

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\
 Data File : VN055321.D
 Acq On : 1 May 2019 11:46
 Operator : JC/SP
 Sample : PB119347TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB119347TB

Quant Time: May 02 01:49:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	343415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	591130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	547809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156371	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	239177	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	7.59	113	192642	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
50) Toluene-d8	10.09	98	738768	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.40	95	229104	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	111	0.432	ug/l #	73
13) Acrolein	3.62	56	118	0.587	ug/l #	14
16) Acetone	3.82	43	7843	5.603	ug/l #	88
18) Methyl Acetate	4.34	43	5434	0.570	ug/l #	69
20) Methylene Chloride	4.55	84	6900	1.615	ug/l	96
25) 2-Butanone	6.85	43	3684	2.058	ug/l #	78
29) Tetrahydrofuran	7.22	42	1608	1.403	ug/l #	53
31) Cyclohexane	7.67	56	8346	1.181	ug/l #	10
38) Carbon Tetrachloride	7.67	117	33144	6.068	ug/l #	16
41) Methacrylonitrile	7.16	41	105	0.784	ug/l #	1
43) Isopropyl Acetate	8.17	43	17172	2.462	ug/l #	89
45) 1,2-Dichloropropane	9.27	63	1448	0.301	ug/l #	45
48) Methyl methacrylate	9.18	41	8160	2.380	ug/l #	18
51) 4-Methyl-2-Pentanone	9.99	43	4515	1.150	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	54148	8.862	ug/l #	70
57) 1,3-Dichloropropane	10.76	76	10797	1.731	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.69	63	33	12.428	ug/l #	52
59) 2-Hexanone	10.76	43	185085	75.339	ug/l #	53
71) Bromoform	12.40	173	2572	1.105	ug/l #	1
73) Isopropylbenzene	12.25	105	1384	Below Cal	#	63
74) N-amyl acetate	12.06	43	1661	0.414	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.50	83	107	Below Cal	#	89
76) 1,2,3-Trichloropropane	12.40	75	119723	40.724	ug/l #	100
77) Bromobenzene	12.52	156	231	Below Cal	#	10
79) 2-Chlorotoluene	12.68	91	1143	Below Cal		94
80) 1,3,5-Trimethylbenzene	12.73	105	5946	0.485	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	119723	145.093	ug/l #	7
83) tert-Butylbenzene	12.99	119	761	Below Cal	#	77
89) n-Butylbenzene	13.61	91	2608	0.335	ug/l	91
90) Hexachloroethane	13.88	117	102	Below Cal	#	7
91) 1,2-Dichlorobenzene	13.66	146	1091	0.210	ug/l	90
93) 1,2,4-Trichlorobenzene	14.91	180	1044	3.787	ug/l	91
94) Hexachlorobutadiene	15.01	225	846	Below Cal		78
95) Naphthalene	15.13	128	3002	3.973	ug/l #	89

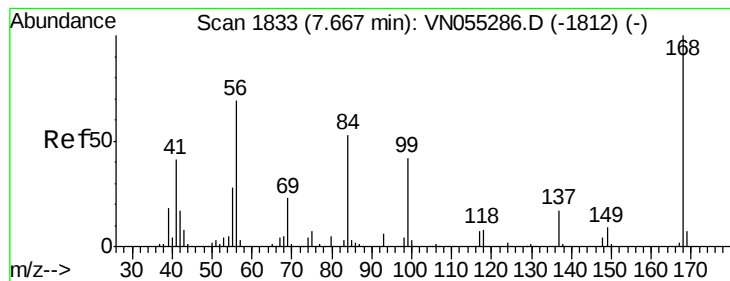
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\
Data File : VN055321.D
Acq On : 1 May 2019 11:46
Operator : JC/SP
Sample : PB119347TB
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB119347TB

Quant Time: May 02 01:49:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	1202	3.178	ug/l	100

(#) = 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: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

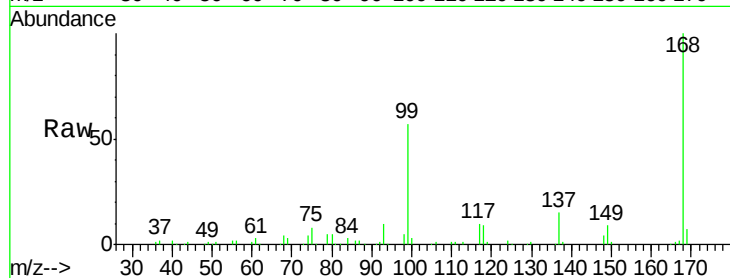
PB119347TB

Tot Ion:168 Resp: 343415

Ion Ratio Lower Upper

168 100

99 57.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

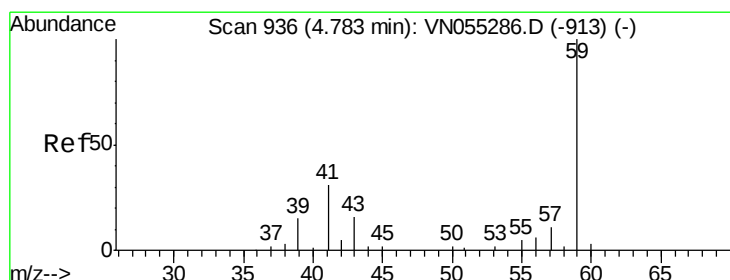
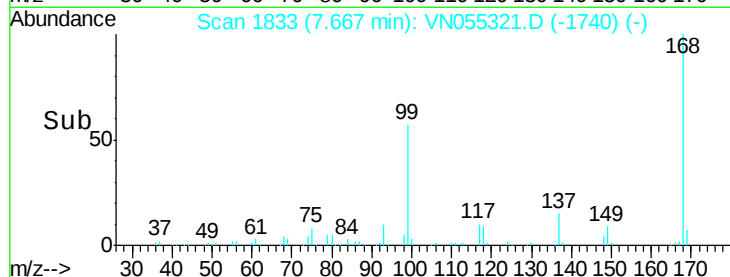
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.432 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: VN055321.D

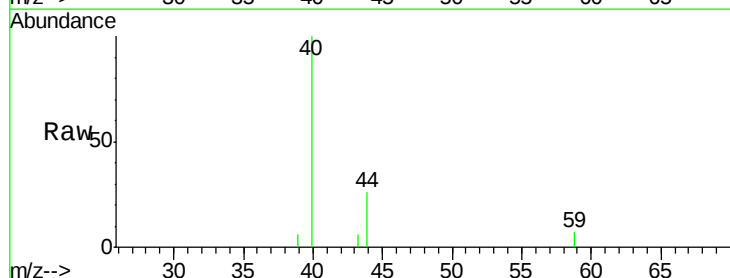
Acq: 1 May 2019 11:46

Tgt Ion: 59 Resp: 111

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.77

200

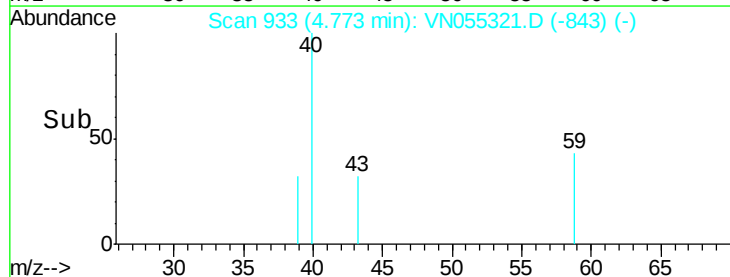
150

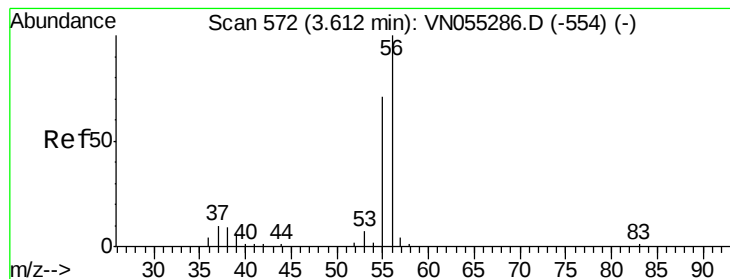
100

50

0

Time-->





#13

Acrolein

Concen: 0.587 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

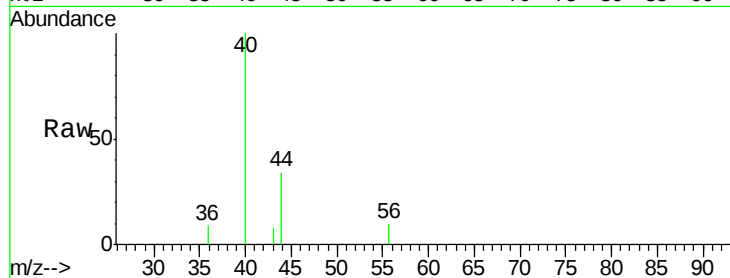
PB119347TB

Tot Ion: 56 Resp: 118

Ion Ratio Lower Upper

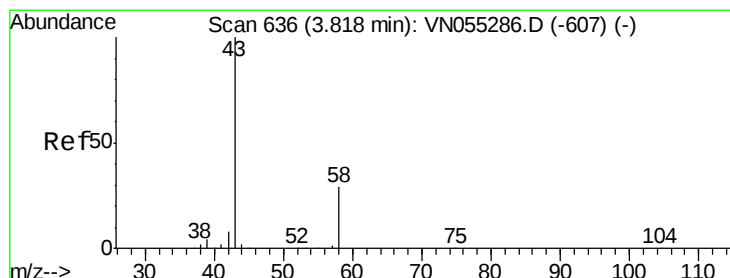
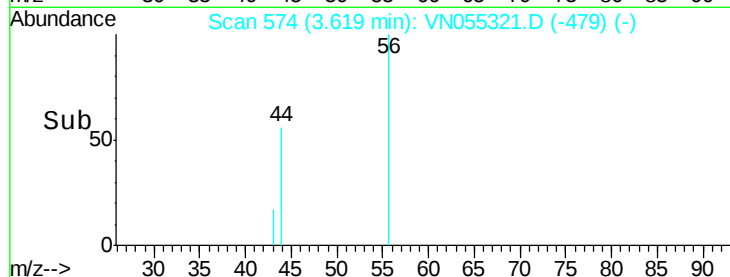
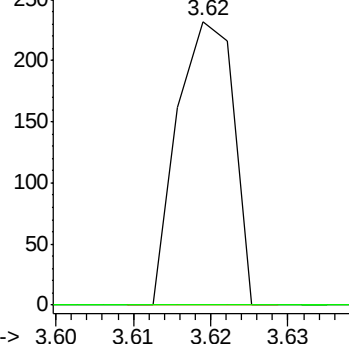
56 100

55 0.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 5.603 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055321.D

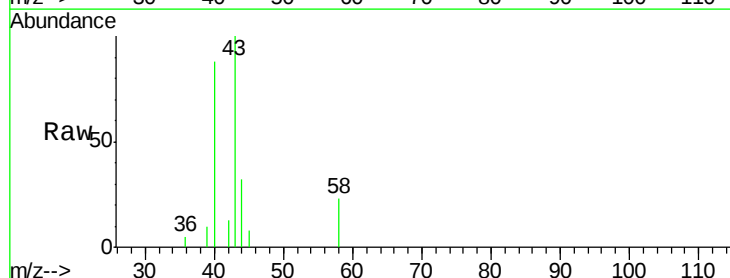
Acq: 1 May 2019 11:46

Tgt Ion: 43 Resp: 7843

Ion Ratio Lower Upper

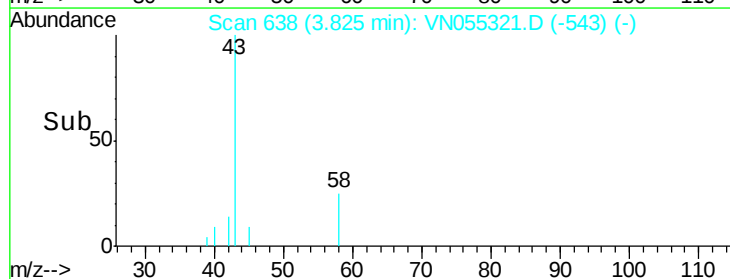
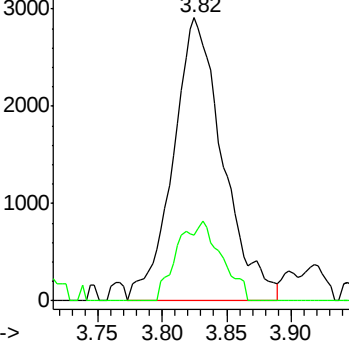
43 100

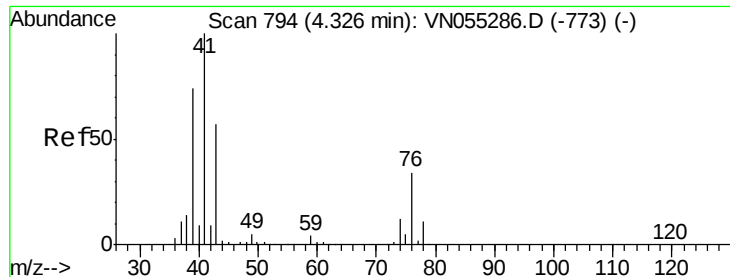
58 23.3 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 0.570 ug/l

RT: 4.34 min Scan# 799

Delta R.T. 0.02 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

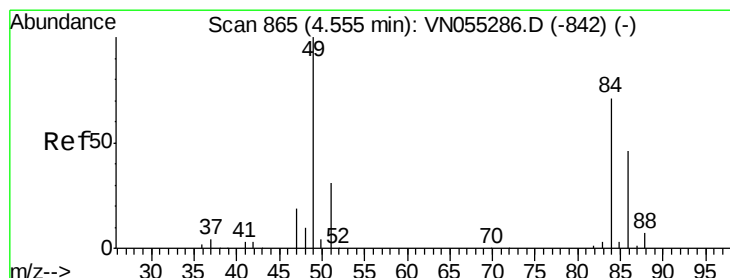
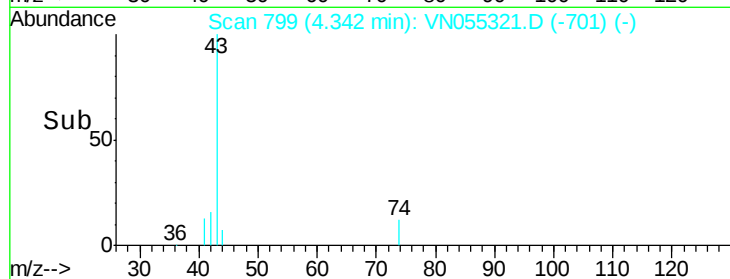
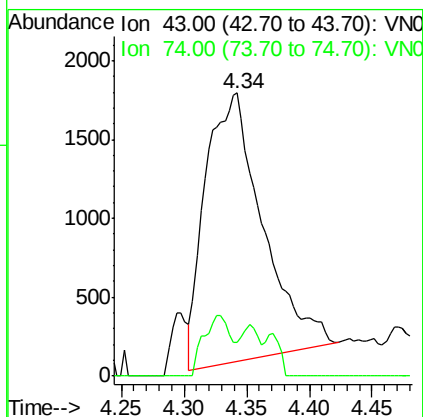
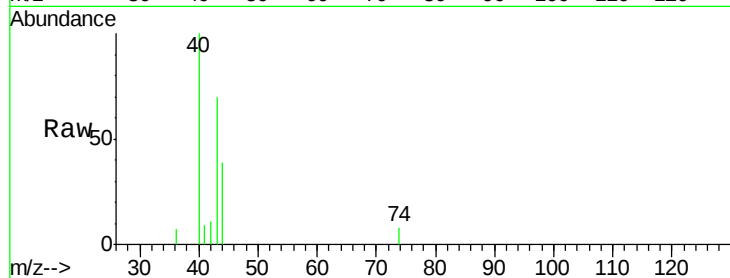
PB119347TB

Tot Ion: 43 Resp: 5434

Ion Ratio Lower Upper

43 100

74 5.7 15.8 23.8#



#20

Methylene Chloride

Concen: 1.615 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Tgt Ion: 84 Resp: 6900

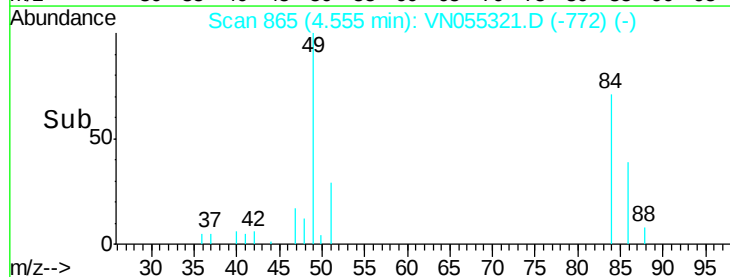
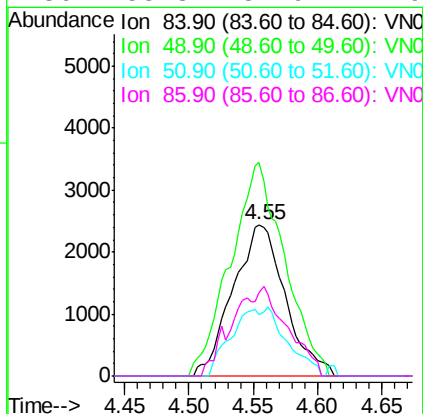
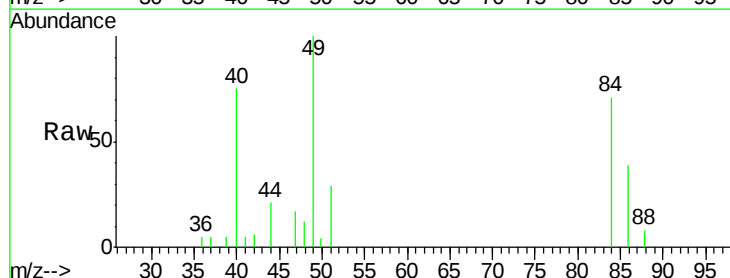
Ion Ratio Lower Upper

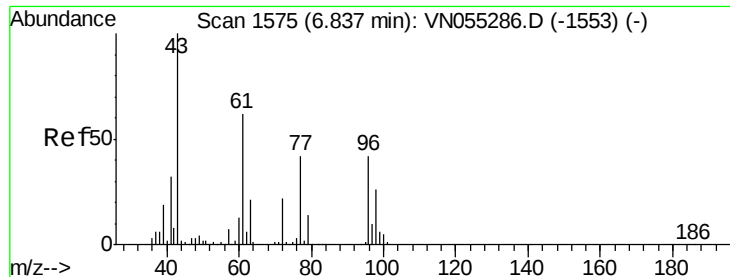
84 100

49 141.3 112.4 168.6

51 41.0 34.6 51.8

86 55.3 51.9 77.9

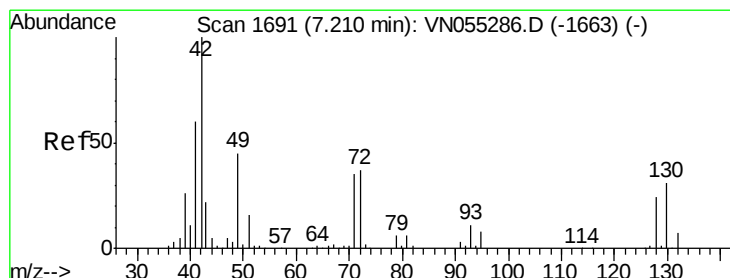
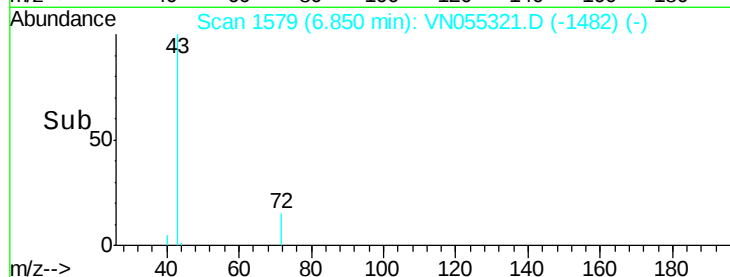
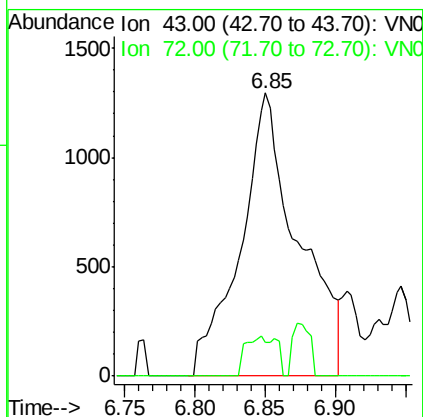
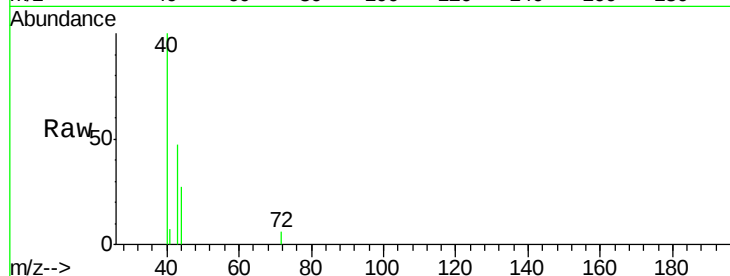




#25
 2-Butanone
 Concen: 2.058 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VN055321.D
 Acq: 1 May 2019 11:46

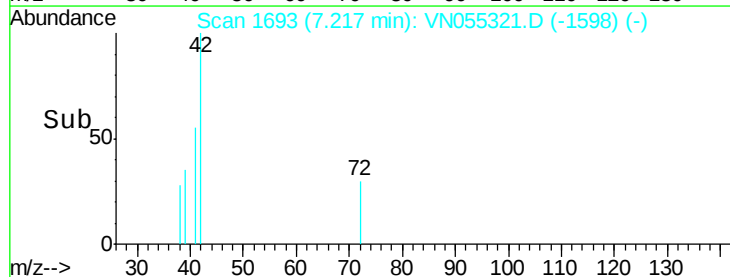
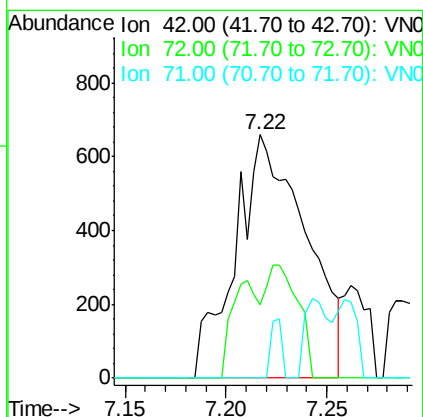
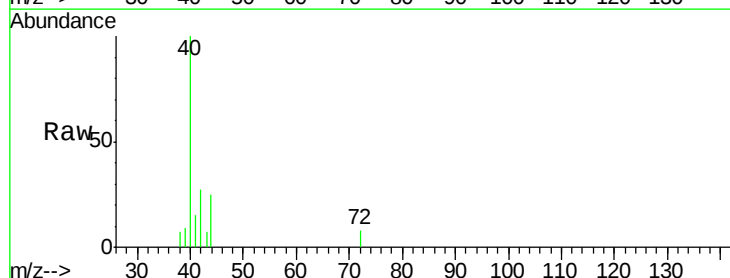
Instrument :
 MSVOA_N
 ClientSampled :
 PB119347TB

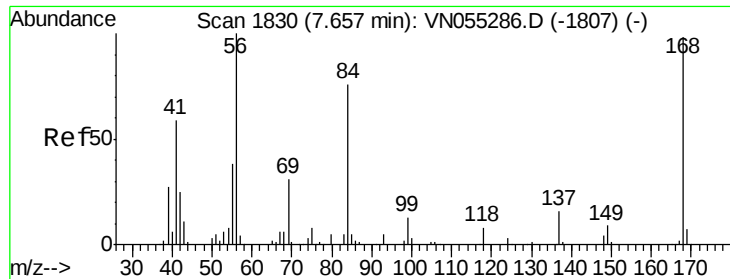
Tot Ion: 43 Resp: 3684
 Ion Ratio Lower Upper
 43 100
 72 12.0 18.0 27.0#



#29
 Tetrahydrofuran
 Concen: 1.403 ug/l
 RT: 7.22 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: VN055321.D
 Acq: 1 May 2019 11:46

Tgt Ion: 42 Resp: 1608
 Ion Ratio Lower Upper
 42 100
 72 15.7 29.0 43.6#
 71 0.0 27.1 40.7#

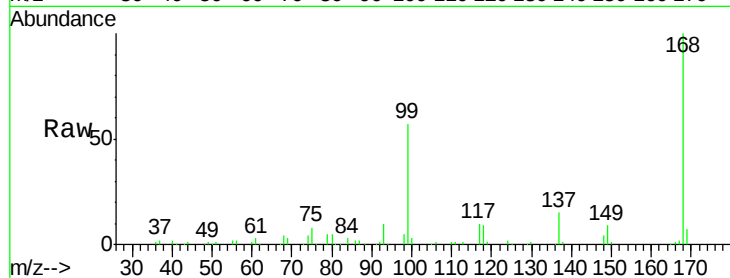




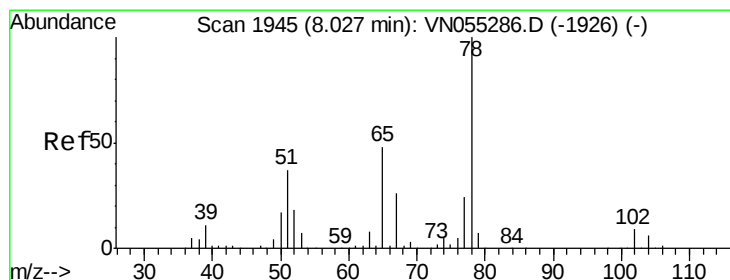
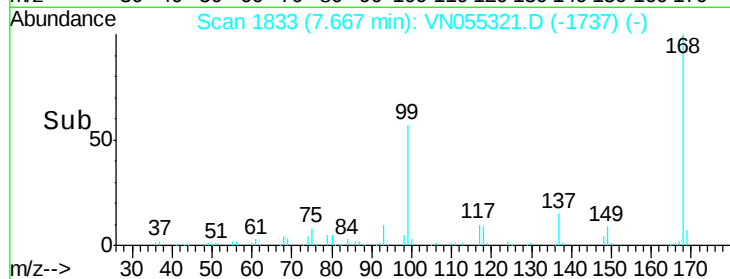
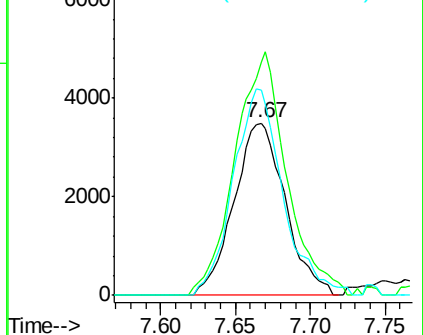
#31
Cyclohexane
Concen: 1.181 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055321.D
Acq: 1 May 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
PB119347TB

Tot Ion: 56 Resp: 8346
Ion Ratio Lower Upper
56 100
69 135.8 25.2 37.8#
84 119.0 61.1 91.7#

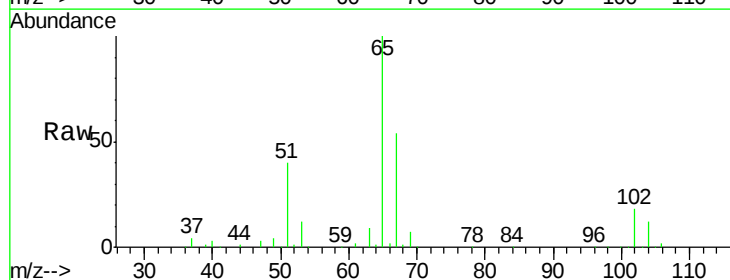


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

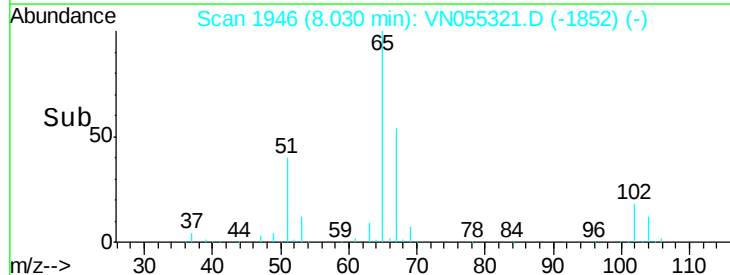
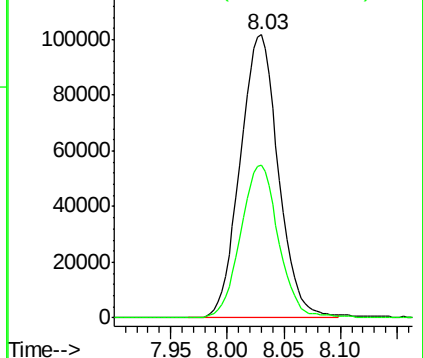


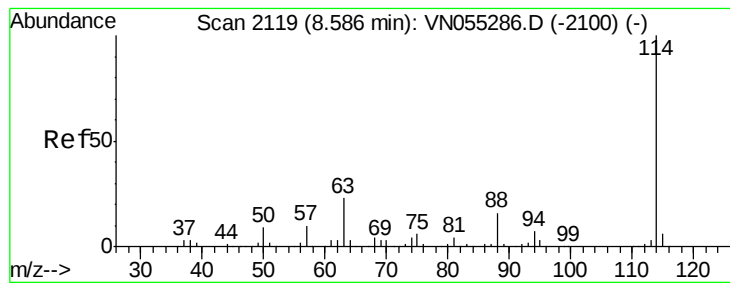
#33
1,2-Dichloroethane-d4
Concen: 53.237 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN055321.D
Acq: 1 May 2019 11:46

Tgt Ion: 65 Resp: 239177
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

PB119347TB

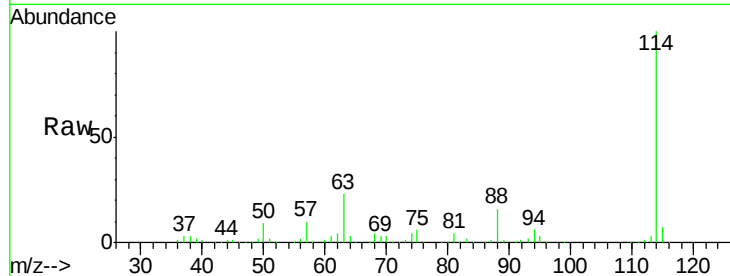
Tot Ion:114 Resp: 591130

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.2

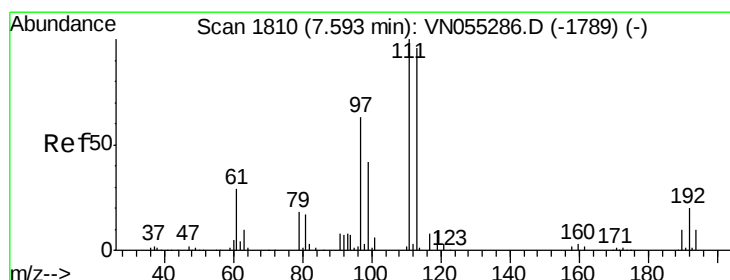
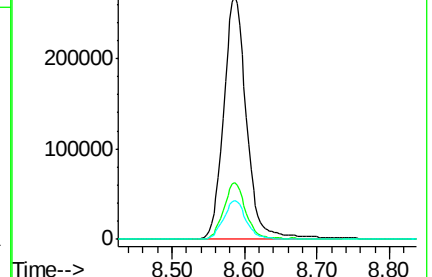
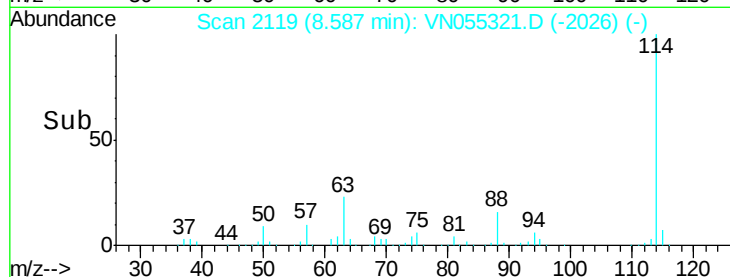
88 16.0 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 49.650 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

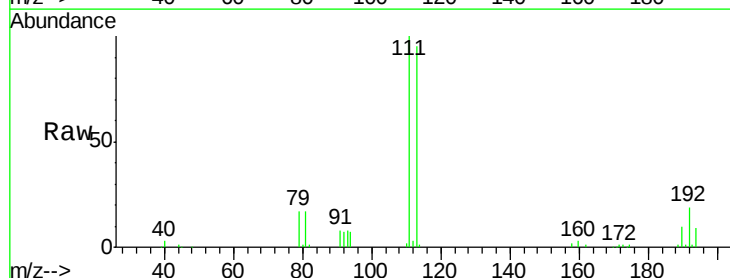
Tgt Ion:113 Resp: 192642

Ion Ratio Lower Upper

113 100

111 104.3 82.3 123.5

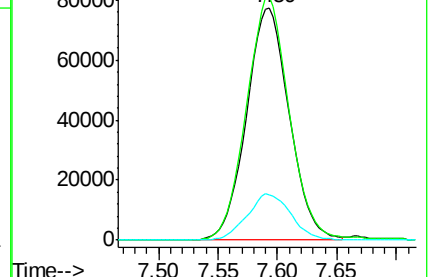
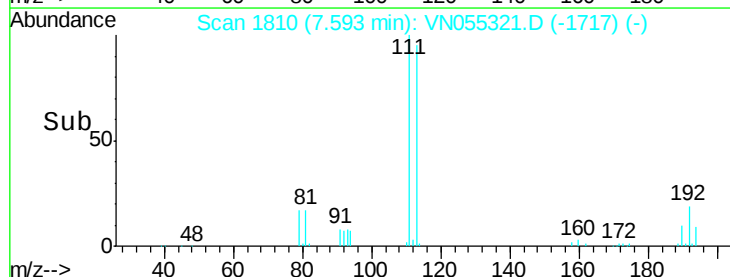
192 20.4 17.0 25.6

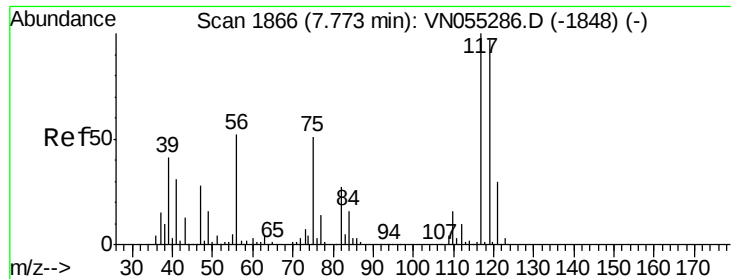


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.068 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

PB119347TB

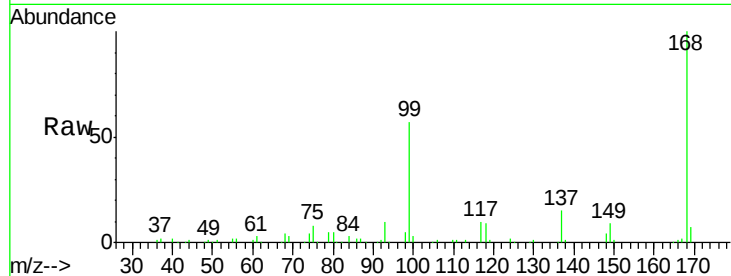
Tot Ion:117 Resp: 33144

Ion Ratio Lower Upper

117 100

119 5.2 77.0 115.6#

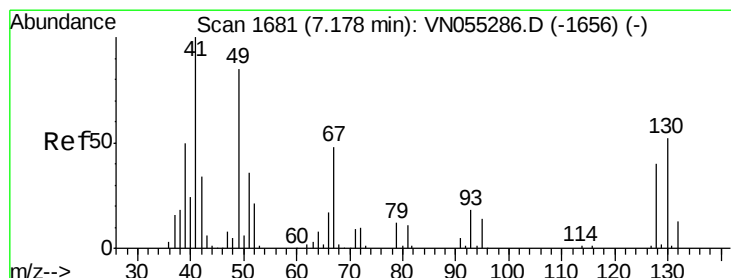
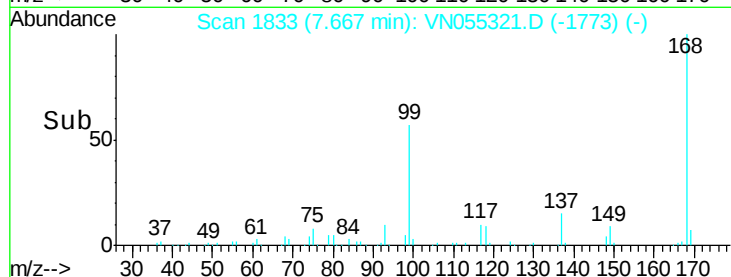
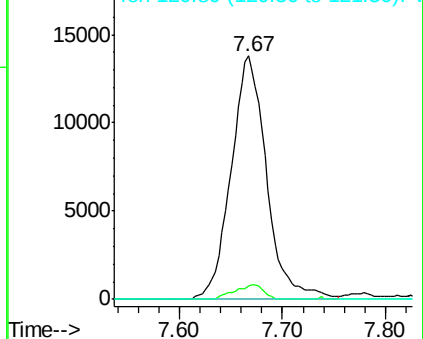
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.784 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.02 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Tgt Ion: 41 Resp: 105

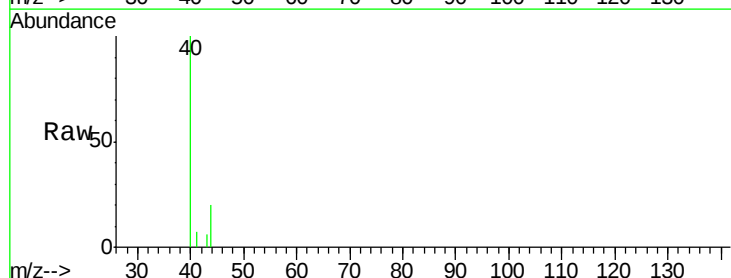
Ion Ratio Lower Upper

41 100

39 323.8 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#

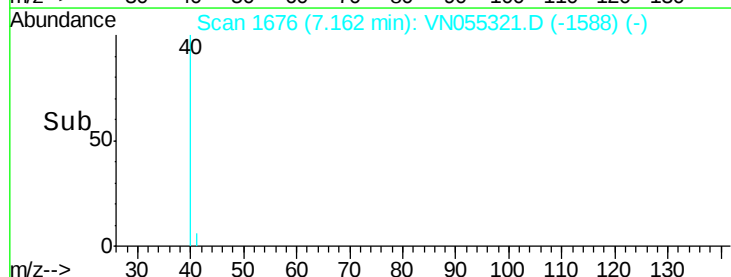
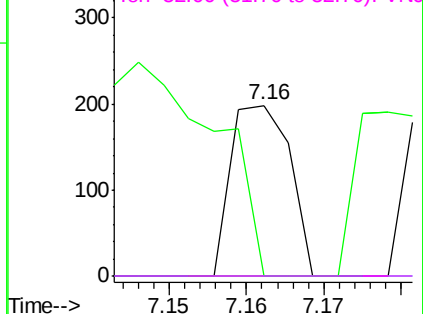


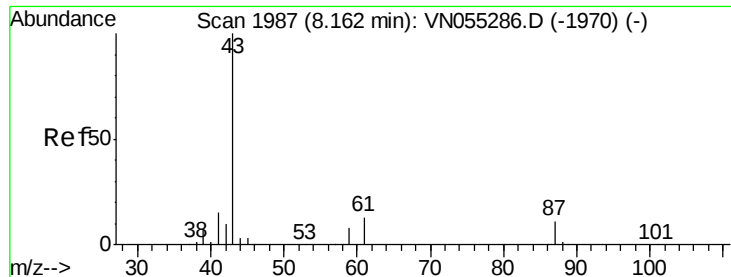
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 2.462 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

PB119347TB

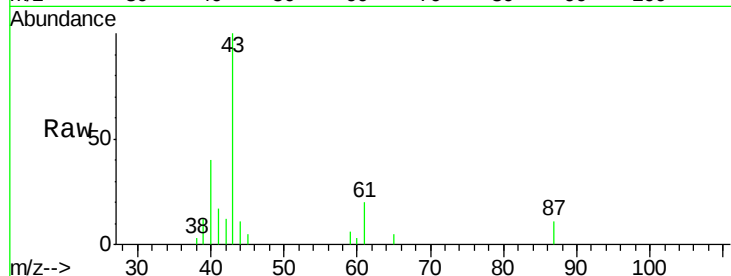
Tot Ion: 43 Resp: 17172

Ion Ratio Lower Upper

43 100

61 18.7 20.8 31.2#

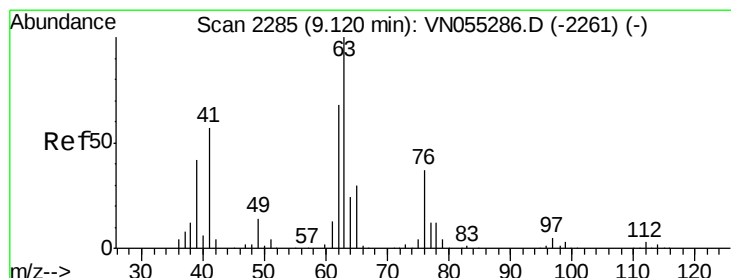
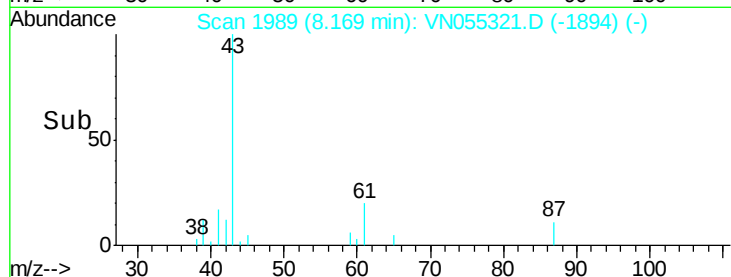
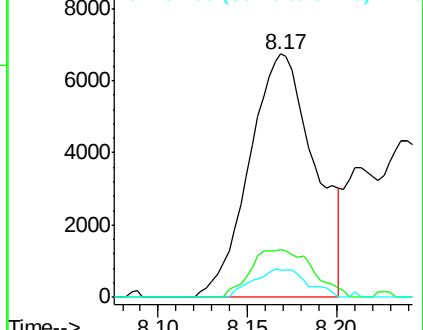
87 9.6 8.5 12.7



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: 0.301 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.14 min

Lab File: VN055321.D

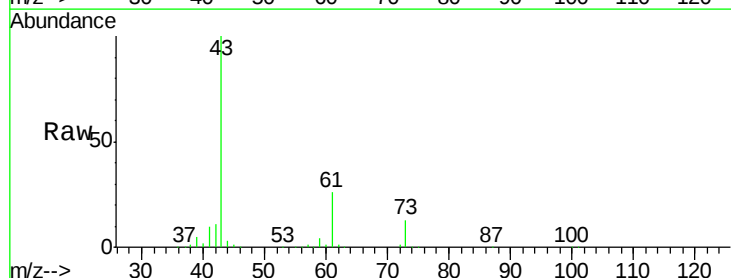
Acq: 1 May 2019 11:46

Tgt Ion: 63 Resp: 1448

Ion Ratio Lower Upper

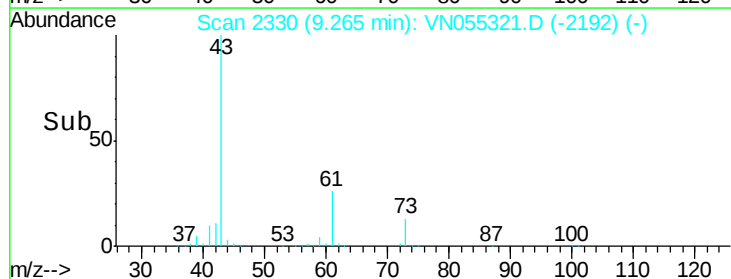
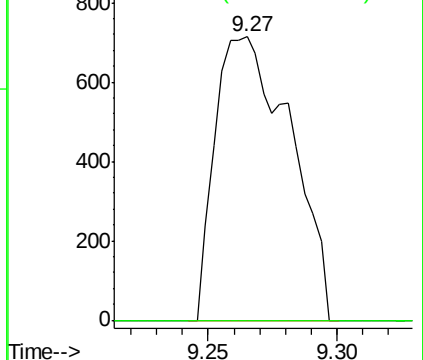
63 100

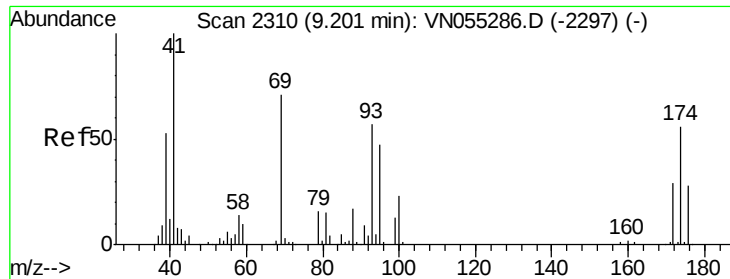
65 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

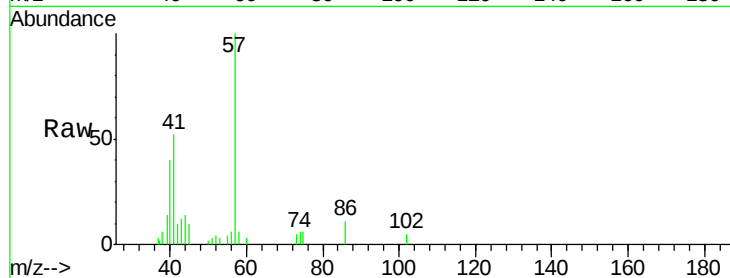




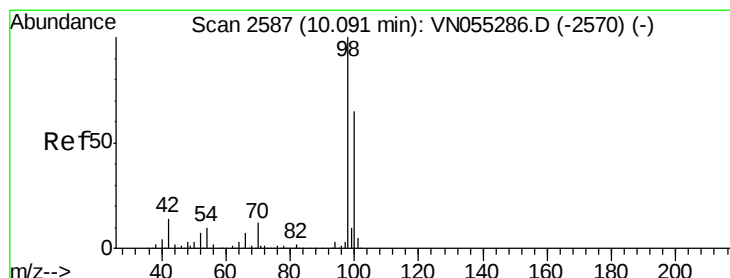
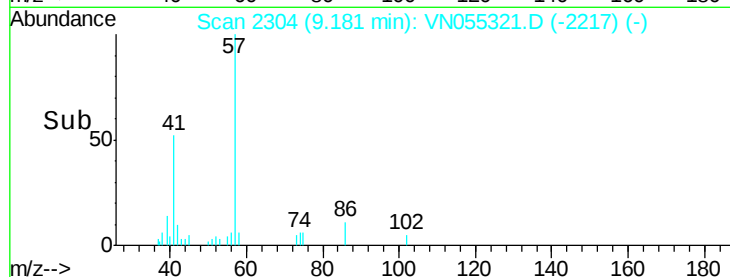
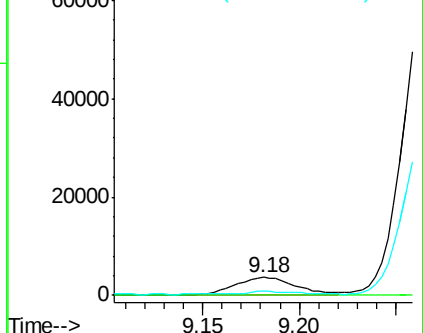
#48
Methyl methacrylate
Concen: 2.380 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN055321.D
Acq: 1 May 2019 11:46

Instrument :
MSVOA_N
ClientSampled :
PB119347TB

Tot Ion: 41 Resp: 8160
Ion Ratio Lower Upper
41 100
69 0.0 58.6 87.8#
39 0.0 43.8 65.6#

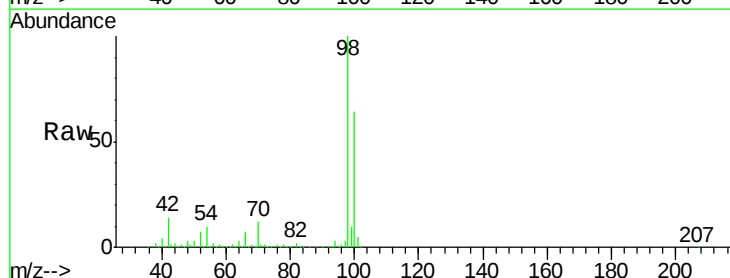


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

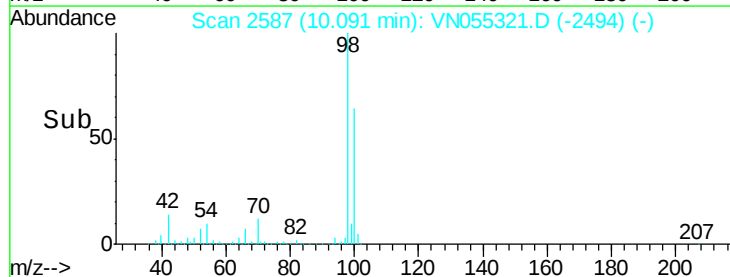
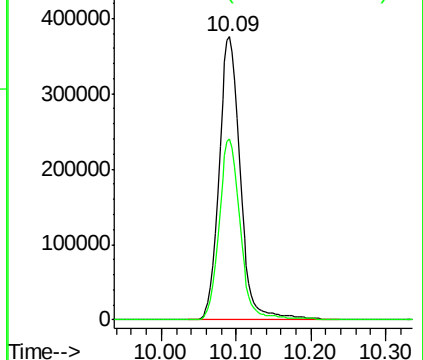


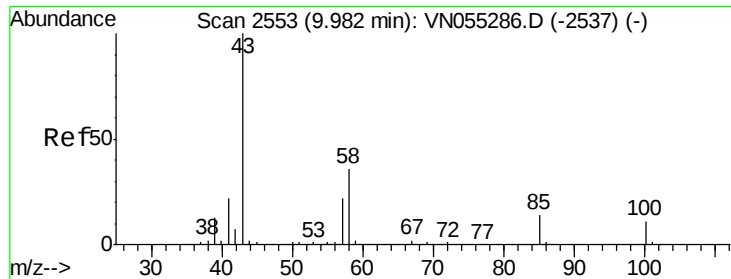
#50
Toluene-d8
Concen: 52.731 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055321.D
Acq: 1 May 2019 11:46

Tgt Ion: 98 Resp: 738768
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



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: 1.150 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

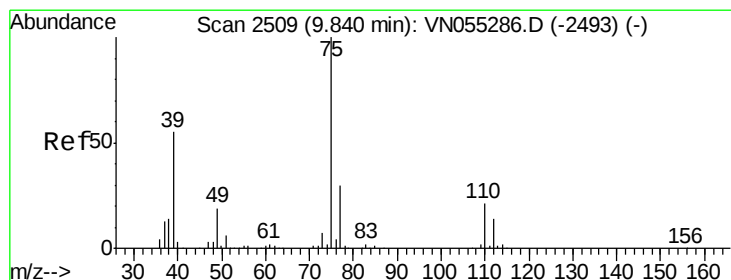
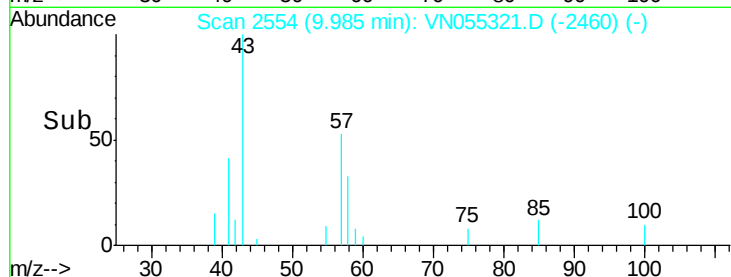
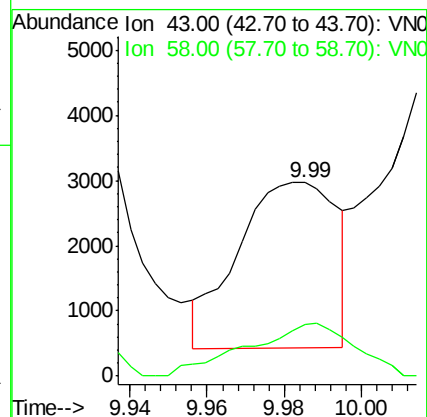
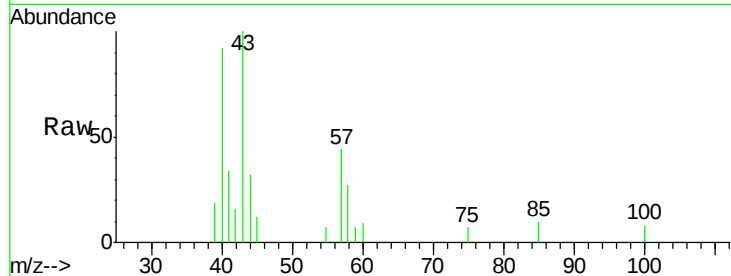
PB119347TB

Tot Ion: 43 Resp: 4515

Ion Ratio Lower Upper

43 100

58 34.5 28.5 42.7



#54

cis-1,3-Dichloropropene

Concen: 8.862 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

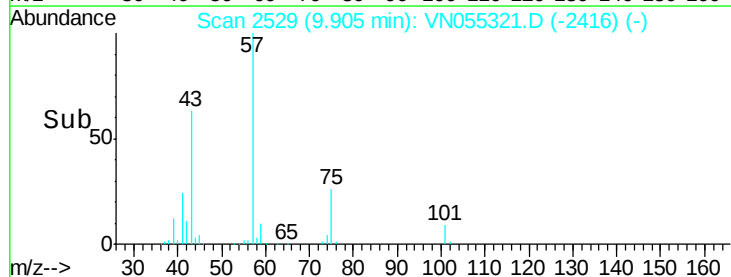
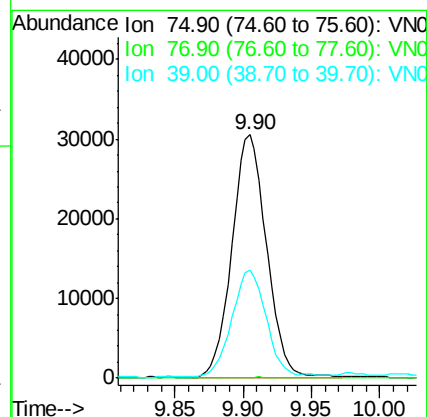
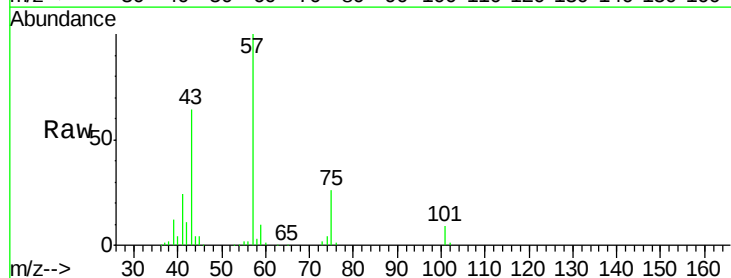
Tgt Ion: 75 Resp: 54148

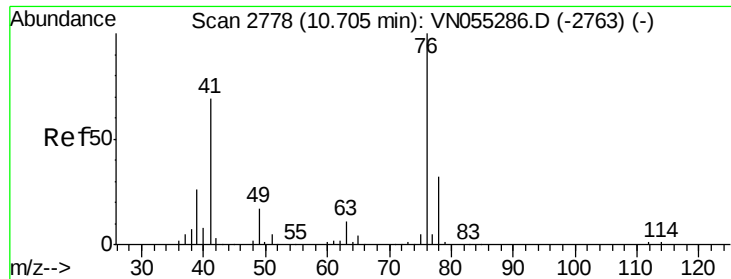
Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#

39 43.7 44.2 66.2#





#57

1,3-Dichloropropane

Concen: 1.731 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

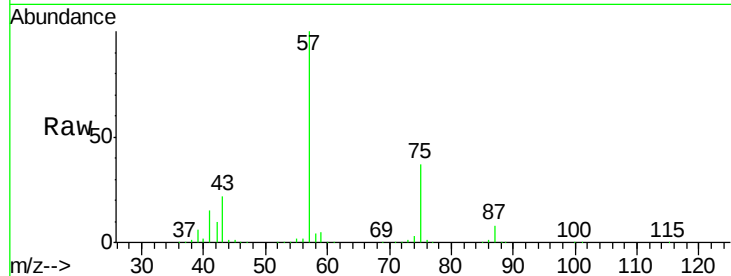
PB119347TB

Tot Ion: 76 Resp: 10797

Ion Ratio Lower Upper

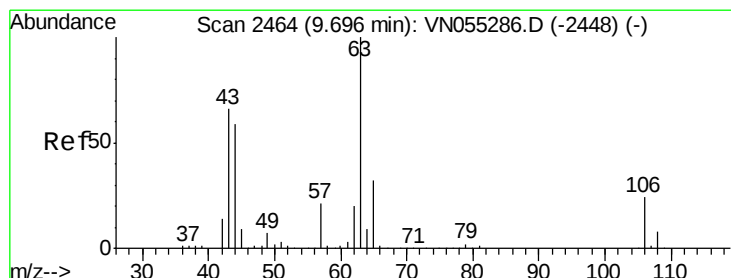
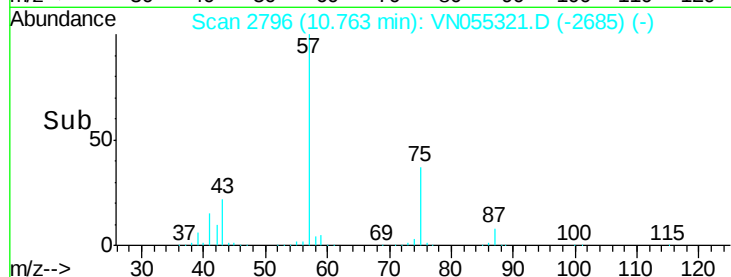
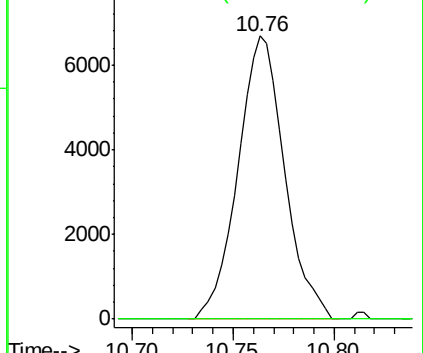
76 100

78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 12.428 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055321.D

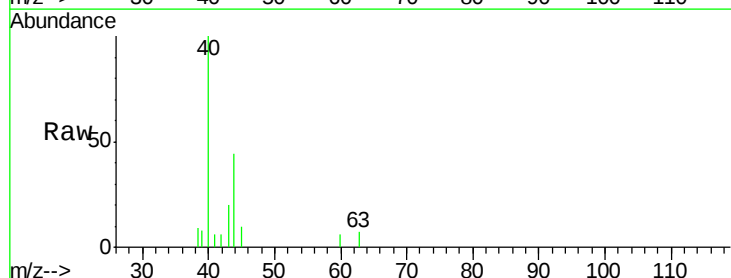
Acq: 1 May 2019 11:46

Tgt Ion: 63 Resp: 33

Ion Ratio Lower Upper

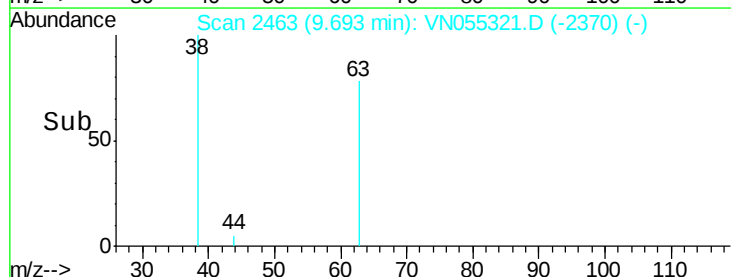
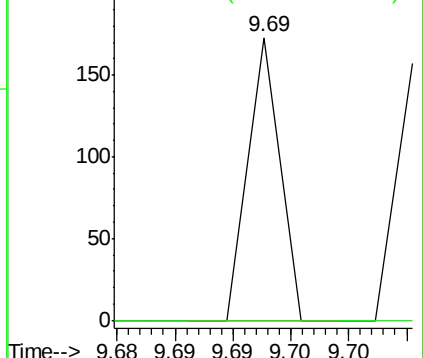
63 100

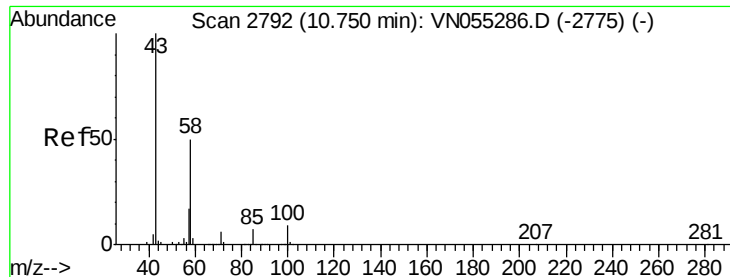
106 0.0 19.0 28.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

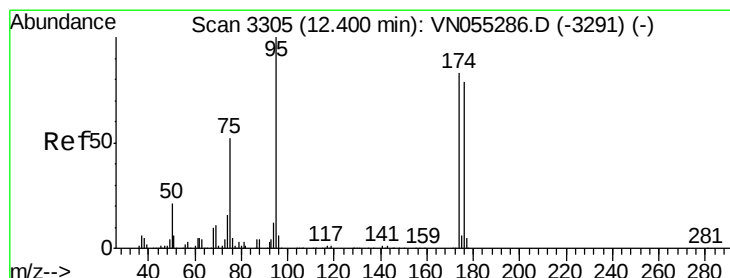
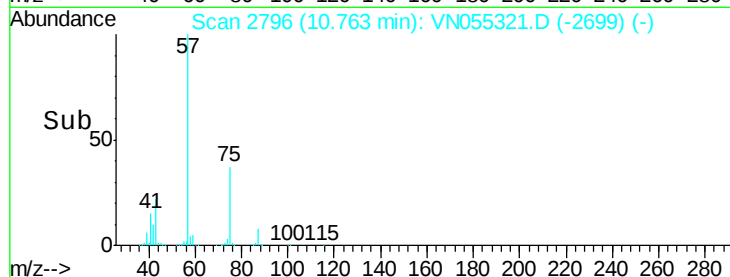
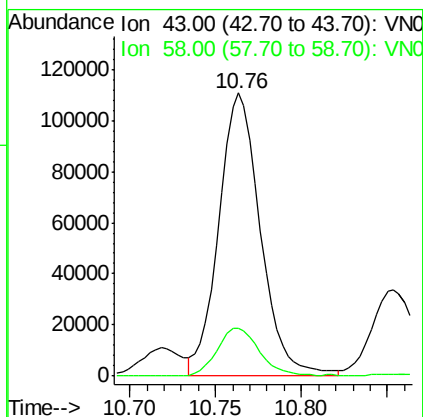
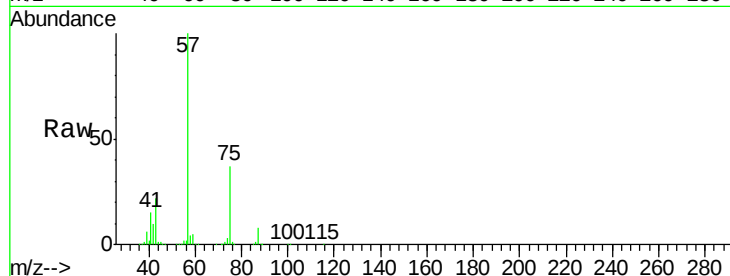




#59
2-Hexanone
Concen: 75.339 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN055321.D
Acq: 1 May 2019 11:46

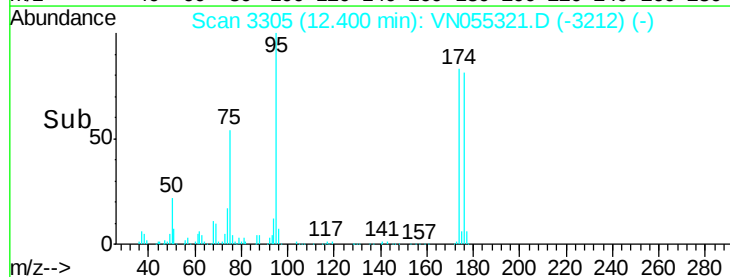
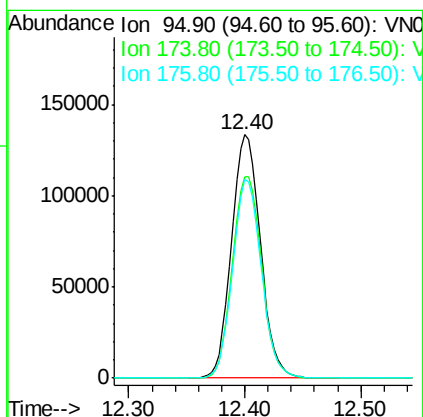
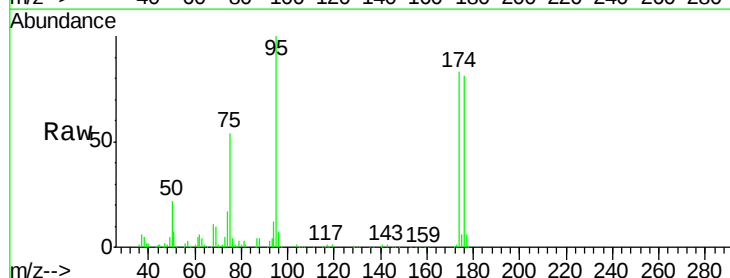
Instrument :
MSVOA_N
ClientSampleId :
PB119347TB

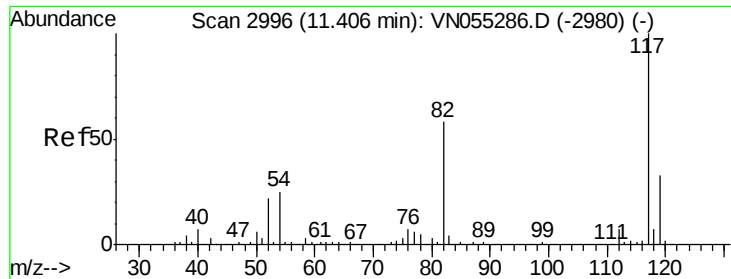
Tot Ion: 43 Resp: 185085
Ion Ratio Lower Upper
43 100
58 17.5 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 52.323 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055321.D
Acq: 1 May 2019 11:46

Tgt Ion: 95 Resp: 229104
Ion Ratio Lower Upper
95 100
174 84.2 0.0 166.6
176 81.1 0.0 157.8

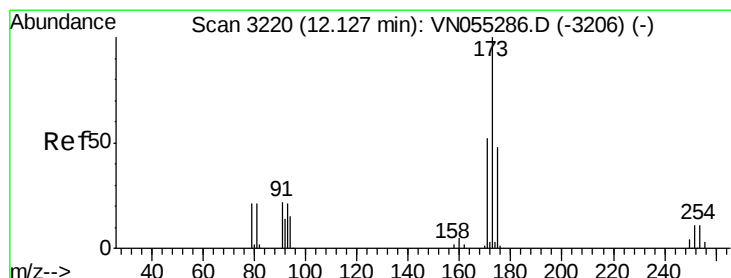
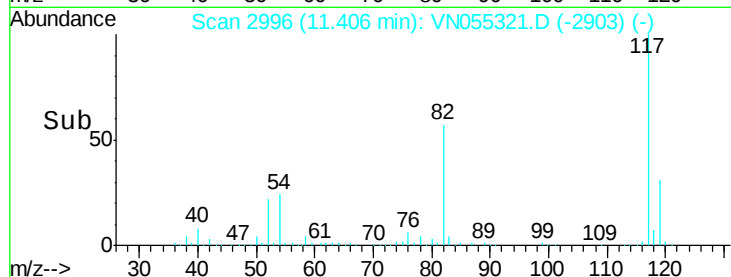
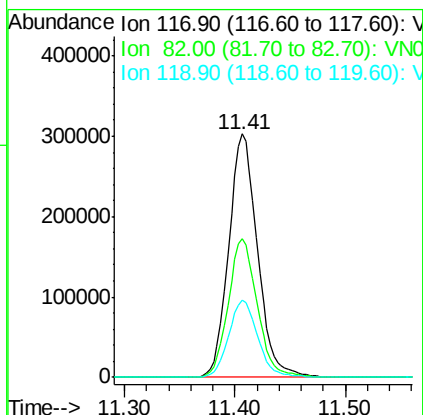
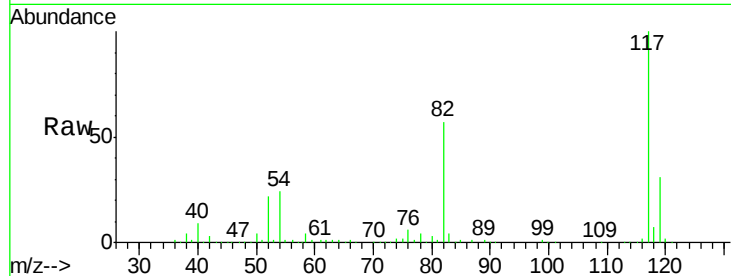




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055321.D
Acq: 1 May 2019 11:46

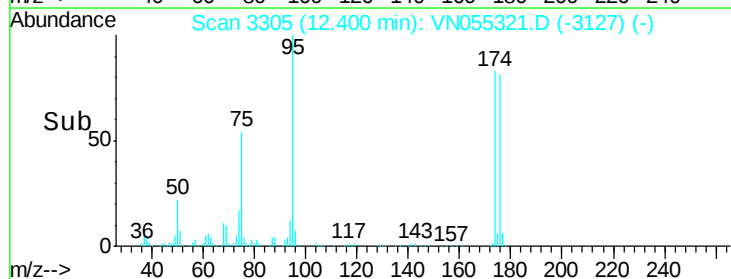
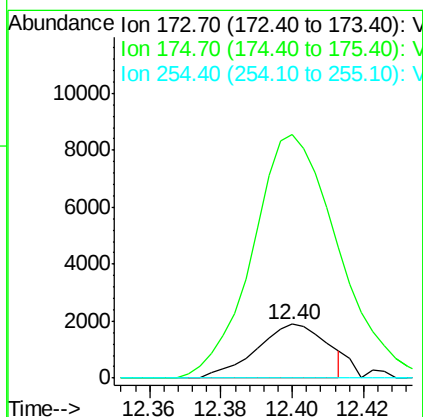
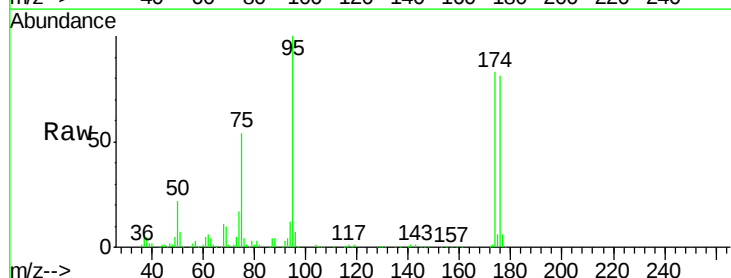
Instrument :
MSVOA_N
ClientSampleId :
PB119347TB

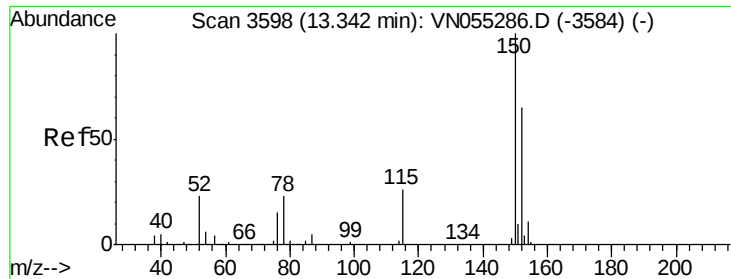
Tot Ion:117 Resp: 547809
Ion Ratio Lower Upper
117 100
82 56.9 46.2 69.4
119 31.5 26.6 40.0



#71
Bromoform
Concen: 1.105 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055321.D
Acq: 1 May 2019 11:46

Tgt Ion:173 Resp: 2572
Ion Ratio Lower Upper
173 100
175 478.6 23.6 71.0#
254 0.0 0.0 0.0



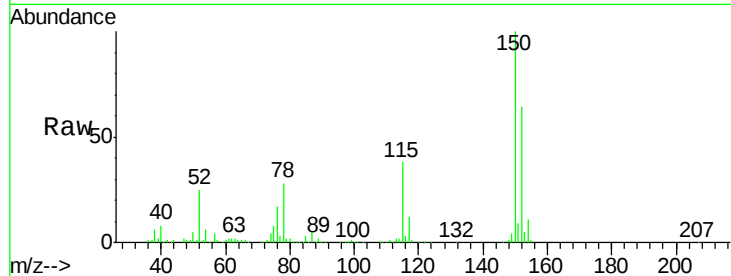


#72

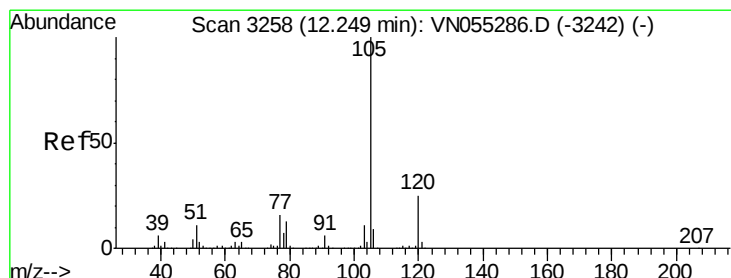
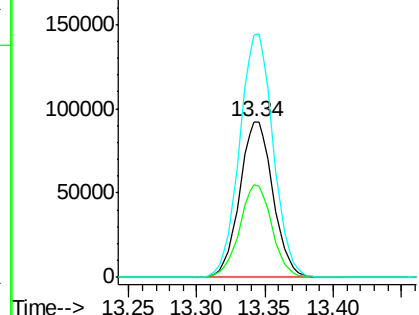
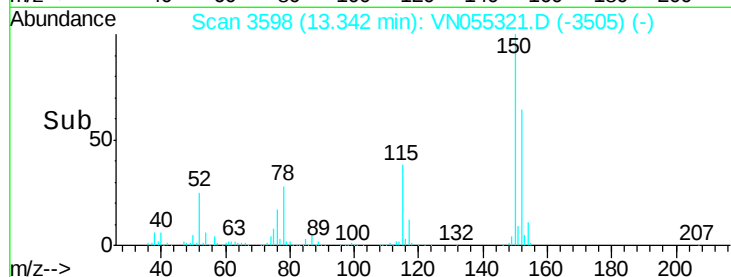
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055321.D
Acq: 1 May 2019 11:46

Instrument :
MSVOA_N
ClientSampled :
PB119347TB

Tot Ion:152 Resp: 156371
Ion Ratio Lower Upper
152 100
115 57.7 29.0 87.0
150 158.0 0.0 345.6



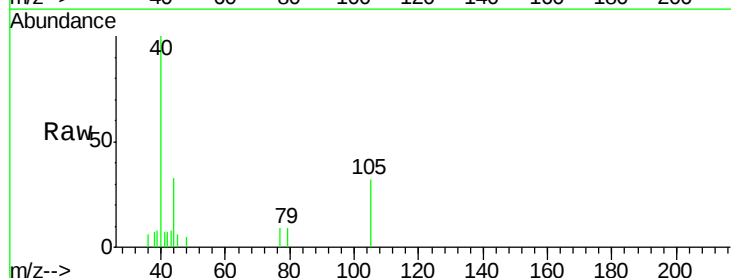
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



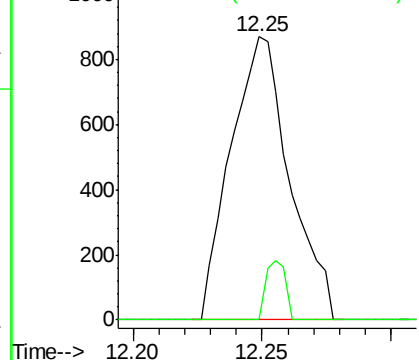
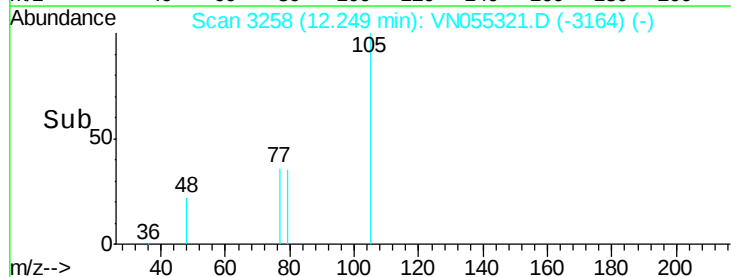
#73

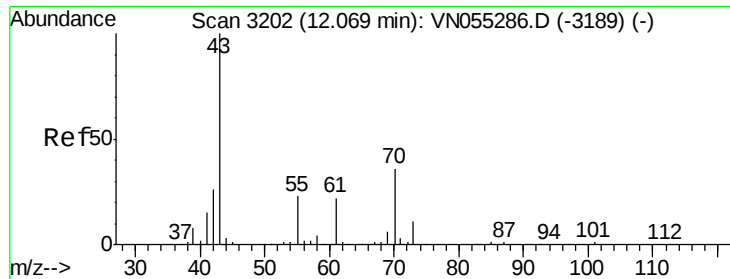
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055321.D
Acq: 1 May 2019 11:46

Tgt Ion:105 Resp: 1384
Ion Ratio Lower Upper
105 100
120 7.0 12.9 38.7#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.414 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

PB119347TB

Tot Ion: 43 Resp: 1661

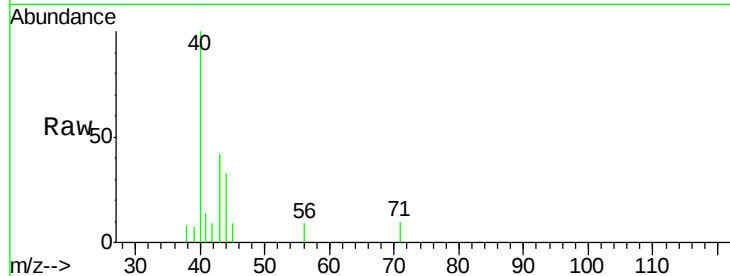
Ion Ratio Lower Upper

43 100

70 17.8 27.9 41.9#

55 12.0 18.2 27.2#

61 4.0 16.9 25.3#

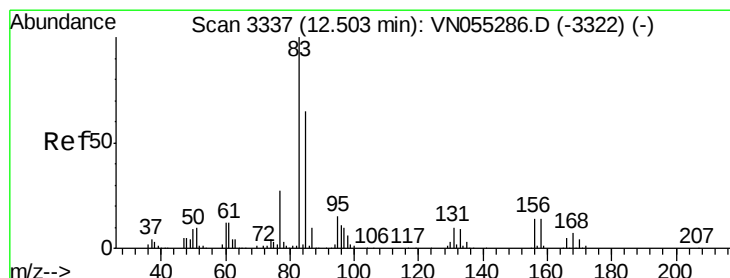
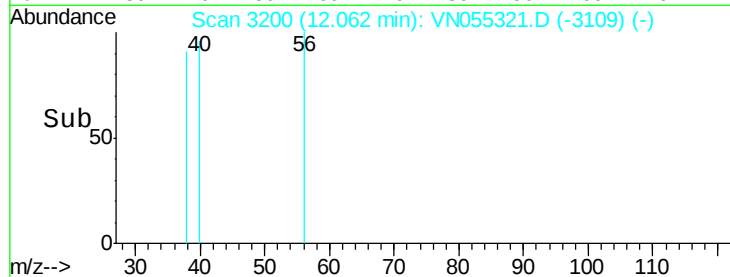
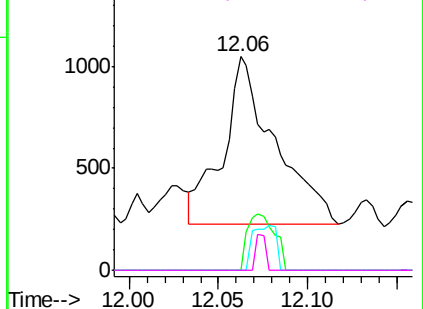


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3335

Delta R.T. -0.01 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

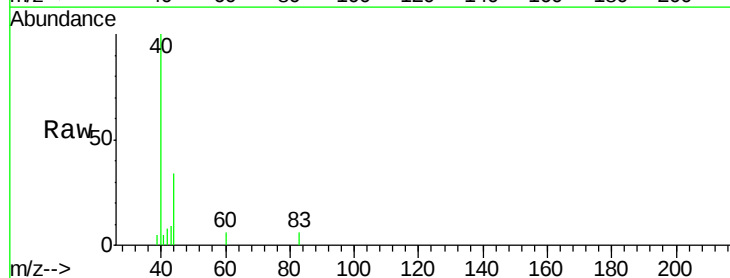
Tgt Ion: 83 Resp: 107

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

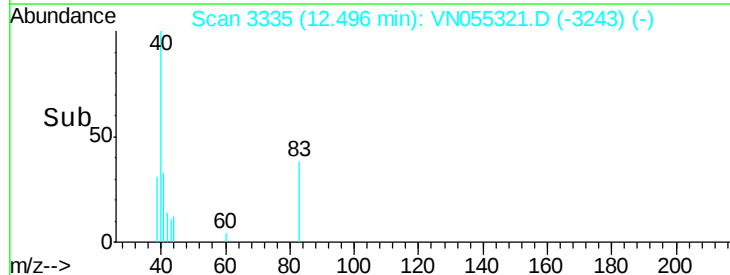
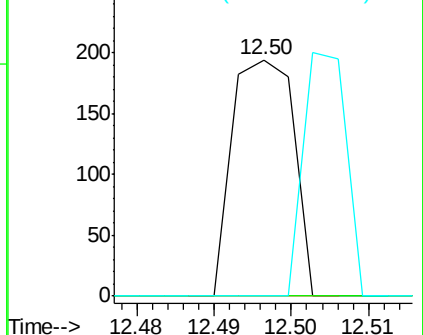
85 71.0 32.3 96.8

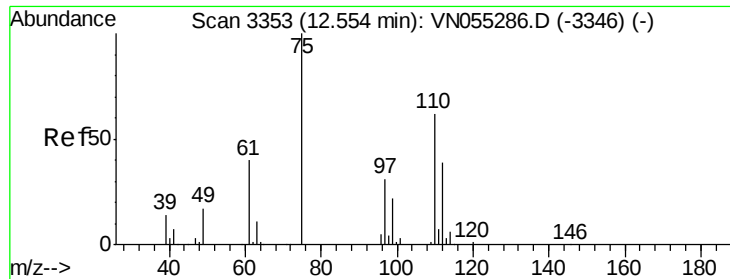


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 40.724 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

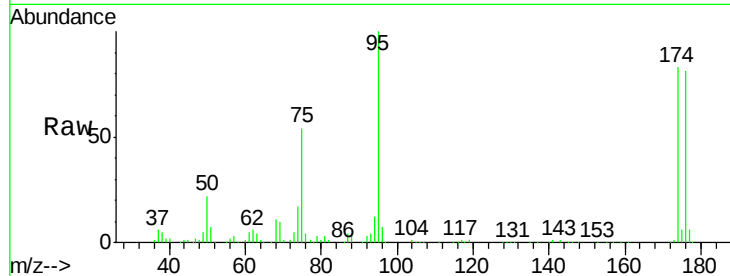
PB119347TB

Tot Ion: 75 Resp: 119723

Ion Ratio Lower Upper

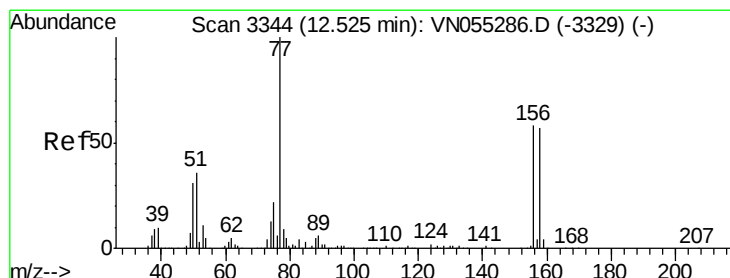
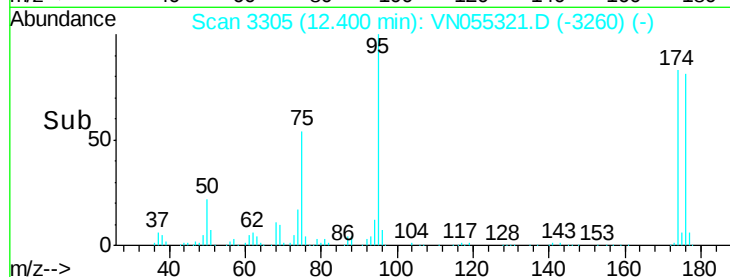
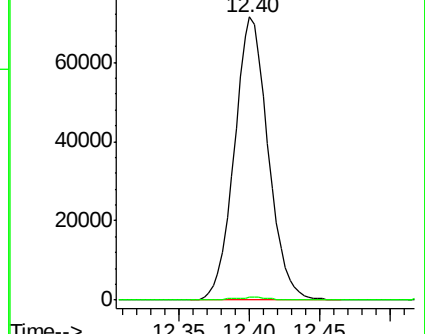
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN055321.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055321.D (-3260) (-)



#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

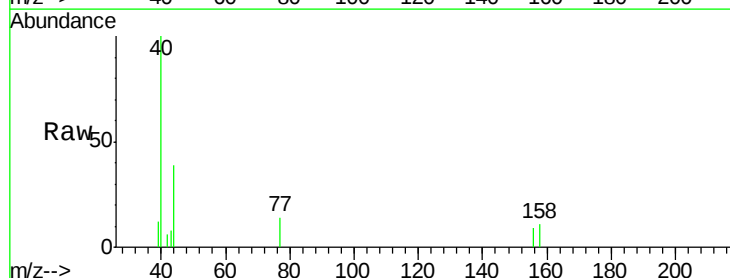
Tgt Ion: 156 Resp: 231

Ion Ratio Lower Upper

156 100

77 345.9 99.6 298.8#

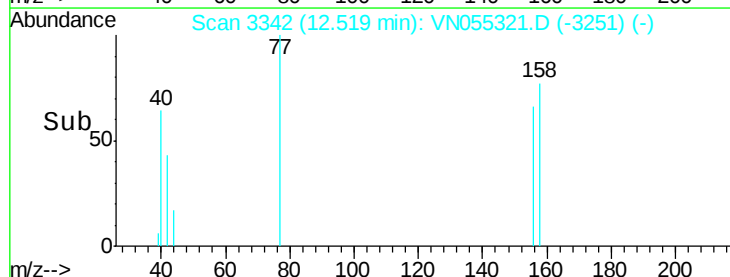
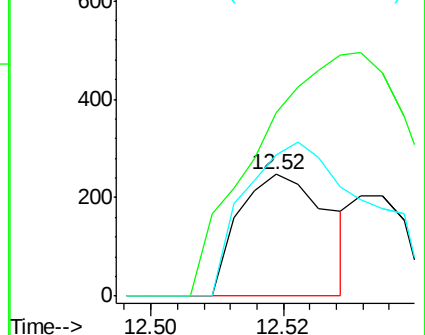
158 172.7 49.3 147.8#

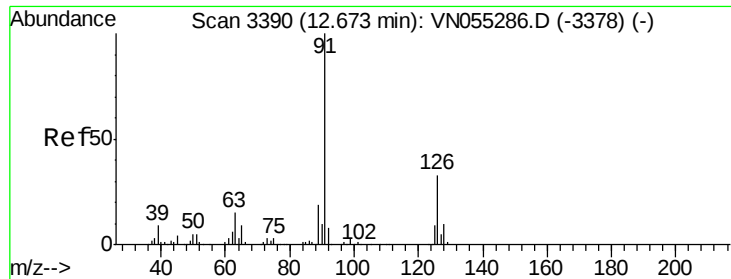


Abundance Ion 155.80 (155.50 to 156.50): VN055321.D (-3251) (-)

Ion 77.00 (76.70 to 77.70): VN055321.D (-3251) (-)

Ion 157.80 (157.50 to 158.50): VN055321.D (-3251) (-)





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

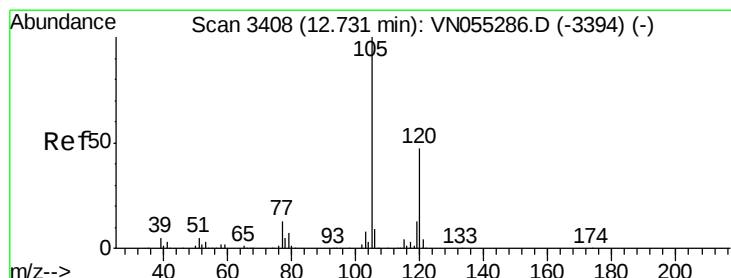
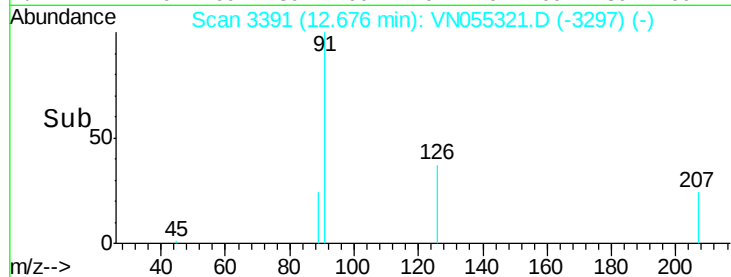
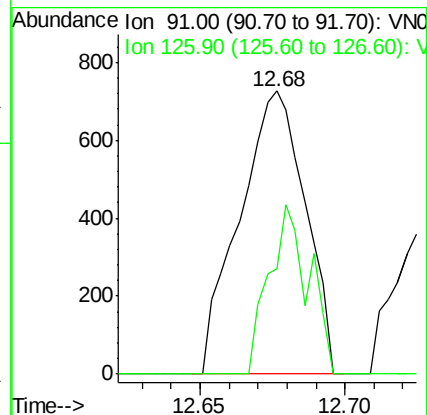
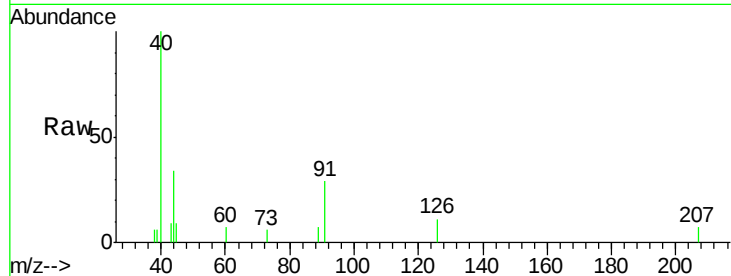
PB119347TB

Tot Ion: 91 Resp: 1143

Ion Ratio Lower Upper

91 100

126 36.3 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 0.485 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055321.D

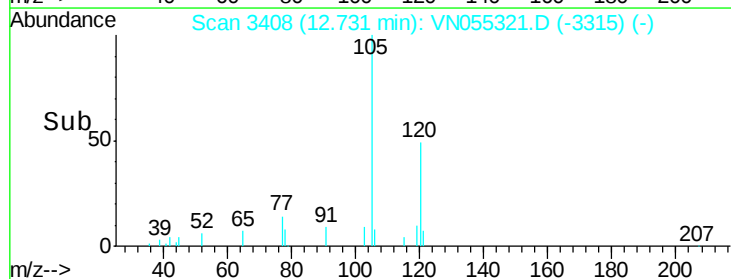
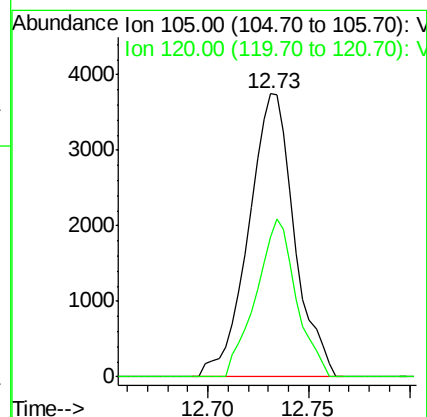
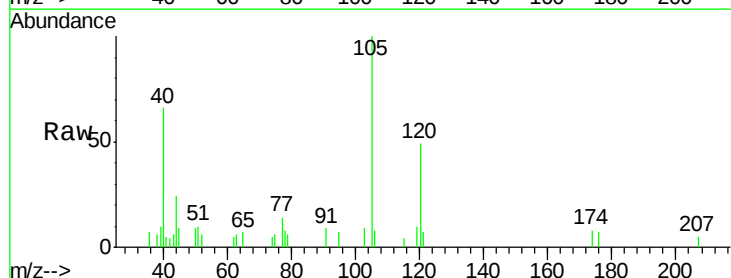
Acq: 1 May 2019 11:46

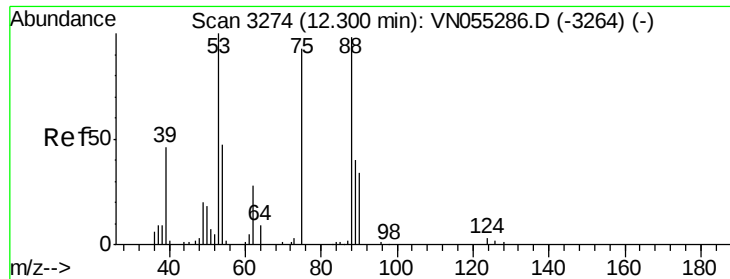
Tgt Ion: 105 Resp: 5946

Ion Ratio Lower Upper

105 100

120 48.7 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 145.093 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

PB119347TB

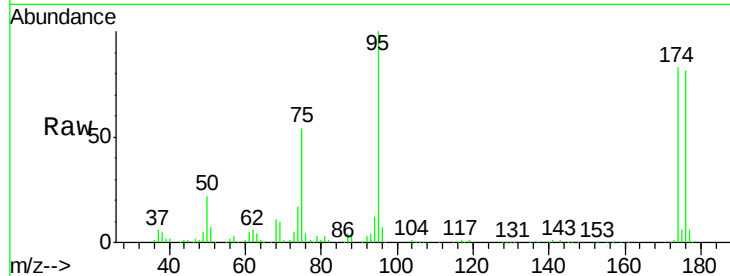
Tot Ion: 75 Resp: 119723

Ion Ratio Lower Upper

75 100

53 0.1 86.3 129.5#

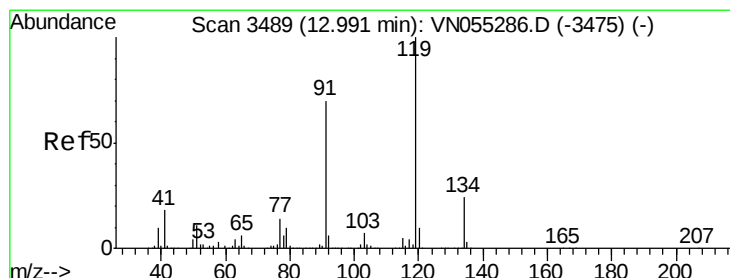
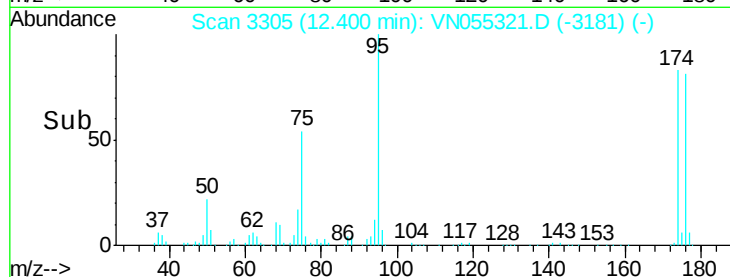
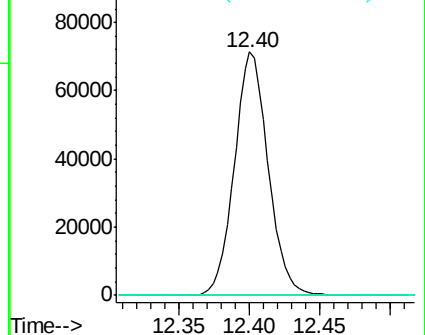
89 0.0 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055321.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN055321.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN055321.D (-3305) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

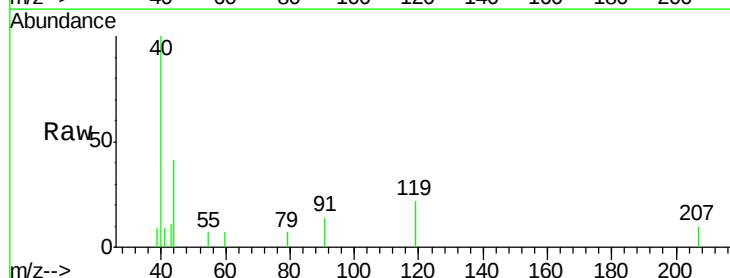
Tgt Ion: 119 Resp: 761

Ion Ratio Lower Upper

119 100

91 78.2 34.3 102.9

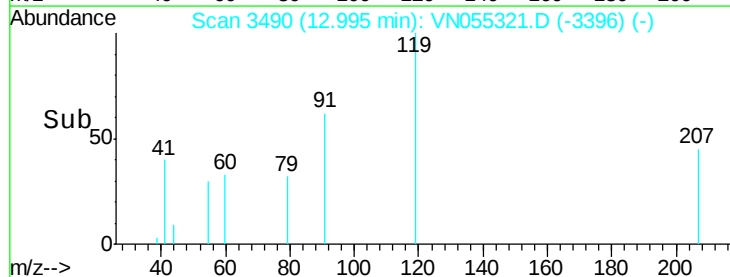
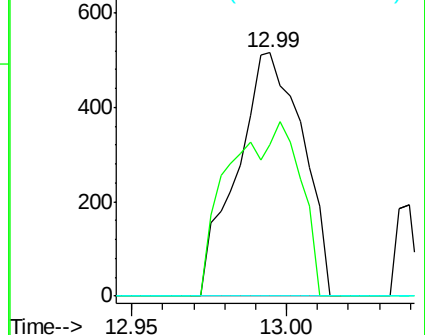
134 0.0 13.1 39.3#

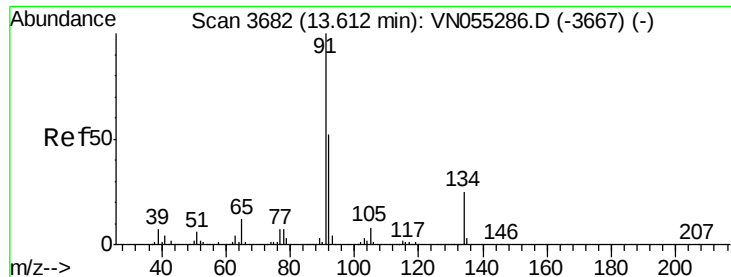


Abundance Ion 119.00 (118.70 to 119.70): VN055321.D (-3490) (-)

Ion 91.00 (90.70 to 91.70): VN055321.D (-3490) (-)

Ion 134.00 (133.70 to 134.70): VN055321.D (-3490) (-)





#89

n-Butylbenzene

Concen: 0.335 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

PB119347TB

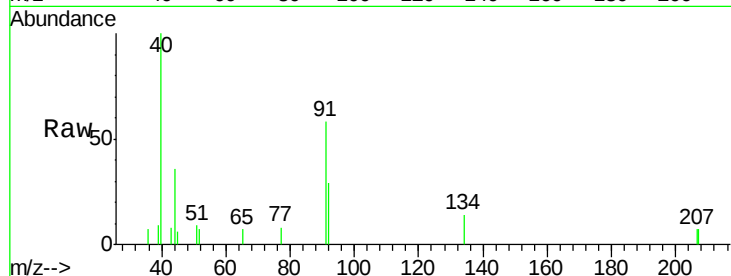
Tot Ion: 91 Resp: 2608

Ion Ratio Lower Upper

91 100

92 45.4 26.1 78.3

134 20.9 12.4 37.4

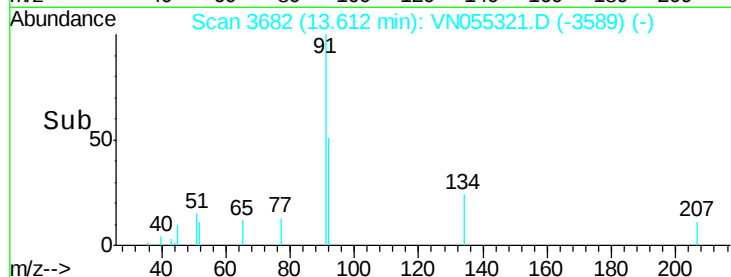


Abundance Ion 91.00 (90.70 to 91.70): VN055321.D (-3589) (-)

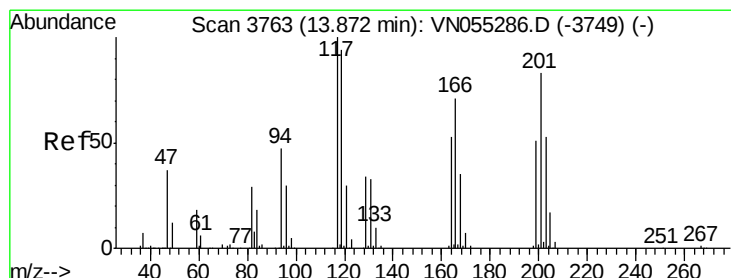
Ion 92.00 (91.70 to 92.70): VN055321.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN055321.D (-3589) (-)

Time-->



Time-->



#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN055321.D

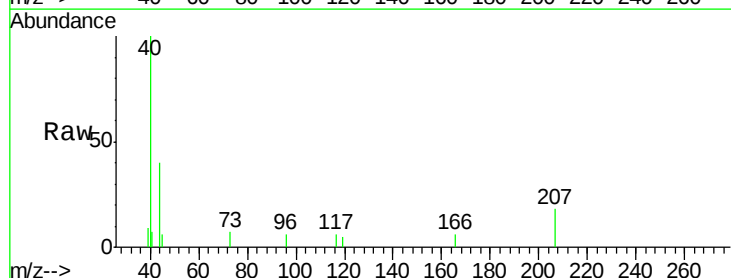
Acq: 1 May 2019 11:46

Tgt Ion: 117 Resp: 102

Ion Ratio Lower Upper

117 100

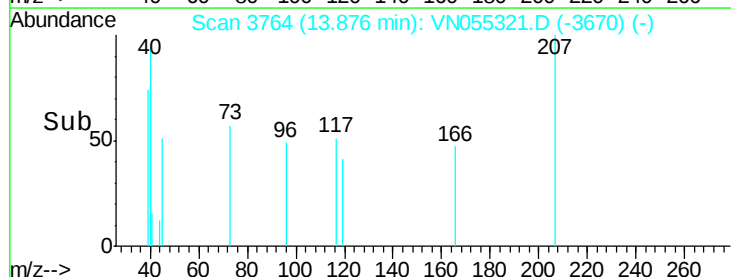
201 0.0 41.9 125.8#



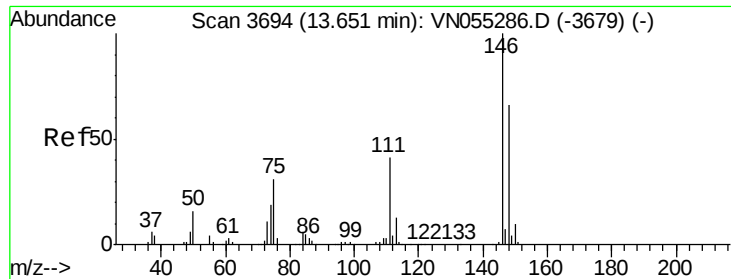
Abundance Ion 116.80 (116.50 to 117.50): VN055321.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN055321.D (-3670) (-)

Time-->



Time-->



#91

1,2-Dichlorobenzene

Concen: 0.210 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

PB119347TB

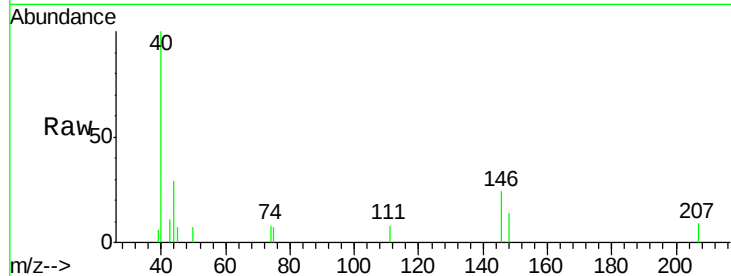
Tot Ion:146 Resp: 1091

Ion Ratio Lower Upper

146 100

111 28.0 20.3 61.0

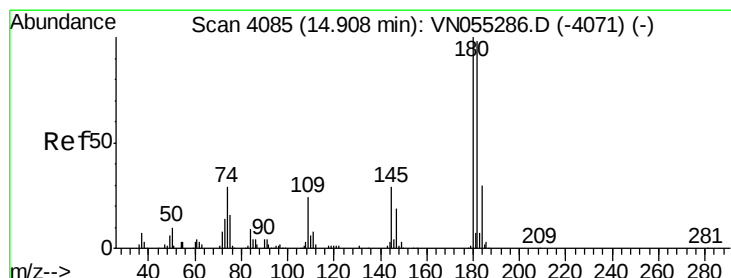
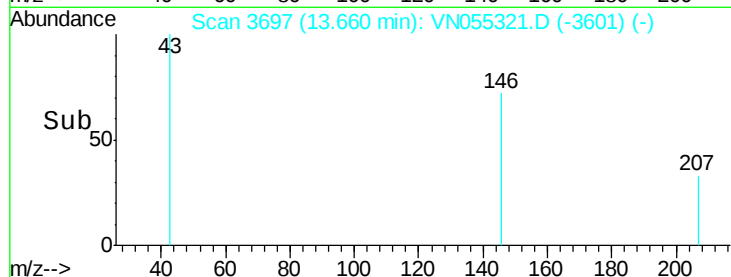
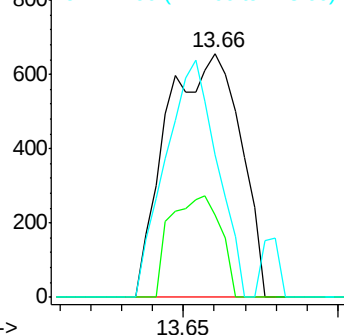
148 68.0 32.4 97.2



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



#93

1,2,4-Trichlorobenzene

Concen: 3.787 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

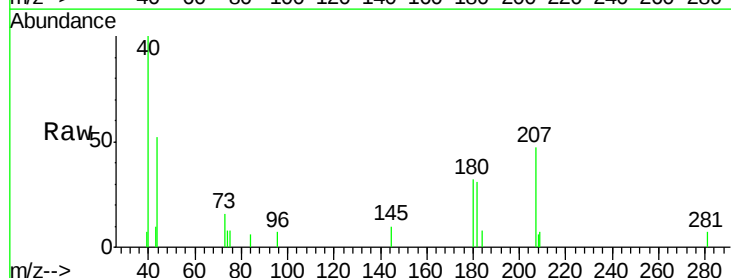
Tgt Ion:180 Resp: 1044

Ion Ratio Lower Upper

180 100

182 105.3 48.3 144.9

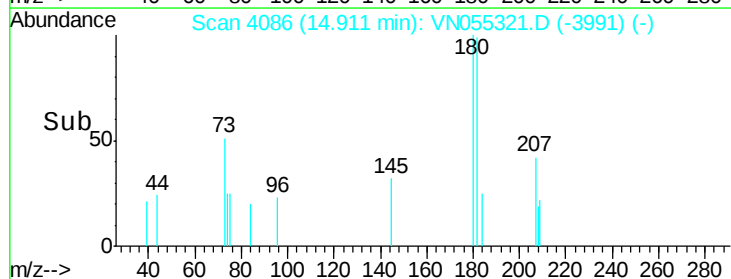
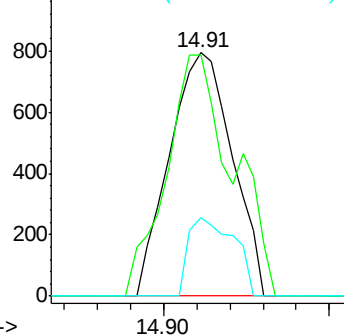
145 23.5 14.2 42.6

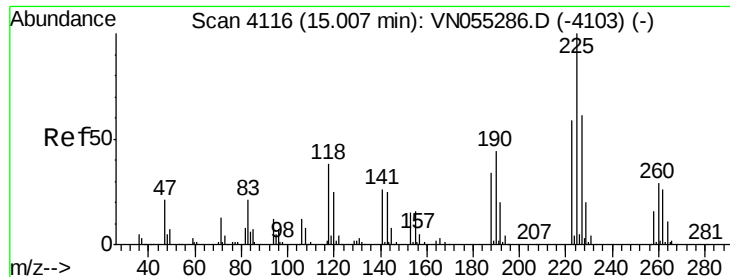


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

PB119347TB

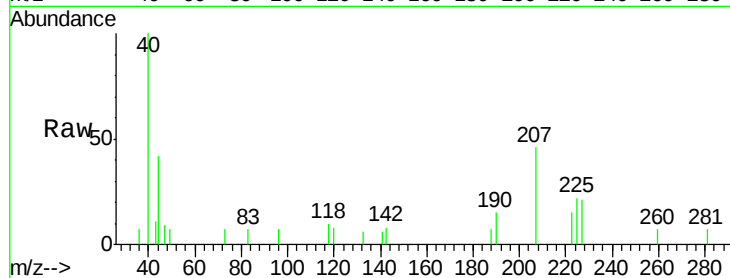
Tot Ion:225 Resp: 846

Ion Ratio Lower Upper

225 100

223 54.0 30.3 90.8

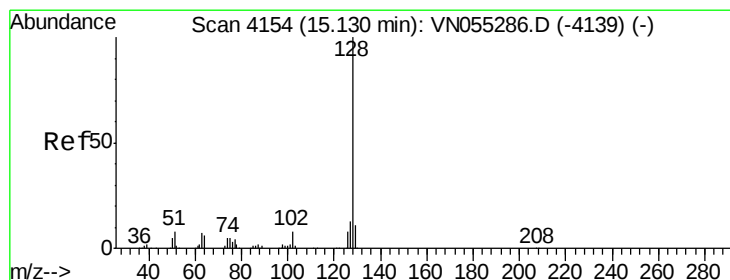
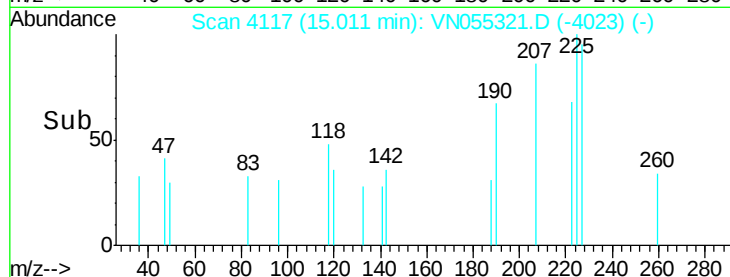
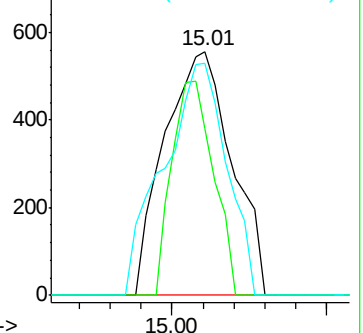
227 89.4 30.9 92.7



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: 3.973 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055321.D

Acq: 1 May 2019 11:46

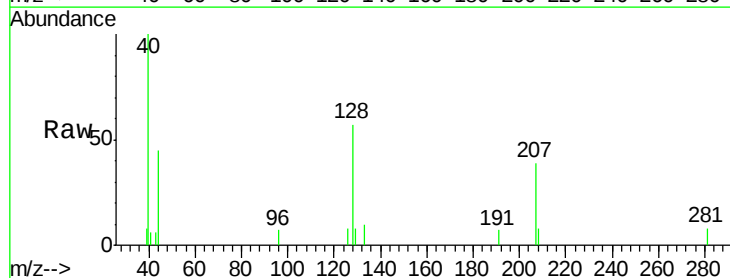
Tgt Ion:128 Resp: 3002

Ion Ratio Lower Upper

128 100

127 8.7 10.7 16.1#

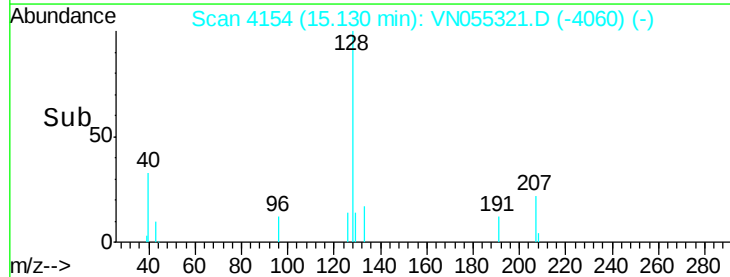
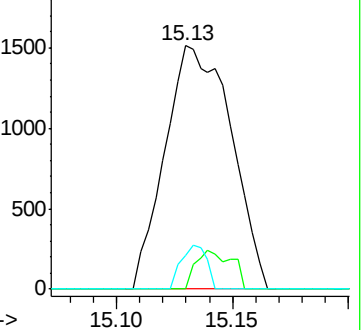
129 7.0 8.6 13.0#

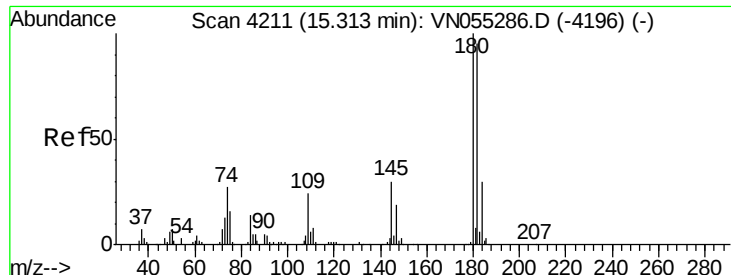


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

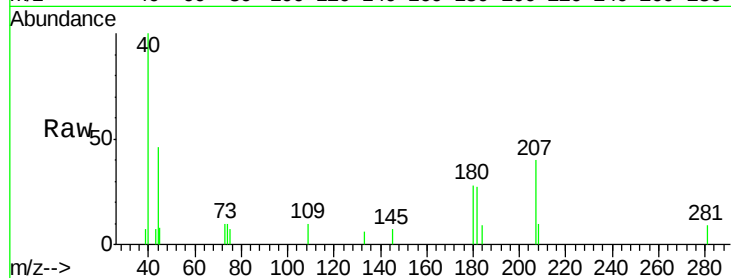




#96
 1,2,3-Trichlorobenzene
 Concen: 3.178 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055321.D
 Acq: 1 May 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB119347TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.3	144.9
145	29.7	15.2	45.6



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

