

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055407.D
 Acq On : 6 May 2019 10:19
 Operator : JC/SP
 Sample : VN0506WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBL01

Quant Time: May 07 01:06:58 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	481140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	823704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	770202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	220398	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	331257	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
35) Dibromofluoromethane	7.59	113	271347	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	10.09	98	1029300	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.40	95	335308	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	

Target Compounds

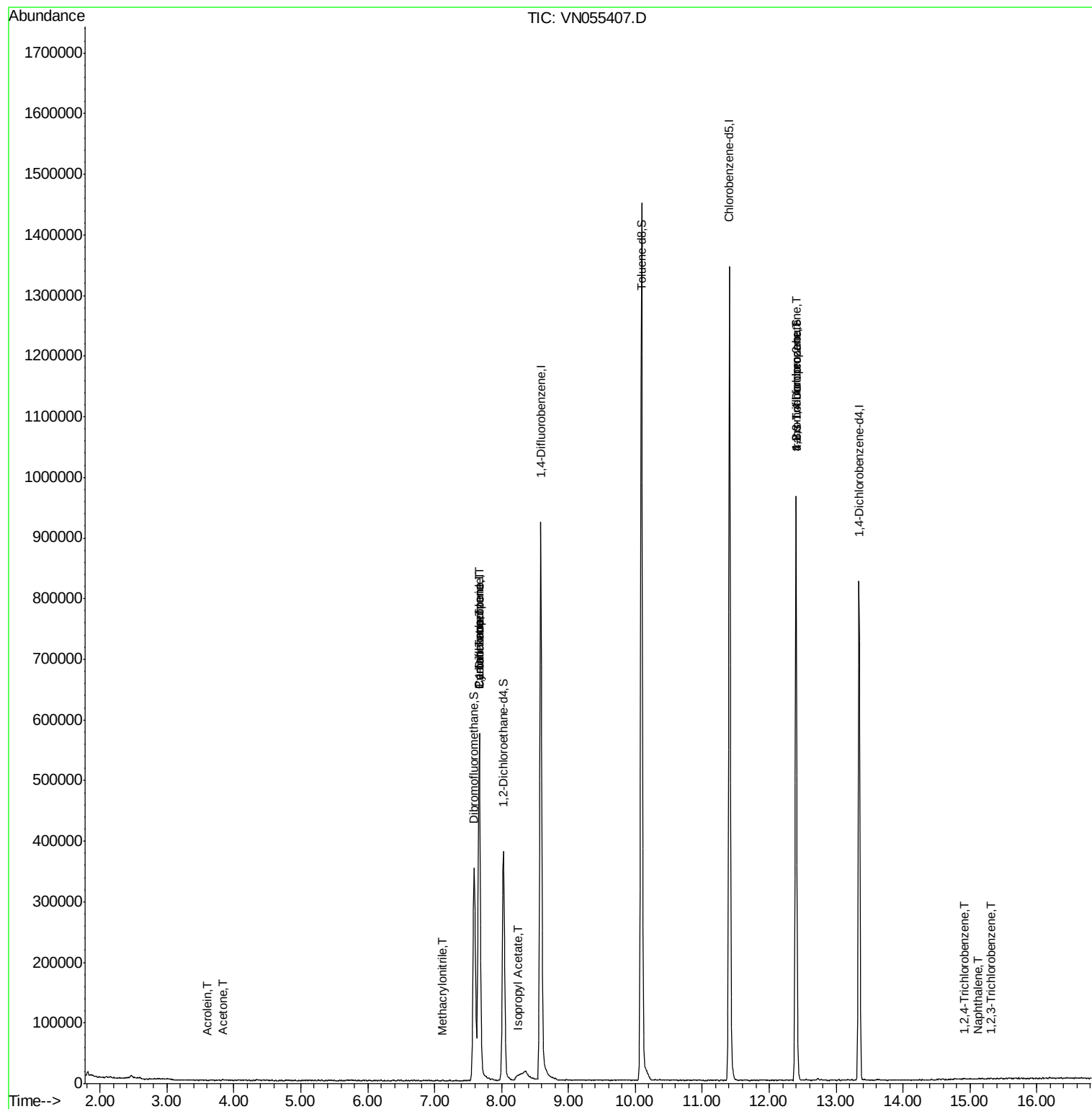
						Qvalue
13) Acrolein	3.60	56	73	0.259	ug/l #	14
16) Acetone	3.83	43	595	0.303	ug/l #	45
18) Methyl Acetate	4.34	43	2580	Below Cal	#	62
31) Cyclohexane	7.67	56	10487	1.059	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	37046	4.695	ug/l #	51
38) Carbon Tetrachloride	7.66	117	46941	6.168	ug/l #	15
41) Methacrylonitrile	7.13	41	118	0.775	ug/l #	35
43) Isopropyl Acetate	8.25	43	8523	0.877	ug/l #	56
73) Isopropylbenzene	12.25	105	632	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	181	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	171223	41.361	ug/l #	100
77) Bromobenzene	12.53	156	71	Below Cal	#	1
79) 2-Chlorotoluene	12.66	91	107	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	171223	147.224	ug/l #	7
83) tert-Butylbenzene	13.00	119	195	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	516	3.478	ug/l #	86
94) Hexachlorobutadiene	15.00	225	200	Below Cal	#	50
95) Naphthalene	15.13	128	1162	3.505	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	569	2.803	ug/l #	81

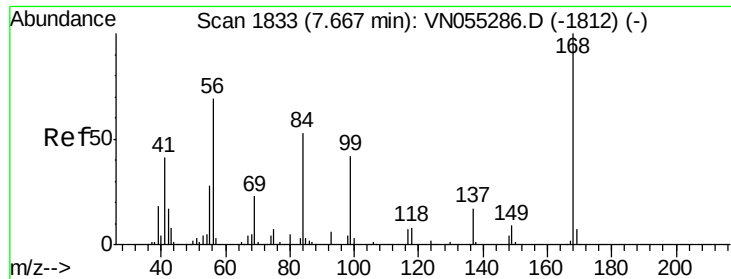
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055407.D

Acq: 6 May 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

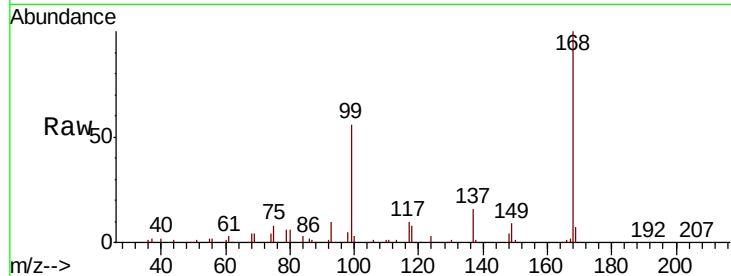
VN0506WBL01

Tot Ion:168 Resp: 481140

Ion Ratio Lower Upper

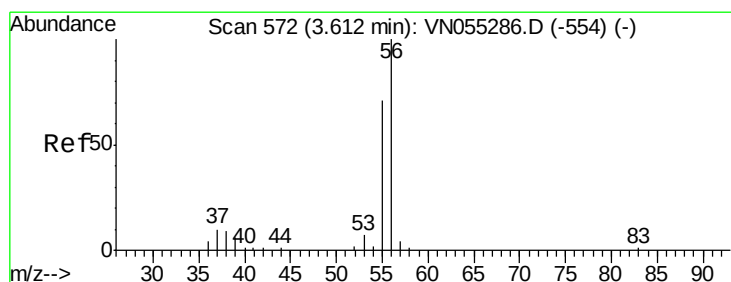
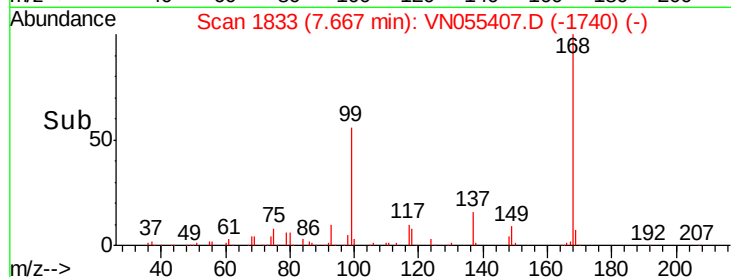
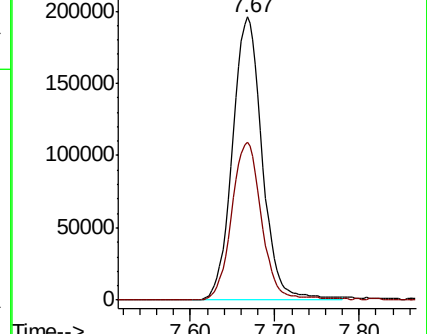
168 100

99 55.6 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#13

Acrolein

Concen: 0.259 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN055407.D

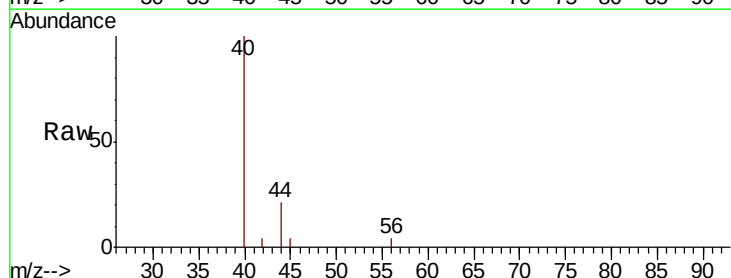
Acq: 6 May 2019 10:19

Tgt Ion: 56 Resp: 73

Ion Ratio Lower Upper

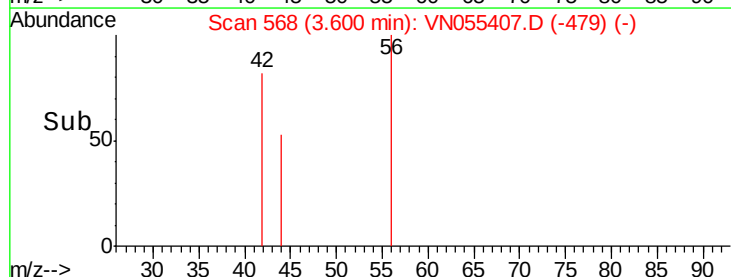
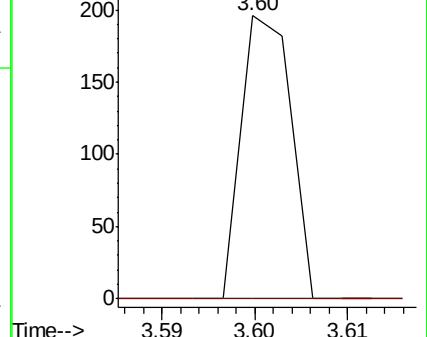
56 100

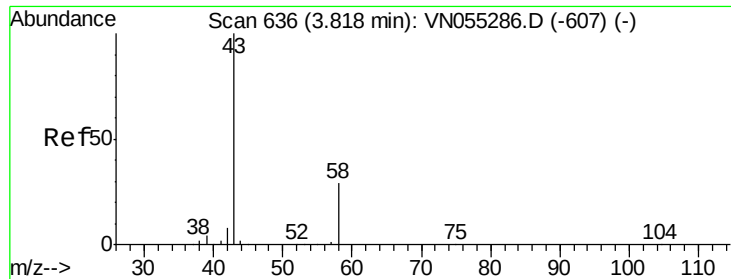
55 0.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

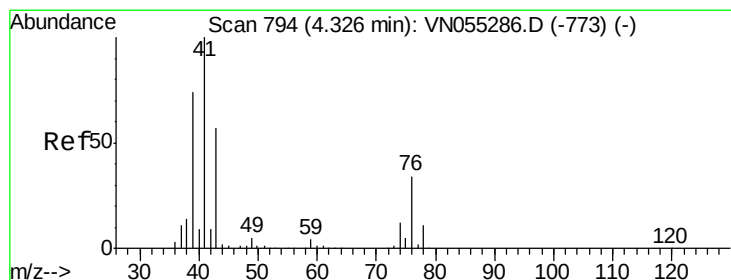
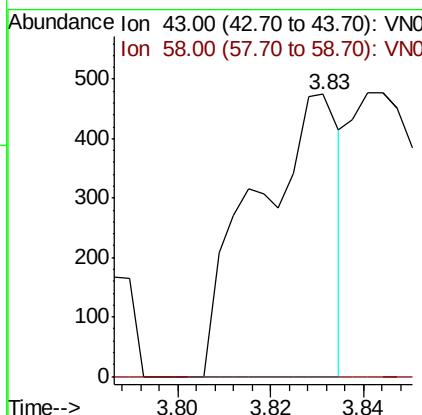
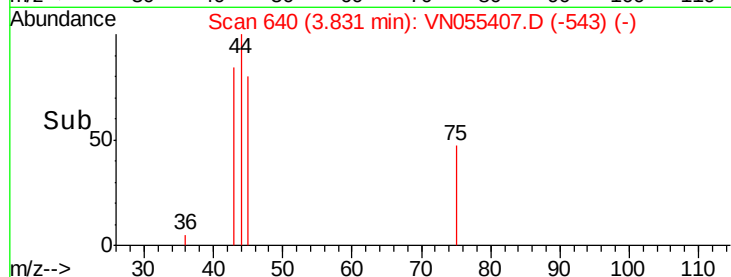
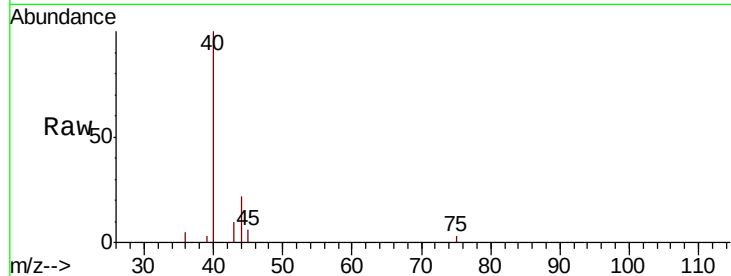




#16
Acetone
Concen: 0.303 ug/l
RT: 3.83 min Scan# 640
Delta R.T. 0.01 min
Lab File: VN055407.D
Acq: 6 May 2019 10:19

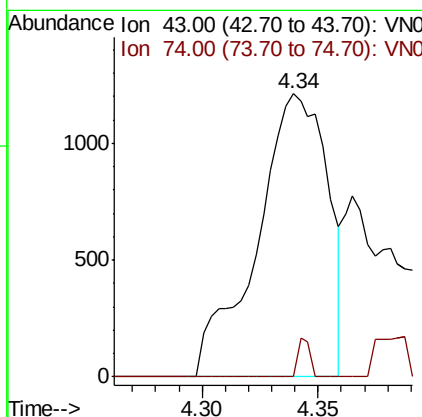
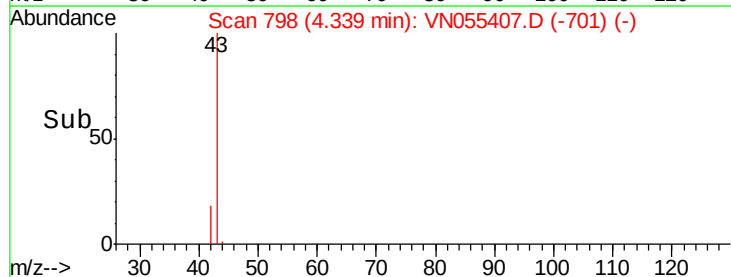
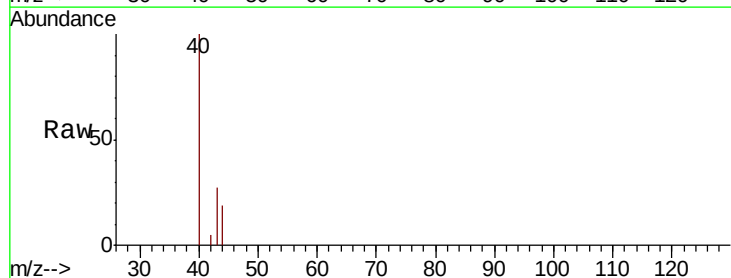
Instrument :
MSVOA_N
ClientSampled :
VN0506WBL01

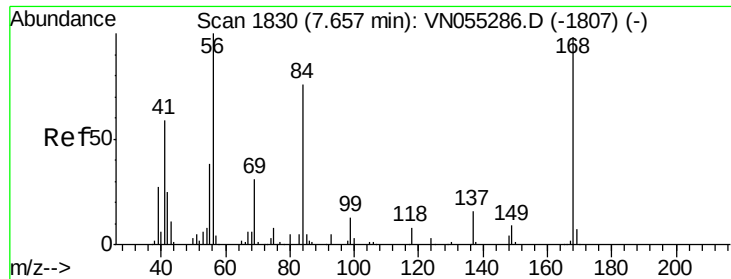
Tot Ion: 43 Resp: 595
Ion Ratio Lower Upper
43 100
58 0.0 23.6 35.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN055407.D
Acq: 6 May 2019 10:19

Tgt Ion: 43 Resp: 2580
Ion Ratio Lower Upper
43 100
74 2.4 15.8 23.8#





#31

Cyclohexane

Concen: 1.059 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN055407.D

Acq: 6 May 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBL01

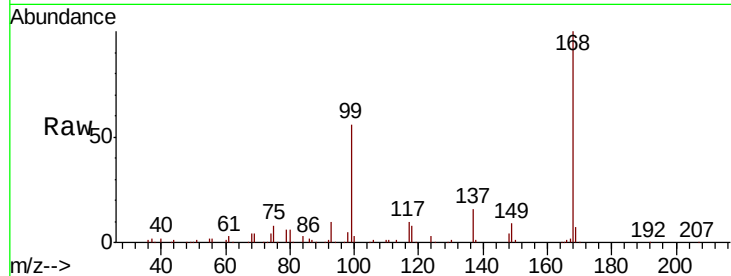
Tot Ion: 56 Resp: 10487

Ion Ratio Lower Upper

56 100

69 156.8 25.2 37.8#

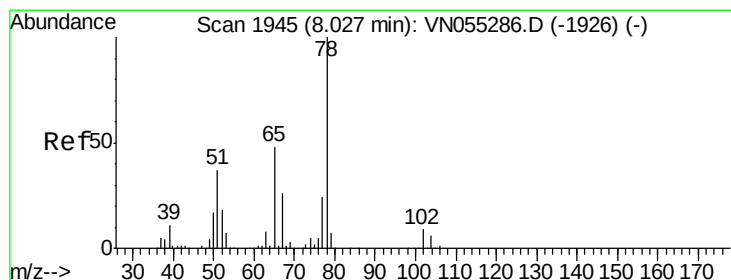
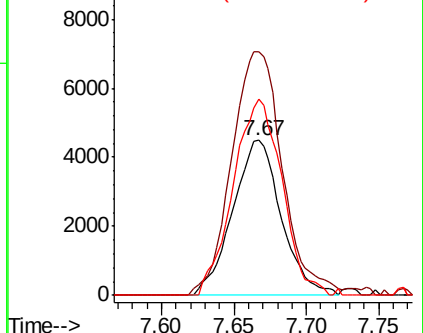
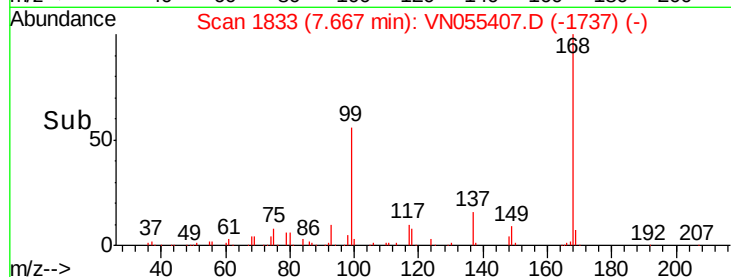
84 126.7 61.1 91.7#



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: 52.627 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055407.D

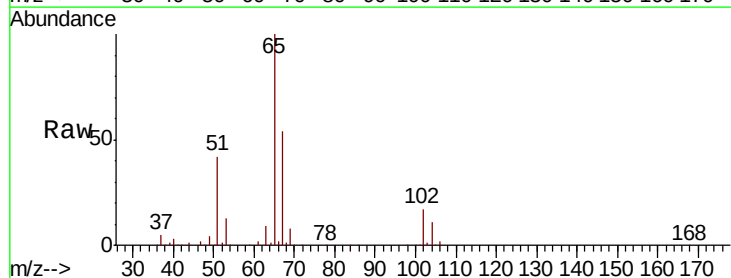
Acq: 6 May 2019 10:19

Tgt Ion: 65 Resp: 331257

Ion Ratio Lower Upper

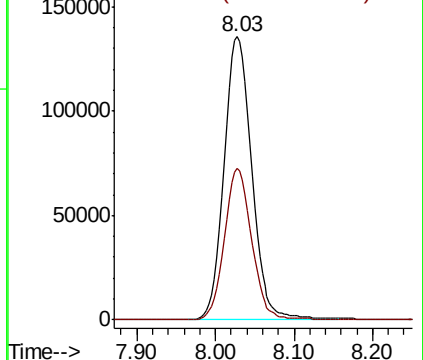
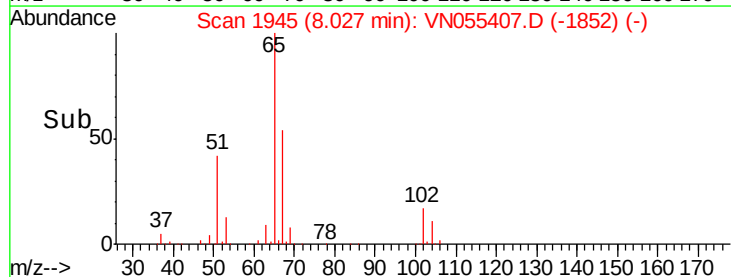
65 100

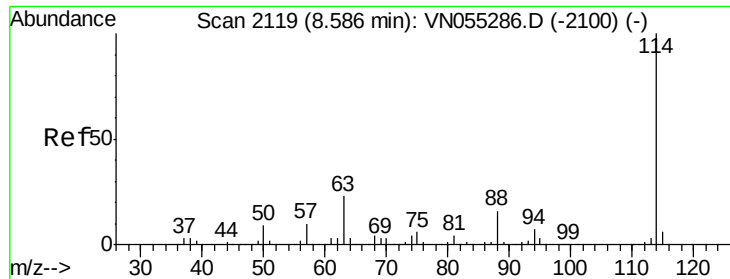
67 52.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

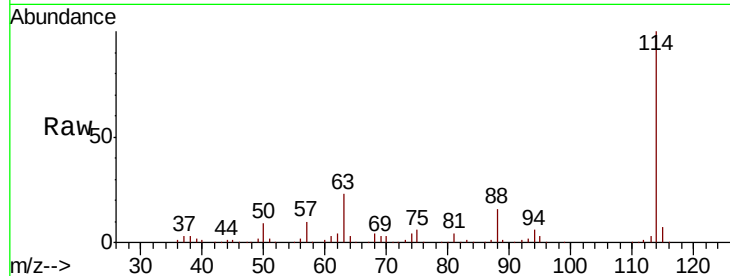




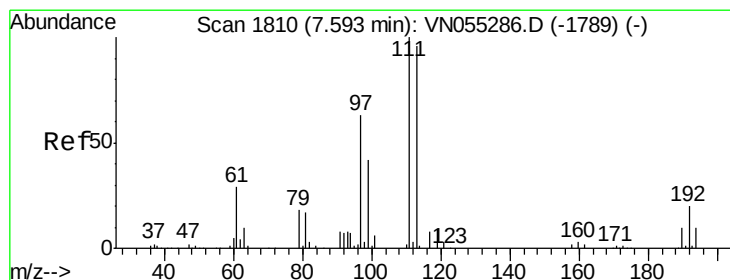
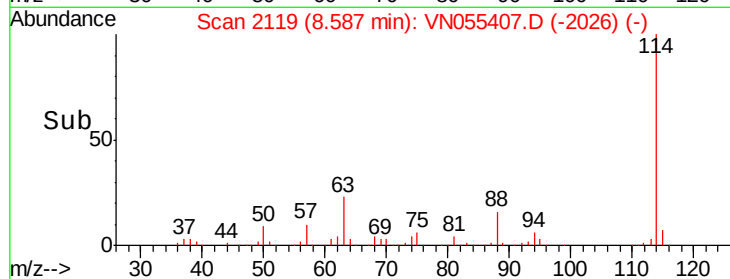
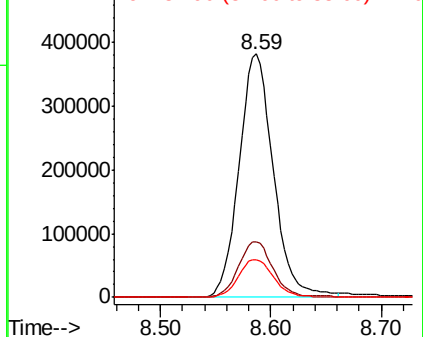
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055407.D
 Acq: 6 May 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBL01

Tot Ion:114 Resp: 823704
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.2
 88 15.7 0.0 31.6

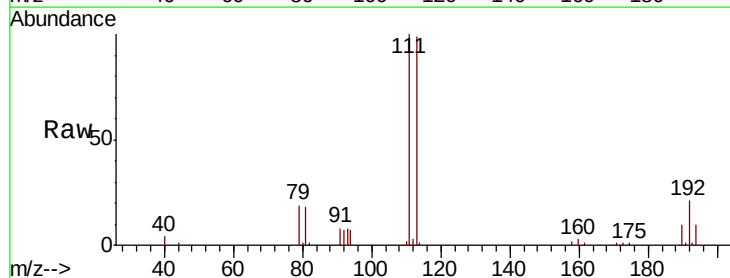


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

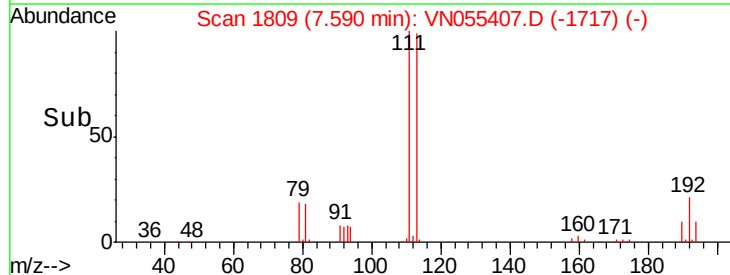
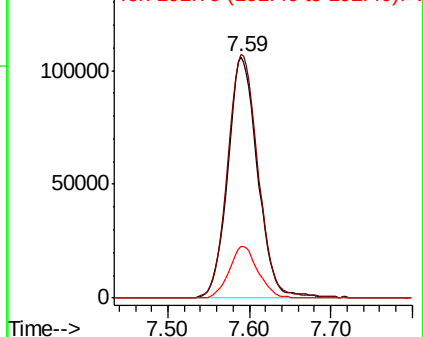


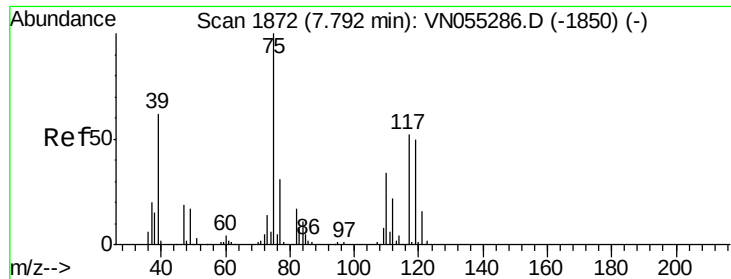
#35
 Dibromofluoromethane
 Concen: 50.189 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055407.D
 Acq: 6 May 2019 10:19

Tgt Ion:113 Resp: 271347
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.3 123.5
 192 20.8 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

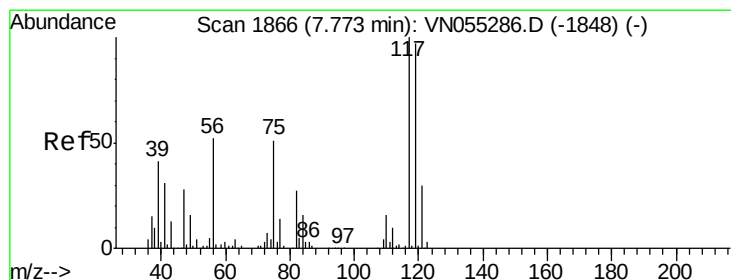
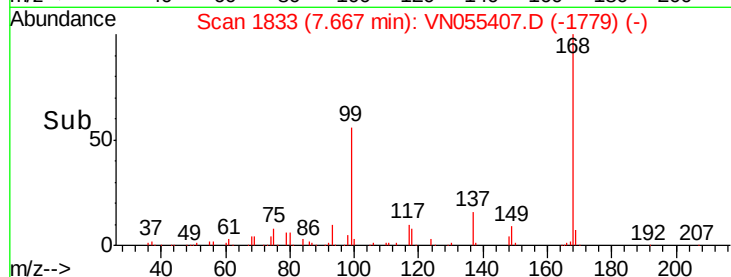
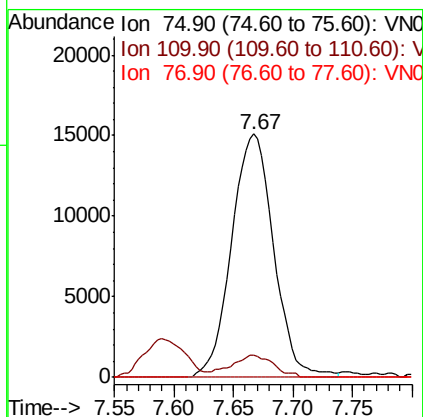
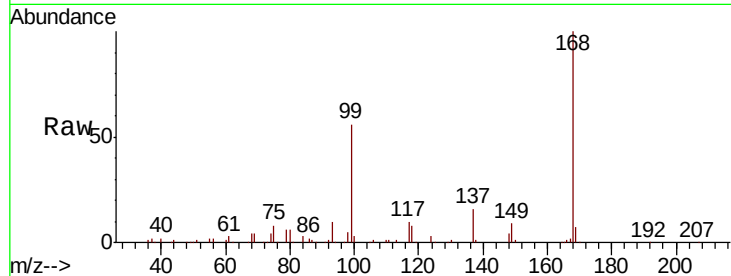




#36
 1,1-Dichloropropene
 Concen: 4.695 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055407.D
 Acq: 6 May 2019 10:19

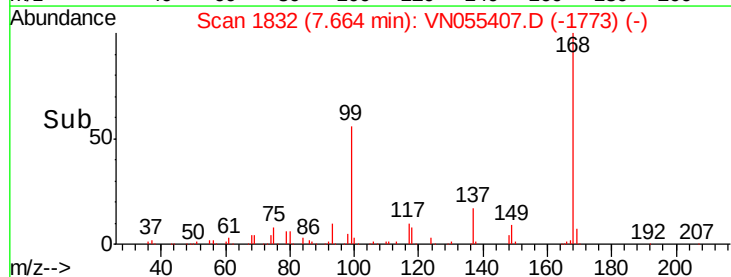
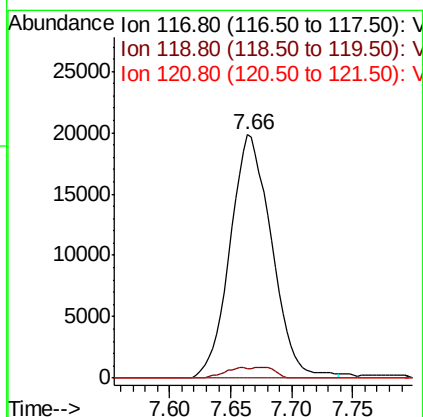
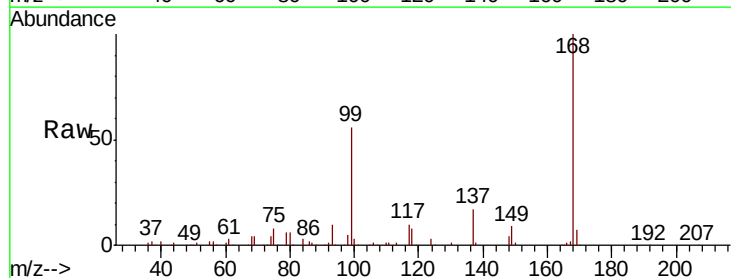
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBL01

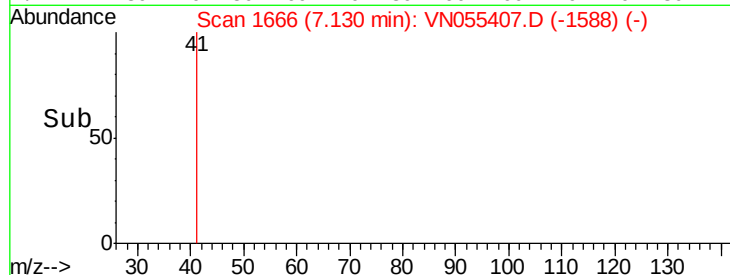
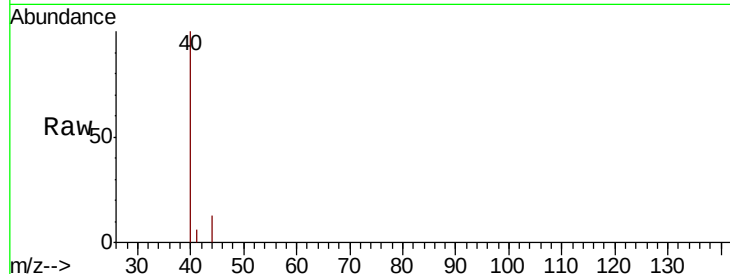
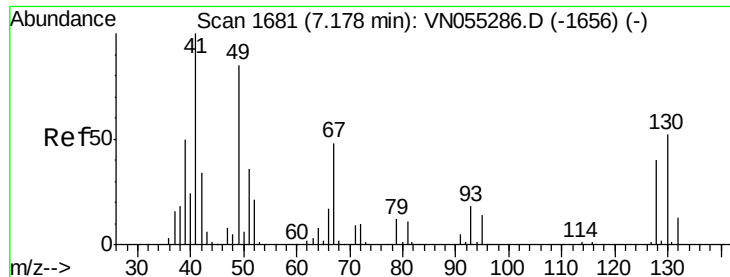
Tot Ion: 75 Resp: 37046
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.8 50.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.168 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055407.D
 Acq: 6 May 2019 10:19

Tgt Ion: 117 Resp: 46941
 Ion Ratio Lower Upper
 117 100
 119 4.0 77.0 115.6#
 121 0.0 23.8 35.8#

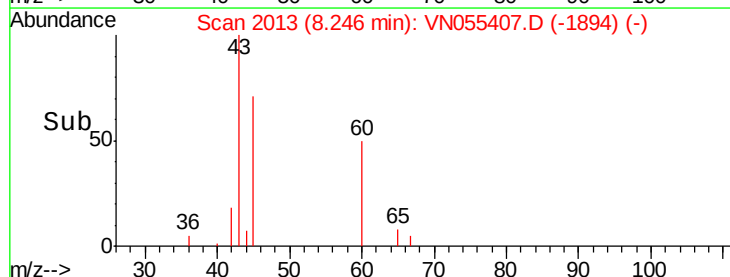
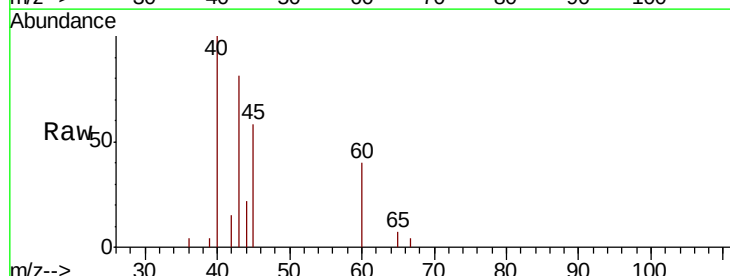
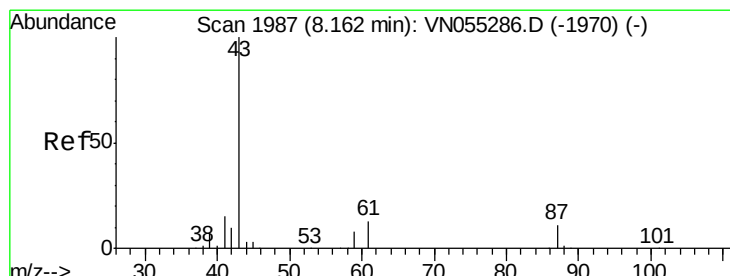
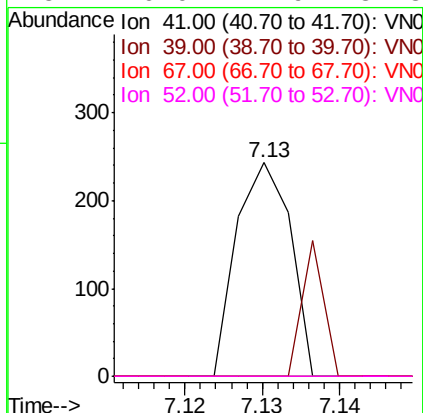




#41
Methacrylonitrile
Concen: 0.775 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. -0.05 min
Lab File: VN055407.D
Acq: 6 May 2019 10:19

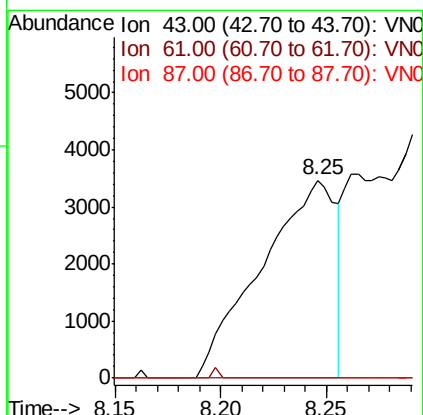
Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

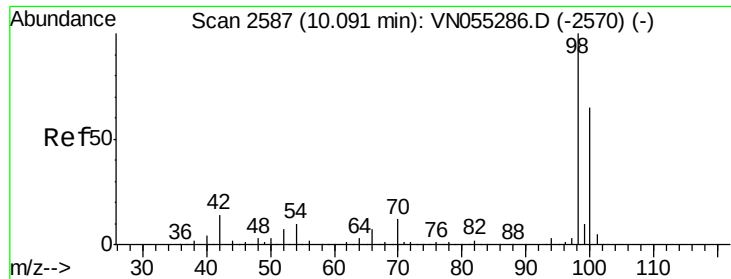
Tot Ion: 41 Resp: 118
Ion Ratio Lower Upper
41 100
39 25.4 48.5 72.7#
67 0.0 54.9 82.3#
52 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 0.877 ug/l
RT: 8.25 min Scan# 2013
Delta R.T. 0.08 min
Lab File: VN055407.D
Acq: 6 May 2019 10:19

Tgt Ion: 43 Resp: 8523
Ion Ratio Lower Upper
43 100
61 0.0 20.8 31.2#
87 0.0 8.5 12.7#





#50

Toluene-d8

Concen: 52.724 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055407.D

Acq: 6 May 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

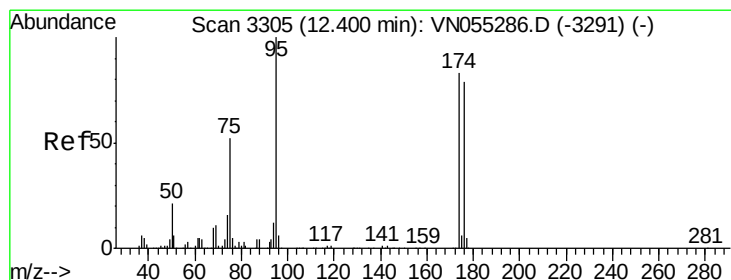
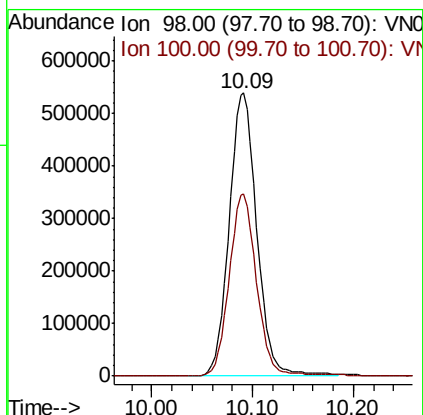
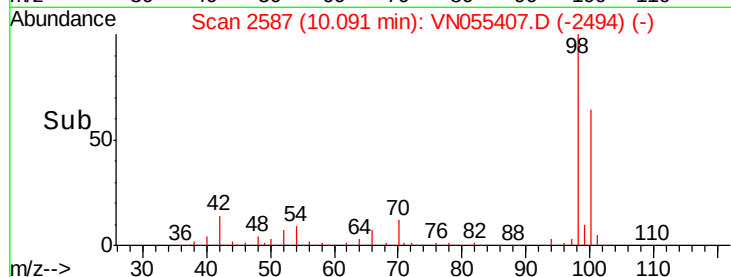
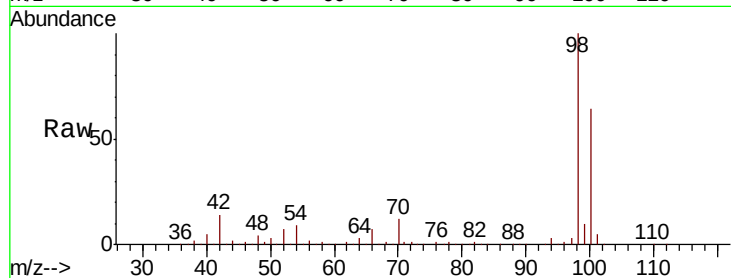
VN0506WBL01

Tot Ion: 98 Resp: 1029300

Ion Ratio Lower Upper

98 100

100 63.8 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 54.956 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055407.D

Acq: 6 May 2019 10:19

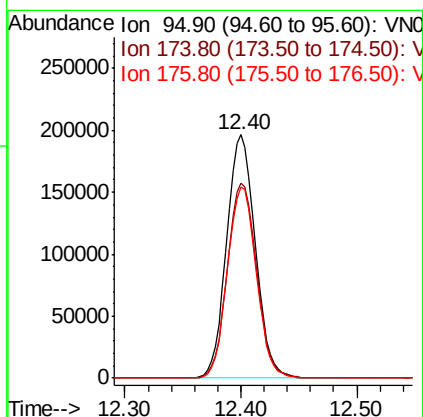
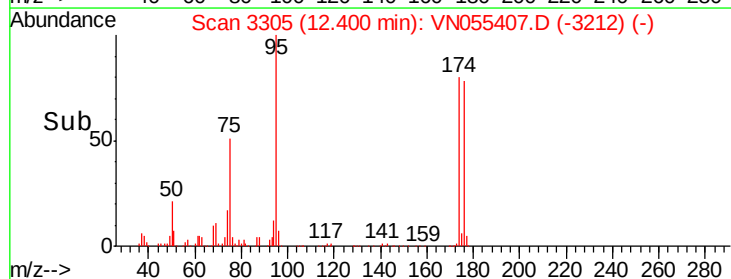
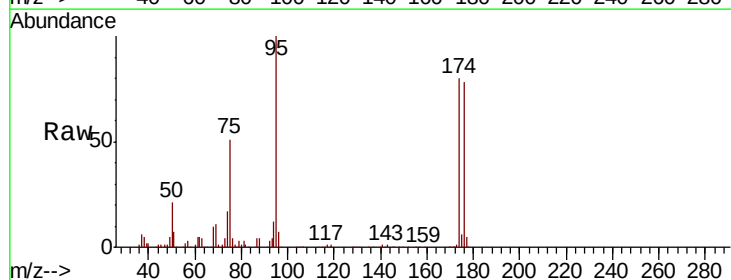
Tgt Ion: 95 Resp: 335308

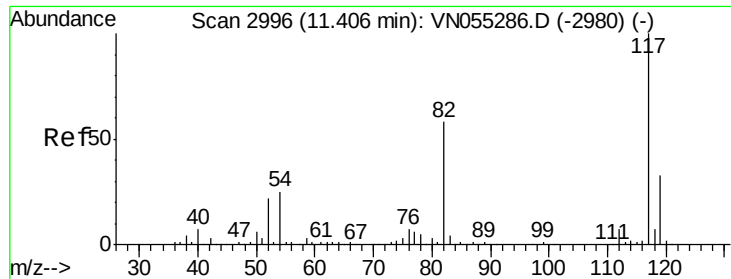
Ion Ratio Lower Upper

95 100

174 81.8 0.0 166.6

176 78.9 0.0 157.8

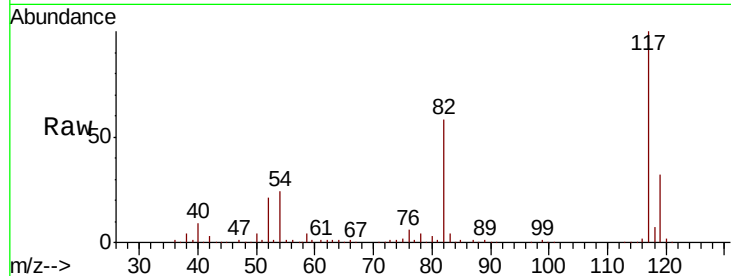




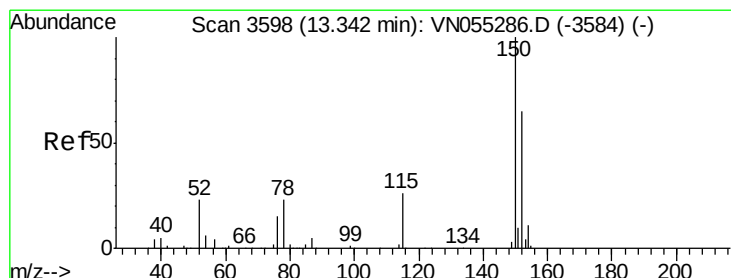
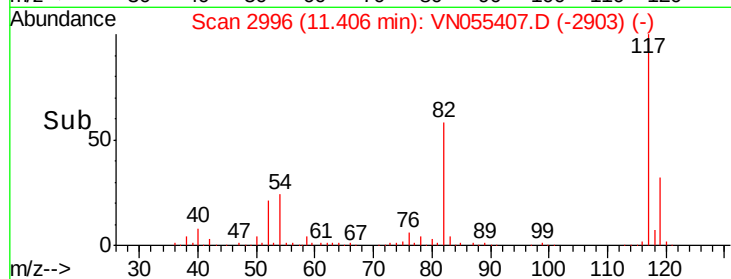
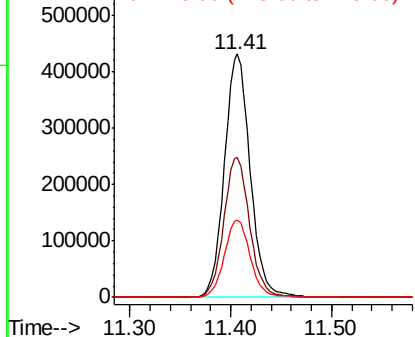
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055407.D
Acq: 6 May 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

Tot Ion:117 Resp: 770202
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.4
119 31.7 26.6 40.0

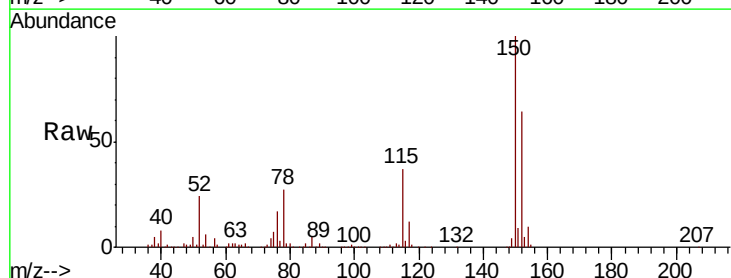


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

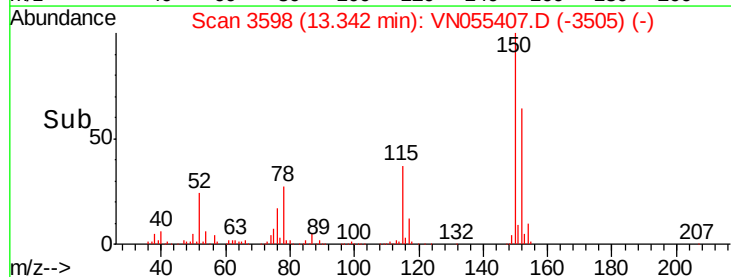
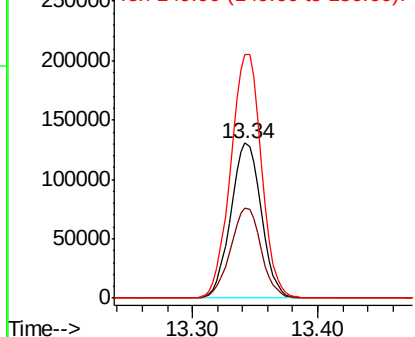


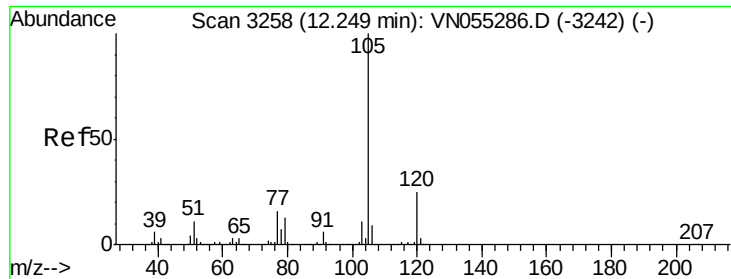
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055407.D
Acq: 6 May 2019 10:19

Tgt Ion:152 Resp: 220398
Ion Ratio Lower Upper
152 100
115 58.5 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# 3259

Delta R.T. 0.00 min

Lab File: VN055407.D

Acq: 6 May 2019 10:19

Instrument :

MSVOA_N

ClientSampled :

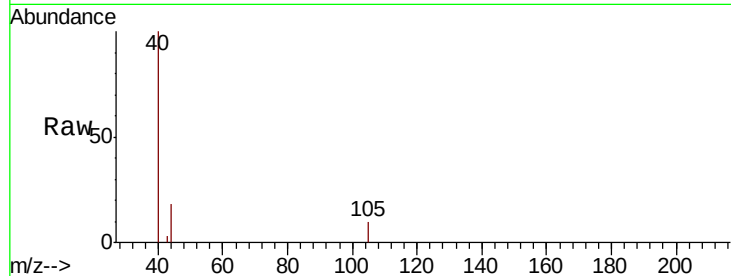
VN0506WBL01

Tot Ion: 105 Resp: 632

Ion Ratio Lower Upper

105 100

120 0.0 12.9 38.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400

300

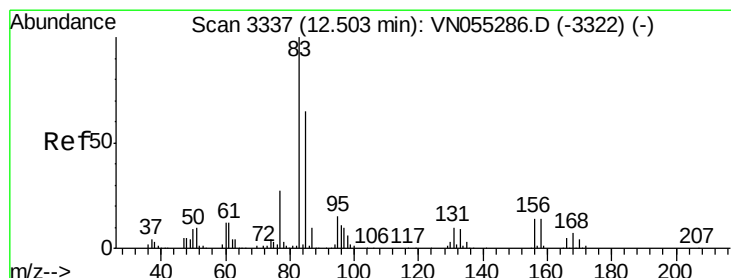
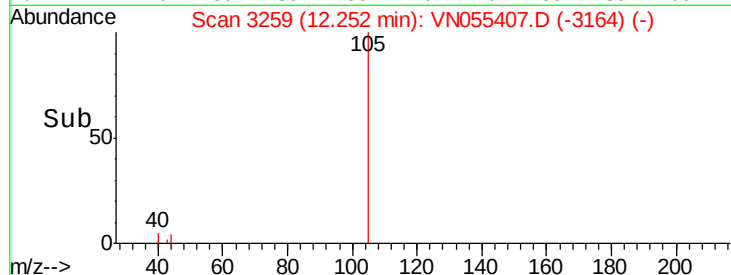
200

100

0

12.22 12.24 12.26 12.28

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.11 min

Lab File: VN055407.D

Acq: 6 May 2019 10:19

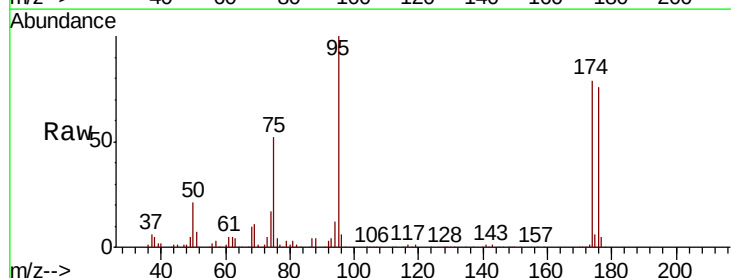
Tgt Ion: 83 Resp: 181

Ion Ratio Lower Upper

83 100

131 119.9 5.1 15.2#

85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

300

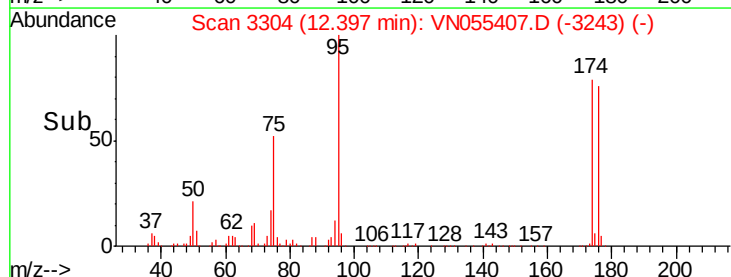
200

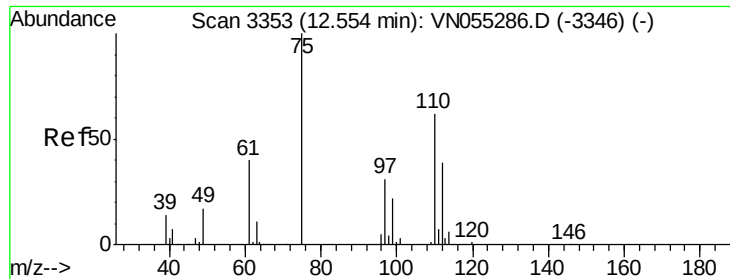
100

0

12.38 12.40 12.42

Time-->





#76

1,2,3-Trichloropropane

Concen: 41.361 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055407.D

Acq: 6 May 2019 10:19

Instrument :

MSVOA_N

ClientSampled :

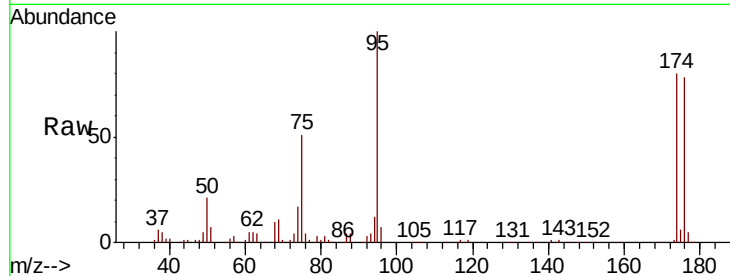
VN0506WBL01

Tot Ion: 75 Resp: 171223

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN055286.D (-3346) (-)

12.40

100000

80000

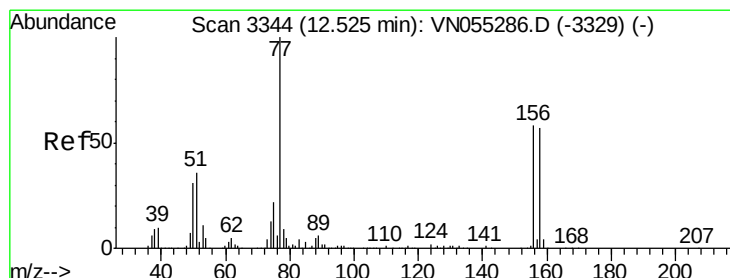
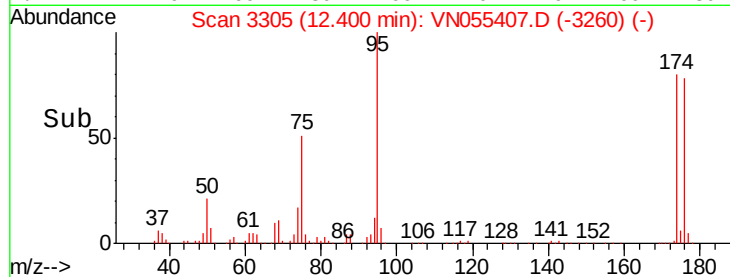
60000

40000

20000

0

Time-->



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN055407.D

Acq: 6 May 2019 10:19

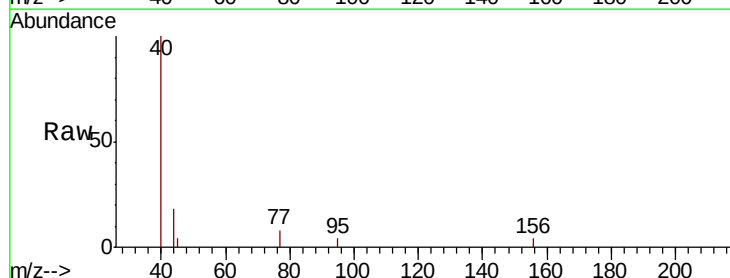
Tgt Ion: 156 Resp: 71

Ion Ratio Lower Upper

156 100

77 722.5 99.6 298.8#

158 0.0 49.3 147.8#



Abundance Ion 155.80 (155.50 to 156.50): VN055286.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN055286.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN055286.D (-3329) (-)

400

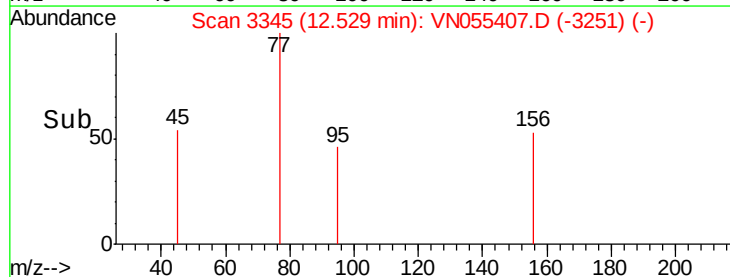
300

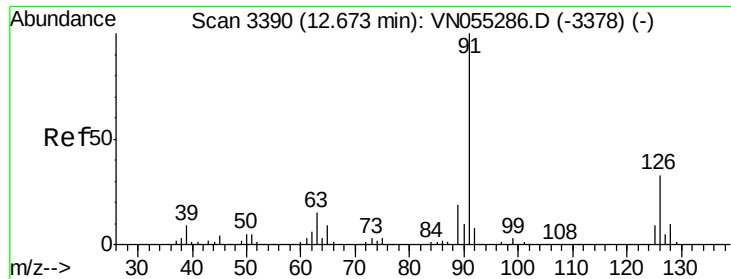
200

100

0

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.66 min Scan# 3386

Delta R.T. -0.01 min

Lab File: VN055407.D

Acq: 6 May 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

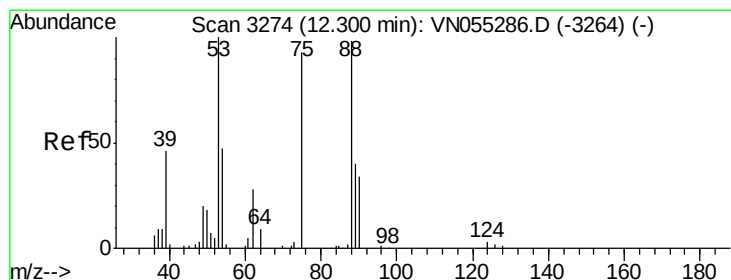
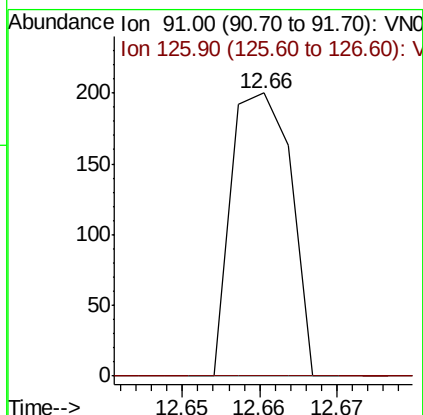
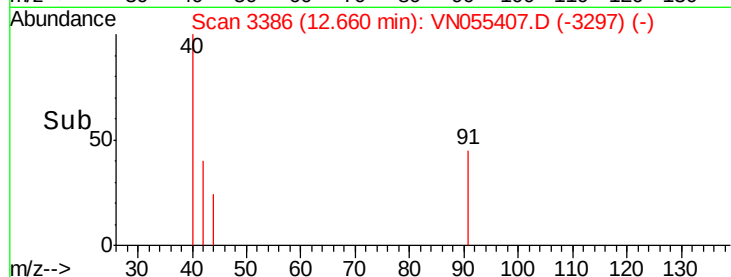
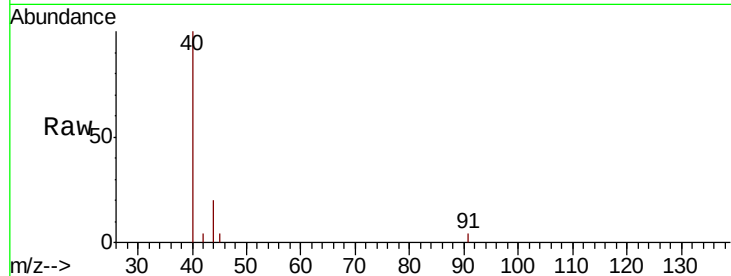
VN0506WBL01

Tot Ion: 91 Resp: 107

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.224 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055407.D

Acq: 6 May 2019 10:19

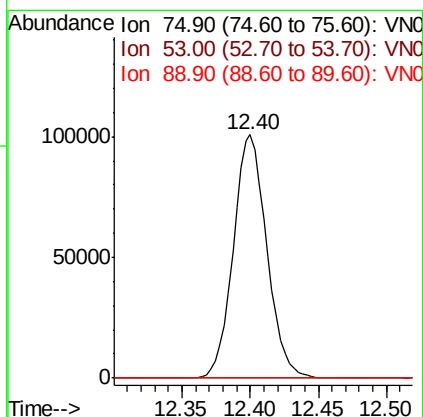
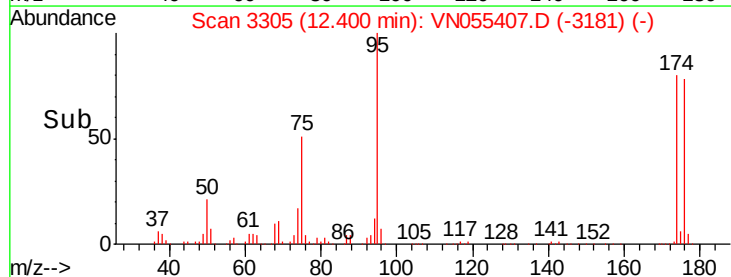
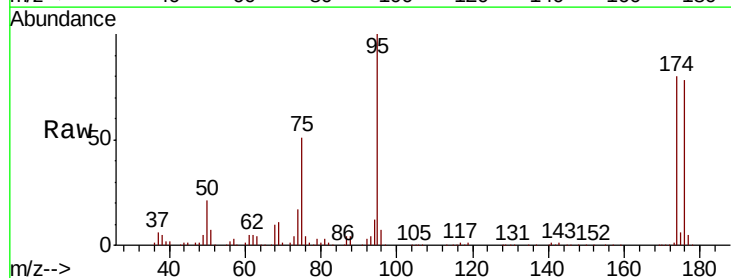
Tgt Ion: 75 Resp: 171223

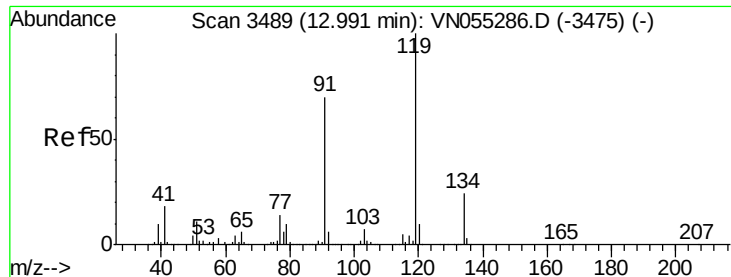
Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

89 0.0 34.6 51.8#

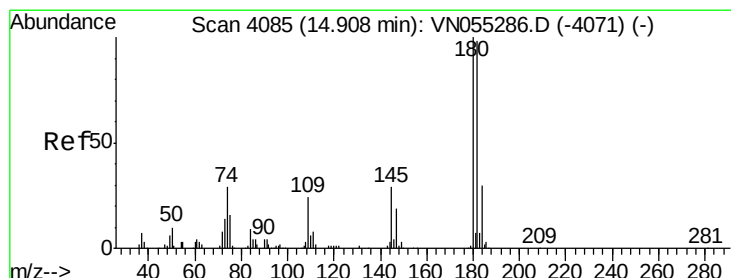
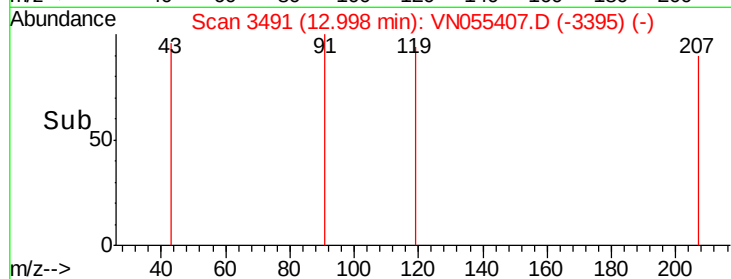
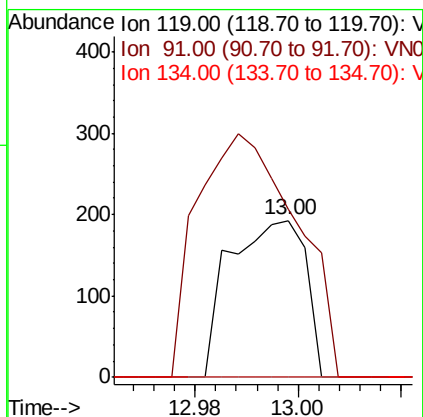
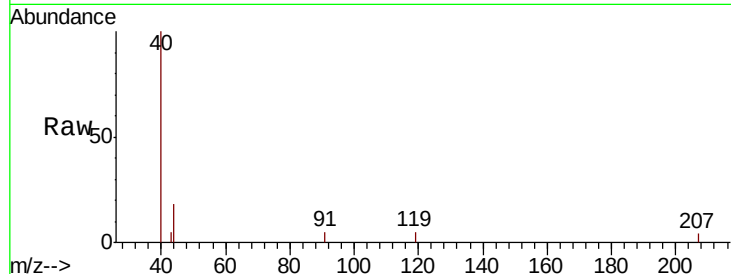




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.01 min
 Lab File: VN055407.D
 Acq: 6 May 2019 10:19

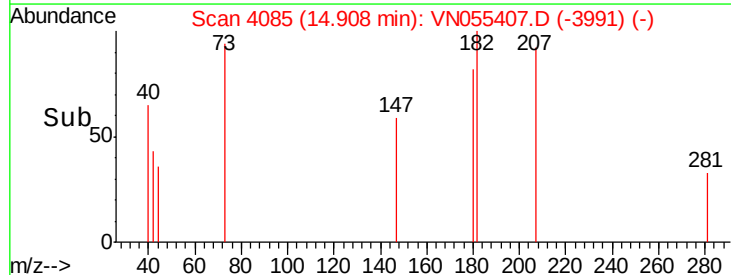
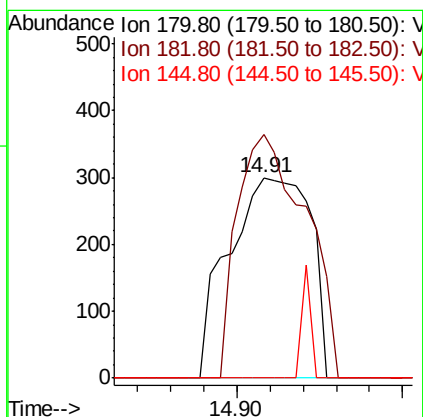
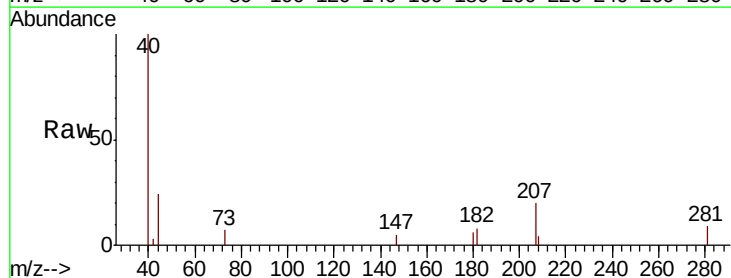
Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBL01

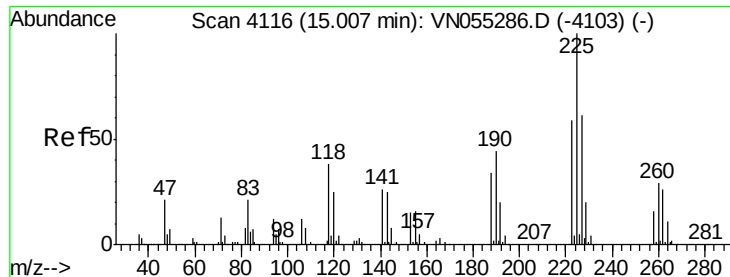
Tot Ion:119 Resp: 195
 Ion Ratio Lower Upper
 119 100
 91 204.1 34.3 102.9#
 134 0.0 13.1 39.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.478 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055407.D
 Acq: 6 May 2019 10:19

Tgt Ion:180 Resp: 516
 Ion Ratio Lower Upper
 180 100
 182 101.7 48.3 144.9
 145 6.4 14.2 42.6#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4114

Delta R.T. -0.01 min

Lab File: VN055407.D

Acq: 6 May 2019 10:19

Instrument :

MSVOA_N

ClientSampled :

VN0506WBL01

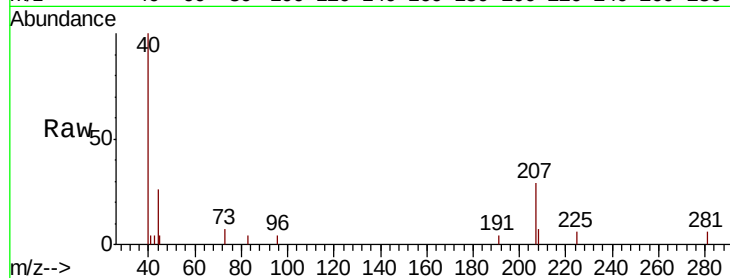
Tot Ion:225 Resp: 200

Ion Ratio Lower Upper

225 100

223 15.0 30.3 90.8#

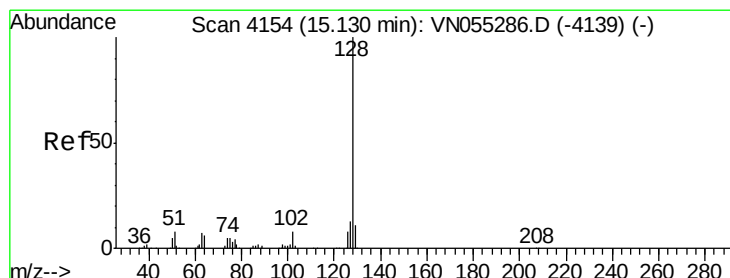
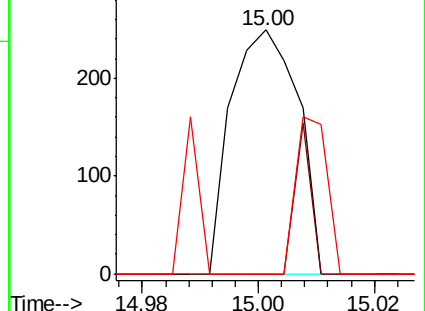
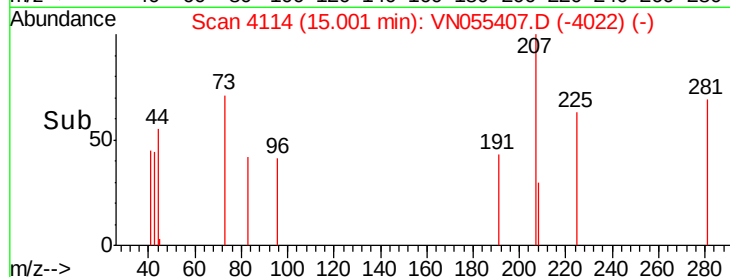
227 30.5 30.9 92.7#



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: 3.505 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055407.D

Acq: 6 May 2019 10:19

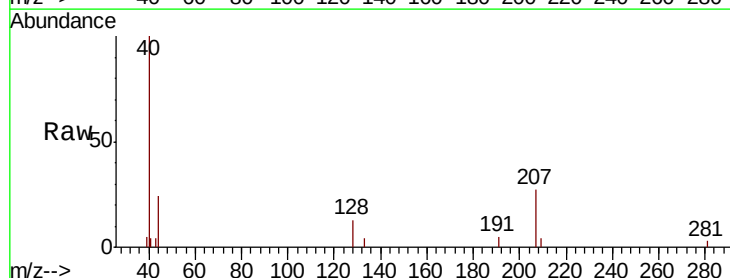
Tgt Ion:128 Resp: 1162

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

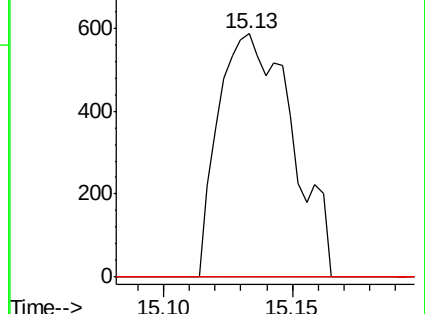
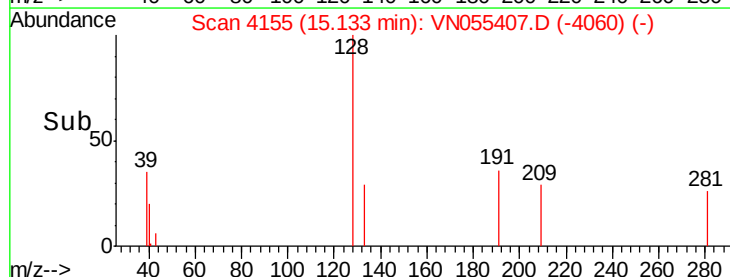
129 0.0 8.6 13.0#

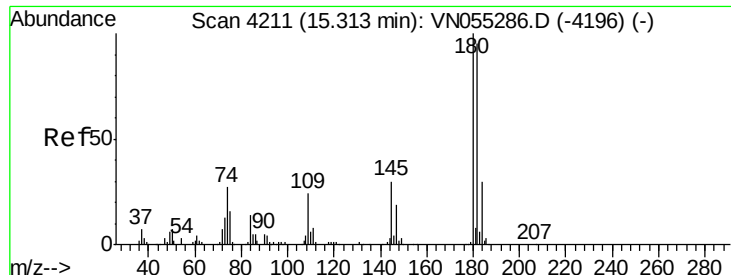


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

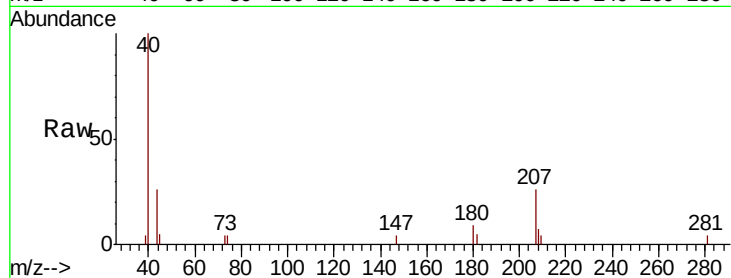




#96
 1,2,3-Trichlorobenzene
 Concen: 2.803 ug/l
 RT: 15.32 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN055407.D
 Acq: 6 May 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.8	48.3	144.9
145	5.3	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

