

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055436.D
 Acq On : 7 May 2019 14:39
 Operator : JC/SP
 Sample : K2658-20 40X
 Misc : 6.31g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-W5-6(17-20)

Quant Time: May 08 05:49:00 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

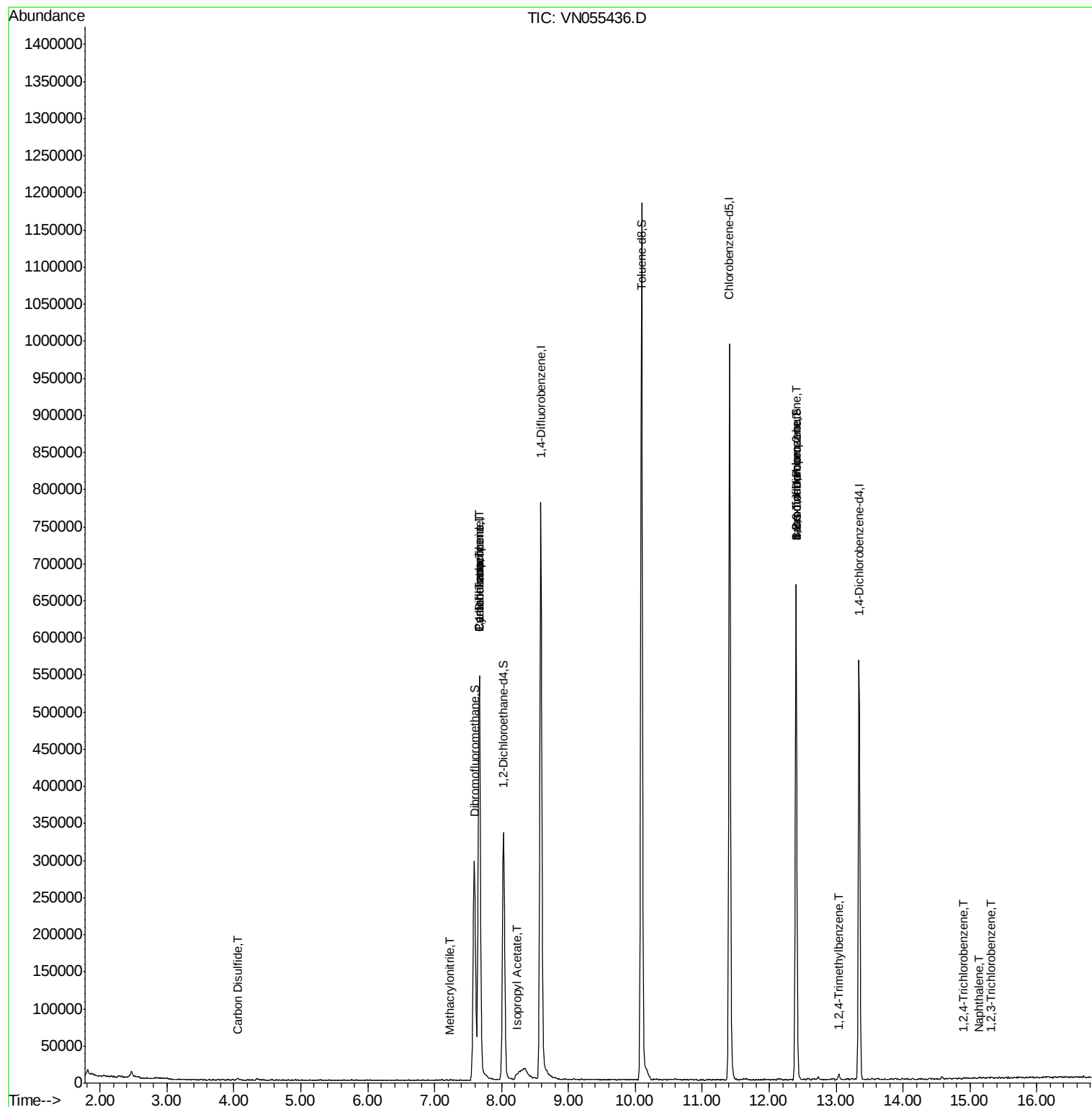
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	451363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	695005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	563480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149025	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	292463	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	7.59	113	224729	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	10.09	98	812203	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.40	95	233349	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.06	76	2914	0.250	ug/l #	74
18) Methyl Acetate	4.34	43	2889	Below Cal	#	83
31) Cyclohexane	7.67	56	10689	1.151	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	35024	5.261	ug/l #	49
38) Carbon Tetrachloride	7.67	117	43887	6.834	ug/l #	16
41) Methacrylonitrile	7.22	41	29	0.750	ug/l #	1
43) Isopropyl Acetate	8.23	43	5164	0.630	ug/l #	56
71) Bromoform	12.40	173	905	0.378	ug/l #	29
73) Isopropylbenzene	12.25	105	680	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	77	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	124747	44.772	ug/l #	100
79) 2-Chlorotoluene	12.68	91	391	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	124747	158.634	ug/l #	7
83) tert-Butylbenzene	13.00	119	488	Below Cal	#	39
84) 1,2,4-Trimethylbenzene	13.04	105	4687	0.449	ug/l	97
90) Hexachloroethane	13.88	117	135	Below Cal	#	7
93) 1,2,4-Trichlorobenzene	14.91	180	426	3.515	ug/l	77
95) Naphthalene	15.14	128	1160	3.590	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	247	2.735	ug/l #	59

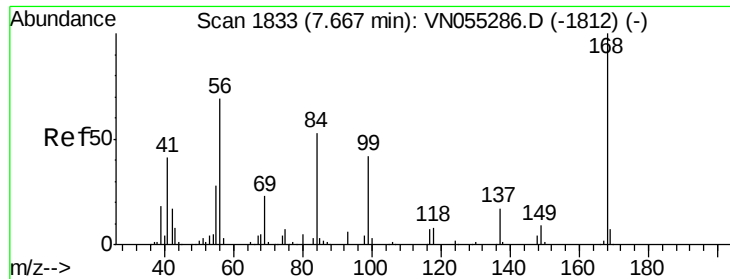
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EP1-SB-W5-6(17-20)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055436.D

Acq: 7 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

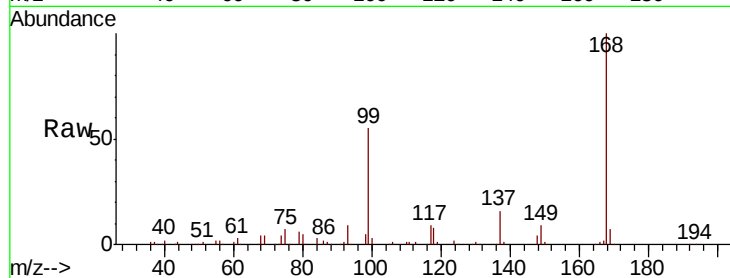
EP1-SB-W5-6(17-20)

Tot Ion:168 Resp: 451363

Ion Ratio Lower Upper

168 100

99 55.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055436.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055436.D (-1740) (-)

7.67

200000

150000

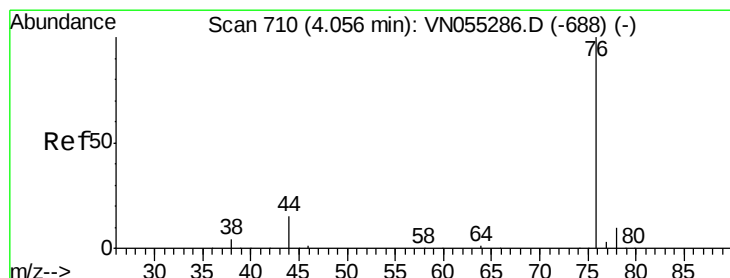
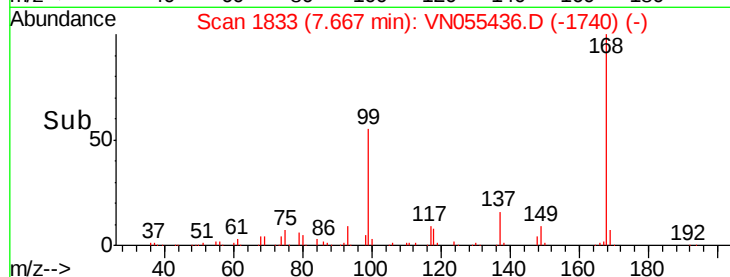
100000

50000

0

7.60 7.70 7.80

Time-->



#17

Carbon Disulfide

Concen: 0.250 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055436.D

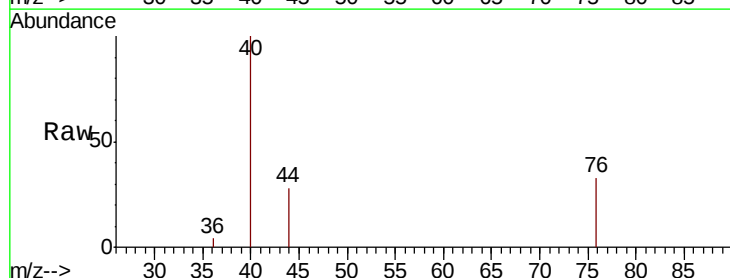
Acq: 7 May 2019 14:39

Tgt Ion: 76 Resp: 2914

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VN055436.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN055436.D (-617) (-)

4.06

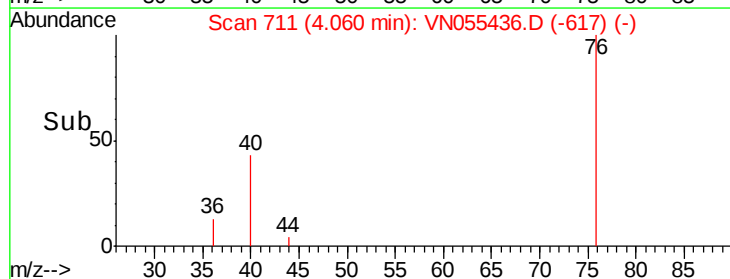
1000

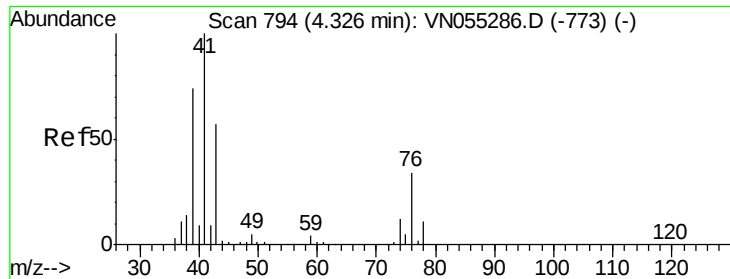
500

0

4.00 4.05 4.10

Time-->

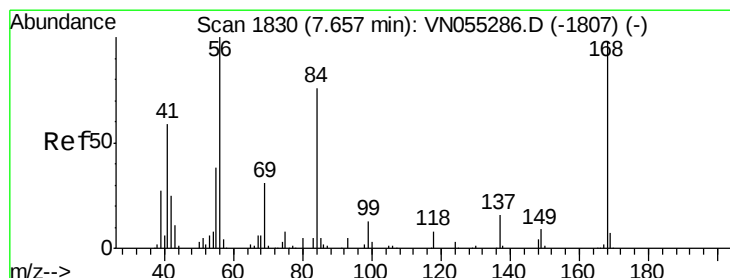
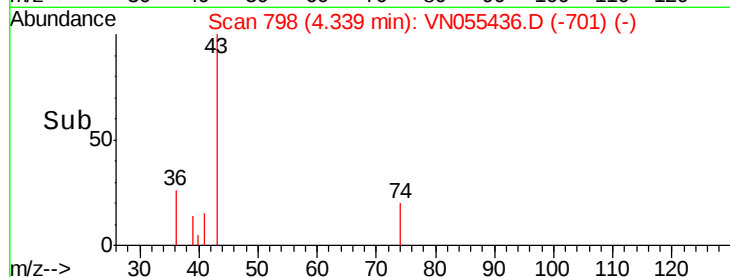
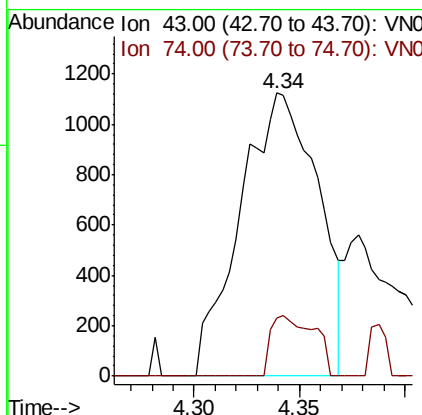
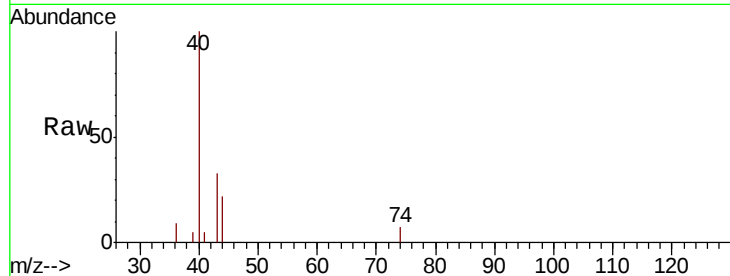




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN055436.D
Acq: 7 May 2019 14:39

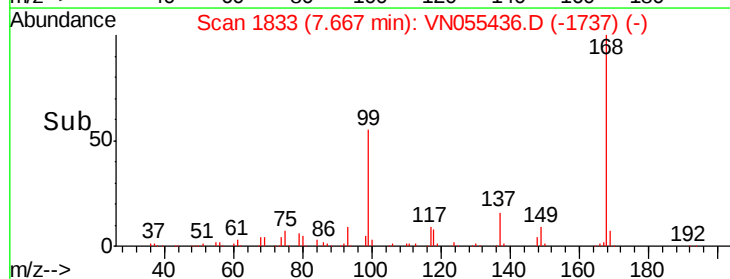
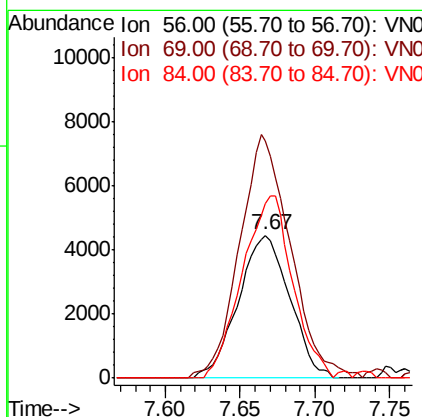
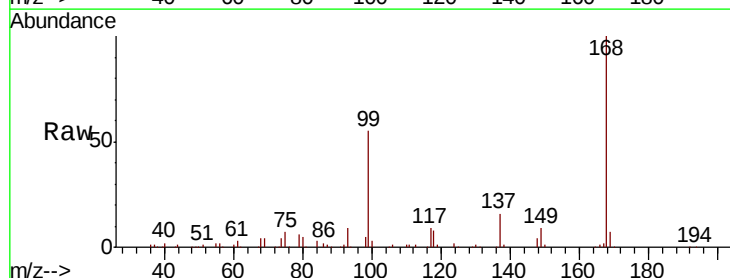
Instrument :
MSVOA_N
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EP1-SB-W5-6(17-20)

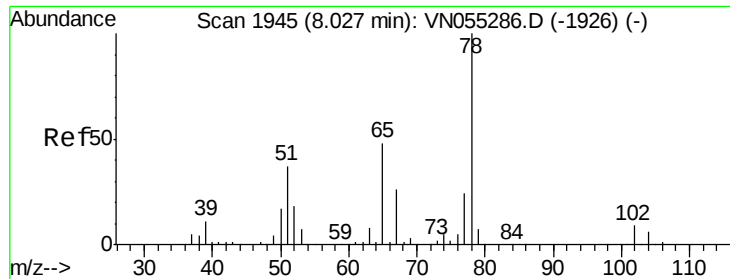
Tot Ion: 43 Resp: 2889
Ion Ratio Lower Upper
43 100
74 11.9 15.8 23.8#



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055436.D
Acq: 7 May 2019 14:39

Tgt Ion: 56 Resp: 10689
Ion Ratio Lower Upper
56 100
69 165.7 25.2 37.8#
84 121.7 61.1 91.7#

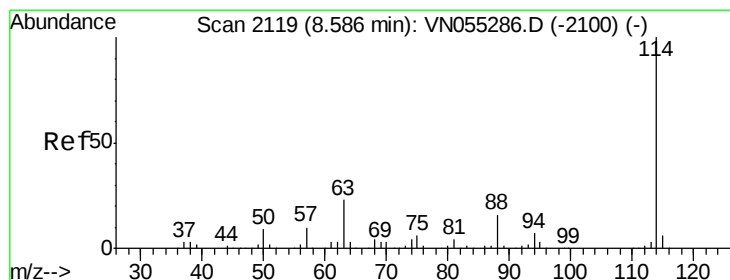
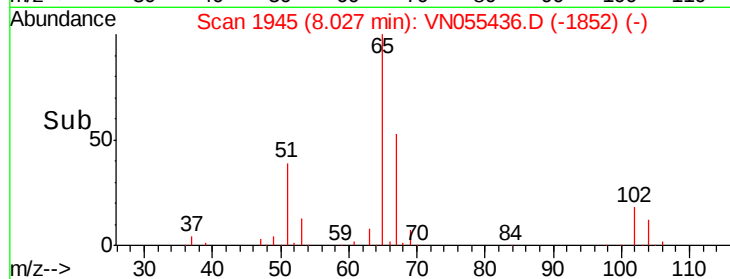
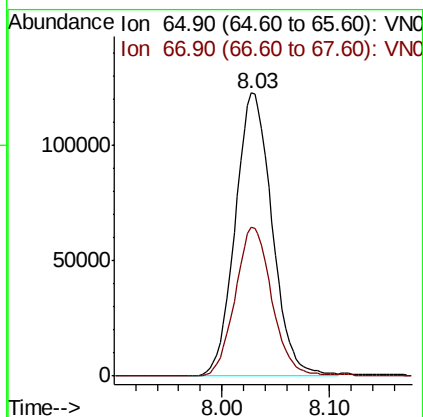
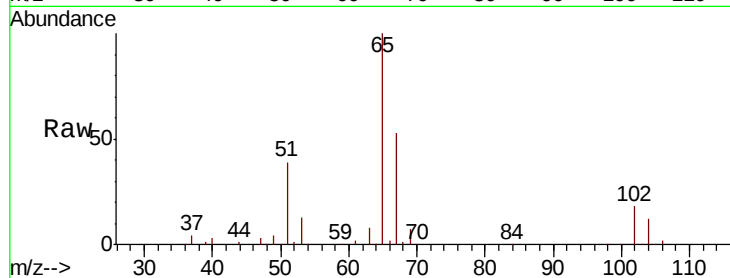




#33
 1,2-Dichloroethane-d4
 Concen: 49.529 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055436.D
 Acq: 7 May 2019 14:39

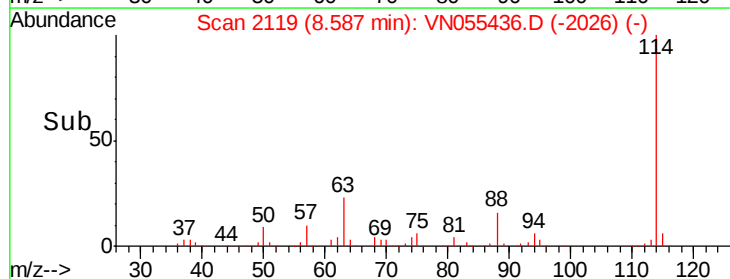
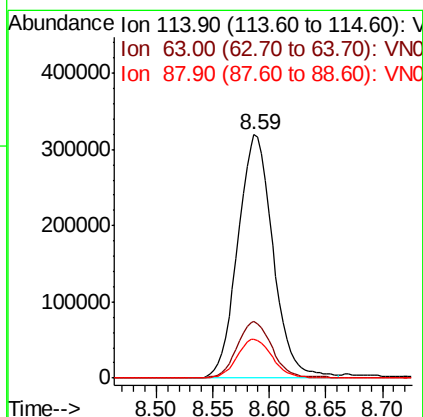
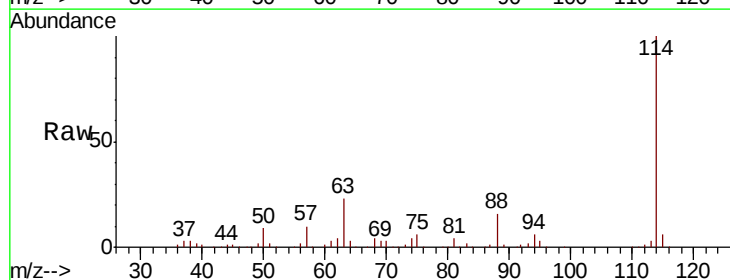
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-W5-6(17-20)

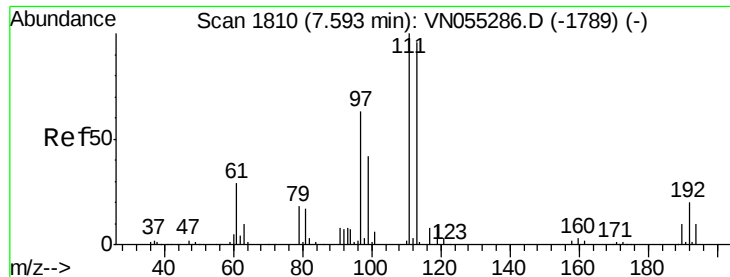
Tot Ion: 65 Resp: 292463
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055436.D
 Acq: 7 May 2019 14:39

Tgt Ion: 114 Resp: 695005
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.2
 88 16.2 0.0 31.6

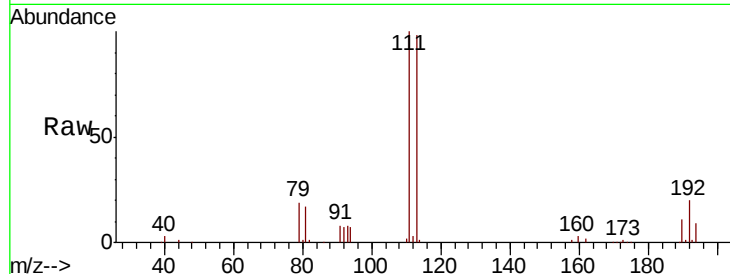




#35
 Dibromofluoromethane
 Concen: 49.263 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055436.D
 Acq: 7 May 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-W5-6(17-20)

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.3	123.5
192	20.3	17.0	25.6

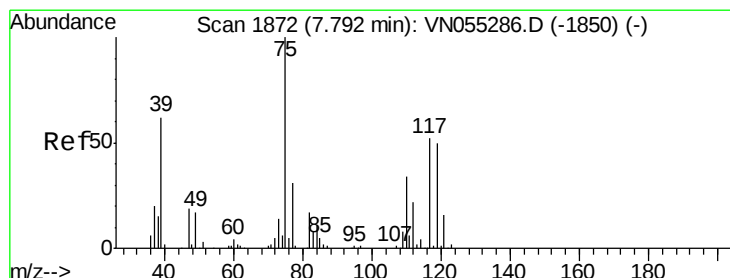
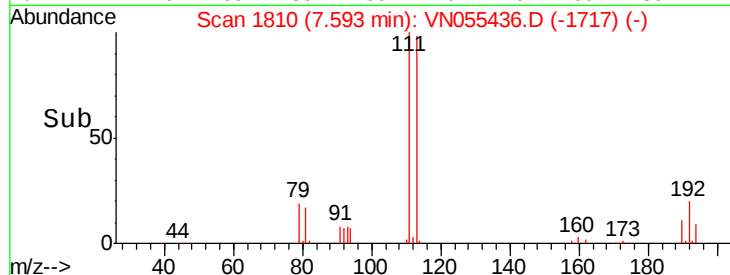
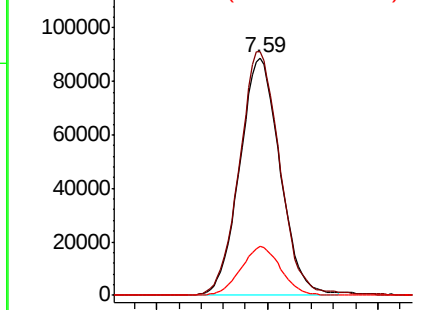


Abundance

Ion 112.80 (112.50 to 113.50): V

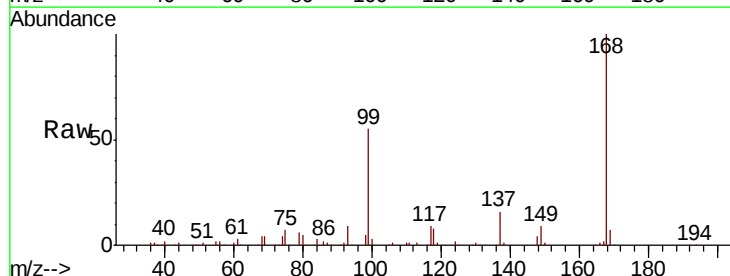
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 5.261 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055436.D
 Acq: 7 May 2019 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.8	50.4#
77	0.0	25.0	37.6#

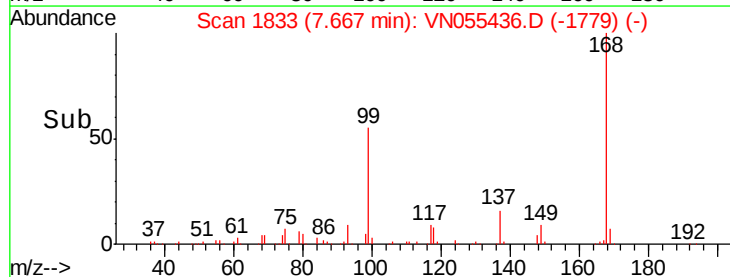
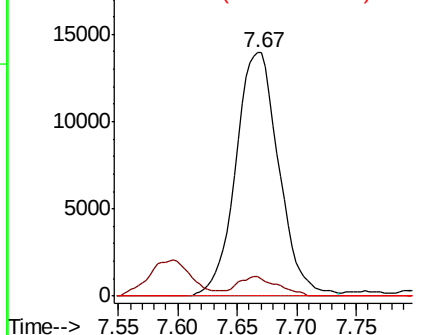


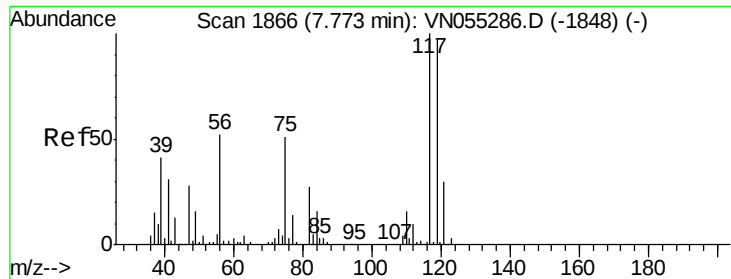
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.834 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055436.D

Acq: 7 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-W5-6(17-20)

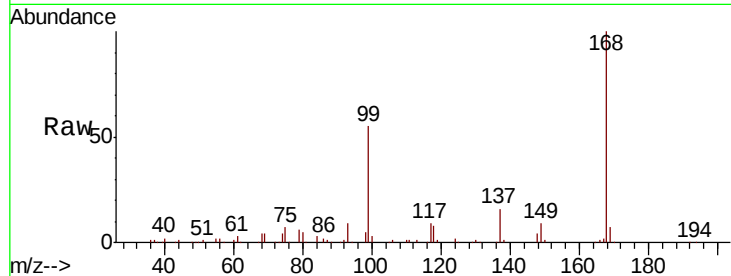
Tot Ion:117 Resp: 43887

Ion Ratio Lower Upper

117 100

119 5.7 77.0 115.6#

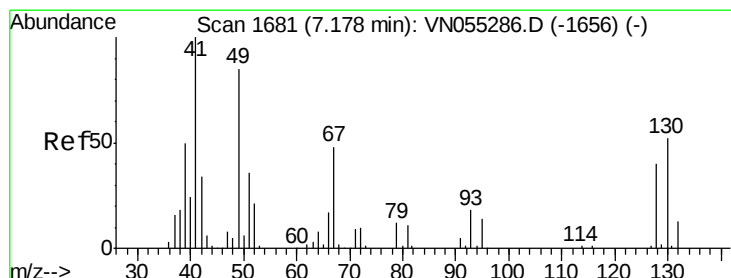
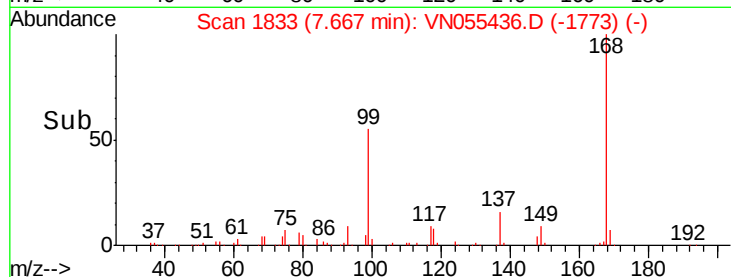
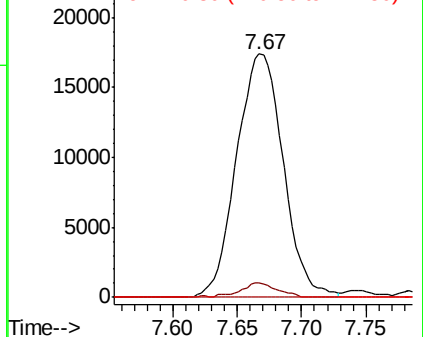
121 0.0 23.8 35.8#



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: 0.750 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.04 min

Lab File: VN055436.D

Acq: 7 May 2019 14:39

Tgt Ion: 41 Resp: 29

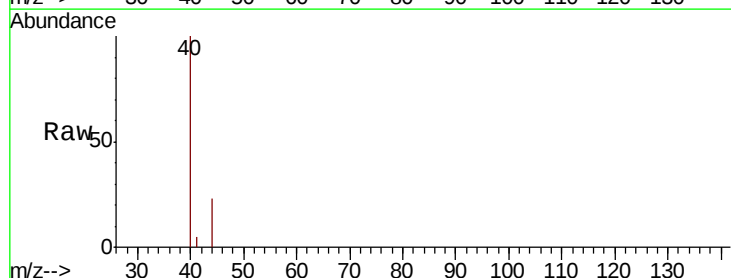
Ion Ratio Lower Upper

41 100

39 427.6 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#

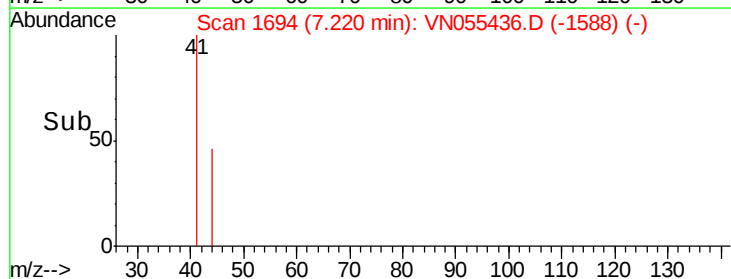
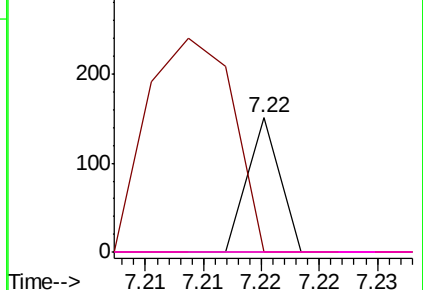


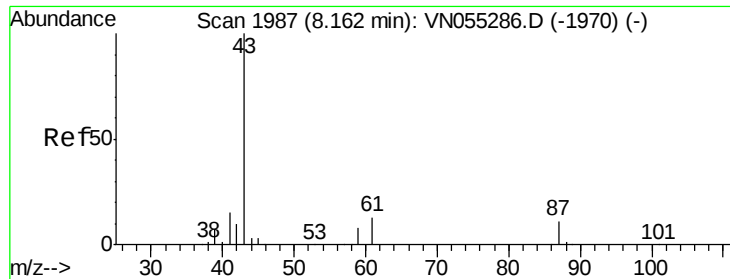
Abundance Ion 41.00 (40.70 to 41.70): V

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: 0.630 ug/l

RT: 8.23 min Scan# 2007

Delta R.T. 0.06 min

Lab File: VN055436.D

Acq: 7 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-W5-6(17-20)

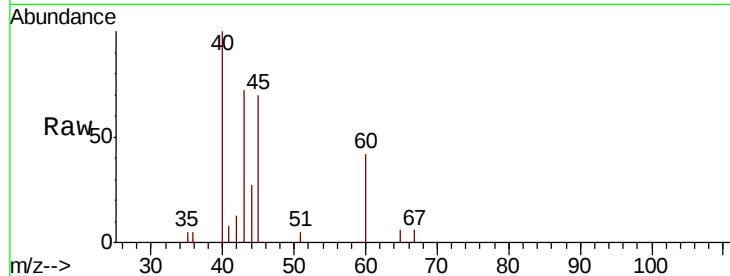
Tot Ion: 43 Resp: 5164

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

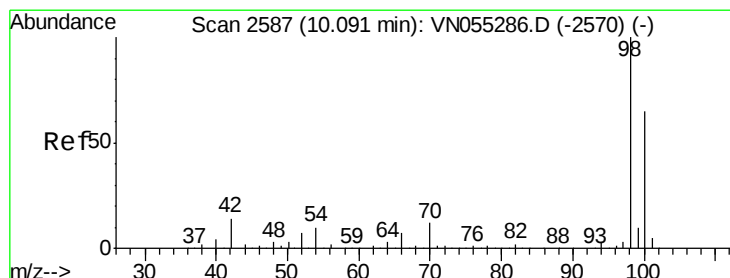
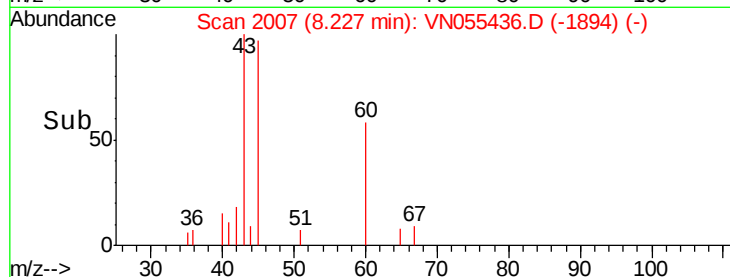
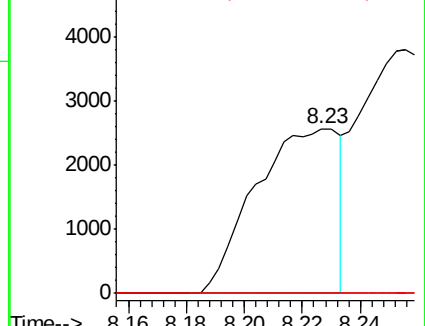
87 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 49.308 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055436.D

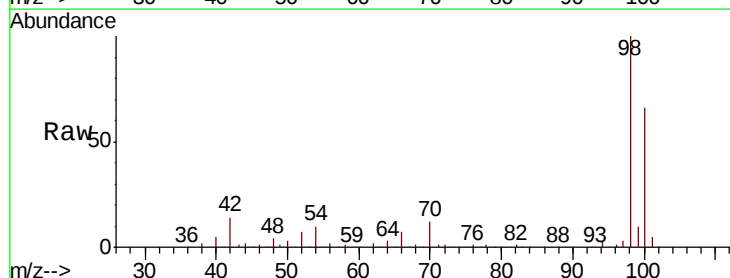
Acq: 7 May 2019 14:39

Tgt Ion: 98 Resp: 812203

Ion Ratio Lower Upper

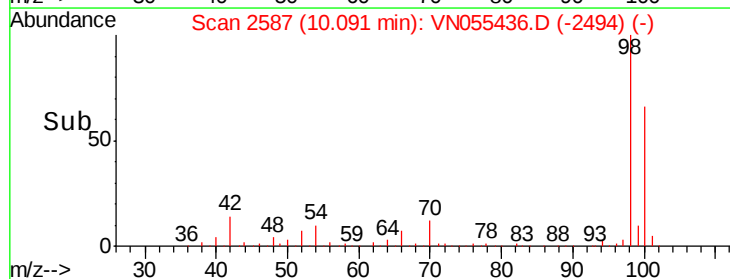
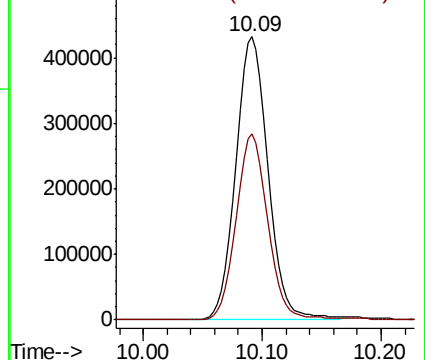
98 100

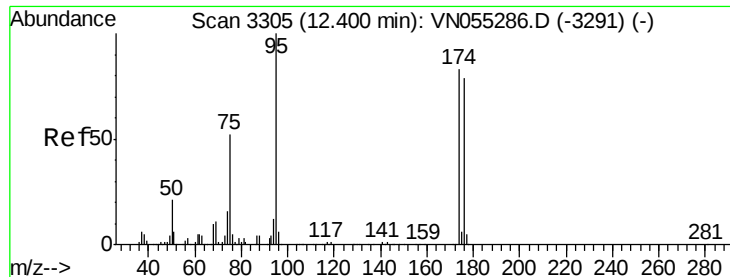
100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 45.327 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055436.D

Acq: 7 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-W5-6(17-20)

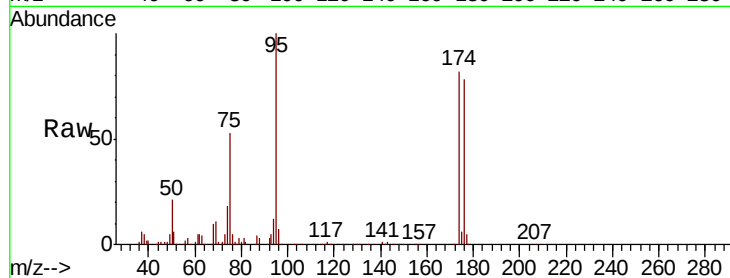
Tot Ion: 95 Resp: 233349

Ion Ratio Lower Upper

95 100

174 82.1 0.0 166.6

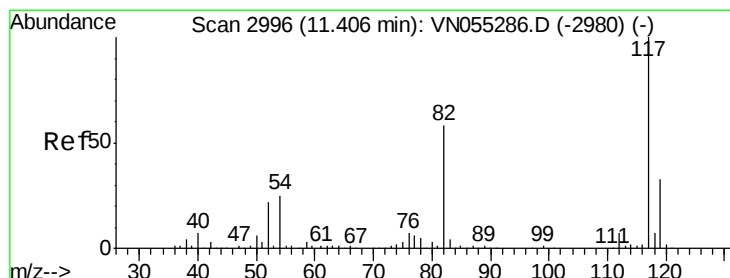
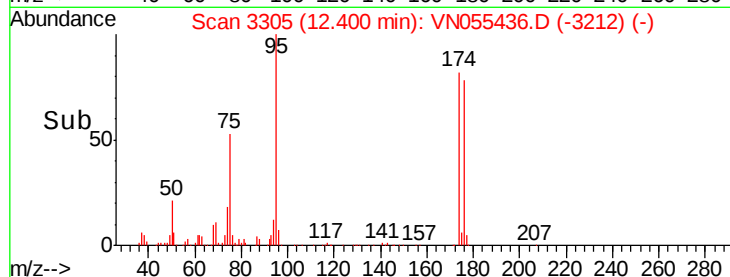
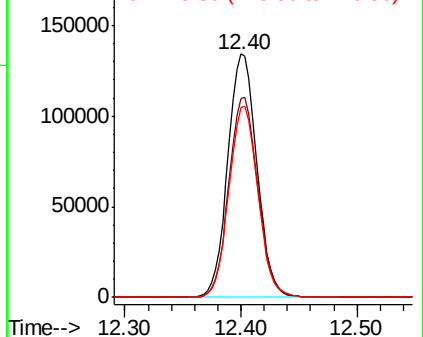
176 78.2 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055436.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055436.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055436.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055436.D

Acq: 7 May 2019 14:39

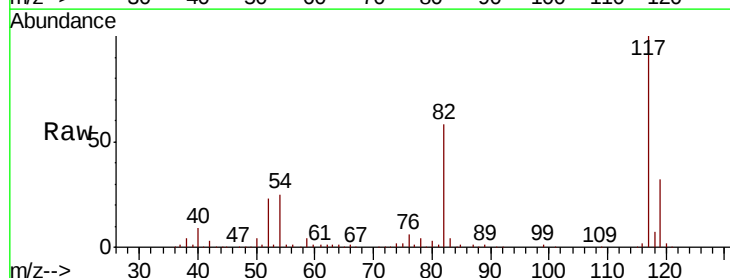
Tgt Ion: 117 Resp: 563480

Ion Ratio Lower Upper

117 100

82 58.0 46.2 69.4

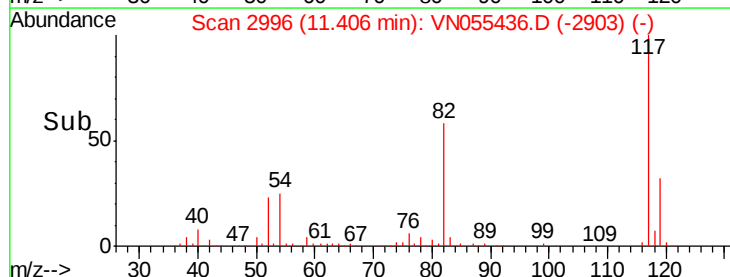
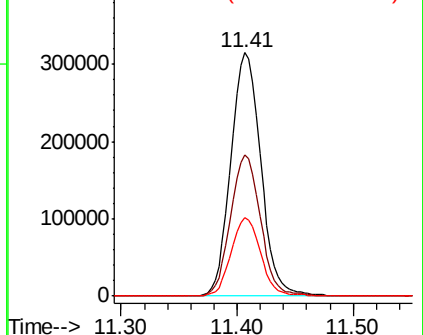
119 32.2 26.6 40.0

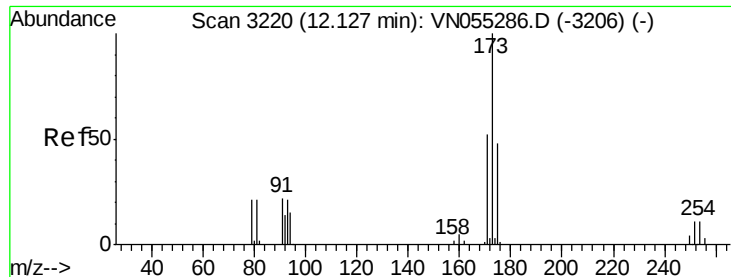


Abundance Ion 116.90 (116.60 to 117.60): VN055436.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055436.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055436.D (-2903) (-)





#71

Bromoform

Concen: 0.378 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN055436.D

Acq: 7 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-W5-6(17-20)

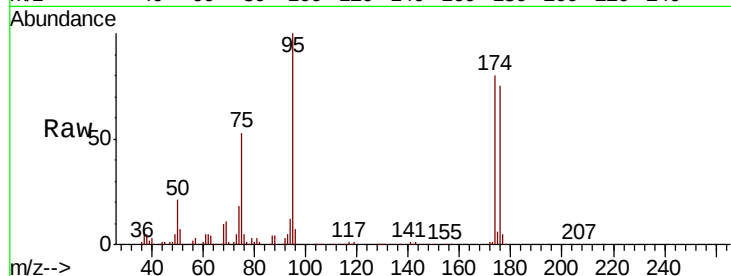
Tot Ion:173 Resp: 905

Ion Ratio Lower Upper

173 100

175 0.0 23.6 71.0#

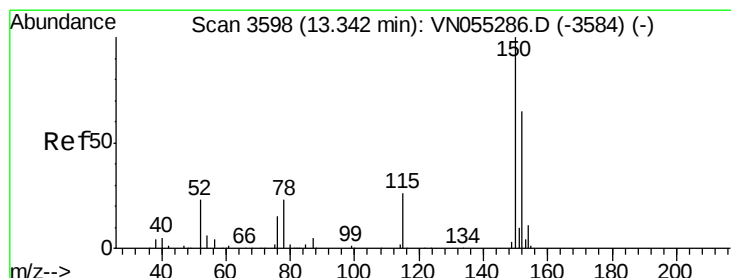
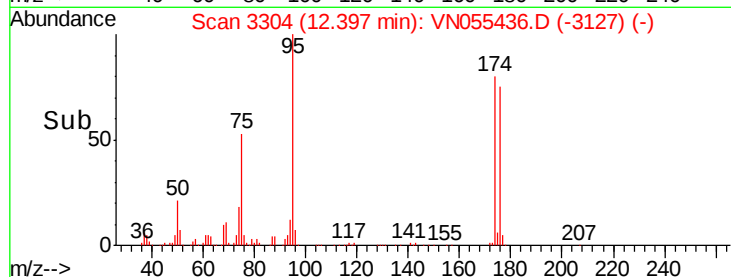
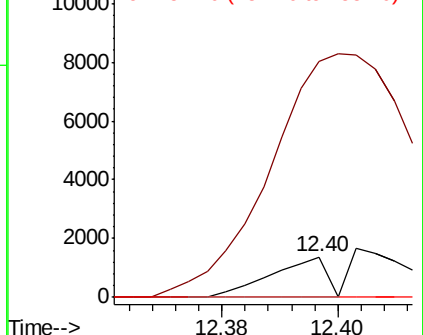
254 0.0 0.0 0.0



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: VN055436.D

Acq: 7 May 2019 14:39

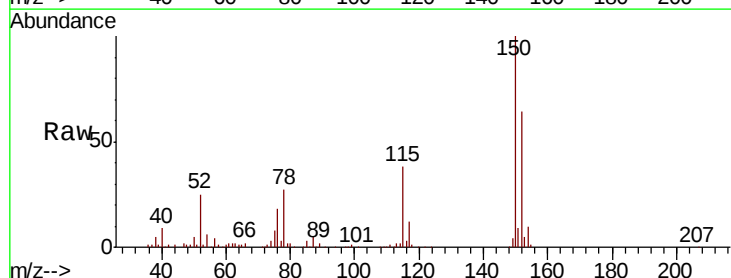
Tgt Ion:152 Resp: 149025

Ion Ratio Lower Upper

152 100

115 58.9 29.0 87.0

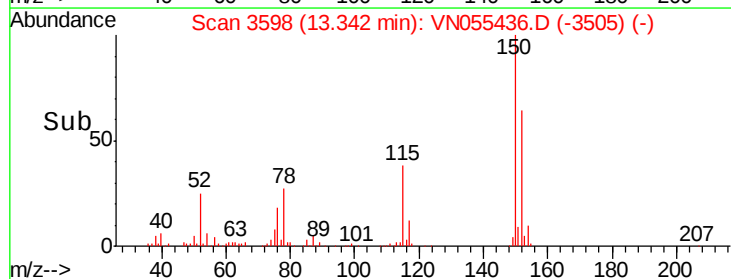
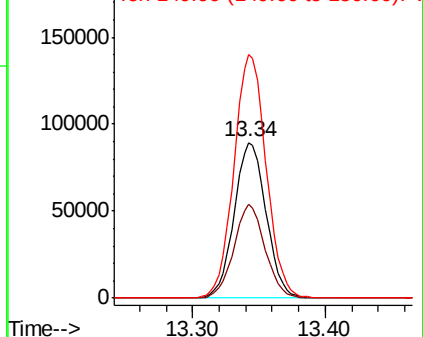
150 158.3 0.0 345.6

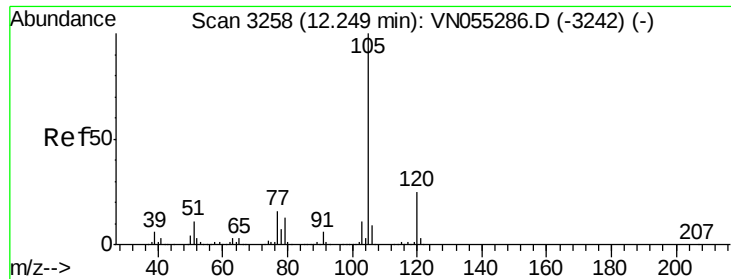


Abundance Ion 151.90 (151.60 to 152.60): V

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: VN055436.D

Acq: 7 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

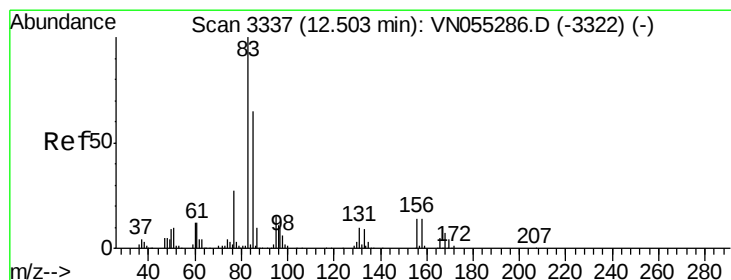
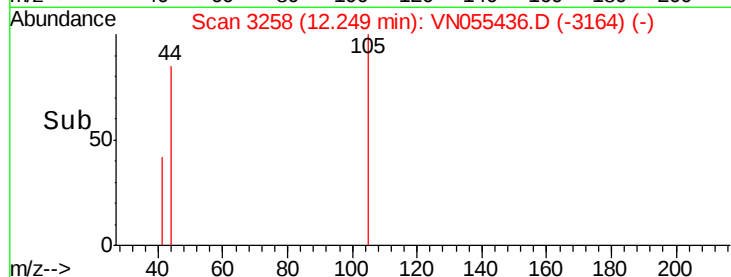
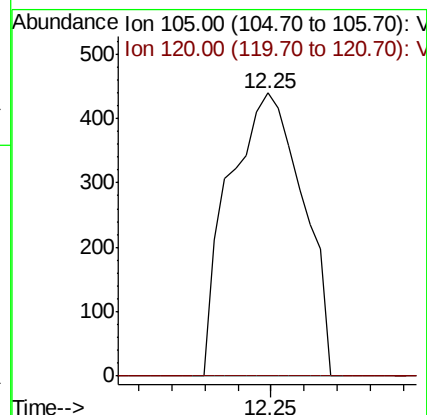
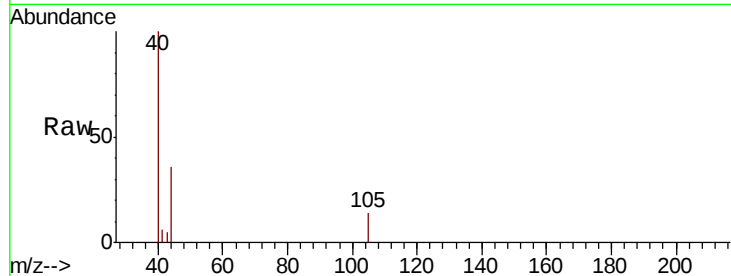
EP1-SB-W5-6(17-20)

Tot Ion:105 Resp: 680

Ion Ratio Lower Upper

105 100

120 0.0 12.9 38.7#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN055436.D

Acq: 7 May 2019 14:39

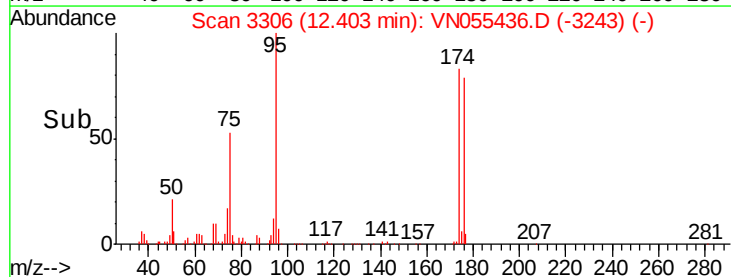
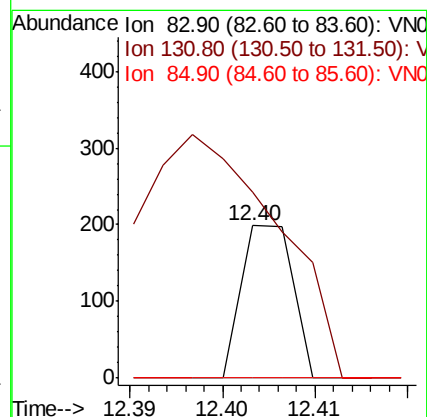
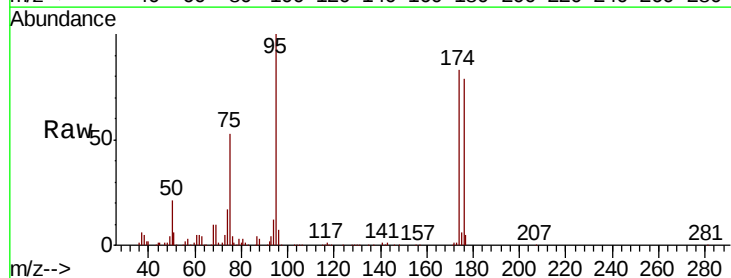
Tgt Ion: 83 Resp: 77

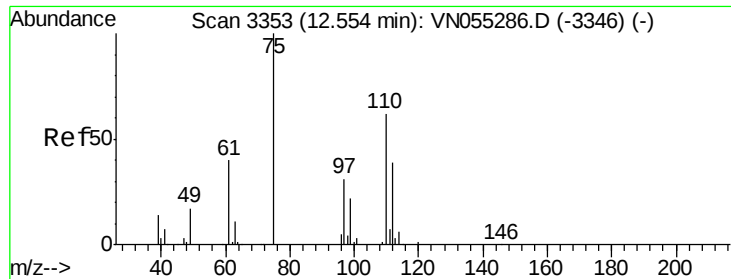
Ion Ratio Lower Upper

83 100

131 416.9 5.1 15.2#

85 0.0 32.3 96.8#





#76

1,2,3-Trichloropropane

Concen: 44.772 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055436.D

Acq: 7 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

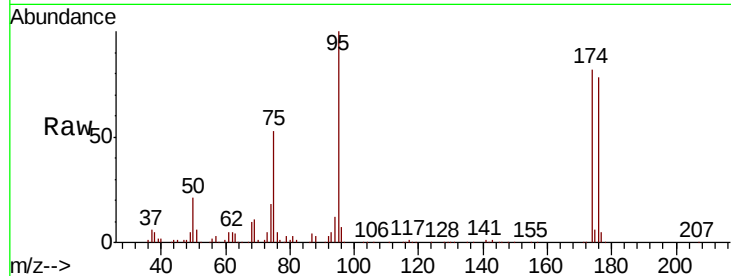
EP1-SB-W5-6(17-20)

Tot Ion: 75 Resp: 124747

Ion Ratio Lower Upper

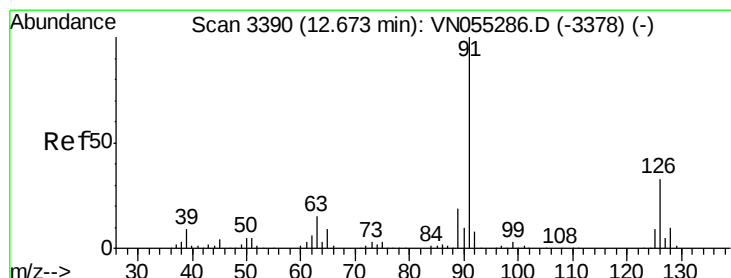
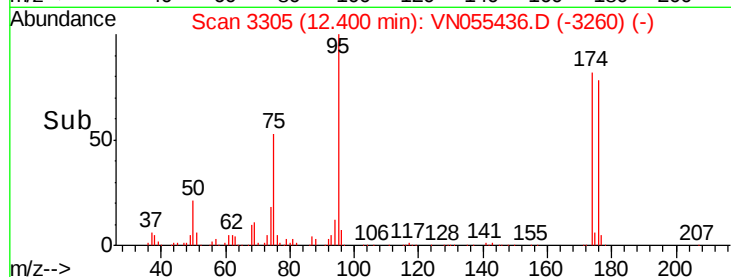
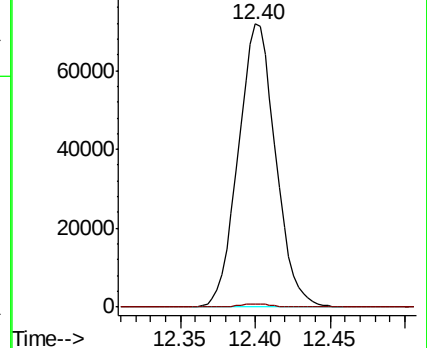
75 100

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: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN055436.D

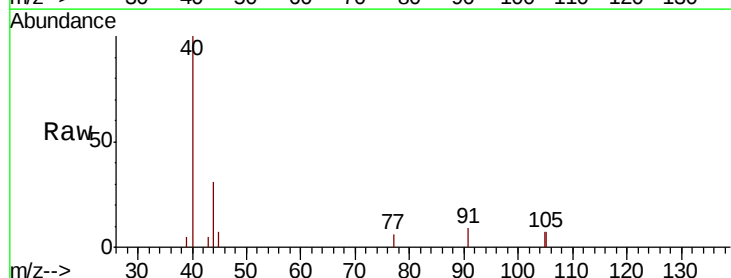
Acq: 7 May 2019 14:39

Tgt Ion: 91 Resp: 391

Ion Ratio Lower Upper

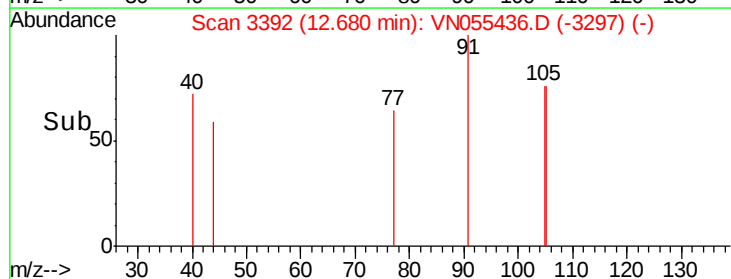
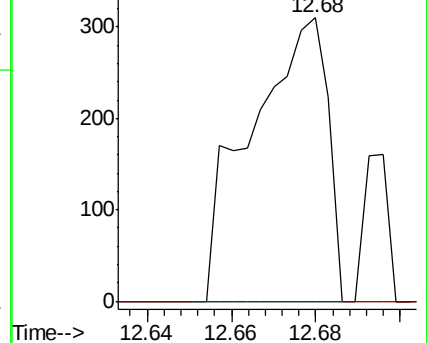
91 100

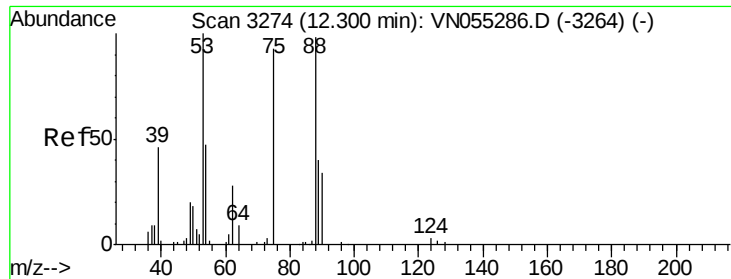
126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

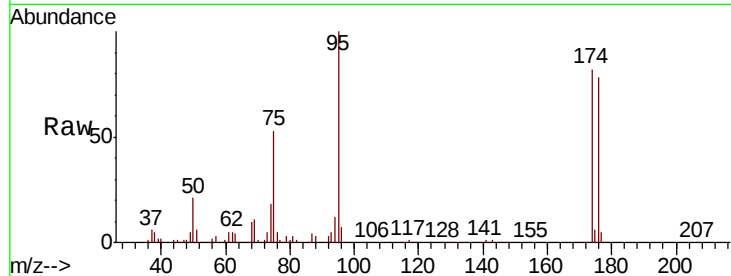




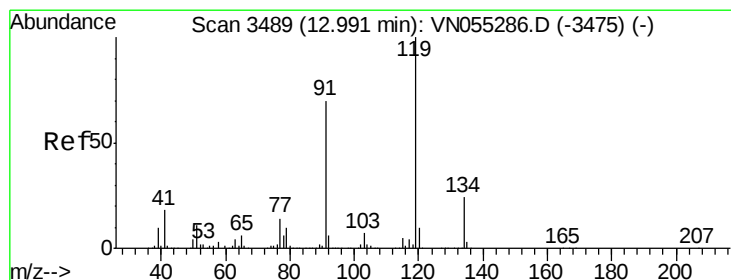
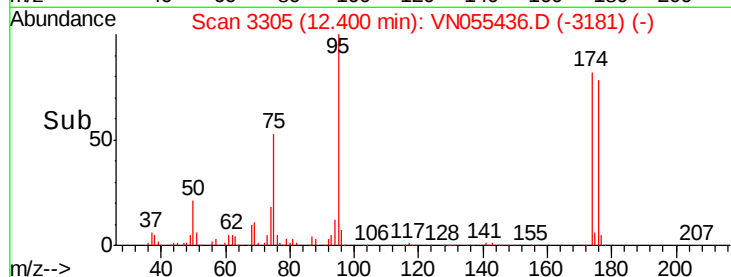
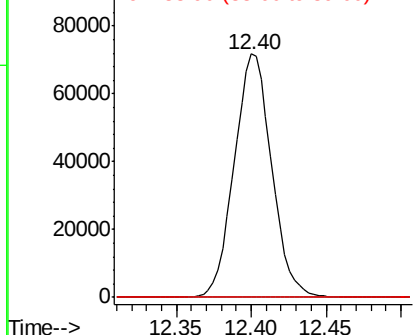
#81
trans-1,4-Dichloro-2-butene
Concen: 158.634 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN055436.D
Acq: 7 May 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-W5-6(17-20)

Tot Ion: 75 Resp: 124747
Ion Ratio Lower Upper
75 100
53 0.0 86.3 129.5#
89 0.0 34.6 51.8#

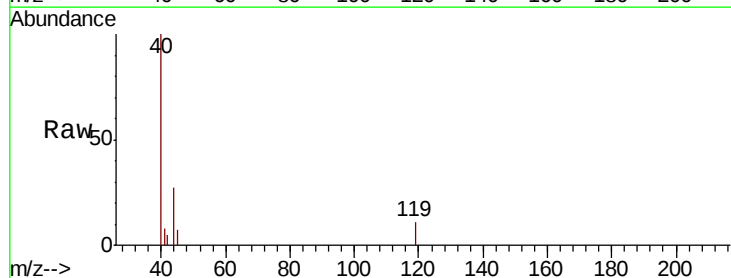


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

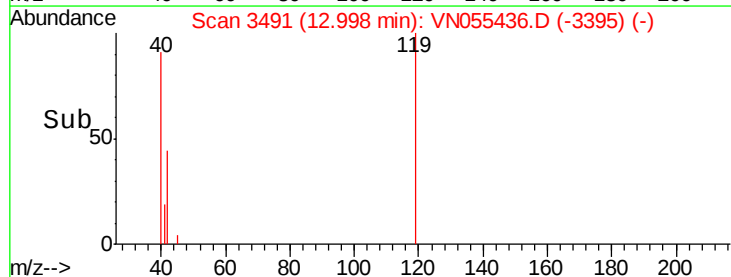
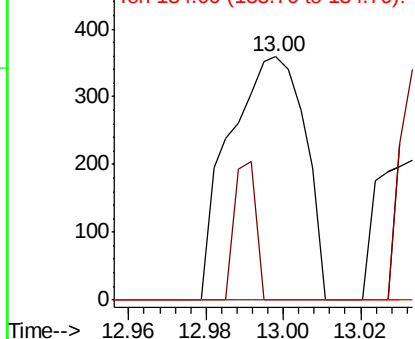


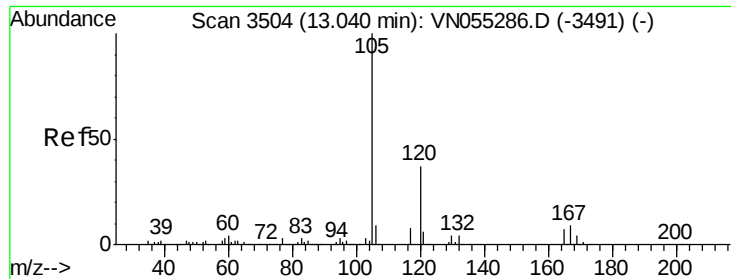
#83
tert-Butylbenzene
Concen: Below Cal
RT: 13.00 min Scan# 3491
Delta R.T. 0.01 min
Lab File: VN055436.D
Acq: 7 May 2019 14:39

Tgt Ion: 119 Resp: 488
Ion Ratio Lower Upper
119 100
91 15.8 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

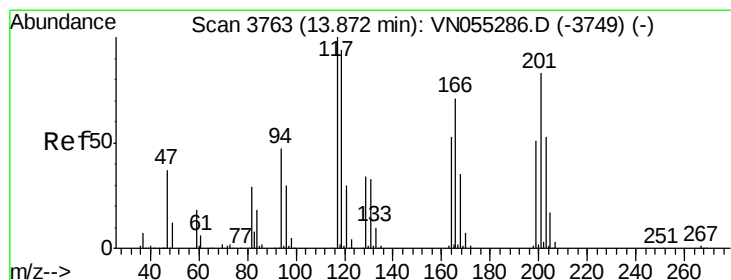
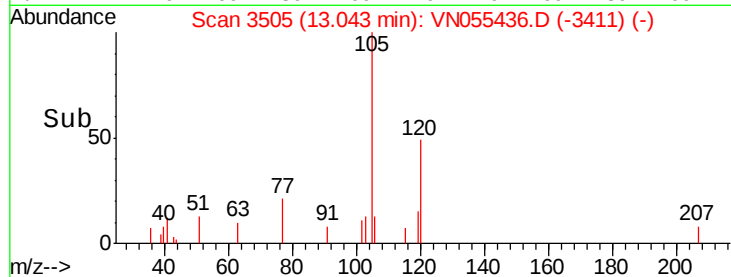
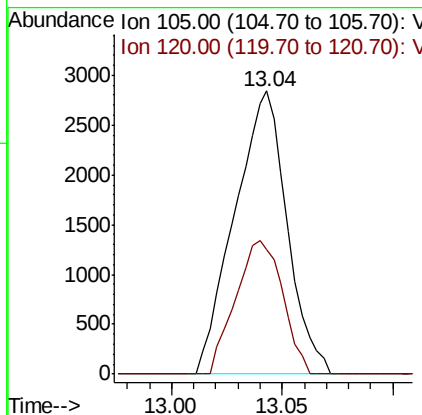
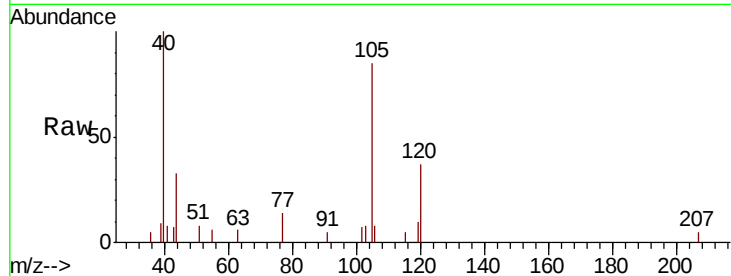




#84
 1,2,4-Trimethylbenzene
 Concen: 0.449 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN055436.D
 Acq: 7 May 2019 14:39

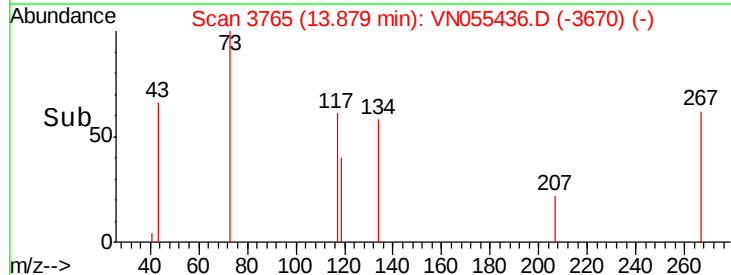
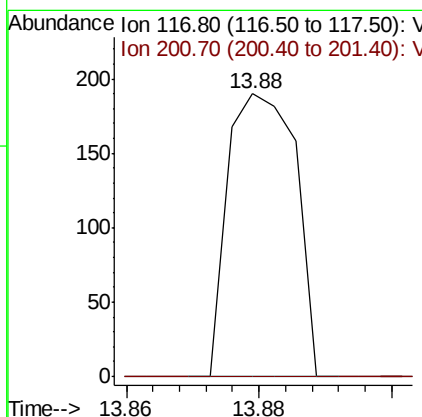
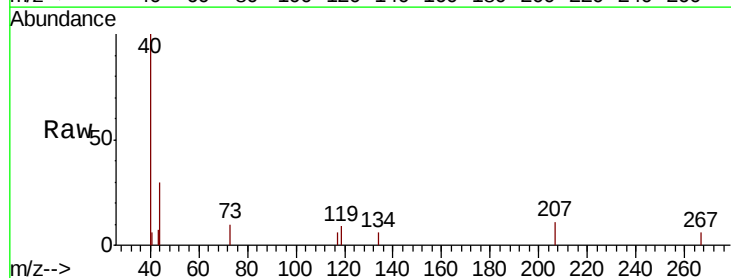
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-W5-6(17-20)

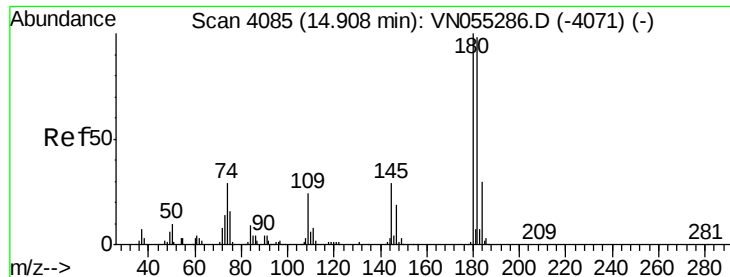
Tot Ion:105 Resp: 4687
 Ion Ratio Lower Upper
 105 100
 120 42.3 22.1 66.5



#90
 Hexachloroethane
 Concen: Below Cal
 RT: 13.88 min Scan# 3765
 Delta R.T. 0.01 min
 Lab File: VN055436.D
 Acq: 7 May 2019 14:39

Tgt Ion:117 Resp: 135
 Ion Ratio Lower Upper
 117 100
 201 0.0 41.9 125.8#

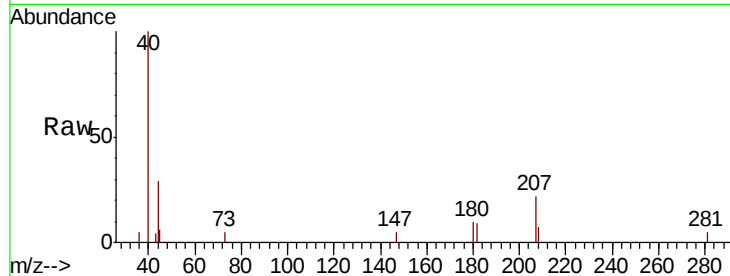




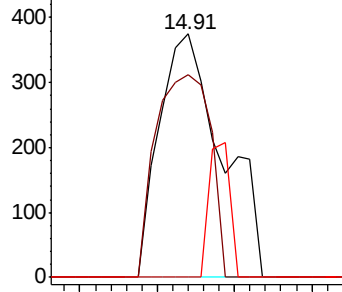
#93
 1,2,4-Trichlorobenzene
 Concen: 3.515 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055436.D
 Acq: 7 May 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-W5-6(17-20)

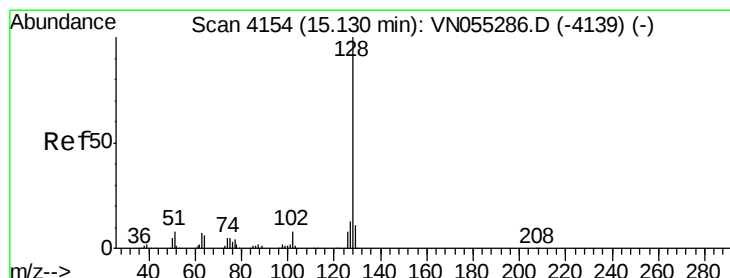
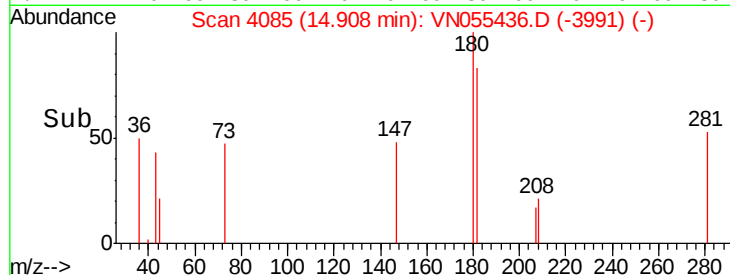
Tot Ion	Ratio	Lower	Upper
180	100		
182	72.3	48.3	144.9
145	18.3	14.2	42.6



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

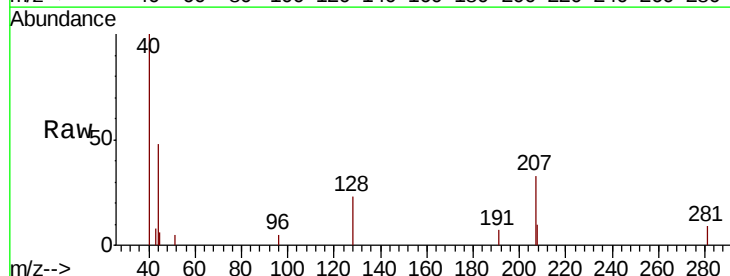


Time-->

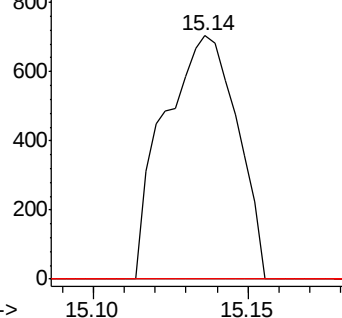


#95
 Naphthalene
 Concen: 3.590 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN055436.D
 Acq: 7 May 2019 14:39

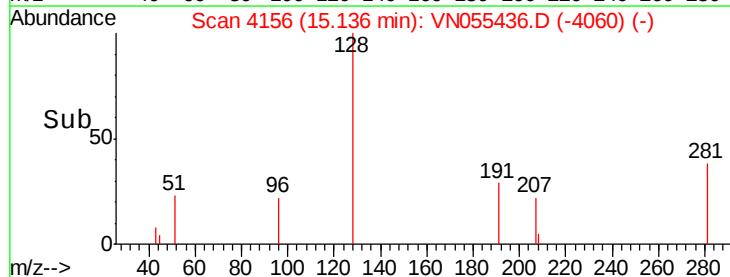
Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.6	13.0#

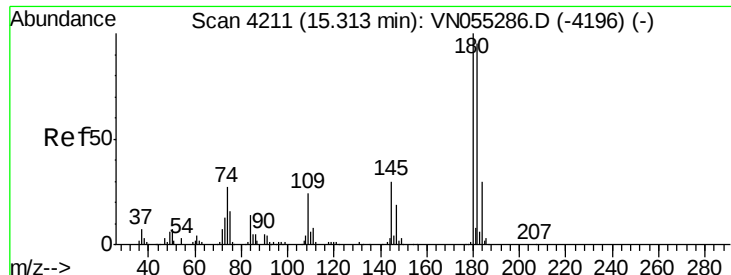


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 2.735 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055436.D
 Acq: 7 May 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-W5-6(17-20)

Tot Ion	Ratio	Lower	Upper
180	100		
182	60.3	48.3	144.9
145	0.0	15.2	45.6#

