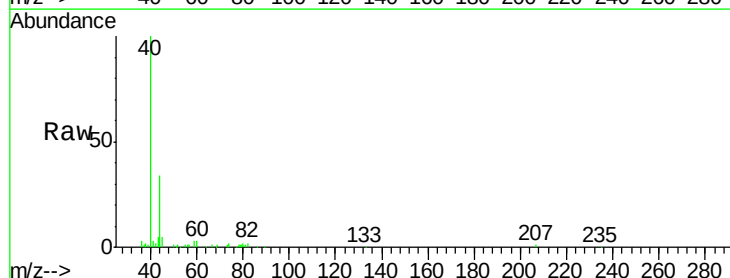
Acq: 17 Mar 2019 2:20

Tgt Ion: 74 Resp: 2406

Ion Ratio Lower Upper

74 100

45 24.9 43.1 129.4#



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

2500

2000

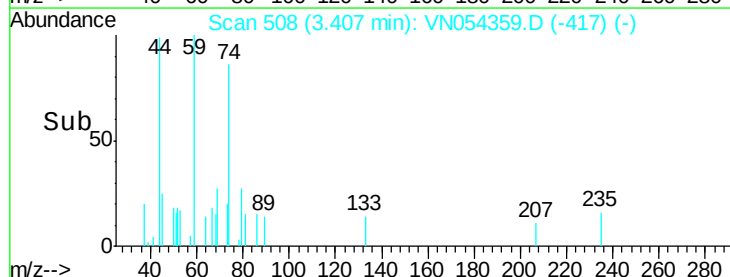
1500

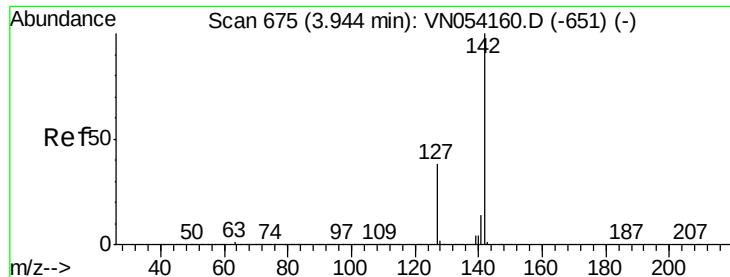
1000

500

0

Time--> 3.35 3.40 3.45

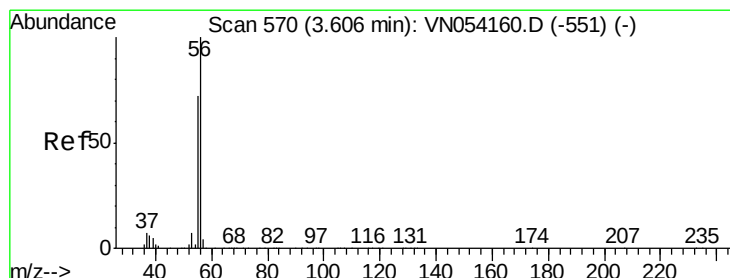
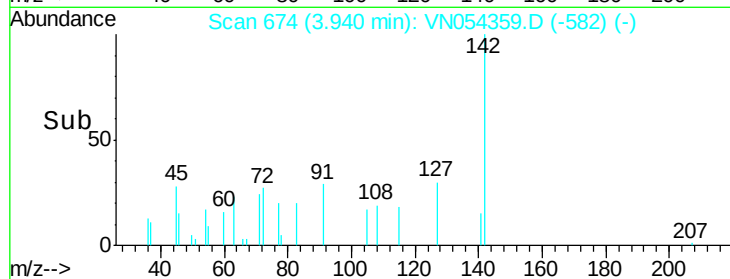
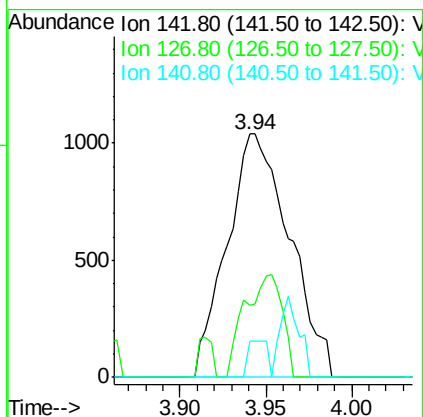
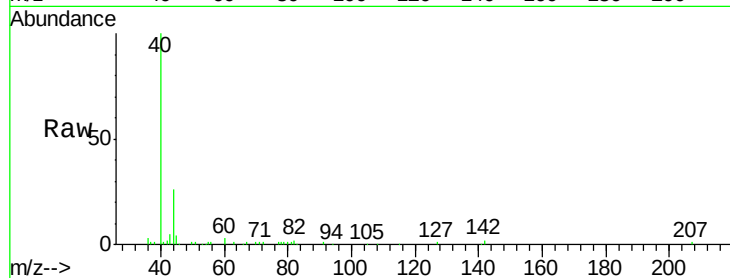




#10
Methvl Iodide
Concen: 1.591 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN054359.D
Acq: 17 Mar 2019 2:20

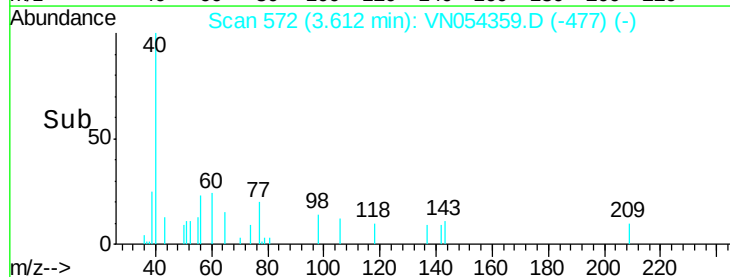
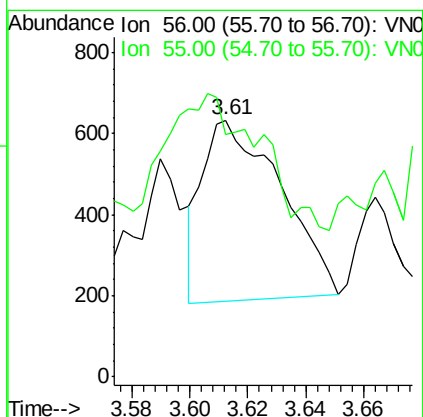
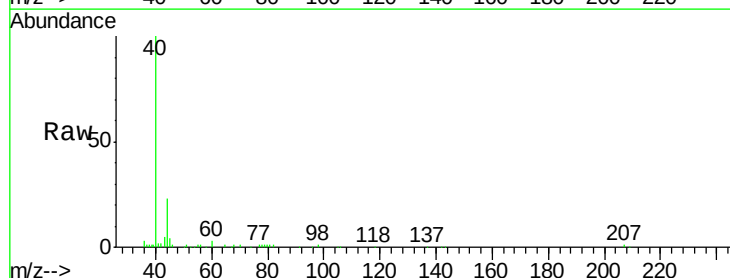
Instrument :
MSVOA_N
ClientSampled :
PB117942TB

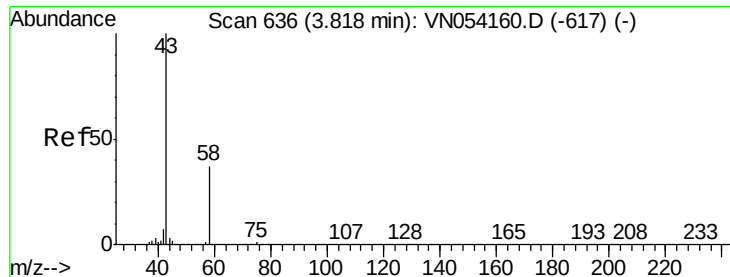
Tot Ion:142 Resp: 2630
Ion Ratio Lower Upper
142 100
127 0.0 30.3 45.5#
141 4.6 11.2 16.8#



#13
Acrolein
Concen: 0.665 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.01 min
Lab File: VN054359.D
Acq: 17 Mar 2019 2:20

Tgt Ion: 56 Resp: 839
Ion Ratio Lower Upper
56 100
55 123.4 56.7 85.1#





#16

Acetone

Concen: 3.425 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampled :

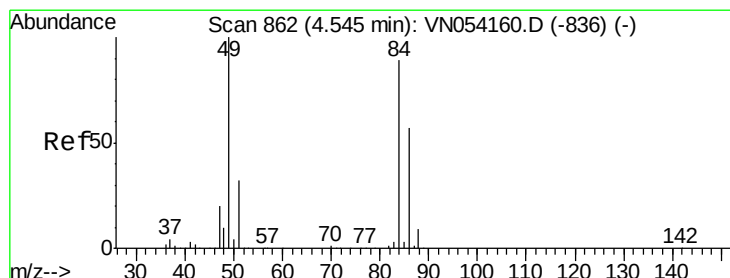
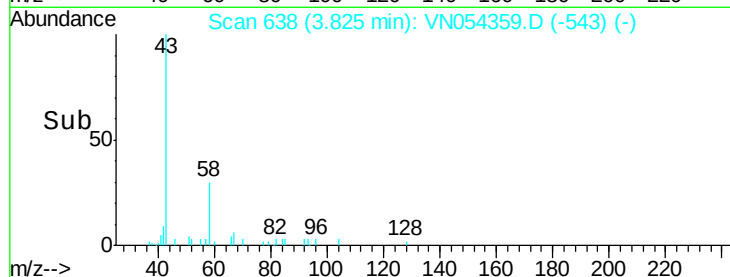
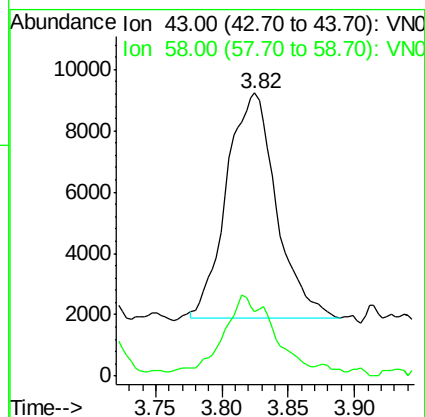
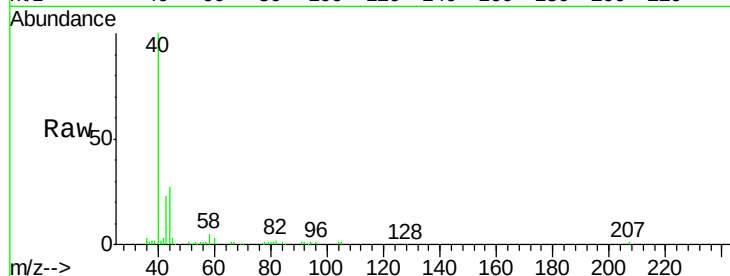
PB117942TB

Tot Ion: 43 Resp: 19039

Ion Ratio Lower Upper

43 100

58 25.5 29.9 44.9#



#20

Methylene Chloride

Concen: 4.782 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

Tgt Ion: 84 Resp: 87264

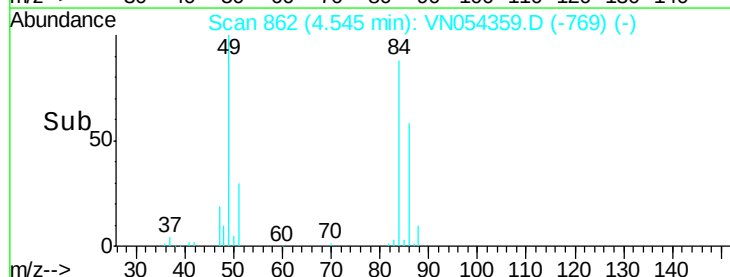
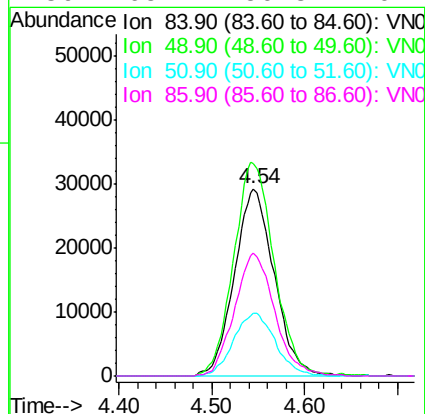
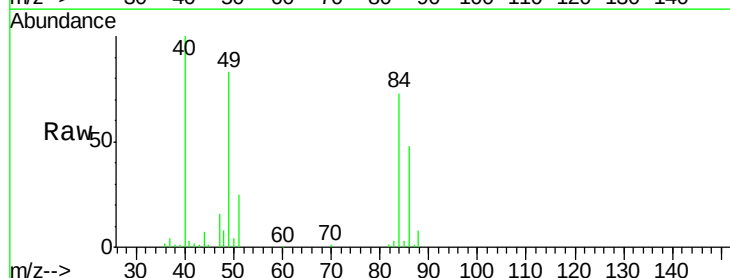
Ion Ratio Lower Upper

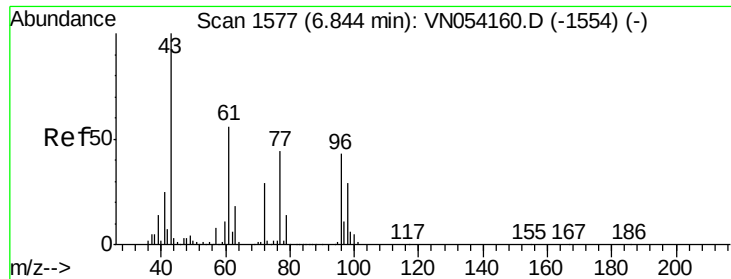
84 100

49 113.4 89.7 134.5

51 33.6 28.2 42.4

86 65.7 50.8 76.2

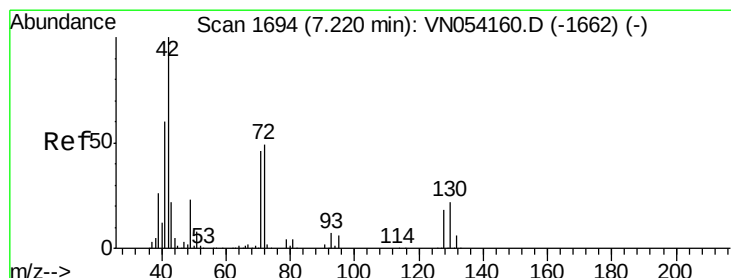
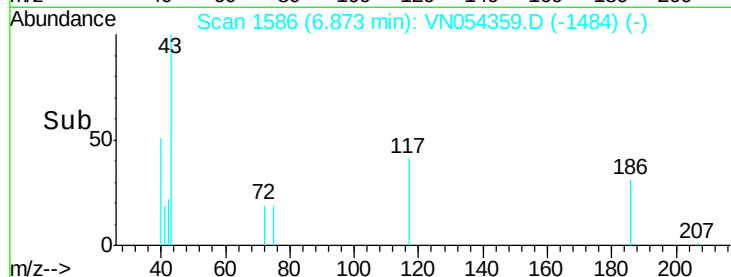
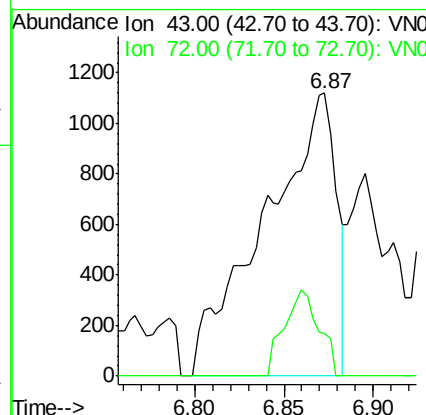
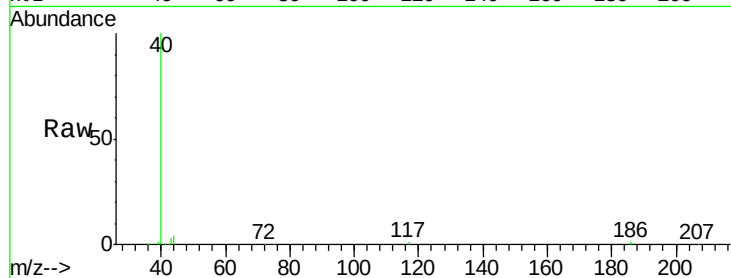




#25
2-Butanone
Concen: 0.475 ug/l
RT: 6.87 min Scan# 1586
Delta R.T. 0.03 min
Lab File: VN054359.D
Acq: 17 Mar 2019 2:20

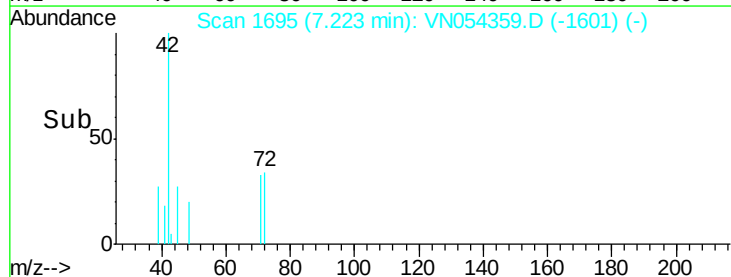
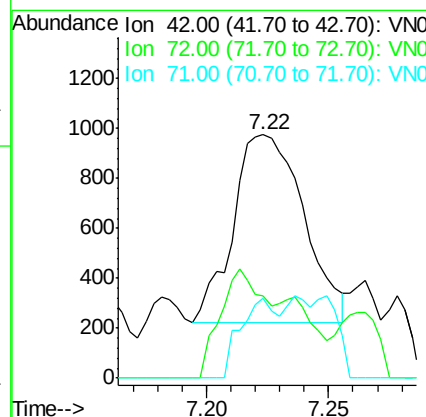
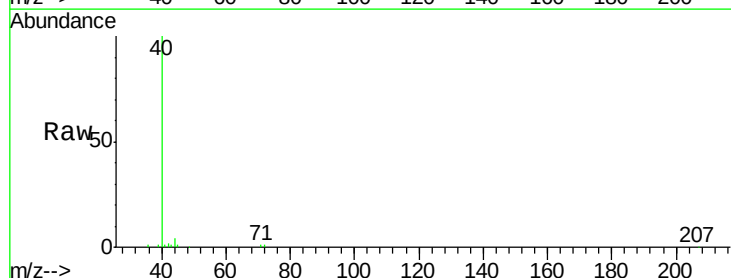
Instrument :
MSVOA_N
ClientSampled :
PB117942TB

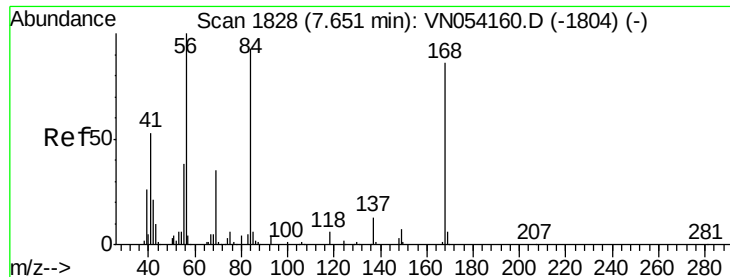
Tot Ion: 43 Resp: 3101
Ion Ratio Lower Upper
43 100
72 14.9 23.0 34.6#



#29
Tetrahydrofuran
Concen: 0.358 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054359.D
Acq: 17 Mar 2019 2:20

Tgt Ion: 42 Resp: 1502
Ion Ratio Lower Upper
42 100
72 36.5 37.8 56.6#
71 22.4 36.2 54.2#

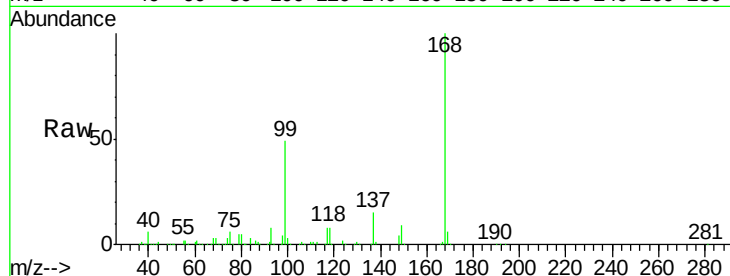




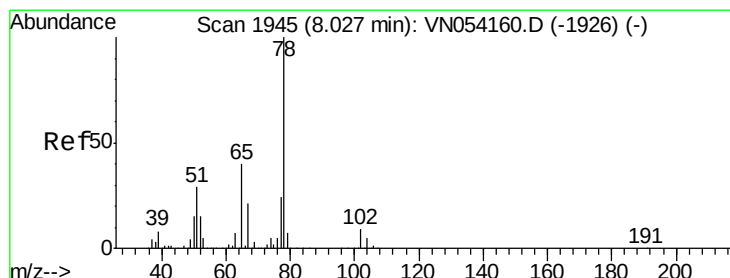
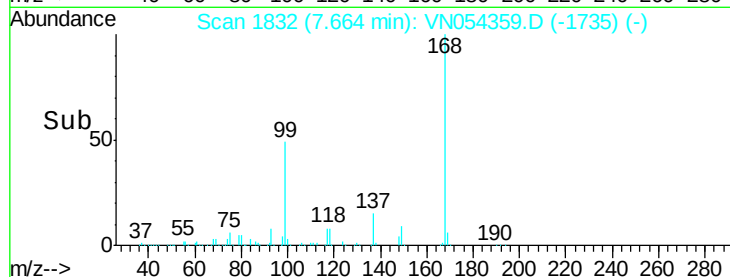
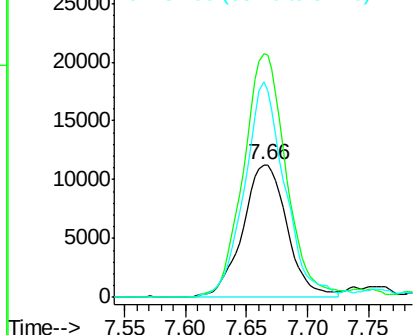
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054359.D
Acq: 17 Mar 2019 2:20

Instrument :
MSVOA_N
ClientSampled :
PB117942TB

Tot Ion: 56 Resp: 28506
Ion Ratio Lower Upper
56 100
69 183.6 27.8 41.6#
84 162.2 74.6 111.8#

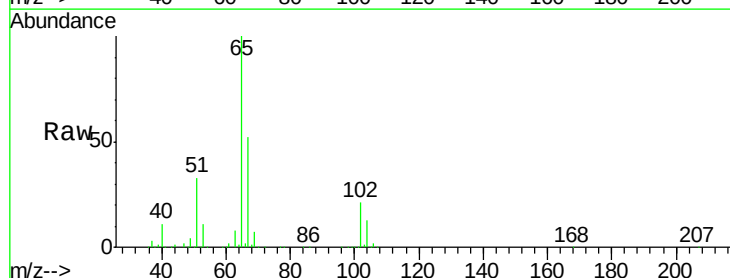


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

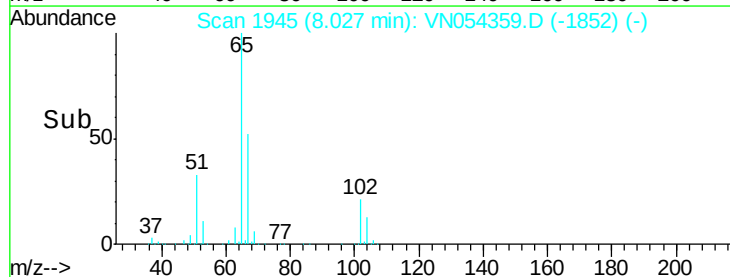
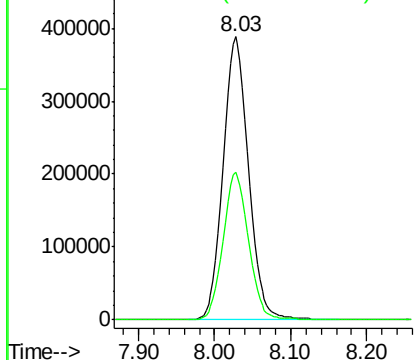


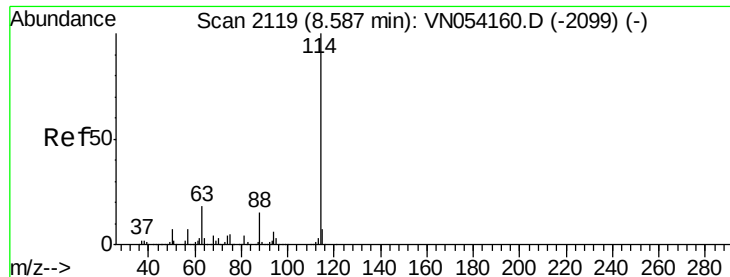
#33
1,2-Dichloroethane-d4
Concen: 46.734 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054359.D
Acq: 17 Mar 2019 2:20

Tgt Ion: 65 Resp: 907186
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

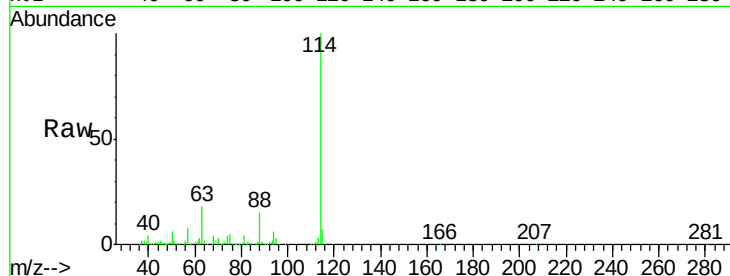




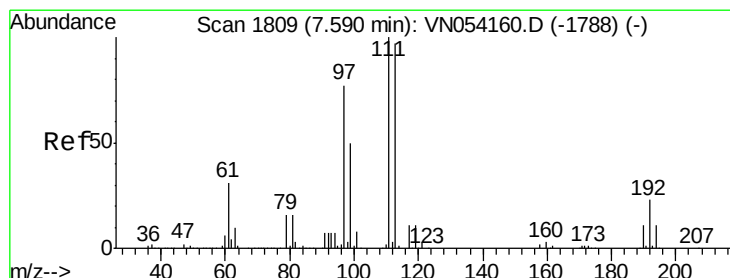
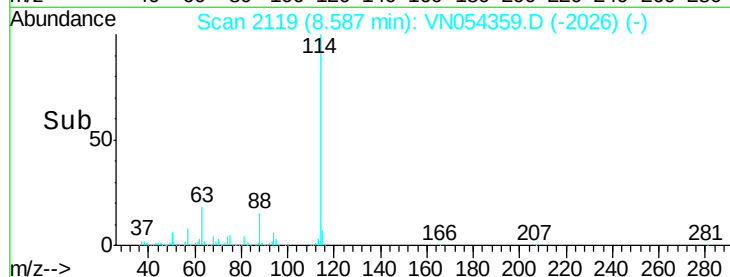
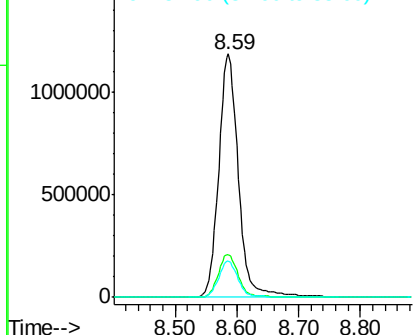
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054359.D
 Acq: 17 Mar 2019 2:20

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117942TB

Tot Ion:114 Resp: 2631463
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.2
 88 15.0 0.0 30.2

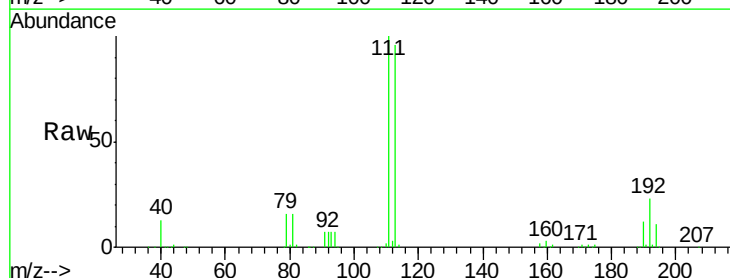


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

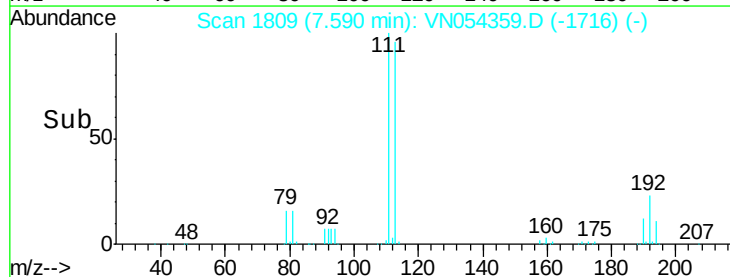
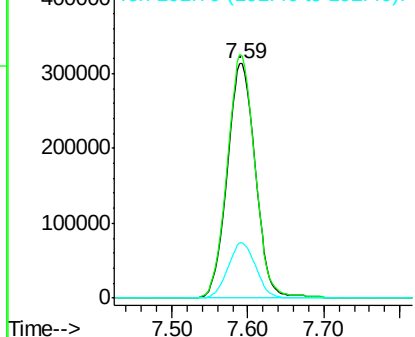


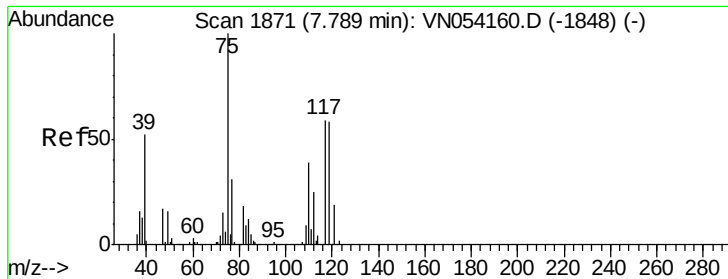
#35
 Dibromofluoromethane
 Concen: 47.545 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054359.D
 Acq: 17 Mar 2019 2:20

Tgt Ion:113 Resp: 806920
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.4
 192 23.3 19.2 28.8



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: 4.338 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampled :

PB117942TB

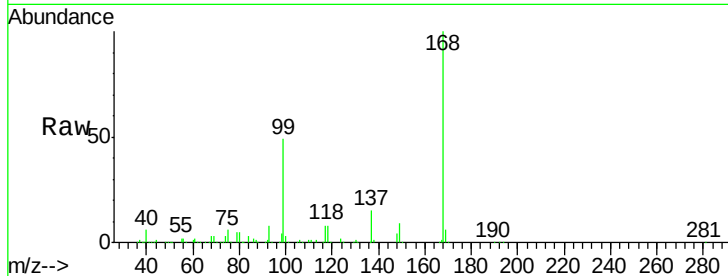
Tot Ion: 75 Resp: 105120

Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.5#

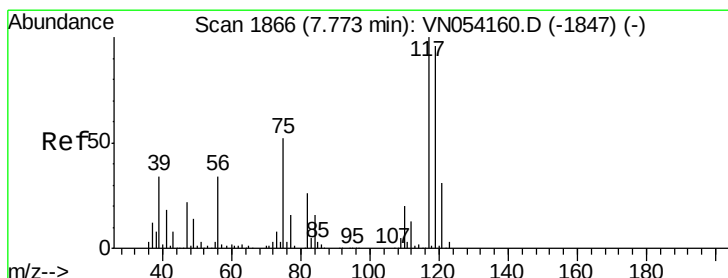
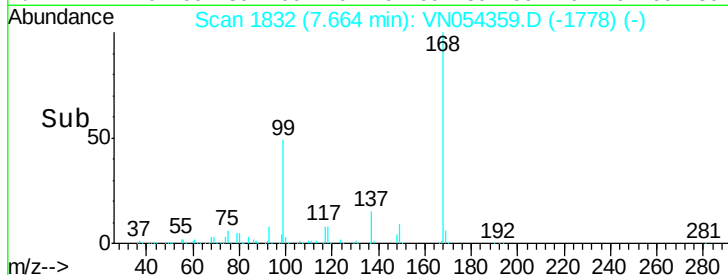
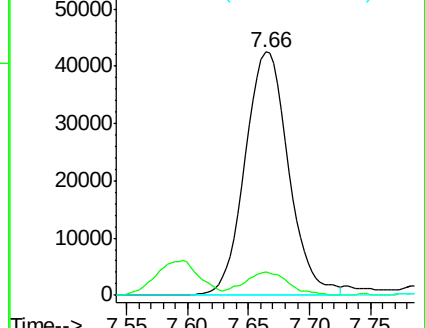
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN054359.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN054359.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN054359.D (-1778) (-)



#38

Carbon Tetrachloride

Concen: 5.740 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

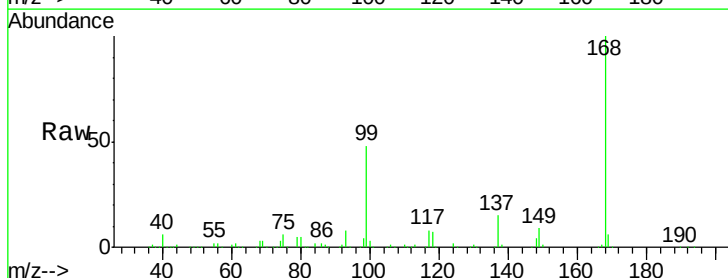
Tgt Ion: 117 Resp: 145868

Ion Ratio Lower Upper

117 100

119 4.6 76.3 114.5#

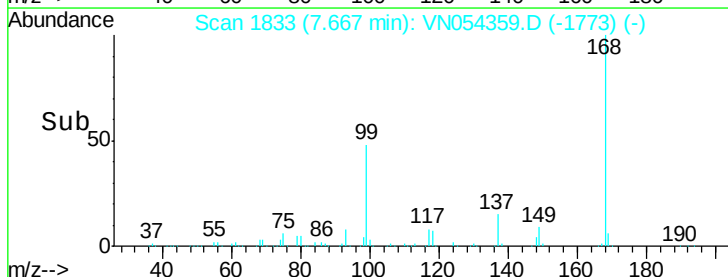
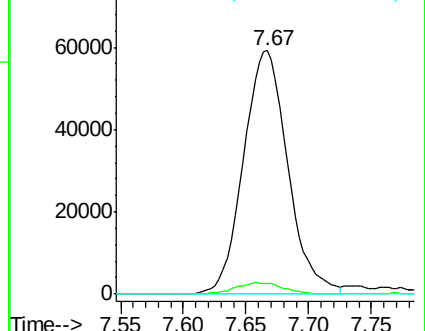
121 0.0 24.6 36.8#

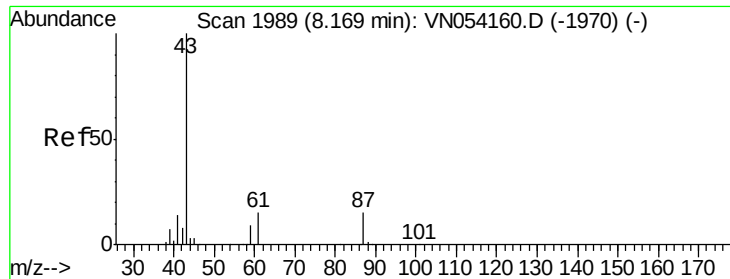


Abundance Ion 116.80 (116.50 to 117.50): VN054359.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN054359.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN054359.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 1.205 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampleId :

PB117942TB

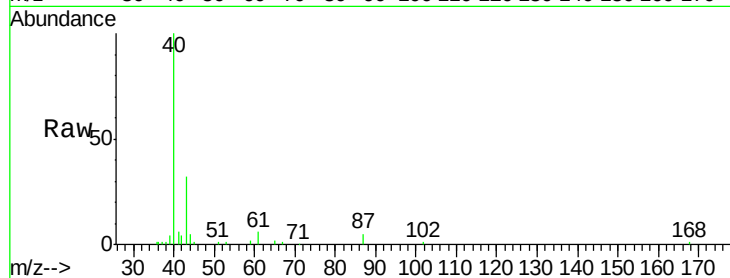
Tot Ion: 43 Resp: 29450

Ion Ratio Lower Upper

43 100

61 20.8 15.8 23.8

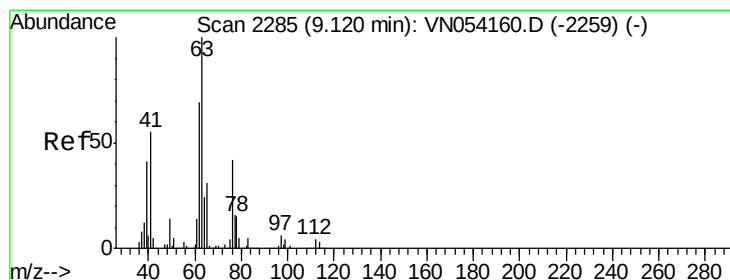
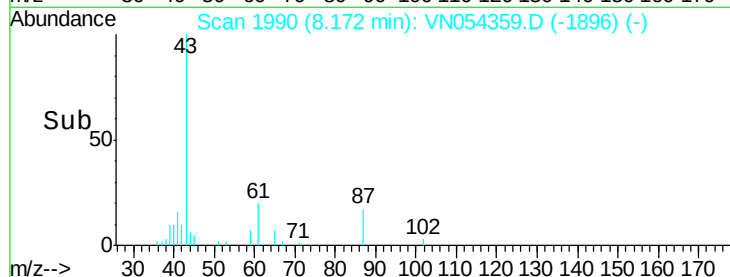
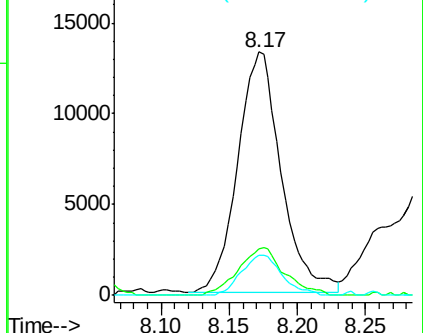
87 15.7 12.0 18.0



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



#45

1,2-Dichloropropane

Concen: 0.267 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN054359.D

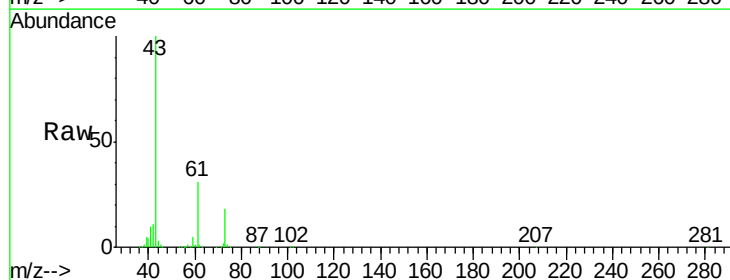
Acq: 17 Mar 2019 2:20

Tgt Ion: 63 Resp: 4596

Ion Ratio Lower Upper

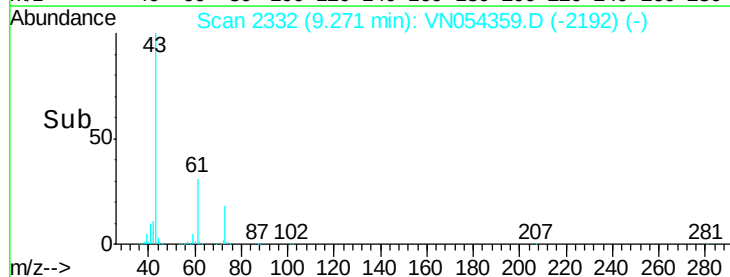
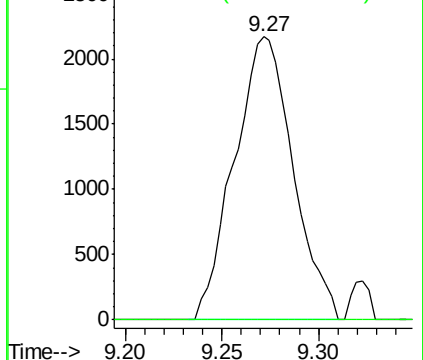
63 100

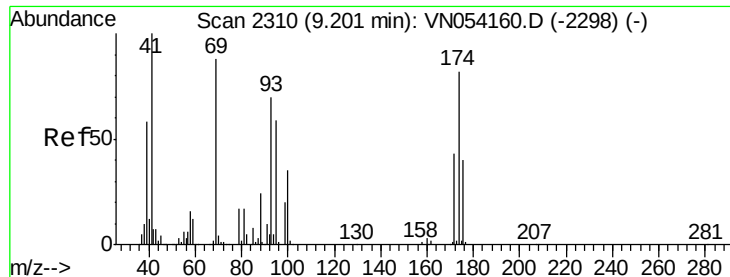
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

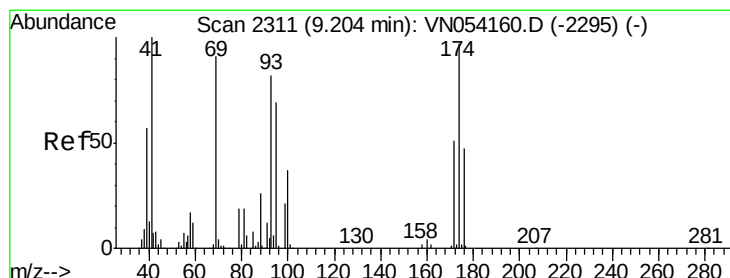
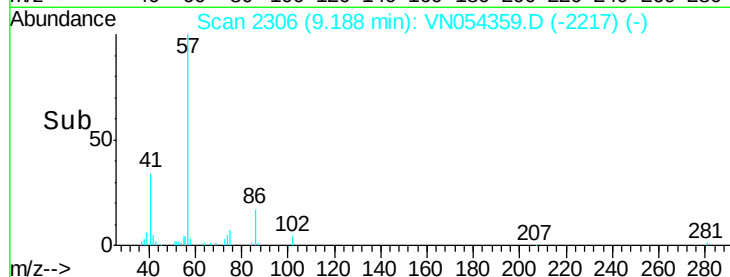
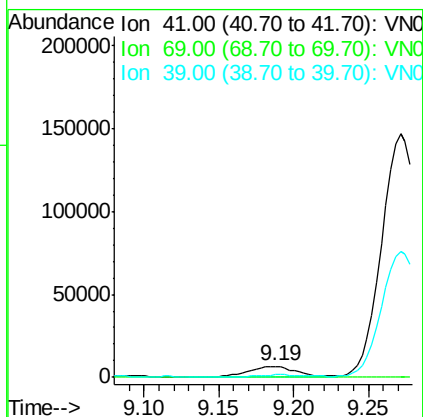
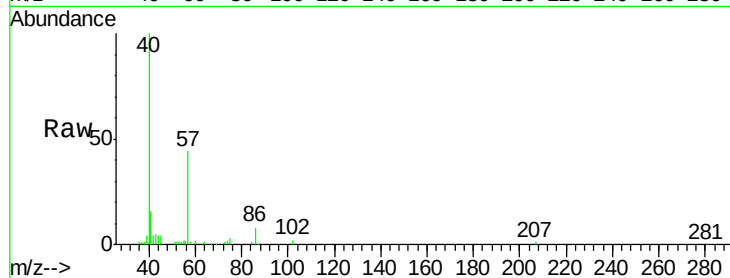




#48
Methvl methacrylate
Concen: 1.125 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.01 min
Lab File: VN054359.D
Acq: 17 Mar 2019 2:20

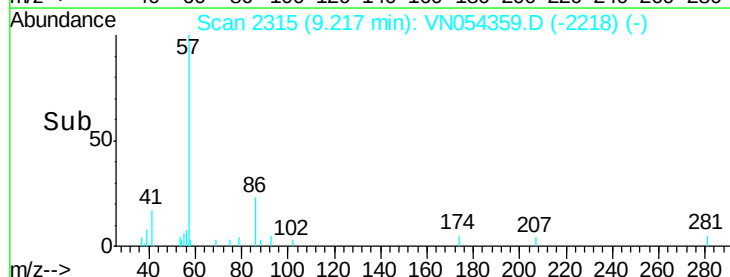
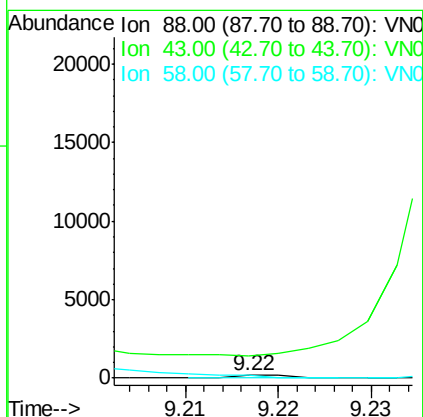
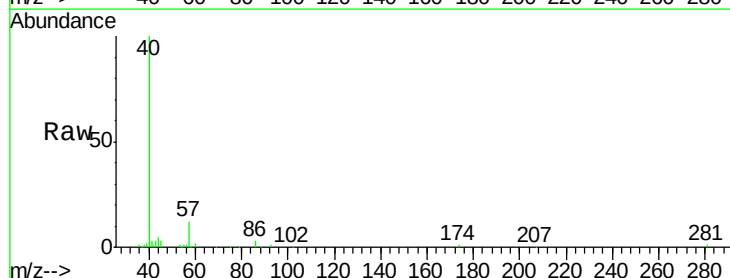
Instrument :
MSVOA_N
ClientSampleId :
PB117942TB

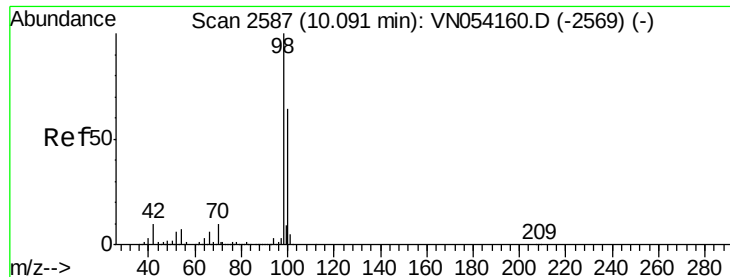
Tot Ion: 41 Resp: 13951
Ion Ratio Lower Upper
41 100
69 0.9 72.6 108.8#
39 0.0 47.5 71.3#



#49
1,4-Dioxane
Concen: 0.348 ug/l
RT: 9.22 min Scan# 2315
Delta R.T. 0.01 min
Lab File: VN054359.D
Acq: 17 Mar 2019 2:20

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 24.1 36.1#
58 0.0 50.8 76.2#





#50

Toluene-d8

Concen: 48.627 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampleId :

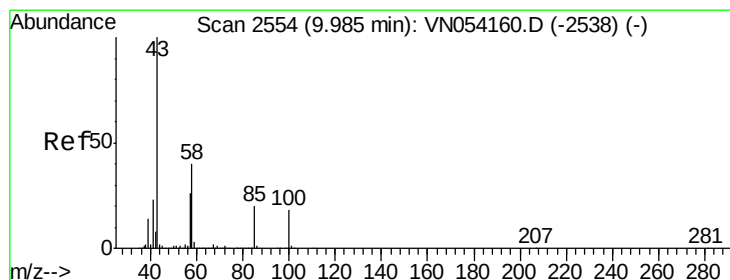
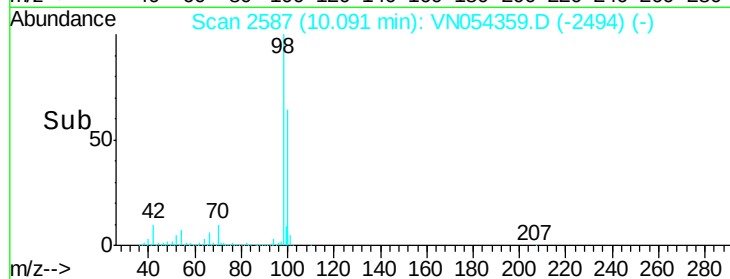
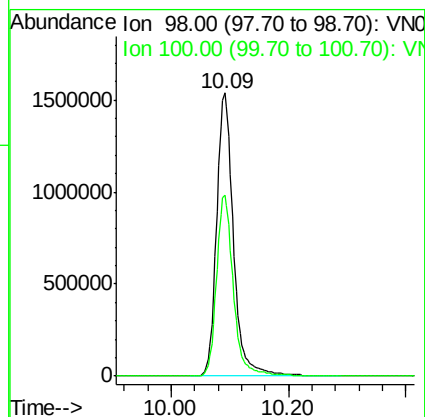
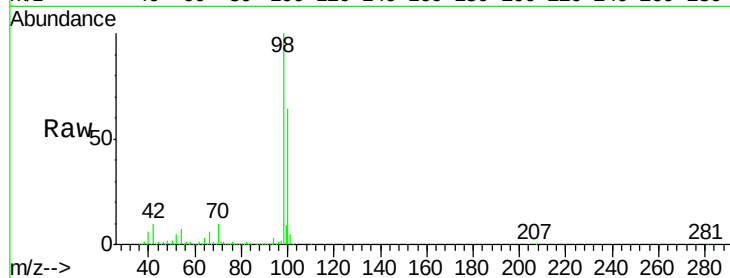
PB117942TB

Tot Ion: 98 Resp: 3047903

Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.163 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054359.D

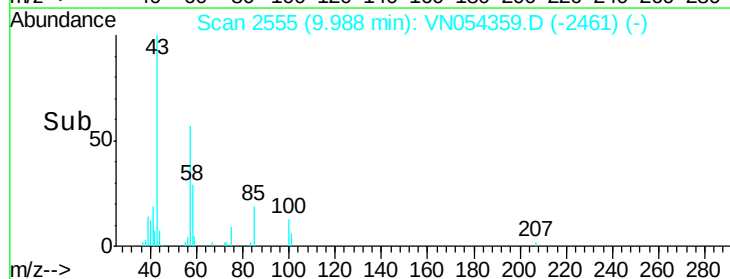
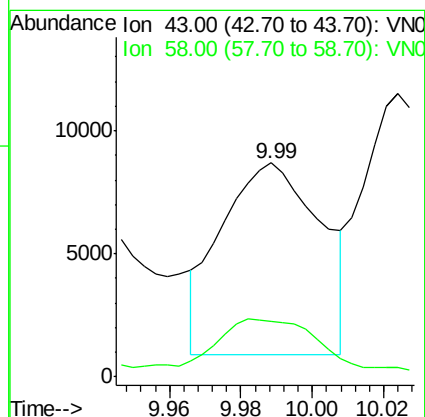
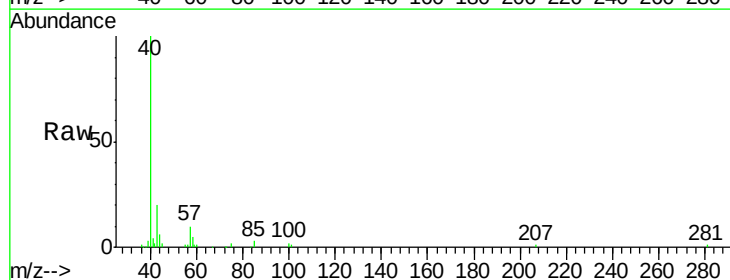
Acq: 17 Mar 2019 2:20

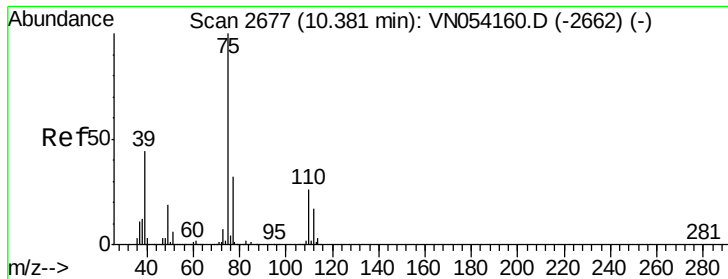
Tgt Ion: 43 Resp: 15044

Ion Ratio Lower Upper

43 100

58 33.1 31.8 47.6





#53

t-1,3-Dichloropropene

Concen: 2.015 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampled :

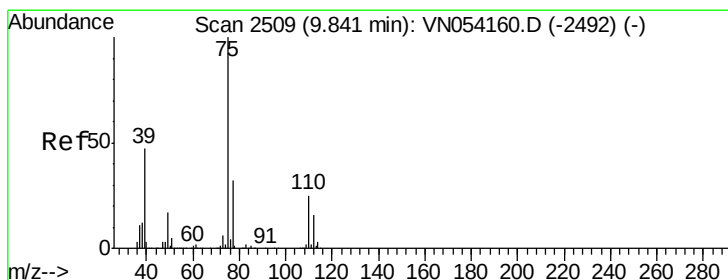
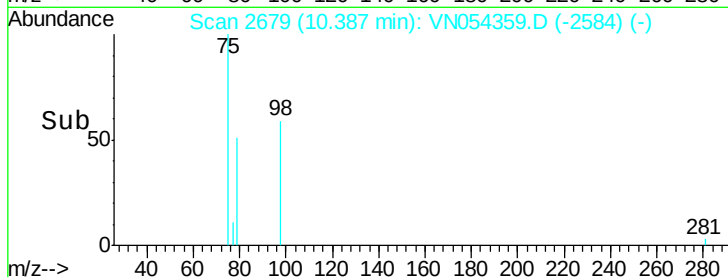
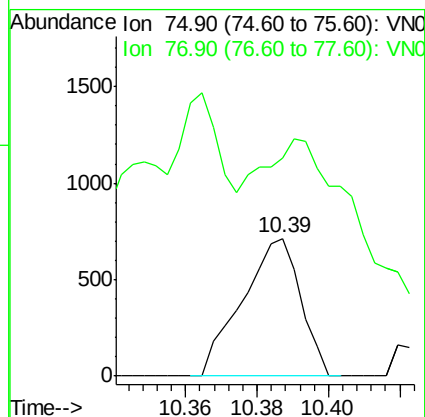
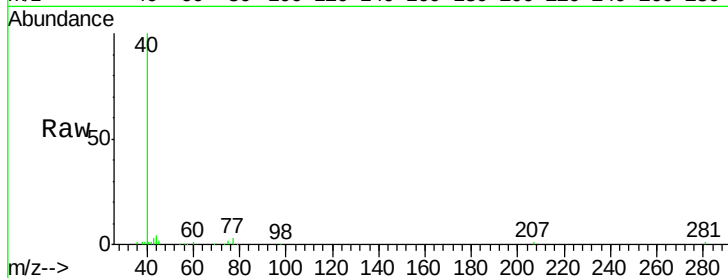
PB117942TB

Tot Ion: 75 Resp: 808

Ion Ratio Lower Upper

75 100

77 20.4 25.8 38.8#



#54

cis-1,3-Dichloropropene

Concen: 5.022 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

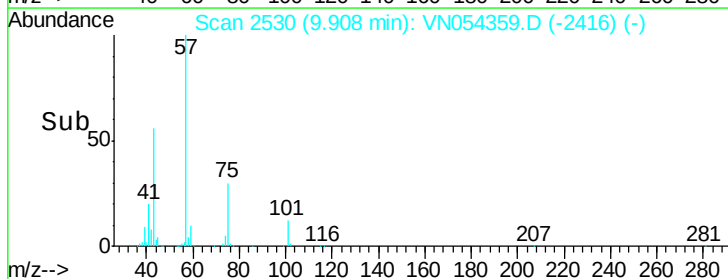
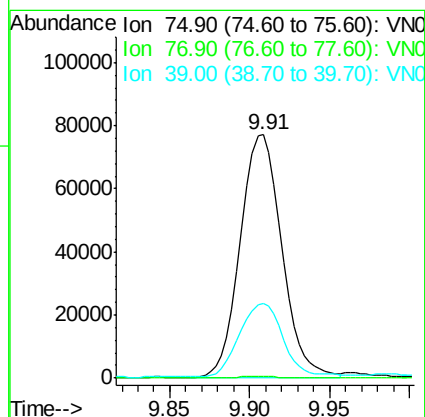
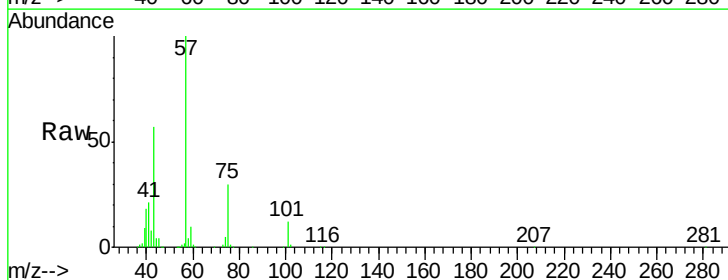
Tgt Ion: 75 Resp: 136484

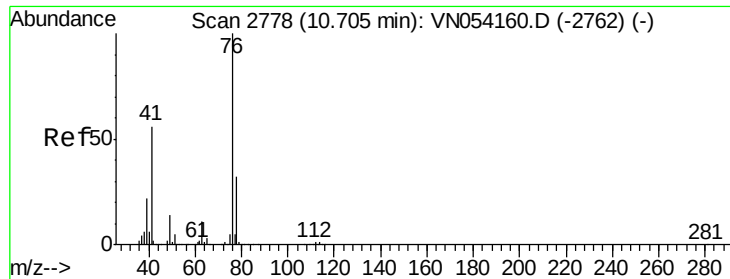
Ion Ratio Lower Upper

75 100

77 0.5 25.4 38.0#

39 30.3 37.2 55.8#





#57

1,3-Dichloropropane

Concen: 1.024 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampled :

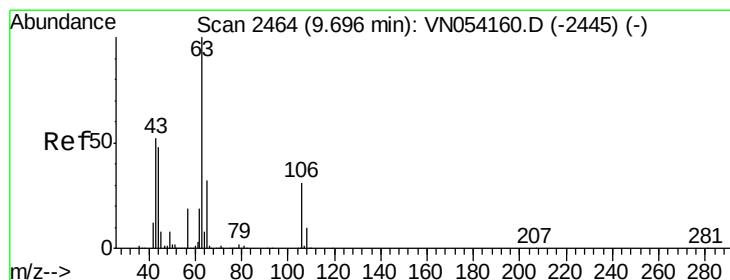
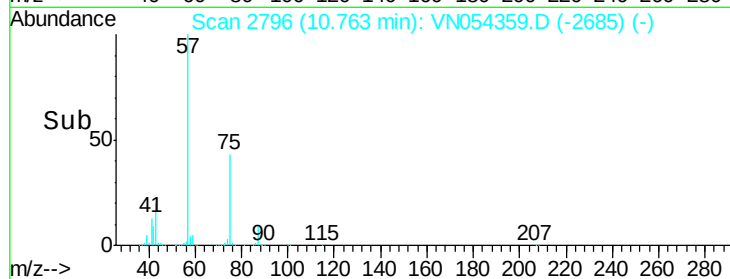
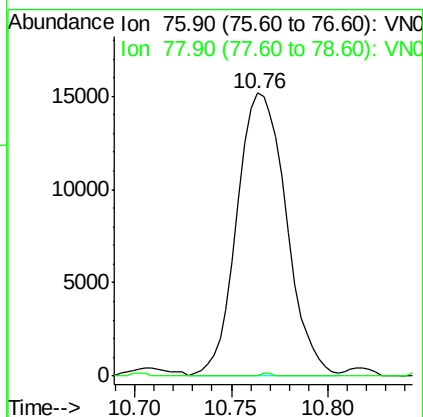
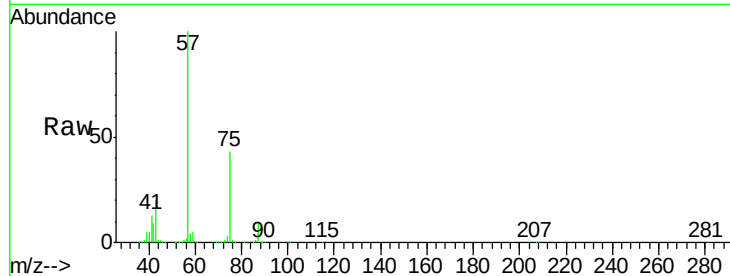
PB117942TB

Tot Ion: 76 Resp: 26885

Ion Ratio Lower Upper

76 100

78 0.3 25.7 38.5#



#58

2-Chloroethyl Vinyl ether

Concen: 16.887 ug/l

RT: 9.71 min Scan# 2467

Delta R.T. 0.01 min

Lab File: VN054359.D

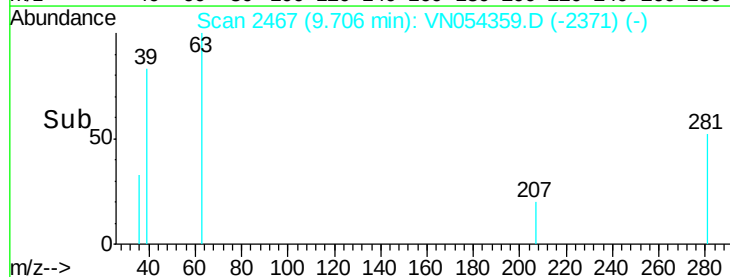
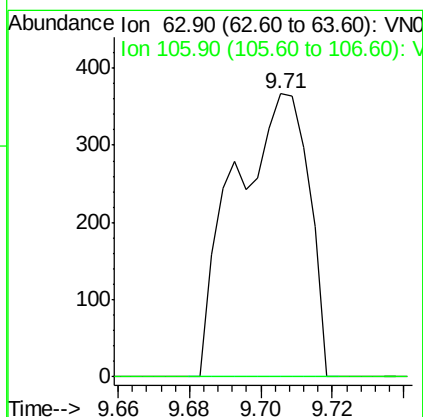
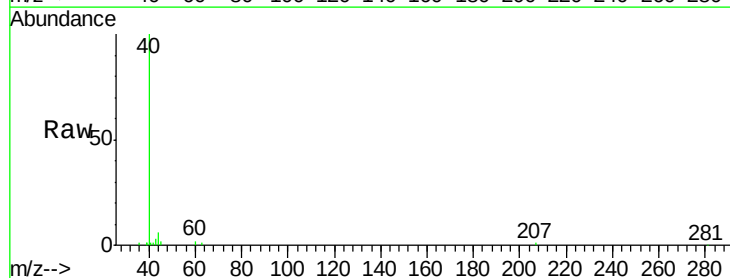
Acq: 17 Mar 2019 2:20

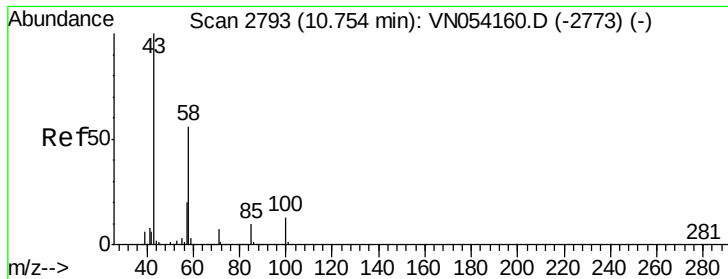
Tgt Ion: 63 Resp: 526

Ion Ratio Lower Upper

63 100

106 0.0 24.4 36.6#





#59

2-Hexanone

Concen: 44.059 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampled :

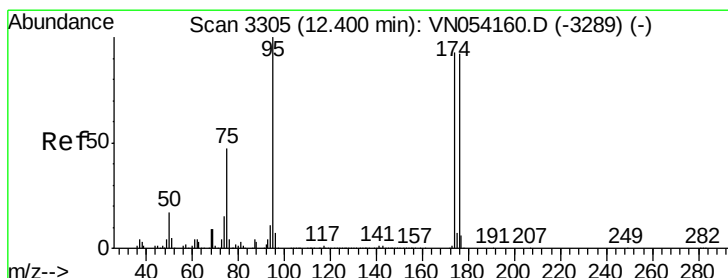
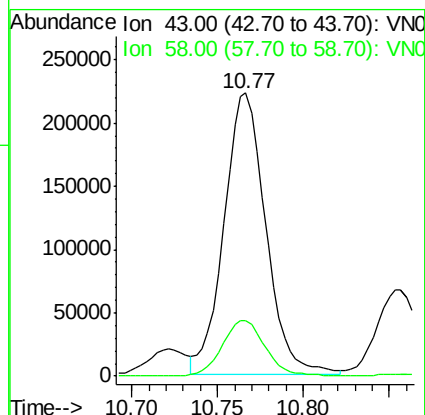
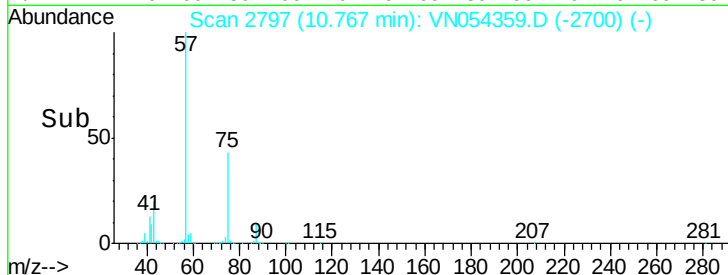
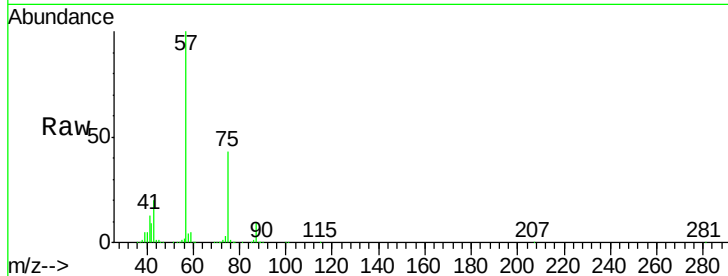
PB117942TB

Tot Ion: 43 Resp: 379192

Ion Ratio Lower Upper

43 100

58 20.5 28.0 83.9#



#62

4-Bromofluorobenzene

Concen: 41.884 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

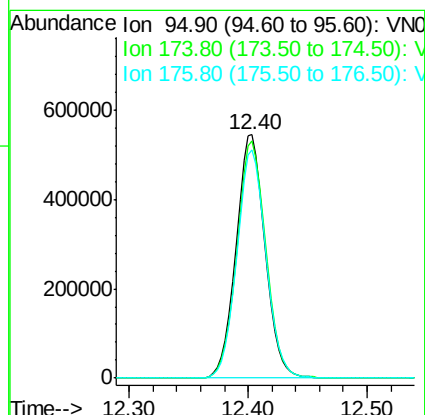
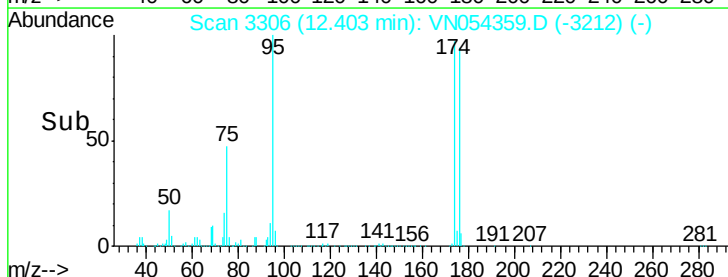
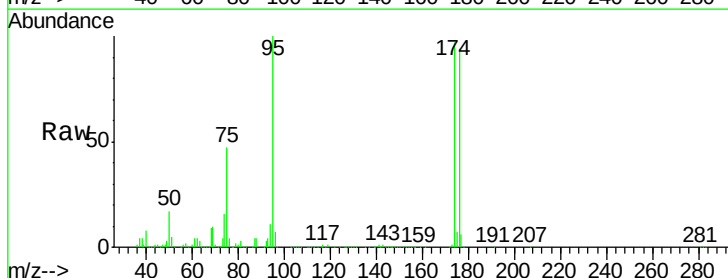
Tgt Ion: 95 Resp: 918578

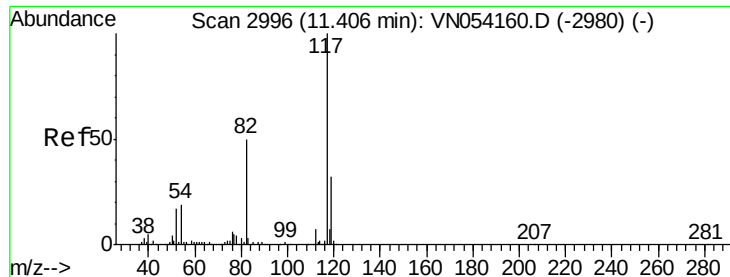
Ion Ratio Lower Upper

95 100

174 97.5 0.0 191.0

176 94.2 0.0 187.4

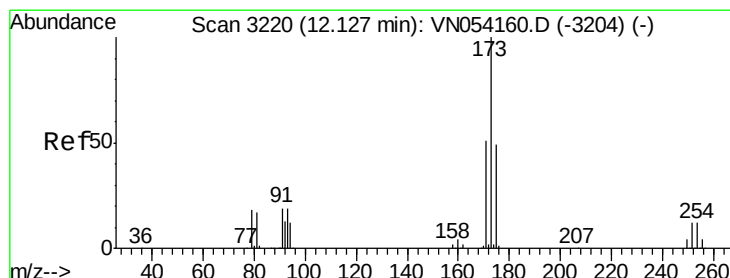
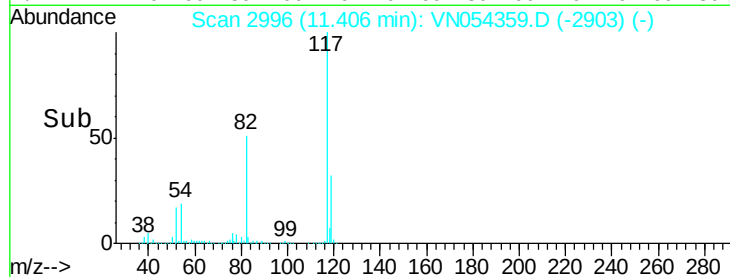
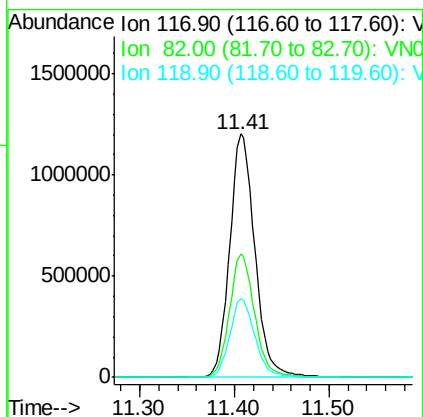
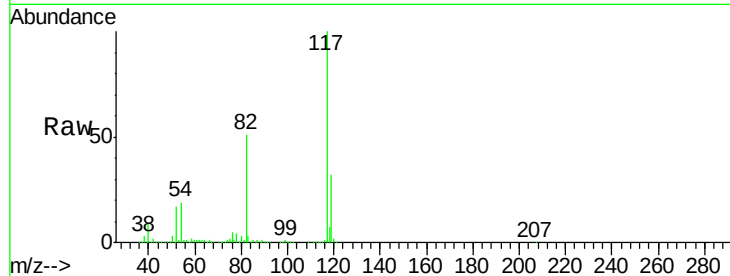




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054359.D
Acq: 17 Mar 2019 2:20

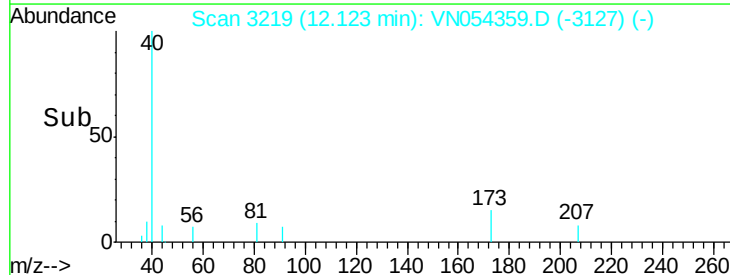
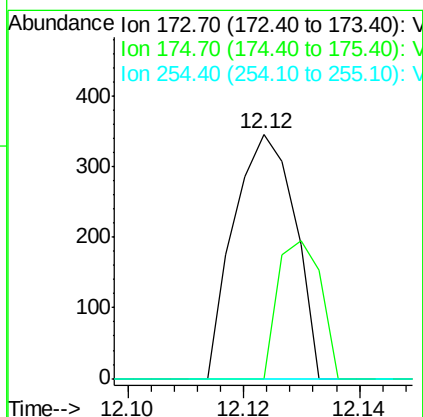
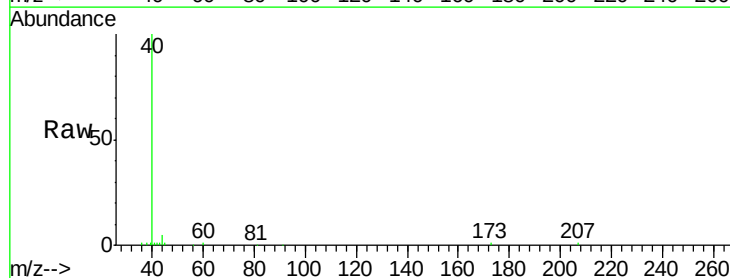
Instrument :
MSVOA_N
ClientSampleId :
PB117942TB

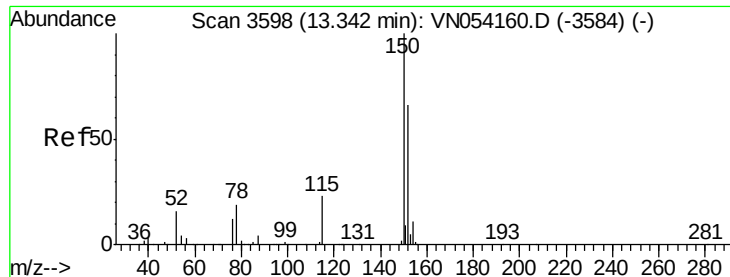
Tot Ion:117 Resp: 2225428
Ion Ratio Lower Upper
117 100
82 50.8 40.0 60.0
119 32.3 25.8 38.6



#71
Bromoform
Concen: 2.368 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN054359.D
Acq: 17 Mar 2019 2:20

Tgt Ion:173 Resp: 252
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampled :

PB117942TB

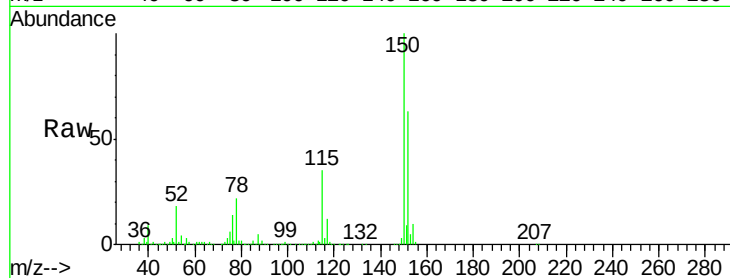
Tot Ion:152 Resp: 830840

Ion Ratio Lower Upper

152 100

115 55.5 27.2 81.6

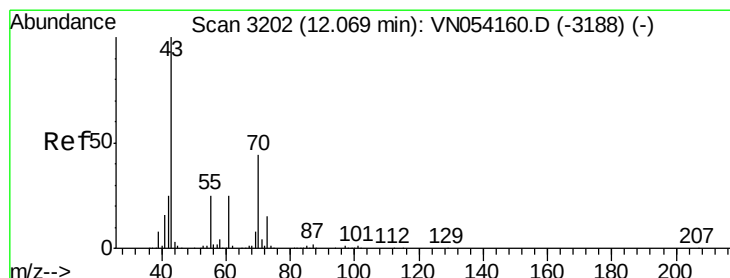
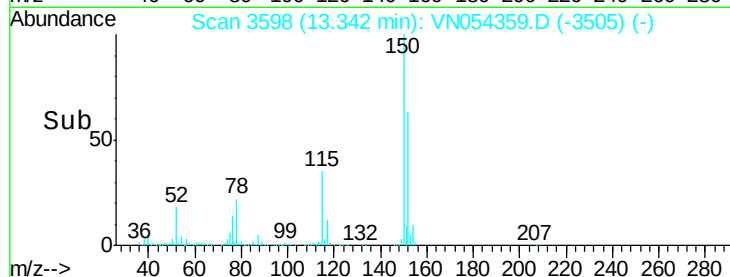
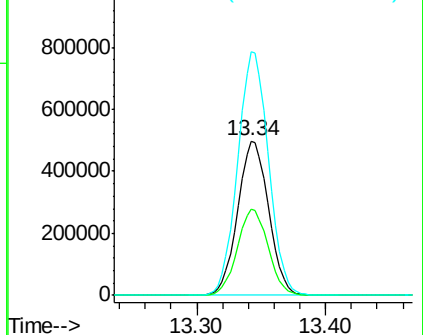
150 157.1 0.0 349.2



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: 0.201 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

Tgt Ion: 43 Resp: 2960

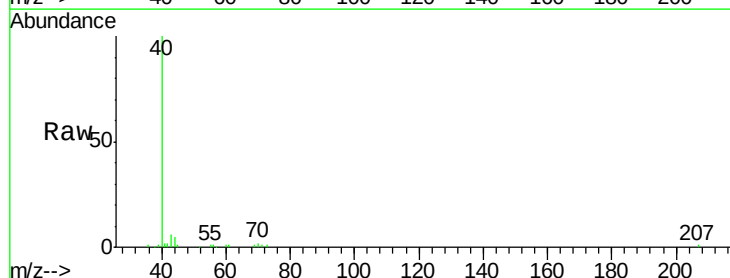
Ion Ratio Lower Upper

43 100

70 36.7 35.4 53.0

55 30.2 19.8 29.6#

61 31.1 19.8 29.6#

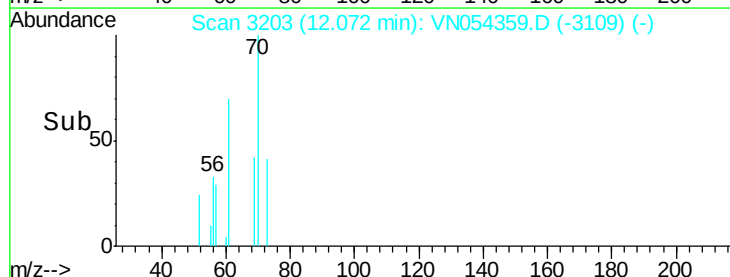
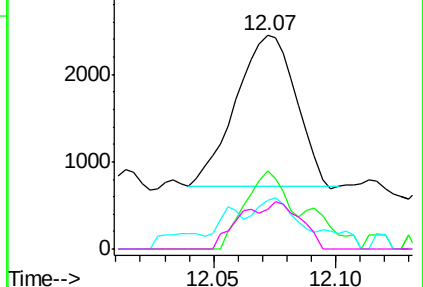


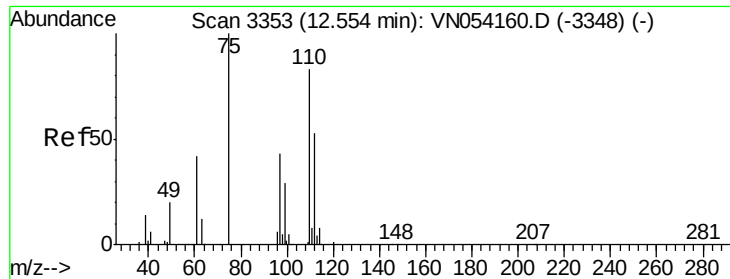
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 36.247 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampled :

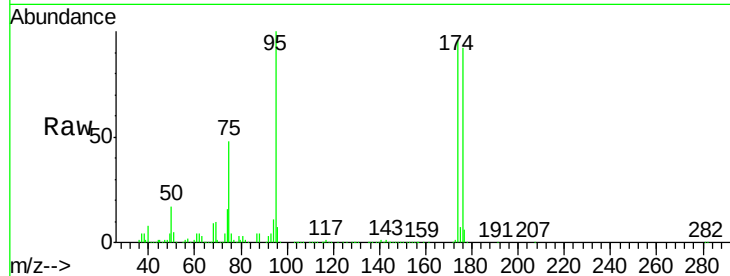
PB117942TB

Tot Ion: 75 Resp: 442863

Ion Ratio Lower Upper

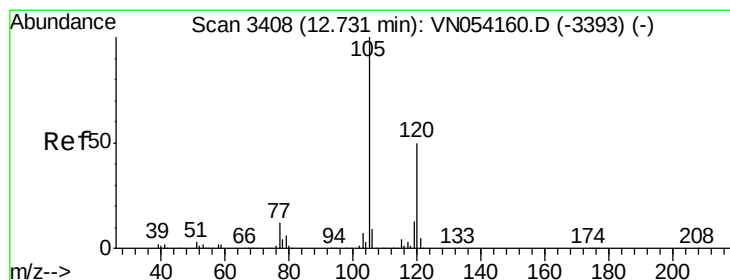
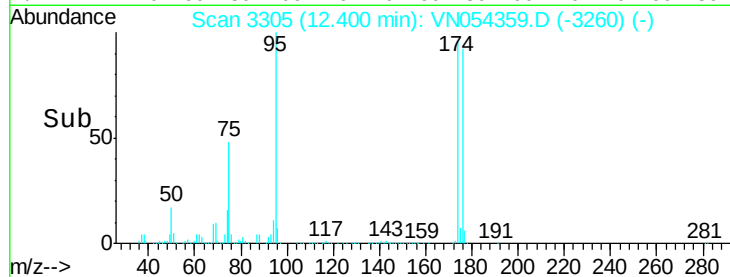
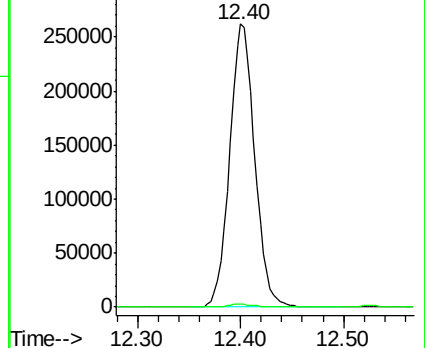
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054160.D (-3348) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.741 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054359.D

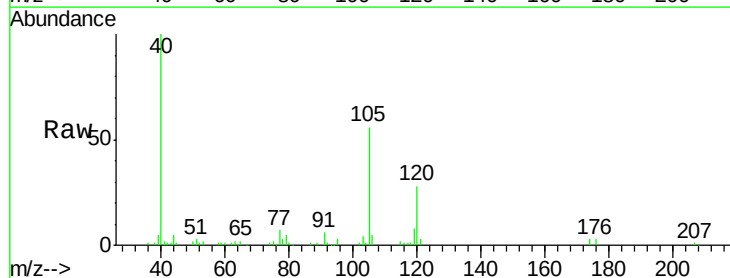
Acq: 17 Mar 2019 2:20

Tgt Ion: 105 Resp: 40971

Ion Ratio Lower Upper

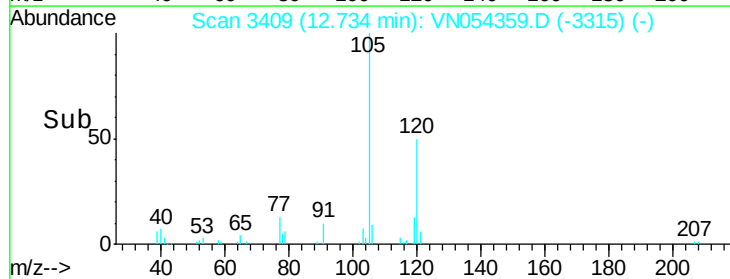
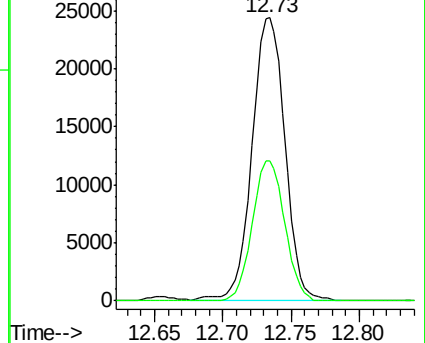
105 100

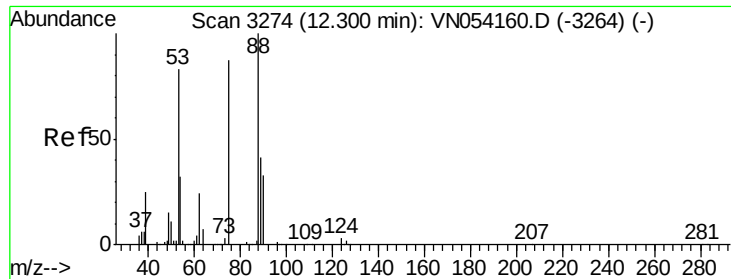
120 48.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 123.909 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampled :

PB117942TB

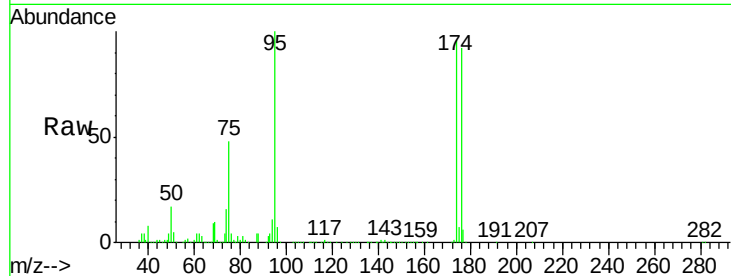
Tot Ion: 75 Resp: 442863

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

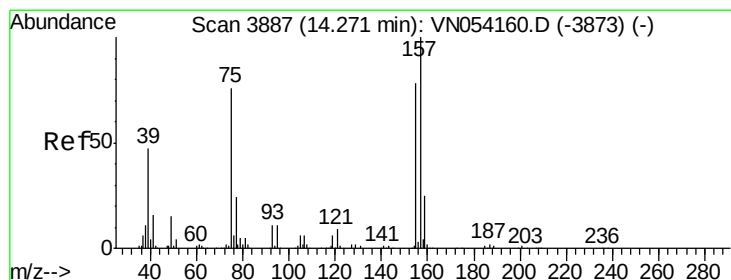
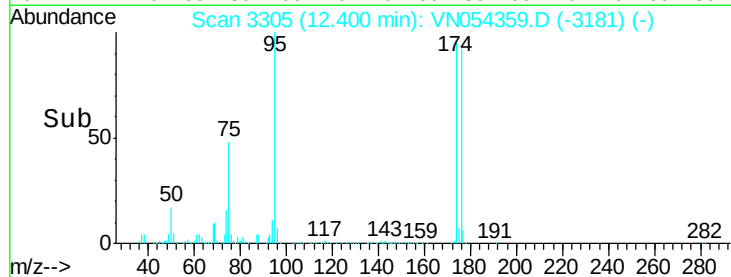
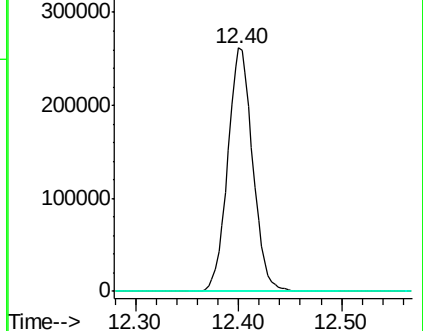
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.230 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054359.D

Acq: 17 Mar 2019 2:20

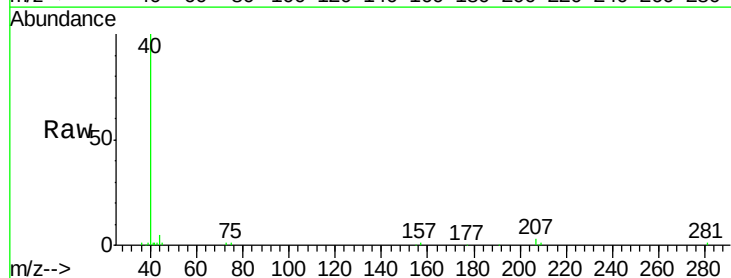
Tgt Ion: 75 Resp: 503

Ion Ratio Lower Upper

75 100

155 24.7 50.1 150.3#

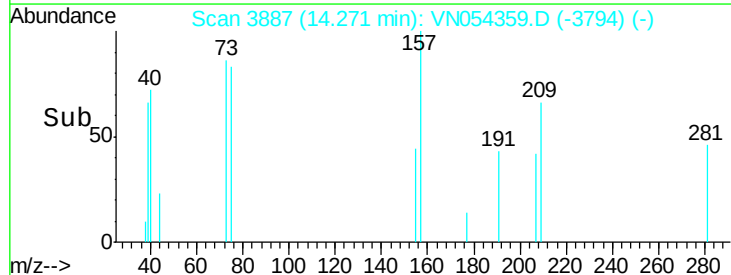
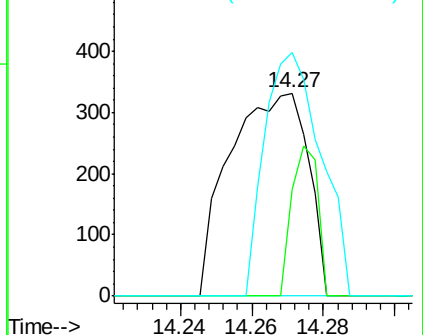
157 86.3 63.1 189.3

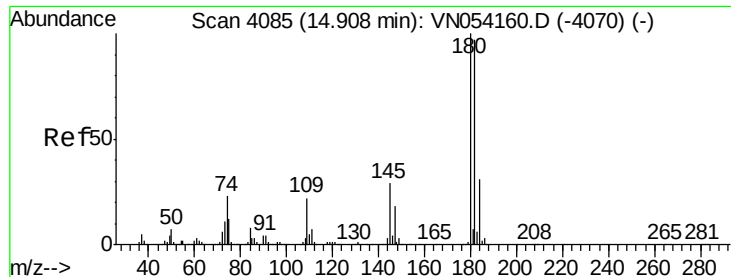


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

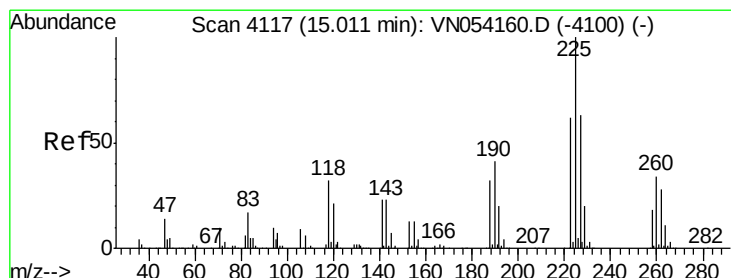
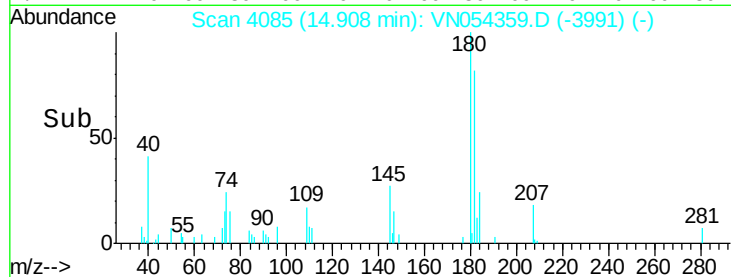
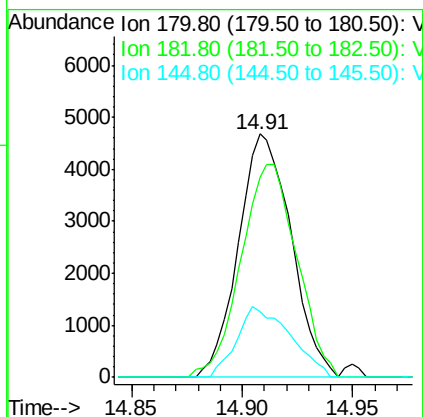
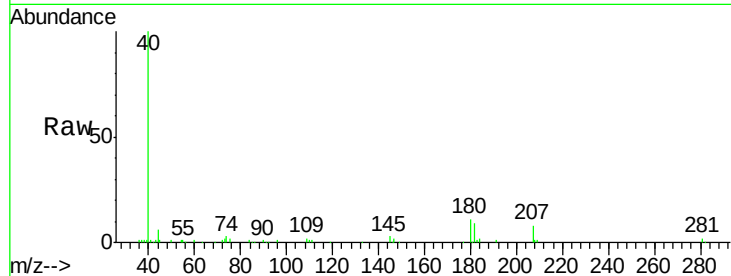




#93
 1,2,4-Trichlorobenzene
 Concen: 2.937 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054359.D
 Acq: 17 Mar 2019 2:20

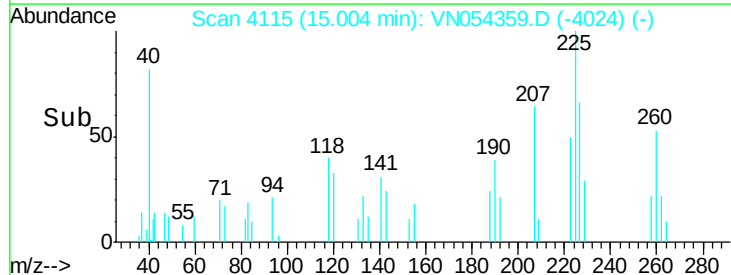
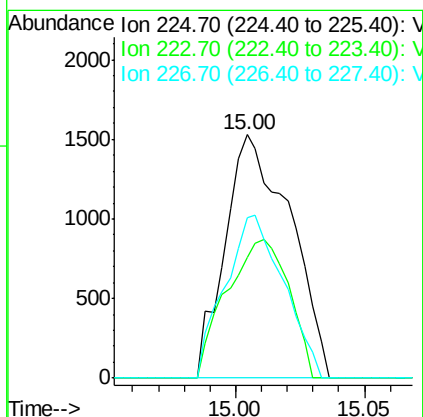
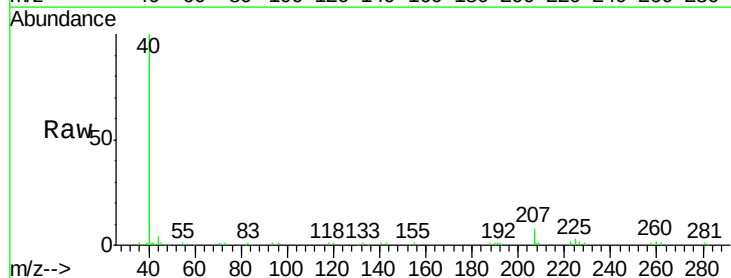
Instrument :
 MSVOA_N
 ClientSampled :
 PB117942TB

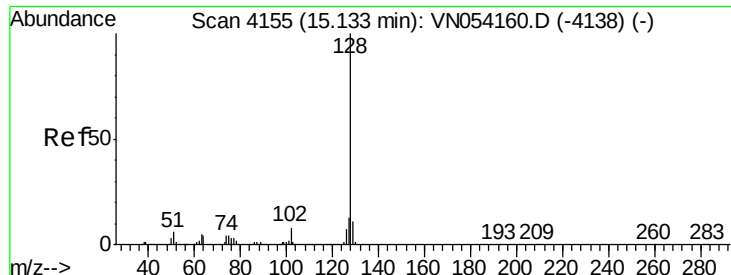
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	48.0	144.2
145	29.5	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 0.244 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.01 min
 Lab File: VN054359.D
 Acq: 17 Mar 2019 2:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	54.6	31.1	93.5
227	60.2	31.9	95.9

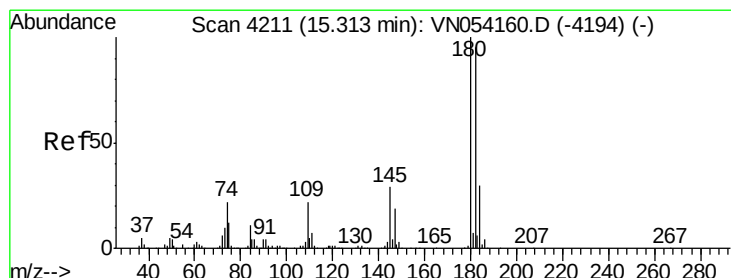
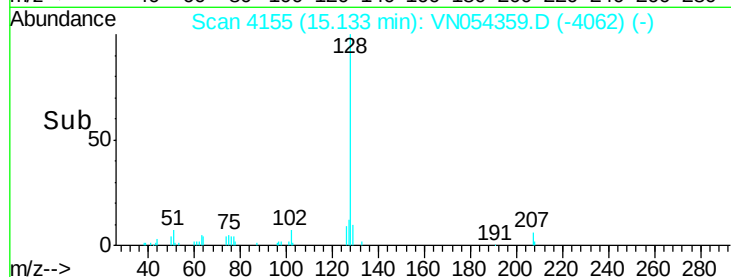
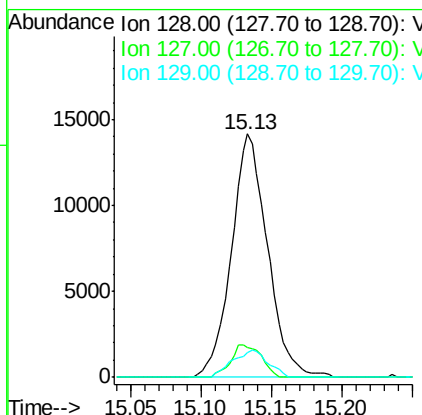
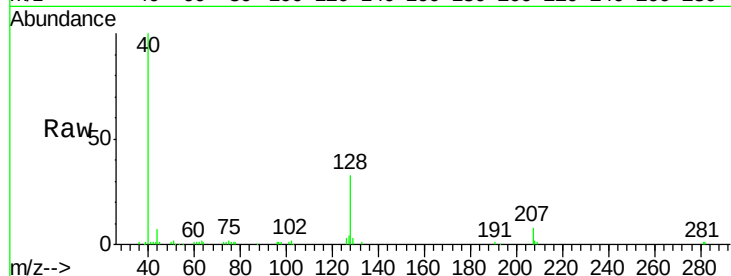




#95
Naphthalene
Concen: 4.118 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054359.D
Acq: 17 Mar 2019 2:20

Instrument :
MSVOA_N
ClientSampled :
PB117942TB

Tot Ion:128 Resp: 25376
Ion Ratio Lower Upper
128 100
127 11.5 10.1 15.1
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.591 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN054359.D
Acq: 17 Mar 2019 2:20

Tgt Ion:180 Resp: 9091
Ion Ratio Lower Upper
180 100
182 80.9 47.5 142.6
145 25.9 14.8 44.3

