

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055351.D
 Acq On : 2 May 2019 15:54
 Operator : JC/SP
 Sample : K2658-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: May 03 01:54:18 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	345415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	595111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	530480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149759	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	244115	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	
35) Dibromofluoromethane	7.59	113	191802	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	10.09	98	724458	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.40	95	222337	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	

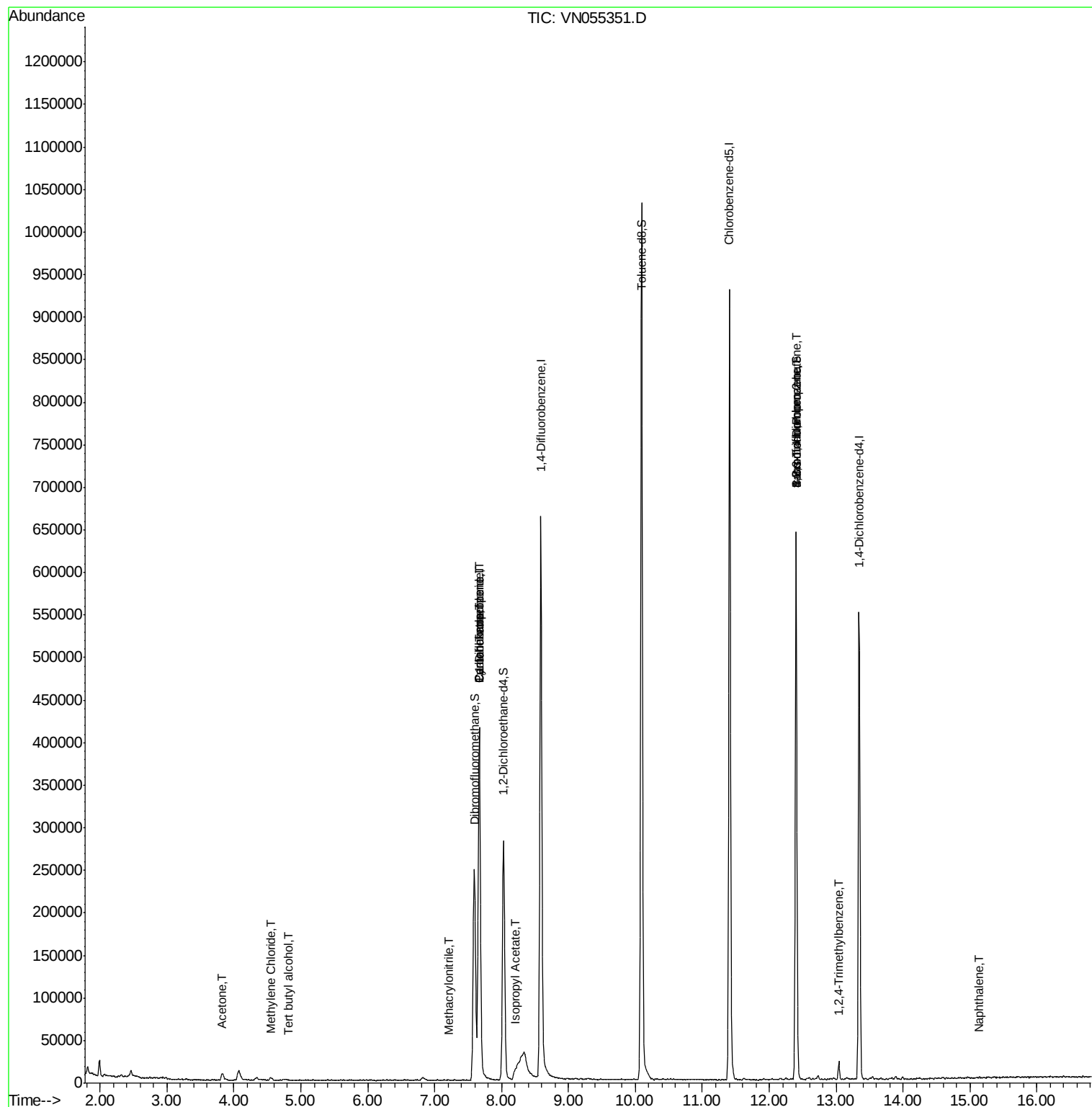
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.81	59	97	0.375	ug/l #	73
16) Acetone	3.83	43	13445	9.549	ug/l	93
18) Methyl Acetate	4.33	43	2570	Below Cal		93
20) Methylene Chloride	4.56	84	1884	0.438	ug/l #	82
31) Cyclohexane	7.66	56	7659	1.078	ug/l #	4
36) 1,1-Dichloropropene	7.67	75	26242	4.604	ug/l #	50
38) Carbon Tetrachloride	7.67	117	32983	5.998	ug/l #	16
41) Methacrylonitrile	7.21	41	29	0.752	ug/l #	33
43) Isopropyl Acetate	8.20	43	7330	1.044	ug/l #	56
71) Bromoform	12.40	173	1962	0.871	ug/l #	1
73) Isopropylbenzene	12.25	105	1735	Below Cal		92
75) 1,1,2,2-Tetrachloroethane	12.41	83	102	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	116147	41.286	ug/l #	100
79) 2-Chlorotoluene	12.66	91	101	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	116147	146.974	ug/l #	7
83) tert-Butylbenzene	13.00	119	165	Below Cal	#	25
84) 1,2,4-Trimethylbenzene	13.04	105	11622	1.107	ug/l	96
90) Hexachloroethane	13.89	117	297	Below Cal	#	7
95) Naphthalene	15.15	128	332	3.403	ug/l #	69

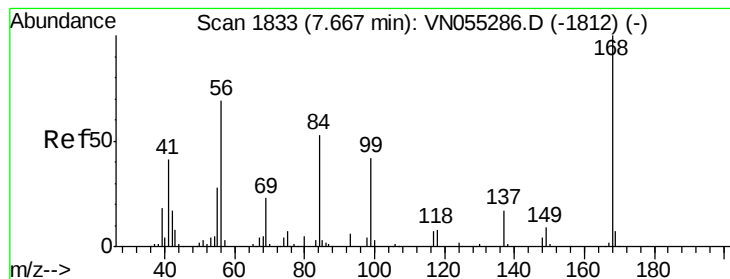
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055351.D

Acq: 2 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

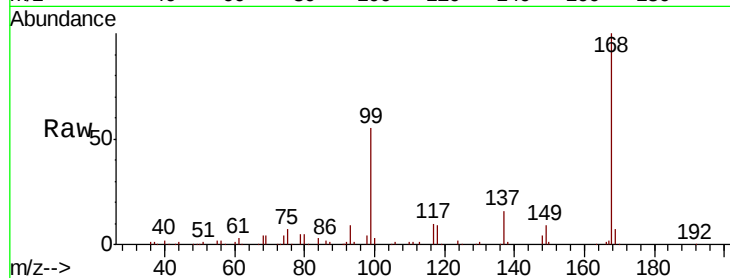
TRIP-BLANK

Tot Ion:168 Resp: 345415

Ion Ratio Lower Upper

168 100

99 55.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055351.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055351.D (-1740) (-)

7.67

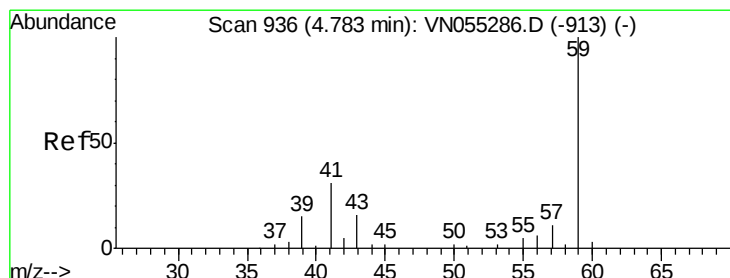
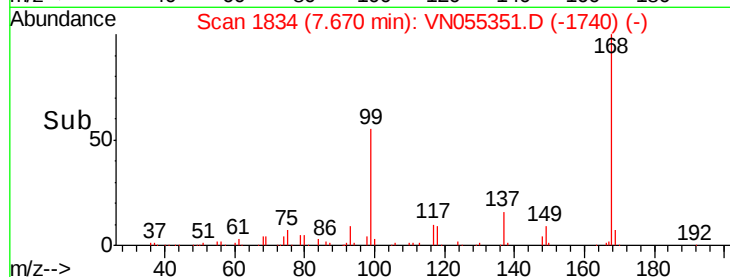
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.375 ug/l

RT: 4.81 min Scan# 945

Delta R.T. 0.03 min

Lab File: VN055351.D

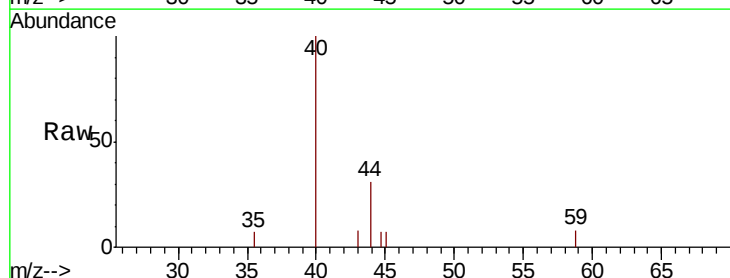
Acq: 2 May 2019 15:54

Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN055351.D (-843) (-)

Ion 57.00 (56.70 to 57.70): VN055351.D (-843) (-)

4.81

200

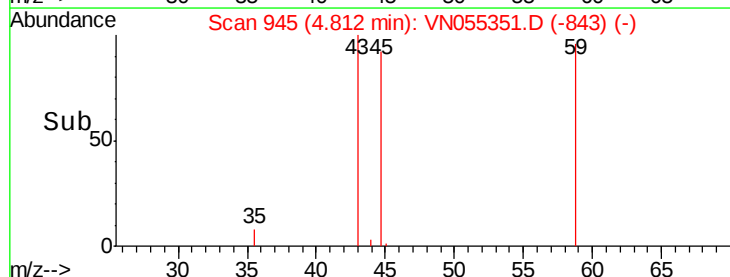
150

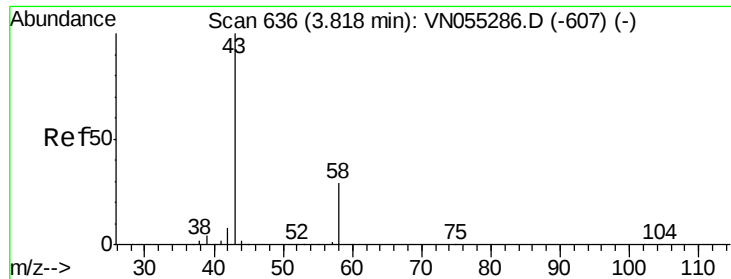
100

50

0

Time-->





#16

Acetone

Concen: 9.549 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN055351.D

Acq: 2 May 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

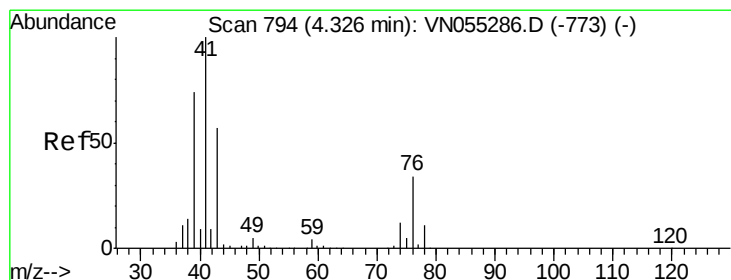
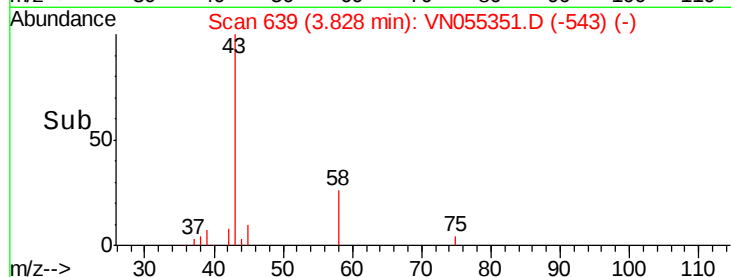
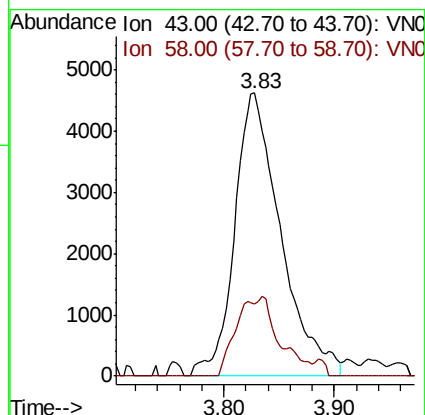
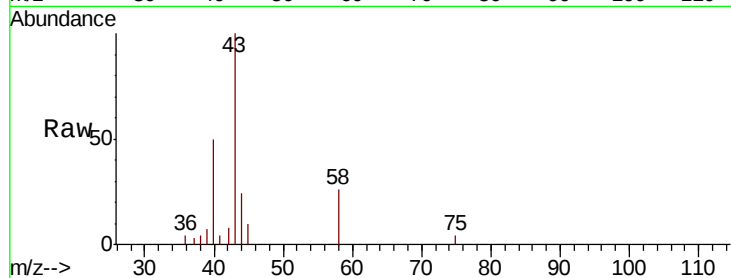
TRIP-BLANK

Tot Ion: 43 Resp: 13445

Ion Ratio Lower Upper

43 100

58 25.5 23.6 35.4



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055351.D

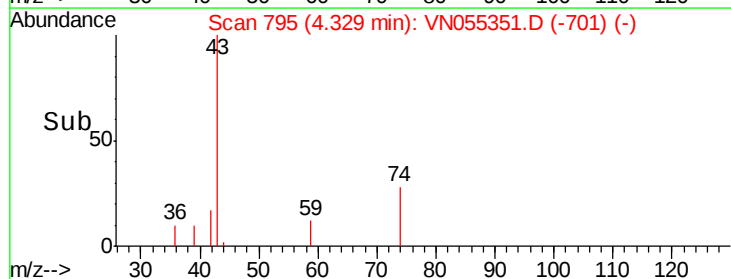
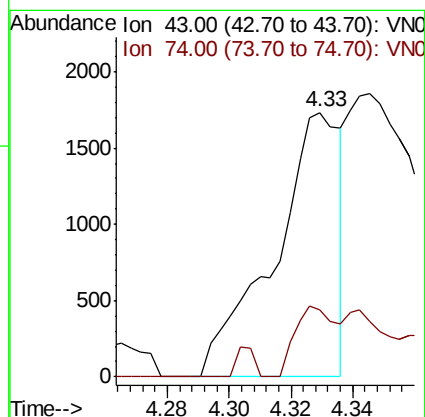
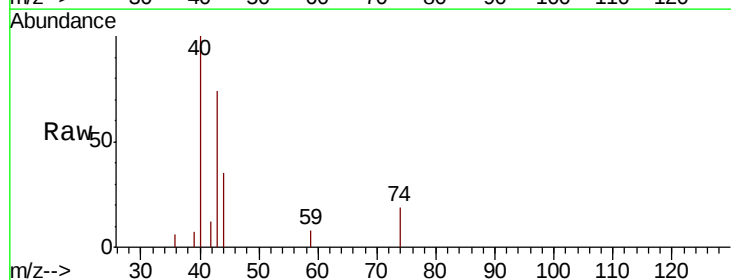
Acq: 2 May 2019 15:54

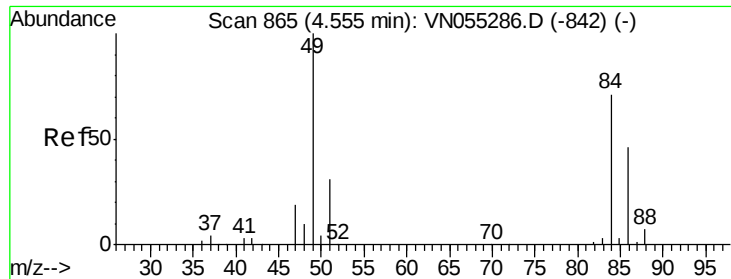
Tgt Ion: 43 Resp: 2570

Ion Ratio Lower Upper

43 100

74 16.7 15.8 23.8

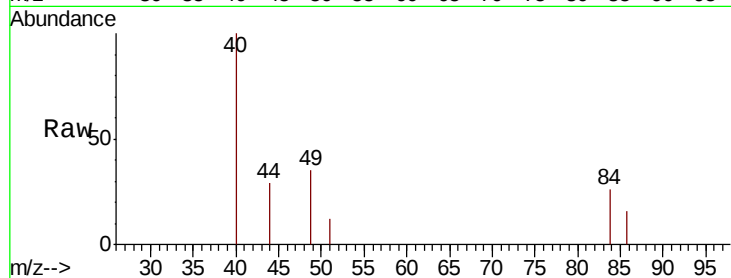




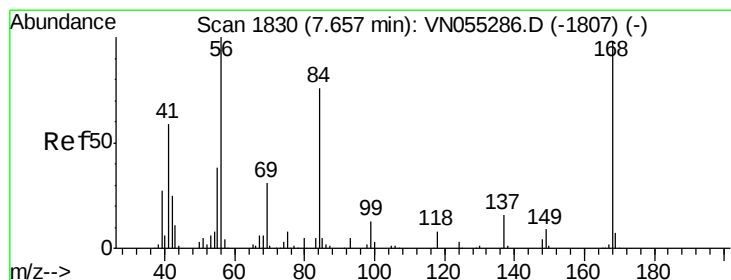
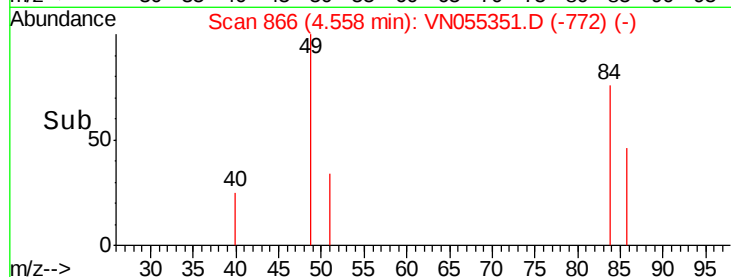
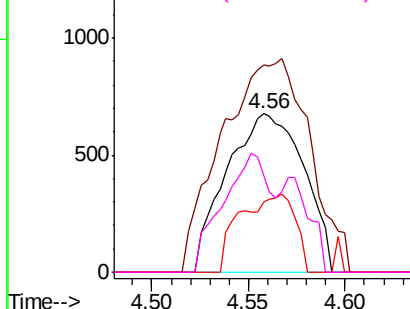
#20
Methvlene Chloride
Concen: 0.438 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055351.D
Acq: 2 May 2019 15:54

Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

Tot Ion: 84 Resp: 1884
Ion Ratio Lower Upper
84 100
49 104.9 112.4 168.6#
51 44.2 34.6 51.8
86 60.5 51.9 77.9

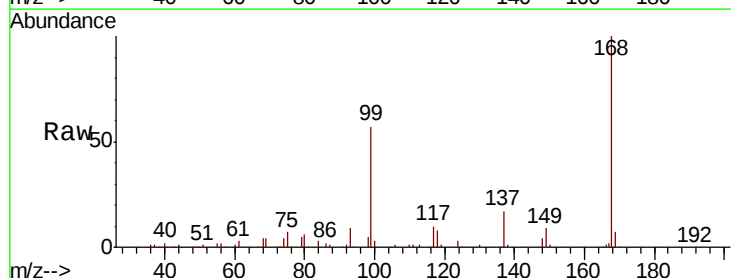


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

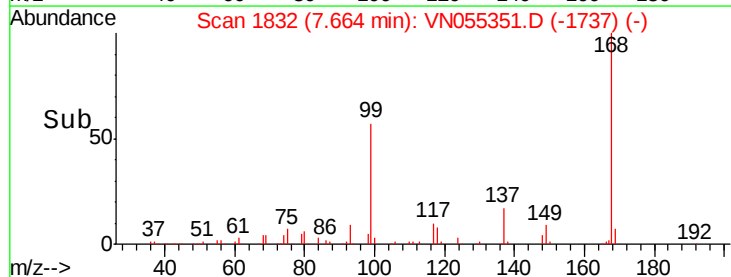
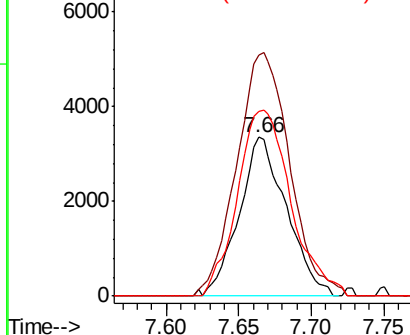


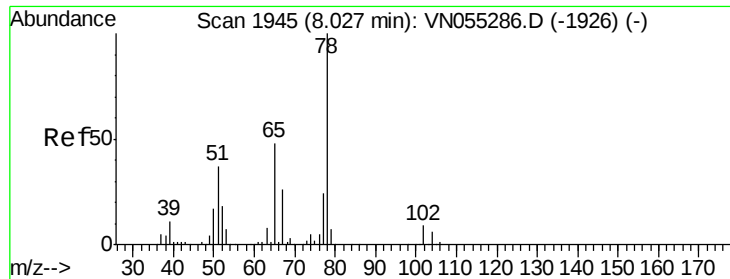
#31
Cyclohexane
Concen: 1.078 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055351.D
Acq: 2 May 2019 15:54

Tgt Ion: 56 Resp: 7659
Ion Ratio Lower Upper
56 100
69 152.0 25.2 37.8#
84 116.1 61.1 91.7#



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: 54.022 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055351.D

Acq: 2 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

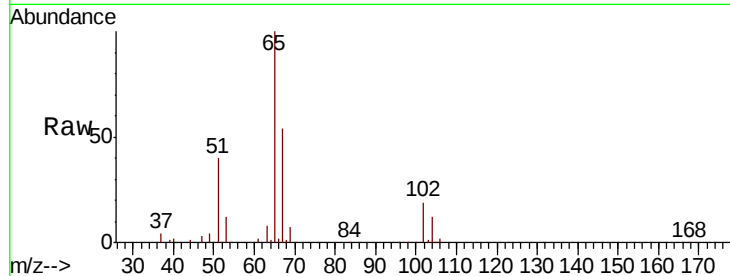
TRIP-BLANK

Tot Ion: 65 Resp: 244115

Ion Ratio Lower Upper

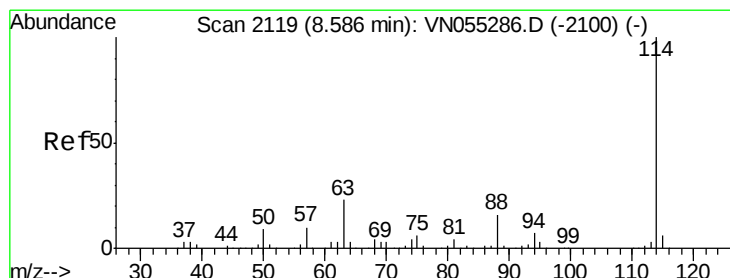
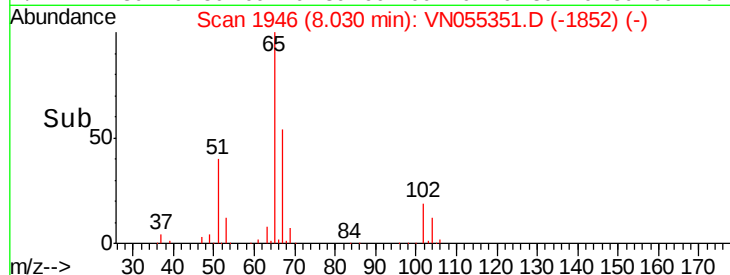
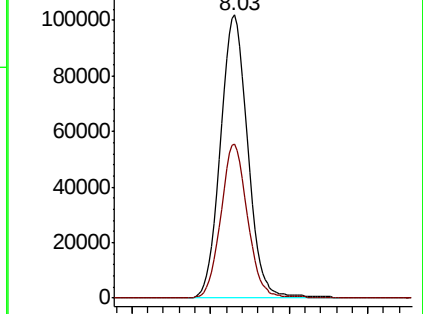
65 100

67 52.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN055351.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055351.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055351.D

Acq: 2 May 2019 15:54

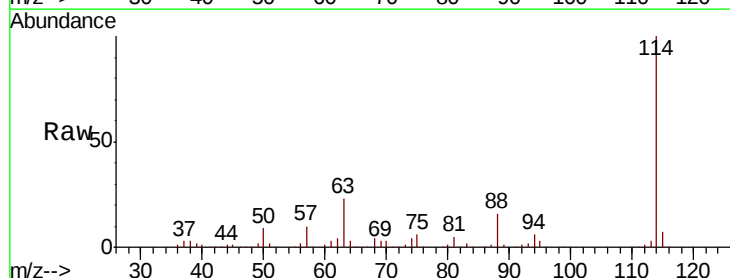
Tgt Ion: 114 Resp: 595111

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

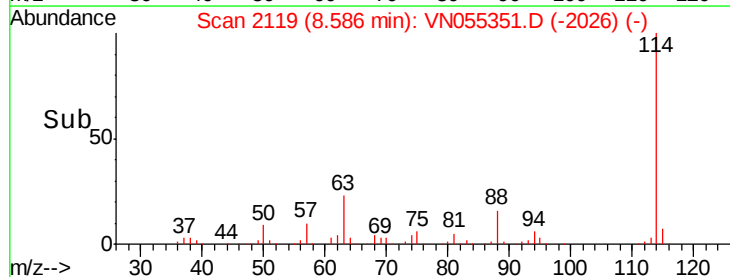
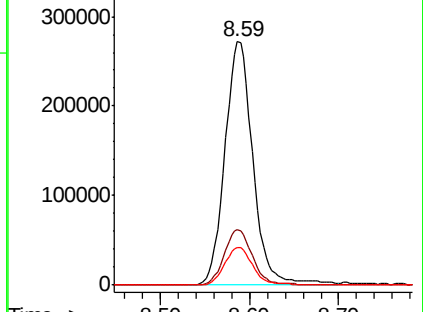
88 15.5 0.0 31.6

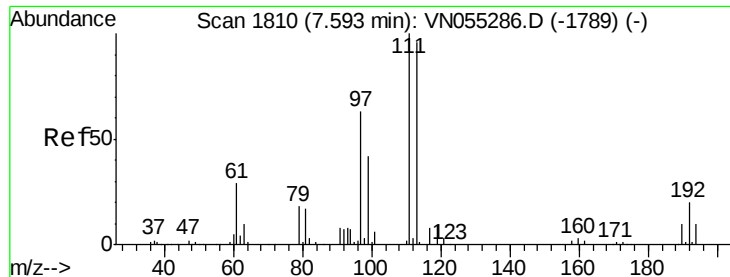


Abundance Ion 113.90 (113.60 to 114.60): VN055351.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055351.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055351.D (-2026) (-)

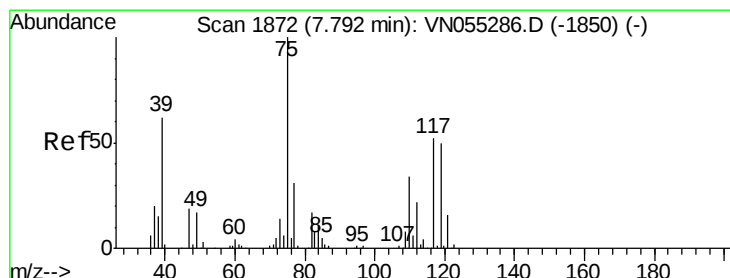
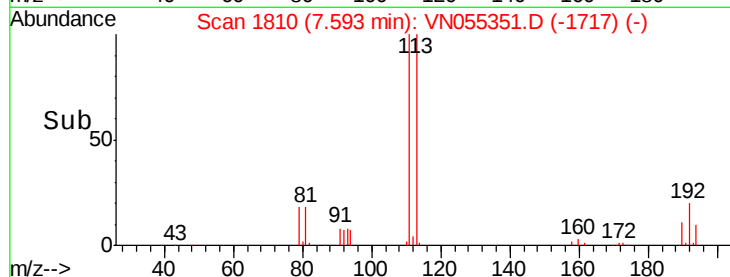
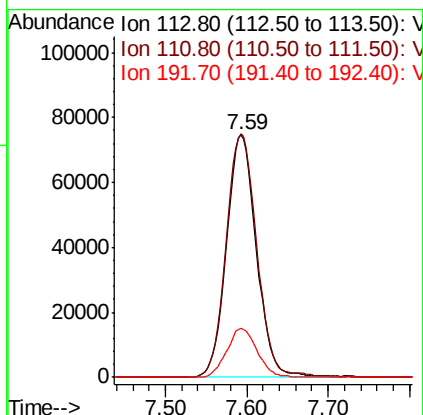
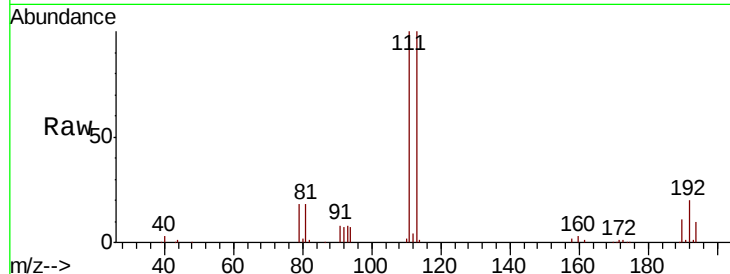




#35
 Dibromofluoromethane
 Concen: 49.103 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055351.D
 Acq: 2 May 2019 15:54

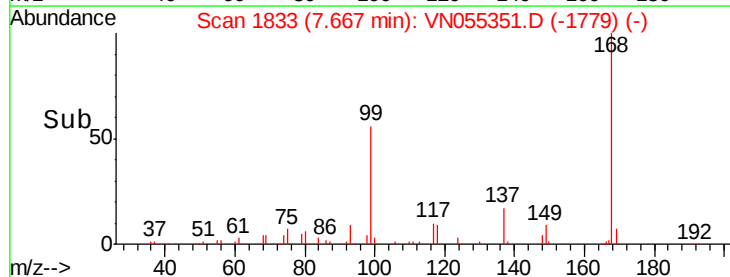
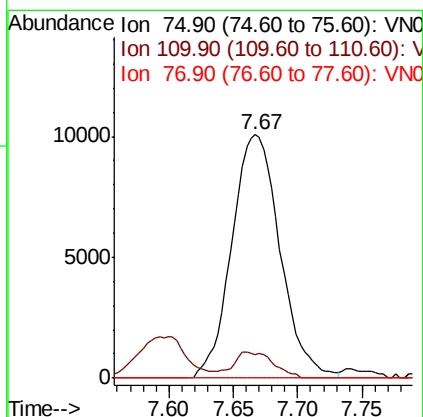
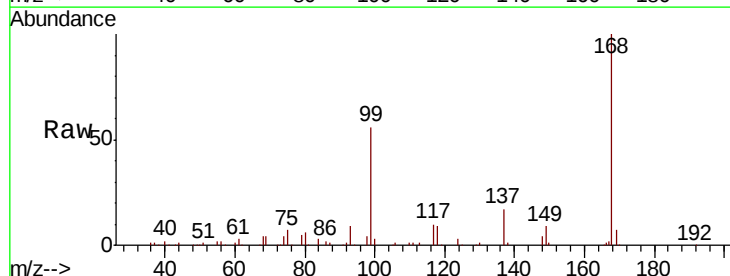
Instrument :
 MSVOA_N
 ClientSampleId :
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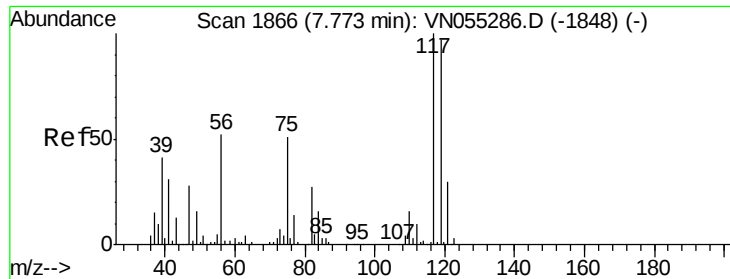
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.3	123.5
192	20.6	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.604 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055351.D
 Acq: 2 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.8	50.4#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.998 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055351.D

Acq: 2 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

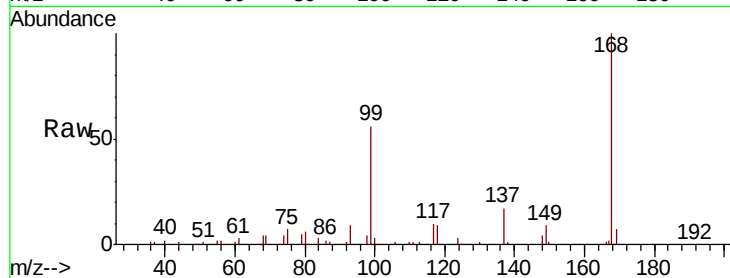
Tot Ion:117 Resp: 32983

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.6#

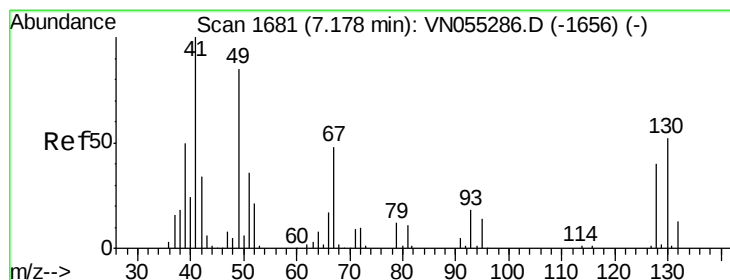
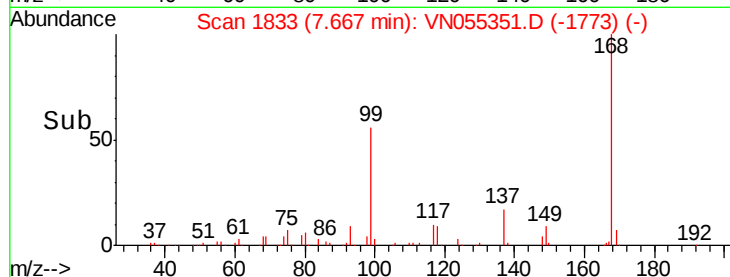
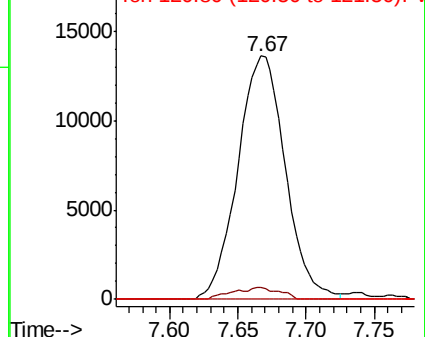
121 0.0 23.8 35.8#



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: 0.752 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.04 min

Lab File: VN055351.D

Acq: 2 May 2019 15:54

Tgt Ion: 41 Resp: 29

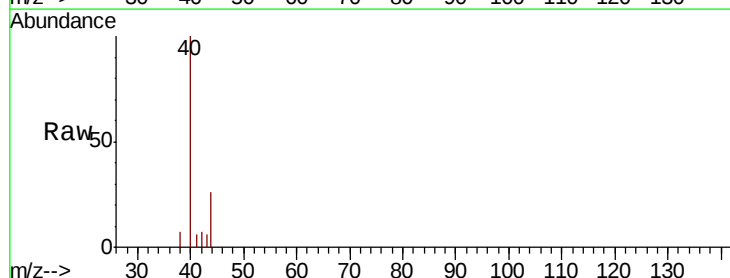
Ion Ratio Lower Upper

41 100

39 100.0 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#

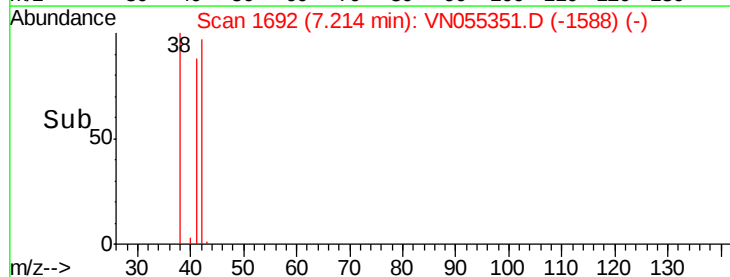
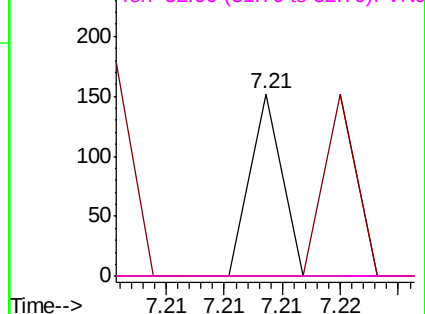


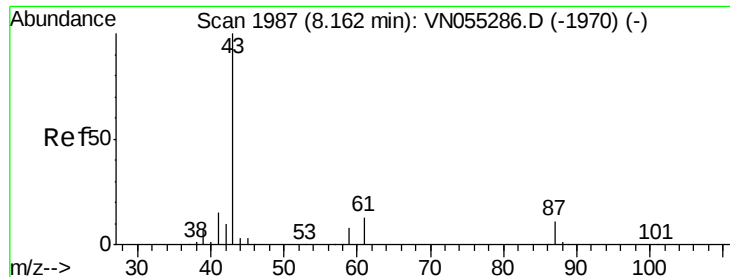
Abundance Ion 41.00 (40.70 to 41.70): V

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: 1.044 ug/l

RT: 8.20 min Scan# 1999

Delta R.T. 0.04 min

Lab File: VN055351.D

Acq: 2 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

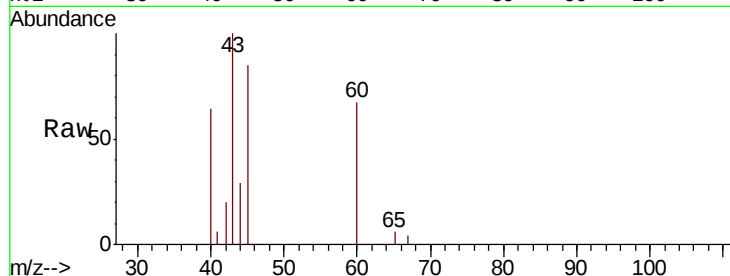
Tot Ion: 43 Resp: 7330

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

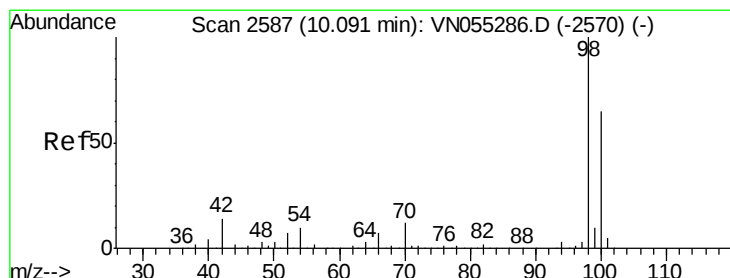
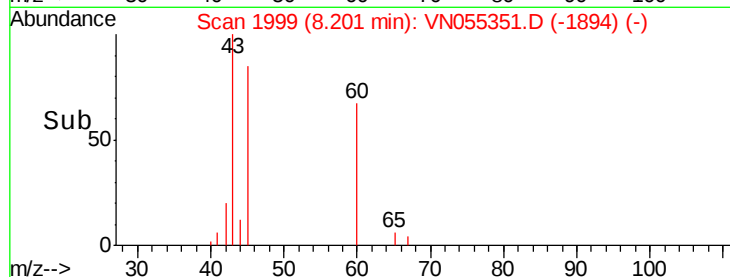
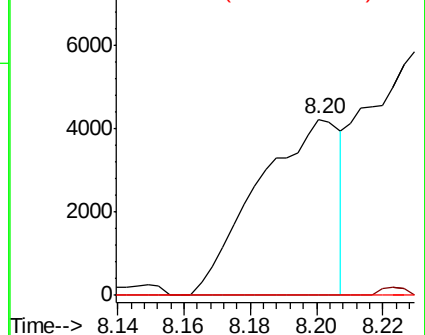
87 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VN055351.D (-1994) (-)

Ion 61.00 (60.70 to 61.70): VN055351.D (-1994) (-)

Ion 87.00 (86.70 to 87.70): VN055351.D (-1994) (-)



#50

Toluene-d8

Concen: 51.364 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055351.D

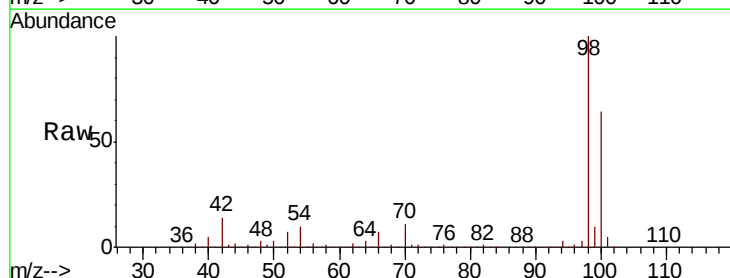
Acq: 2 May 2019 15:54

Tgt Ion: 98 Resp: 724458

Ion Ratio Lower Upper

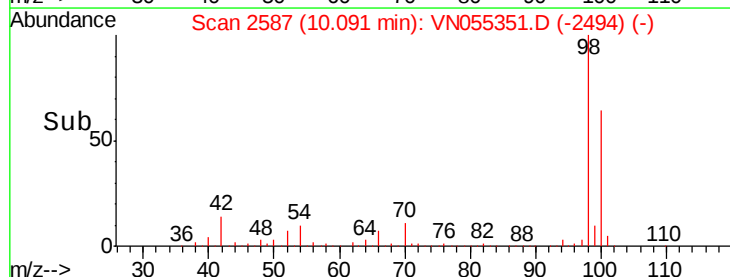
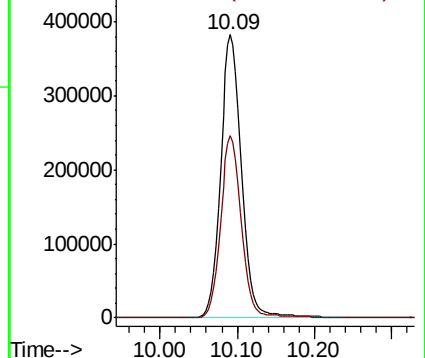
98 100

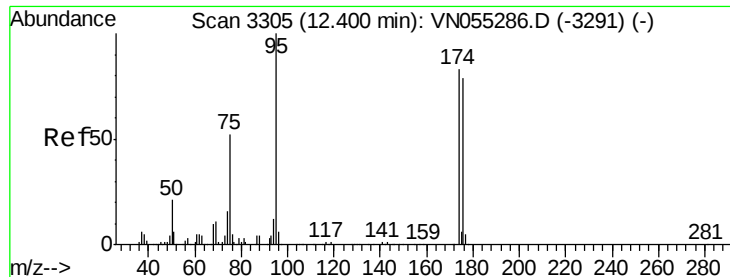
100 63.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055351.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055351.D (-2494) (-)

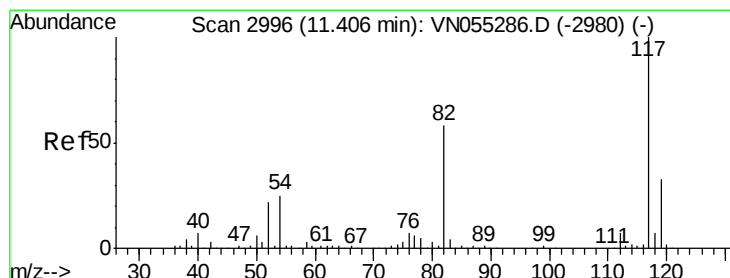
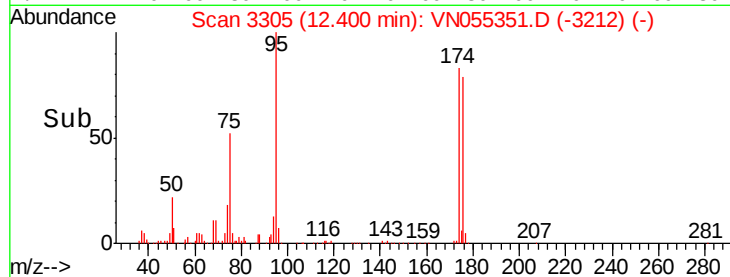
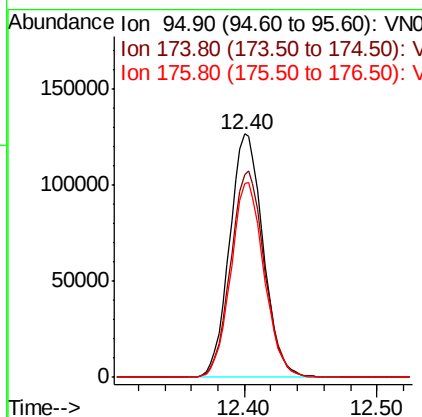
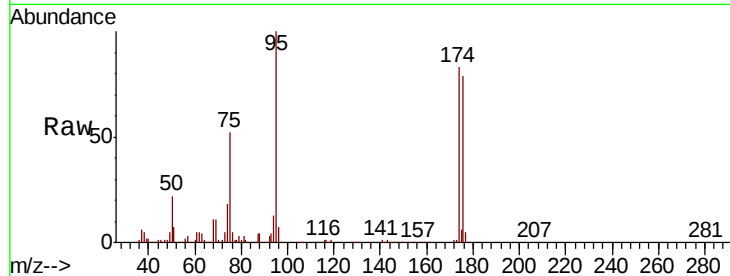




#62
4-Bromofluorobenzene
Concen: 50.437 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055351.D
Acq: 2 May 2019 15:54

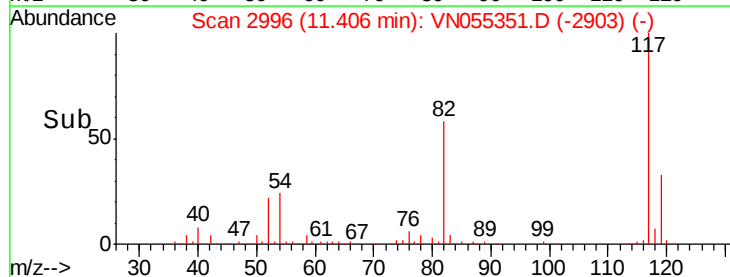
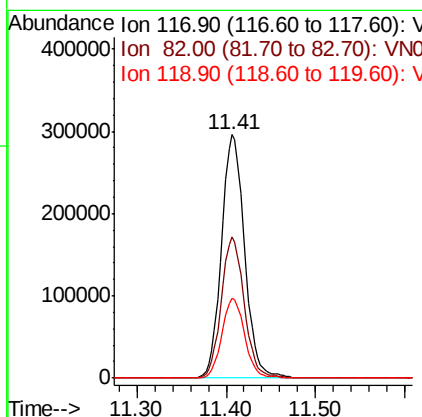
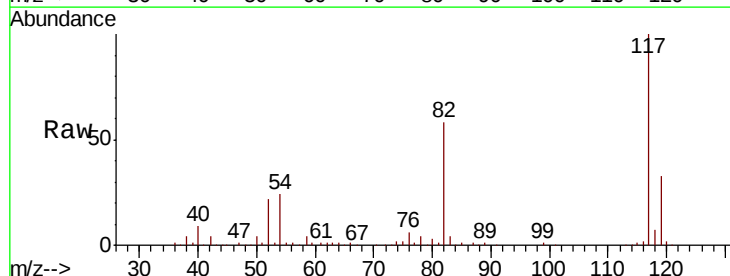
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

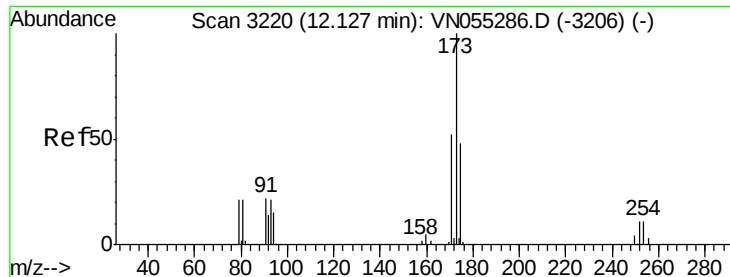
Tot Ion: 95 Resp: 222337
Ion Ratio Lower Upper
95 100
174 85.6 0.0 166.6
176 79.3 0.0 157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055351.D
Acq: 2 May 2019 15:54

Tgt Ion: 117 Resp: 530480
Ion Ratio Lower Upper
117 100
82 57.8 46.2 69.4
119 32.6 26.6 40.0





#71

Bromoform

Concen: 0.871 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055351.D

Acq: 2 May 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

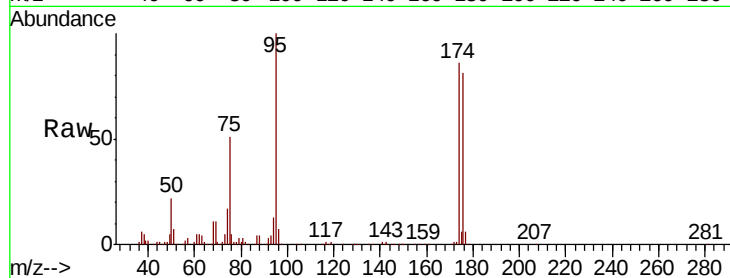
Tot Ion:173 Resp: 1962

Ion Ratio Lower Upper

173 100

175 617.0 23.6 71.0#

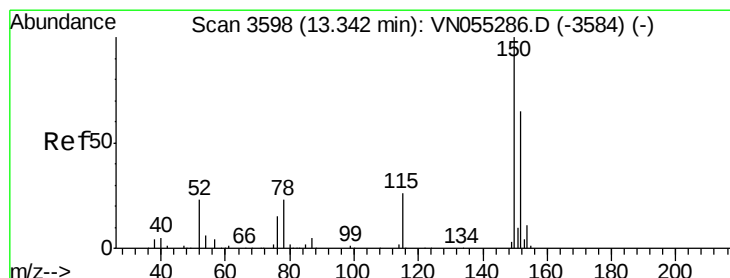
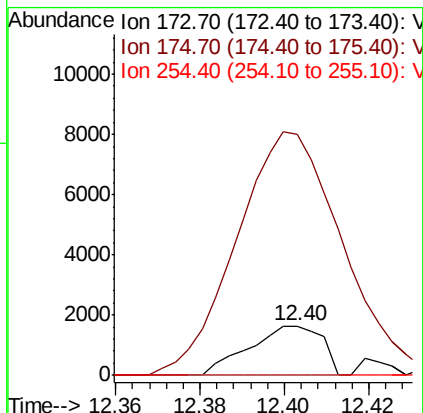
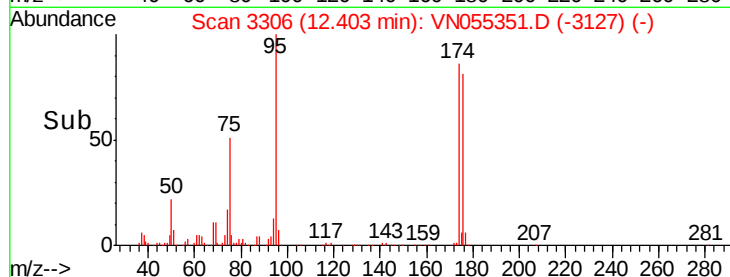
254 0.0 0.0 0.0



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: VN055351.D

Acq: 2 May 2019 15:54

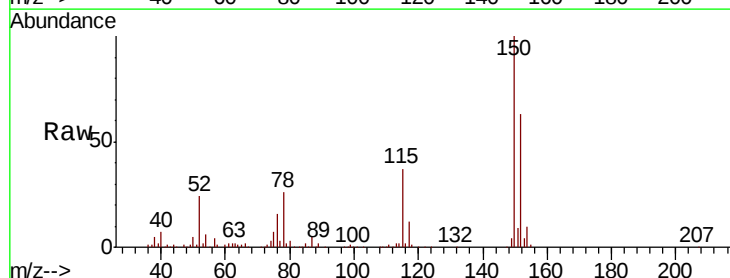
Tgt Ion:152 Resp: 149759

Ion Ratio Lower Upper

152 100

115 58.9 29.0 87.0

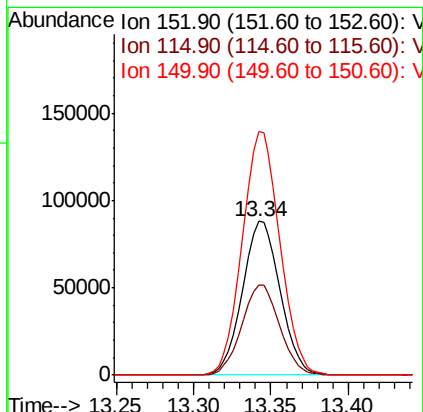
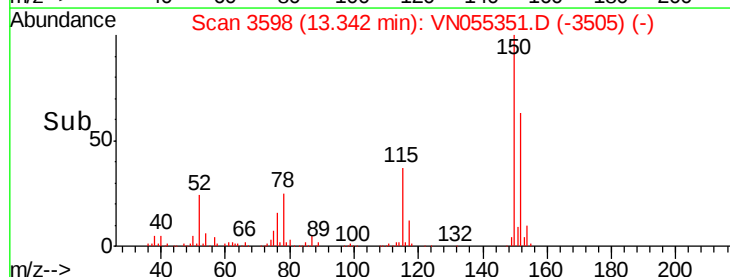
150 157.7 0.0 345.6

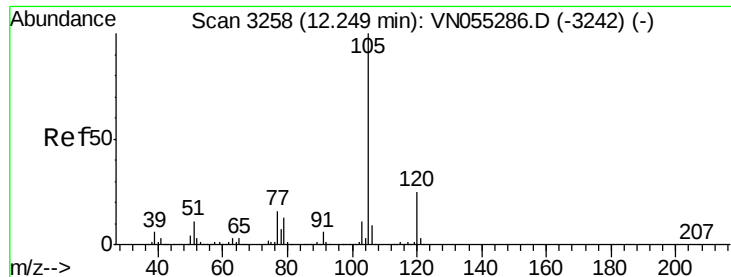


Abundance Ion 151.90 (151.60 to 152.60): V

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# 3259

Delta R.T. 0.00 min

Lab File: VN055351.D

Acq: 2 May 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

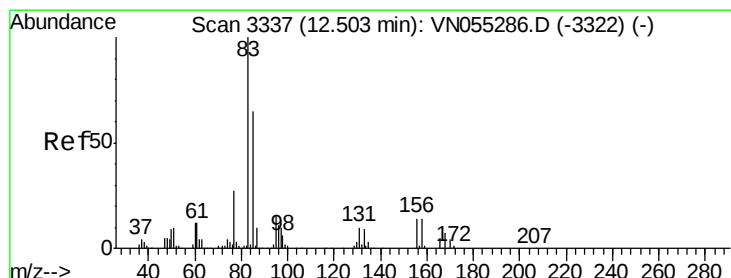
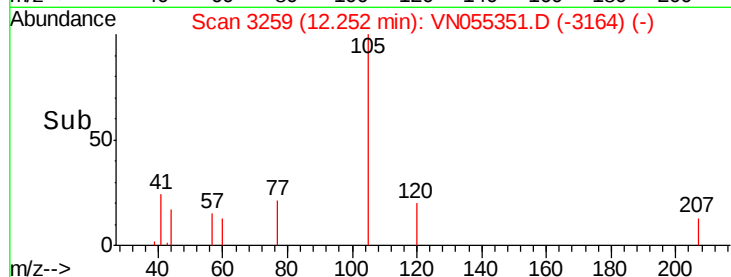
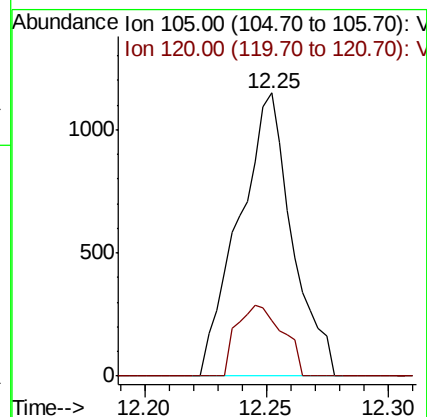
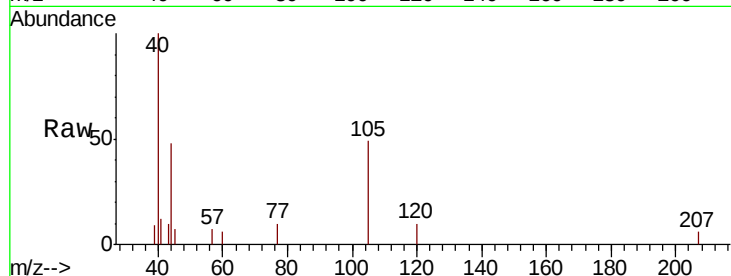
TRIP-BLANK

Tot Ion:105 Resp: 1735

Ion Ratio Lower Upper

105 100

120 21.8 12.9 38.7



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.10 min

Lab File: VN055351.D

Acq: 2 May 2019 15:54

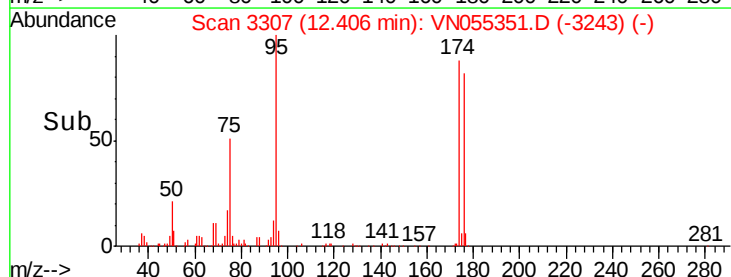
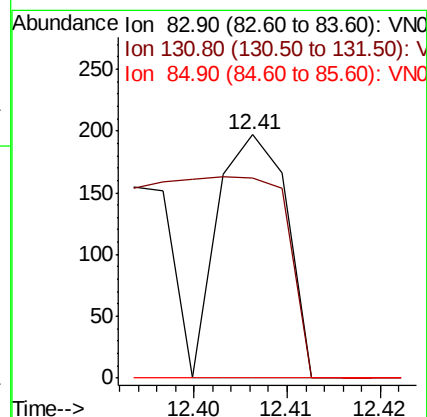
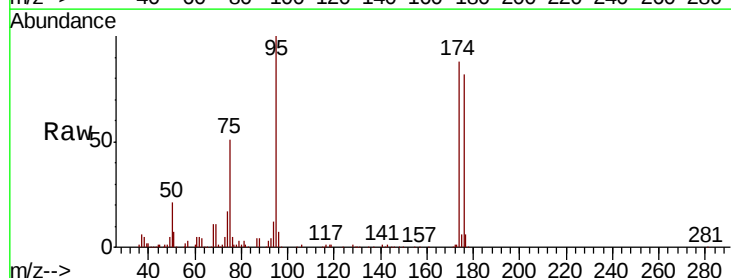
Tgt Ion: 83 Resp: 102

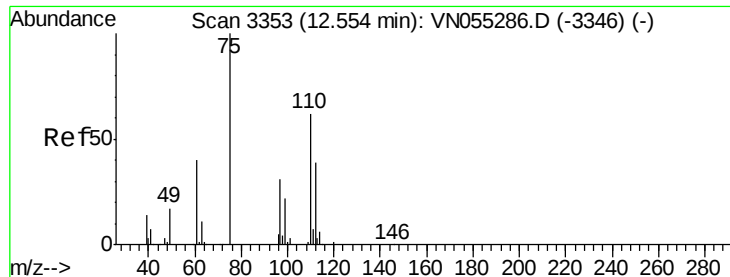
Ion Ratio Lower Upper

83 100

131 180.4 5.1 15.2#

85 0.0 32.3 96.8#





#76

1,2,3-Trichloropropane

Concen: 41.286 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055351.D

Acq: 2 May 2019 15:54

Instrument :

MSVOA_N

ClientSampled :

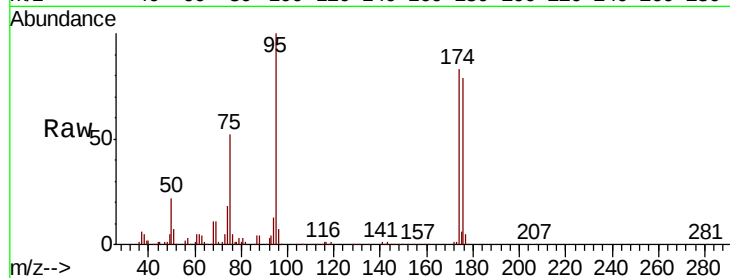
TRIP-BLANK

Tot Ion: 75 Resp: 116147

Ion Ratio Lower Upper

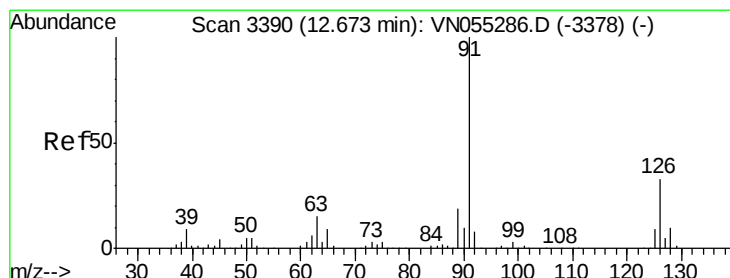
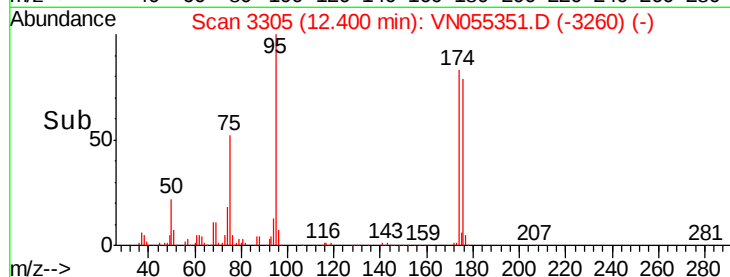
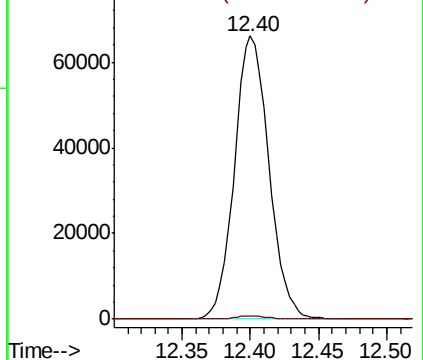
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.66 min Scan# 3387

Delta R.T. -0.01 min

Lab File: VN055351.D

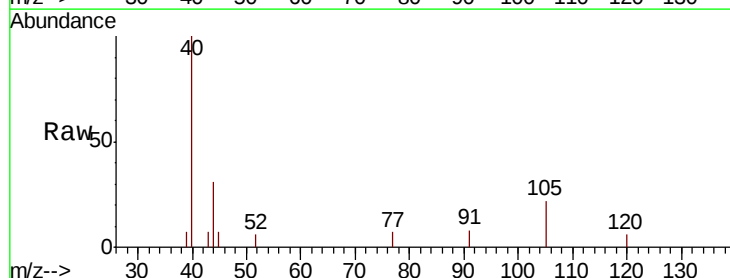
Acq: 2 May 2019 15:54

Tgt Ion: 91 Resp: 101

Ion Ratio Lower Upper

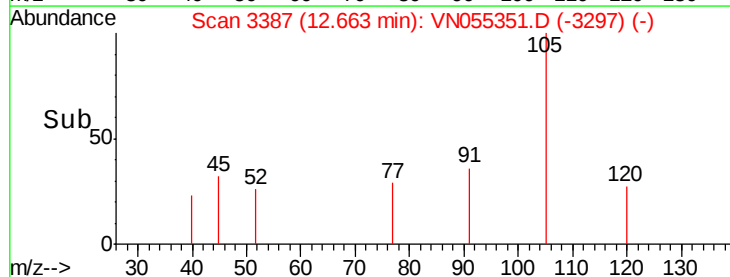
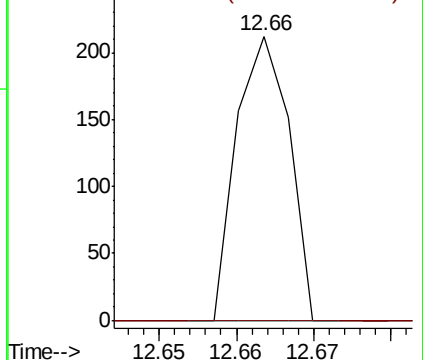
91 100

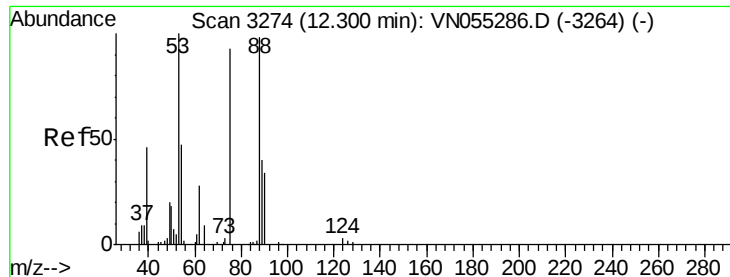
126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 146.974 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055351.D

Acq: 2 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

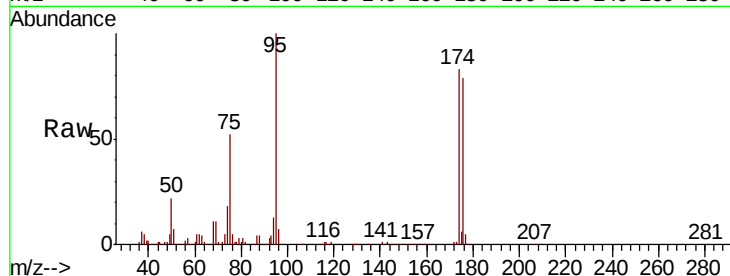
Tot Ion: 75 Resp: 116147

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

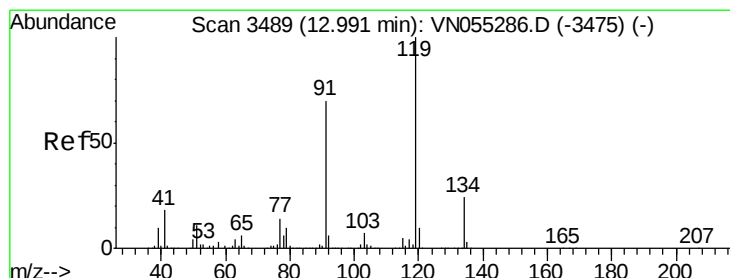
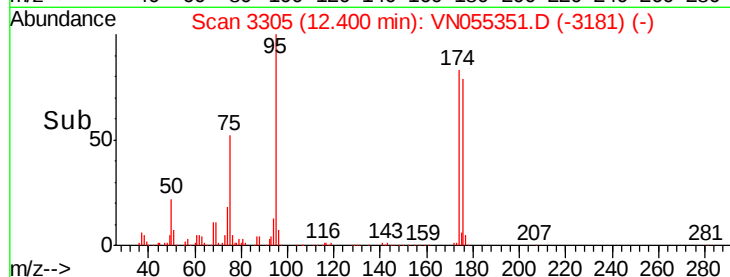
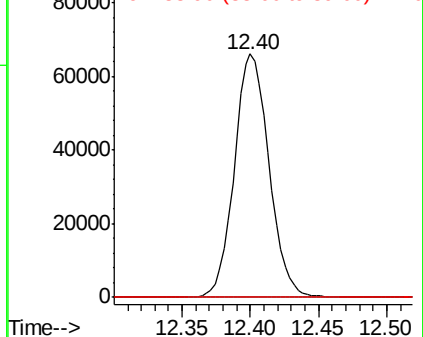
89 0.0 34.6 51.8#



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



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3491

Delta R.T. 0.01 min

Lab File: VN055351.D

Acq: 2 May 2019 15:54

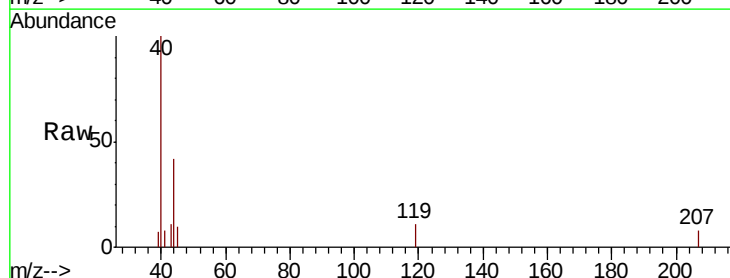
Tgt Ion: 119 Resp: 165

Ion Ratio Lower Upper

119 100

91 0.0 34.3 102.9#

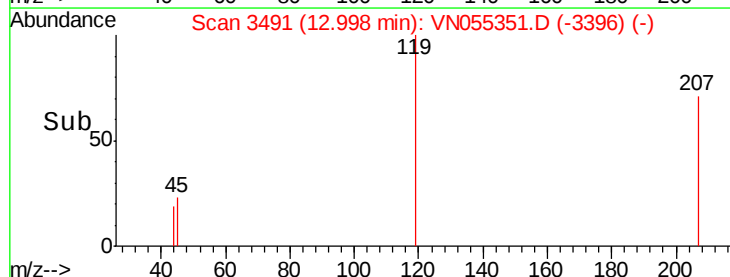
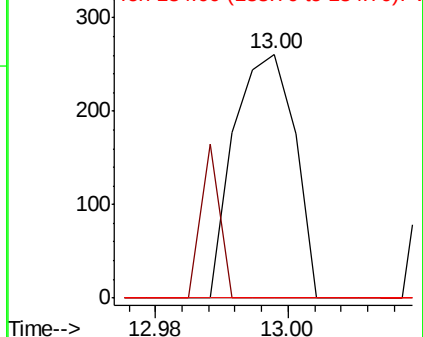
134 0.0 13.1 39.3#

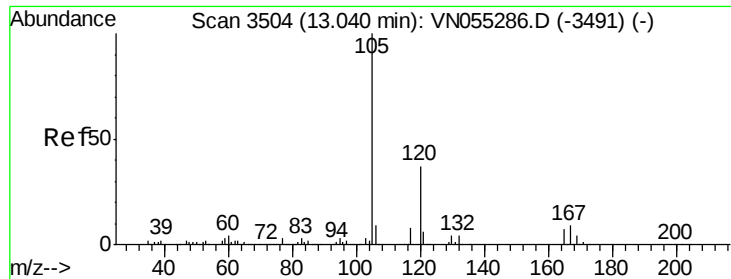


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V

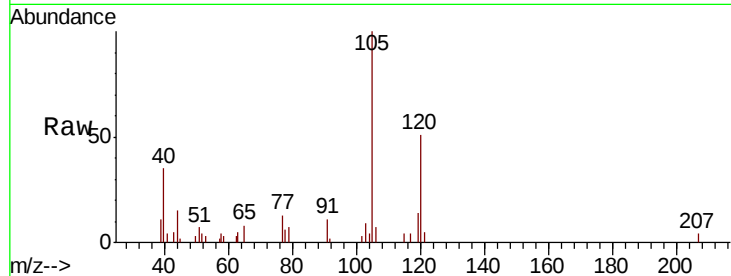




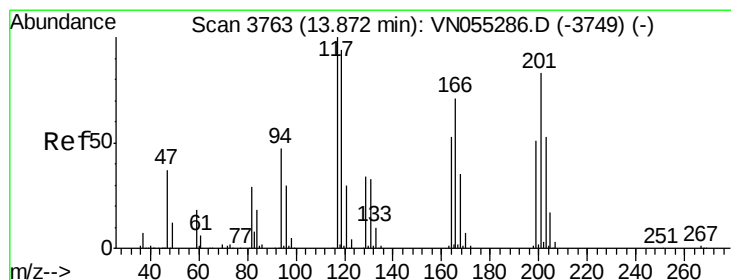
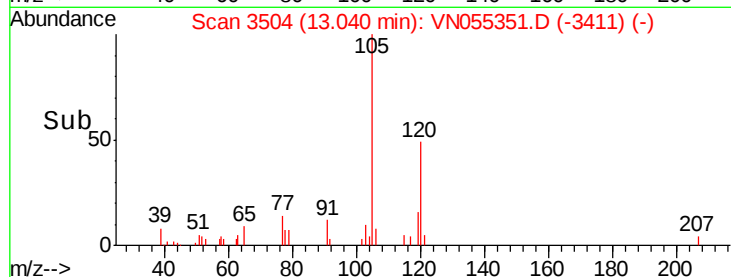
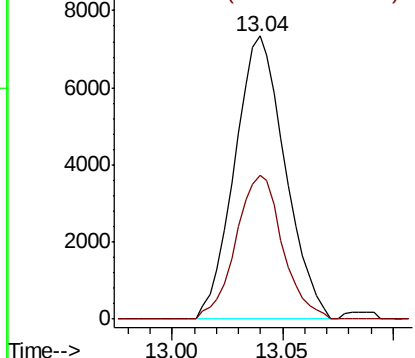
#84
 1,2,4-Trimethylbenzene
 Concen: 1.107 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055351.D
 Acq: 2 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion:105 Resp: 11622
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.1 66.5

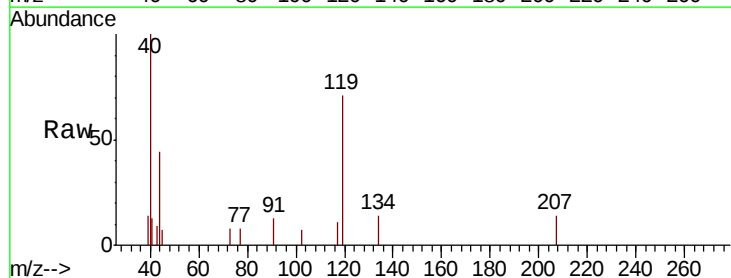


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

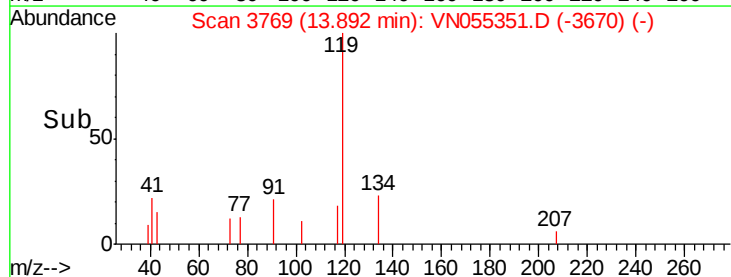
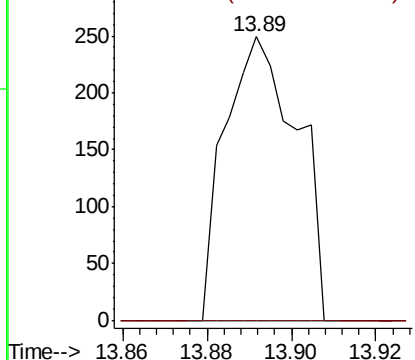


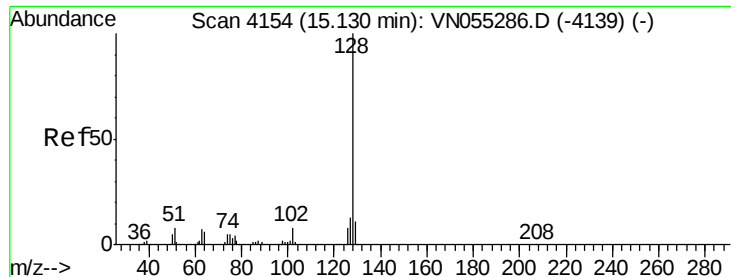
#90
 Hexachloroethane
 Concen: Below Cal
 RT: 13.89 min Scan# 3769
 Delta R.T. 0.02 min
 Lab File: VN055351.D
 Acq: 2 May 2019 15:54

Tgt Ion:117 Resp: 297
 Ion Ratio Lower Upper
 117 100
 201 0.0 41.9 125.8#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 3.403 ug/l

RT: 15.15 min Scan# 4159

Delta R.T. 0.02 min

Lab File: VN055351.D

Acq: 2 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

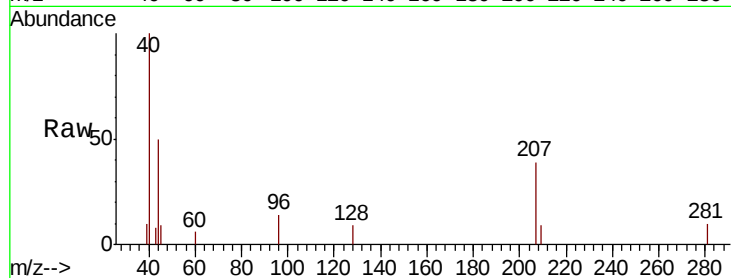
Tot Ion:128 Resp: 332

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 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

