

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042319\
 Data File : VN055206.D
 Acq On : 23 Apr 2019 15:12
 Operator : JC/SP
 Sample : K2461-01
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M-COMP-4.18.19

Quant Time: Apr 23 15:32:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

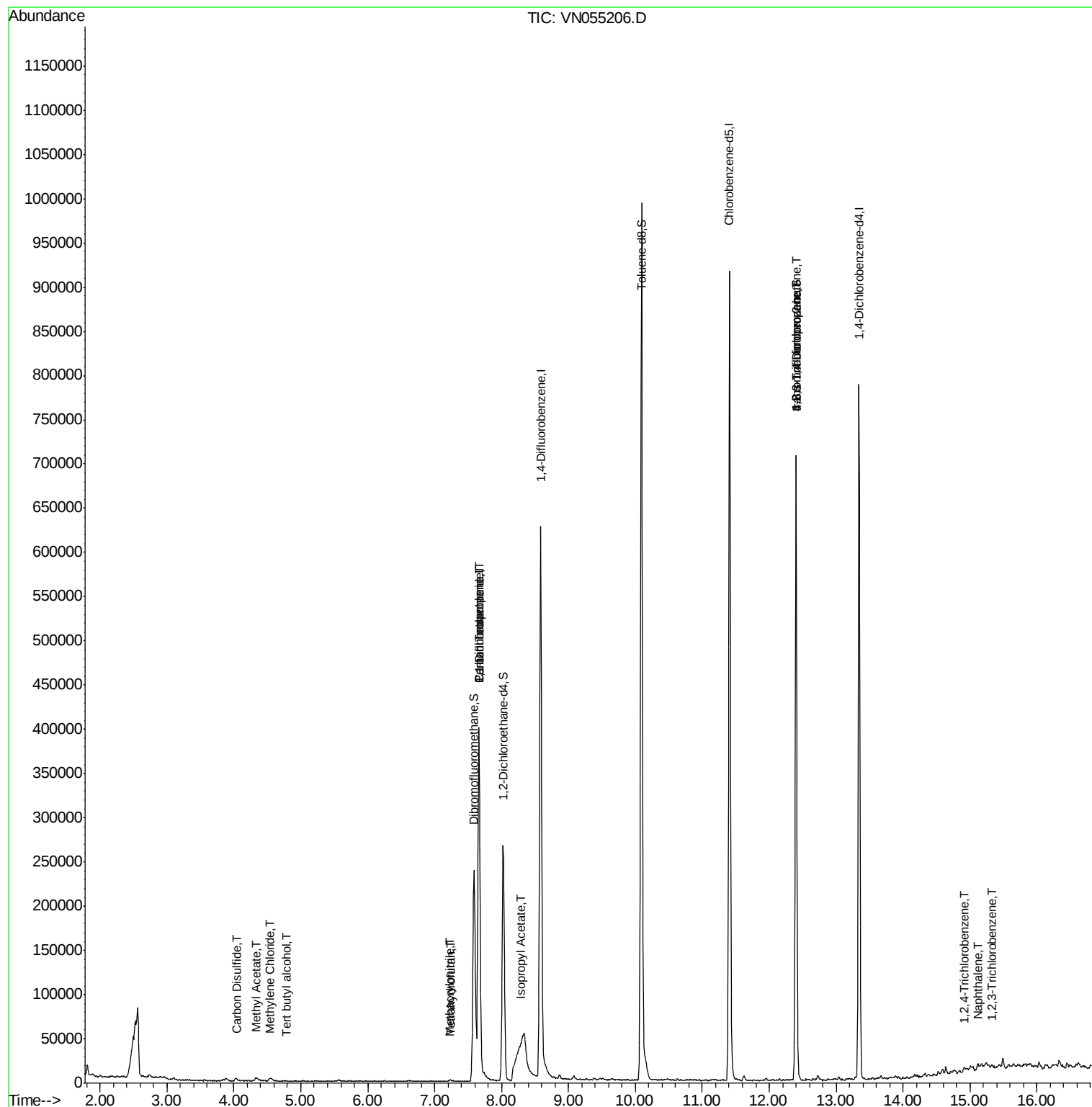
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	335471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	584230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	527522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	201494	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	227632	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
35) Dibromofluoromethane	7.59	113	180119	45.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.76%	
50) Toluene-d8	10.09	98	706733	48.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.40	95	239138	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.70%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.80	59	60	0.226	ug/l #	71
17) Carbon Disulfide	4.03	76	5130	0.532	ug/l	99
18) Methyl Acetate	4.33	43	4791	0.366	ug/l	97
20) Methylene Chloride	4.54	84	1370	0.317	ug/l #	88
29) Tetrahydrofuran	7.24	42	1525	1.280	ug/l #	54
31) Cyclohexane	7.66	56	7572	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	26055	4.805	ug/l #	51
38) Carbon Tetrachloride	7.66	117	31228	6.150	ug/l #	16
41) Methacrylonitrile	7.21	41	662	0.289	ug/l #	40
43) Isopropyl Acetate	8.27	43	62464	8.815	ug/l #	56
73) Isopropylbenzene	12.25	105	968	Below Cal	#	61
75) 1,1,2,2-Tetrachloroethane	12.40	83	318	Below Cal	#	45
76) 1,2,3-Trichloropropane	12.40	75	120740	29.537	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	120740	111.969	ug/l #	5
83) tert-Butylbenzene	12.99	119	314	Below Cal	#	73
93) 1,2,4-Trichlorobenzene	14.91	180	509	2.900	ug/l #	63
94) Hexachlorobutadiene	15.01	225	60	Below Cal	#	1
95) Naphthalene	15.13	128	2907	3.809	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.32	180	766	2.373	ug/l	76

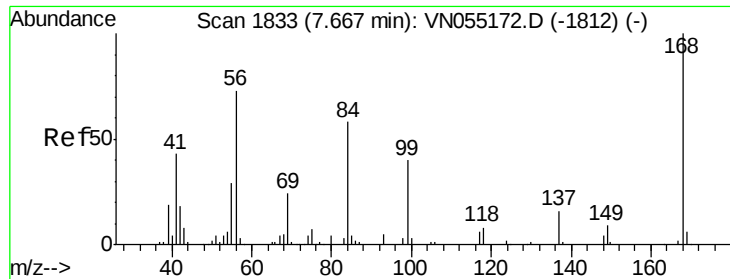
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055206.D

Acq: 23 Apr 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

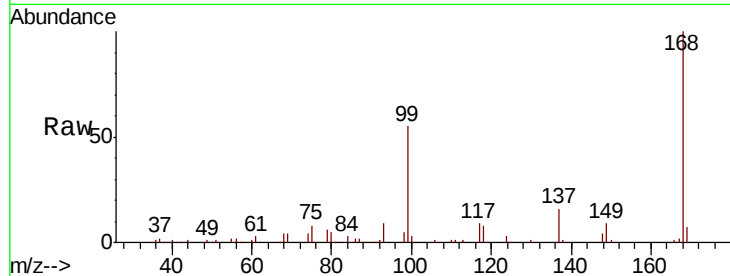
M-COMP-4.18.19

Tgt Ion:168 Resp: 335471

Ion Ratio Lower Upper

168 100

99 55.3 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN055172.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055172.D (-1812) (-)

7.66

150000

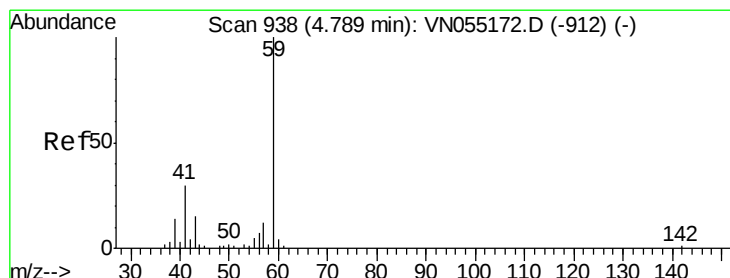
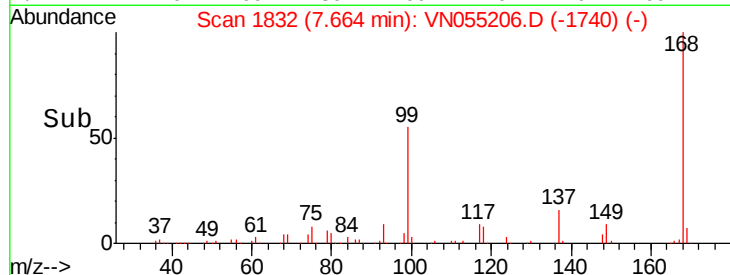
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.226 ug/l

RT: 4.80 min Scan# 942

Delta R.T. 0.01 min

Lab File: VN055206.D

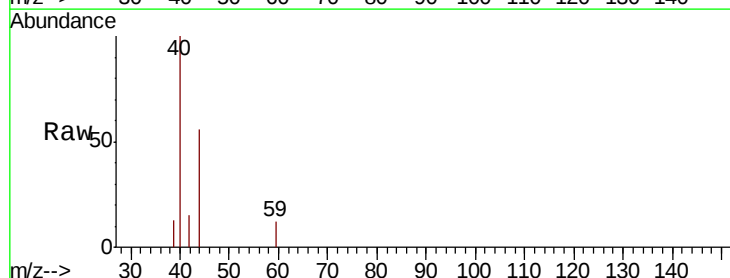
Acq: 23 Apr 2019 15:12

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VN055172.D (-912) (-)

Ion 57.00 (56.70 to 57.70): VN055172.D (-912) (-)

4.80

150

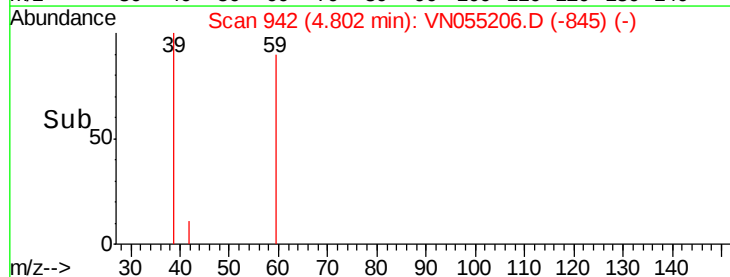
100

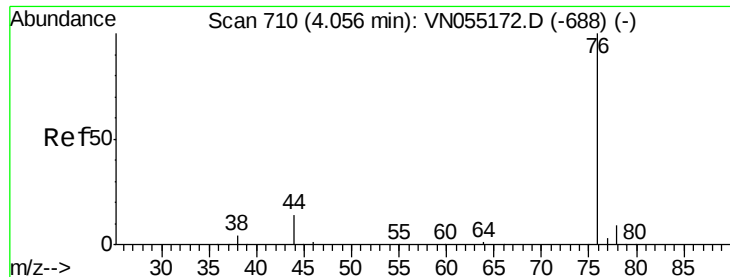
50

0

4.79 4.80 4.81

Time-->

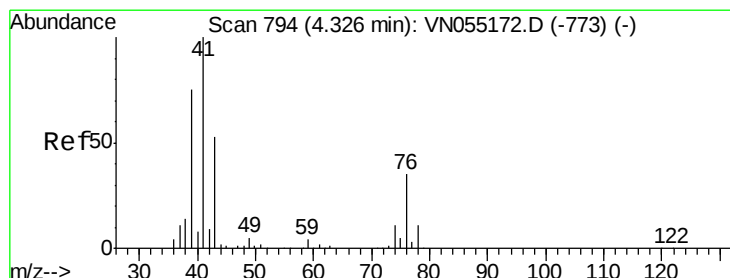
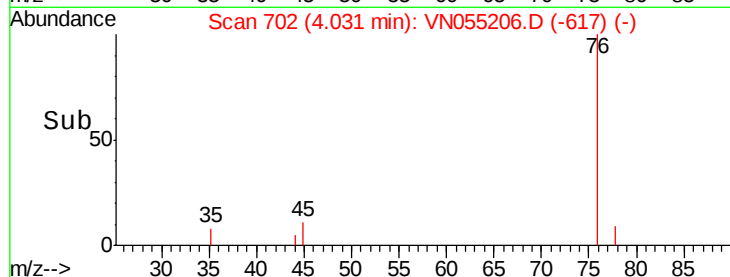
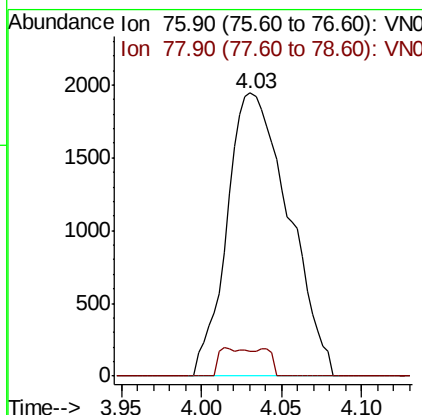
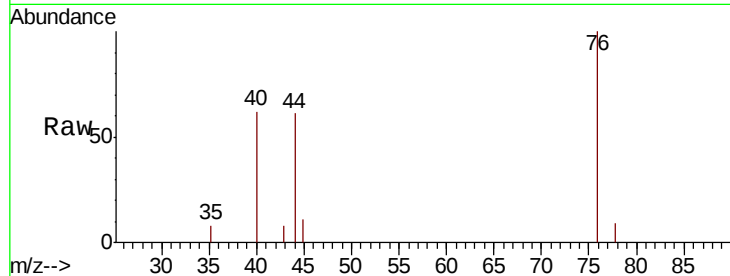




#17
Carbon Disulfide
Concen: 0.532 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.03 min
Lab File: VN055206.D
Acq: 23 Apr 2019 15:12

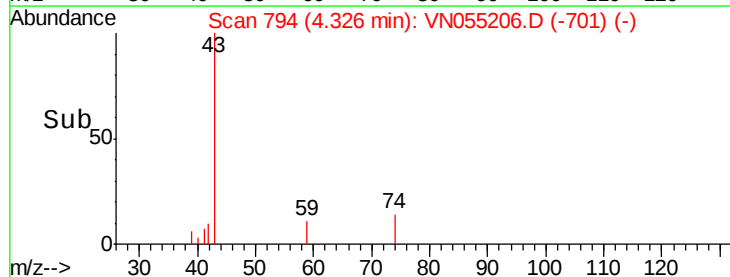
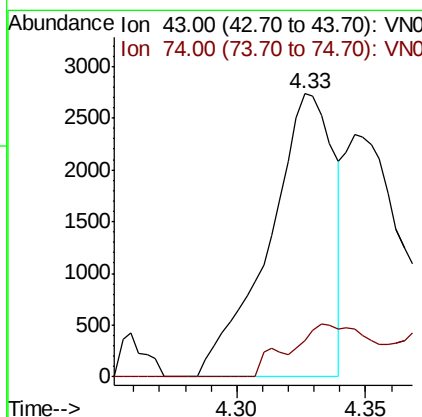
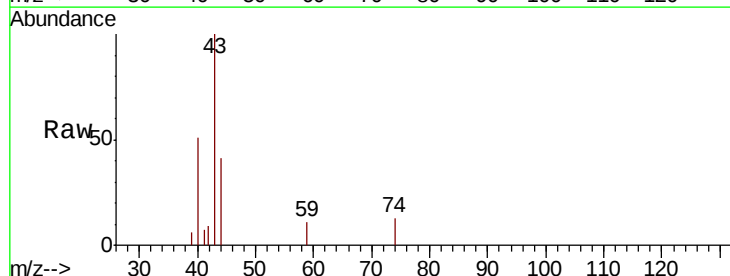
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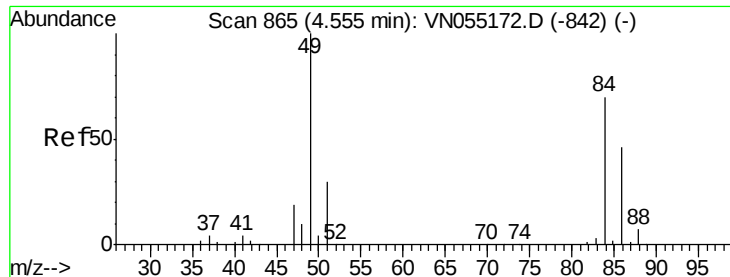
Tgt Ion: 76 Resp: 5130
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 0.366 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055206.D
Acq: 23 Apr 2019 15:12

Tgt Ion: 43 Resp: 4791
Ion Ratio Lower Upper
43 100
74 19.6 16.7 25.1

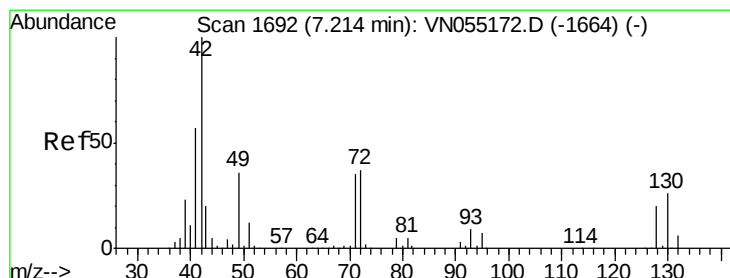
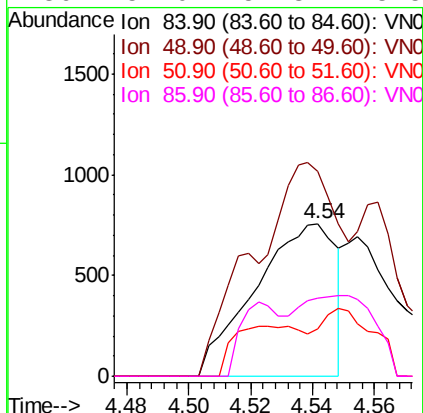
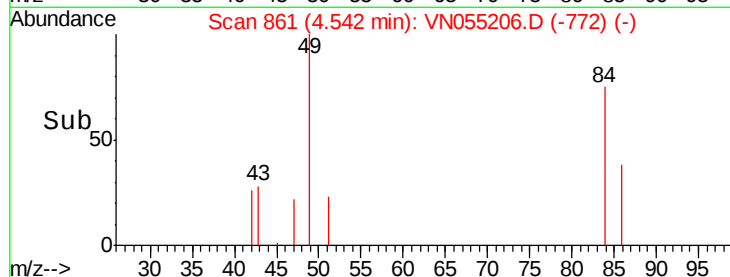
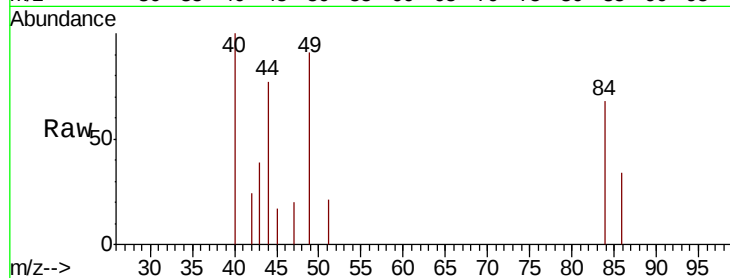




#20
Methylene Chloride
Concen: 0.317 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN055206.D
Acq: 23 Apr 2019 15:12

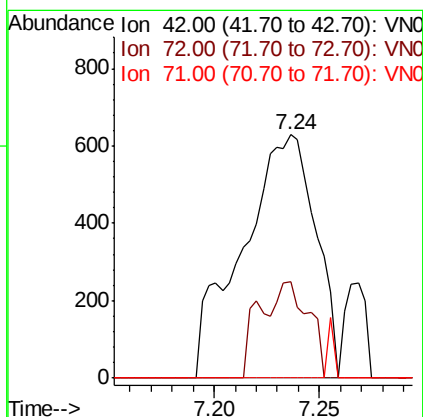
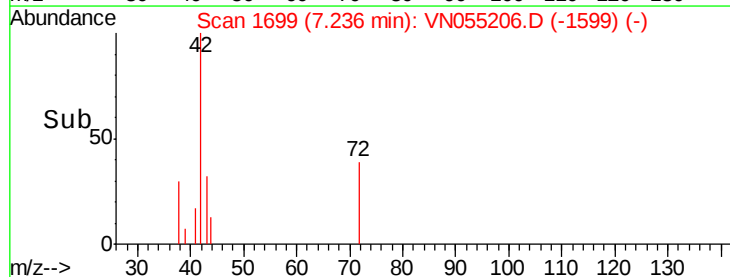
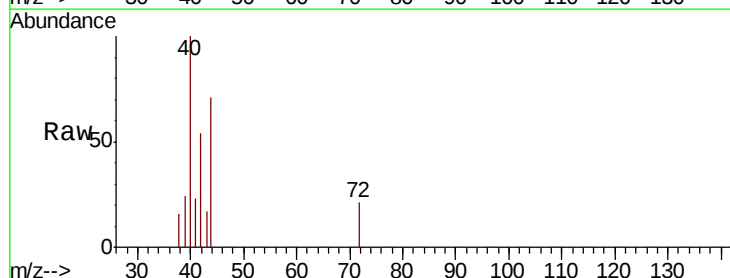
Instrument :
MSVOA_N
ClientSampleId :
M-COMP-4.18.19

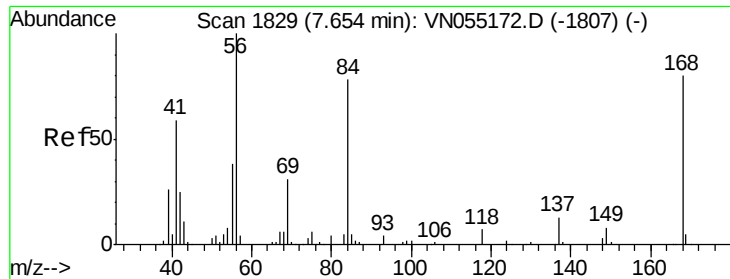
Tgt Ion: 84 Resp: 1370
Ion Ratio Lower Upper
84 100
49 133.9 113.8 170.6
51 30.9 34.0 51.0#
86 51.0 52.3 78.5#



#29
Tetrahydrofuran
Concen: 1.280 ug/l
RT: 7.24 min Scan# 1699
Delta R.T. 0.02 min
Lab File: VN055206.D
Acq: 23 Apr 2019 15:12

Tgt Ion: 42 Resp: 1525
Ion Ratio Lower Upper
42 100
72 17.2 29.4 44.2#
71 0.0 27.8 41.8#

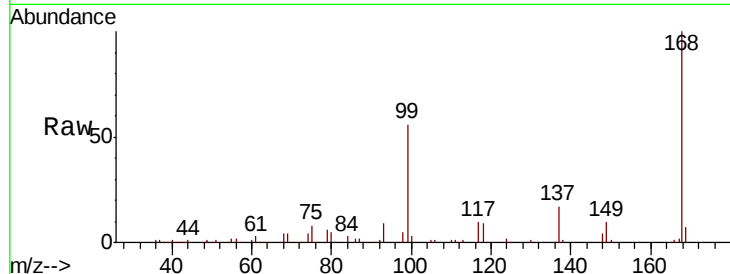




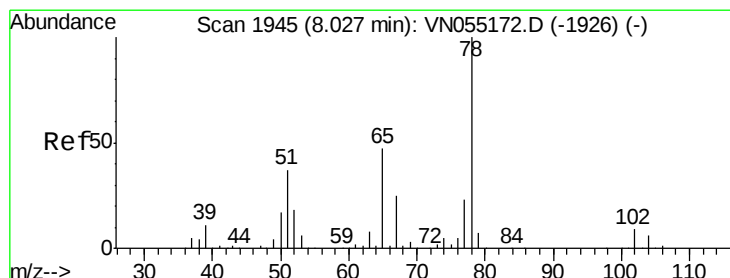
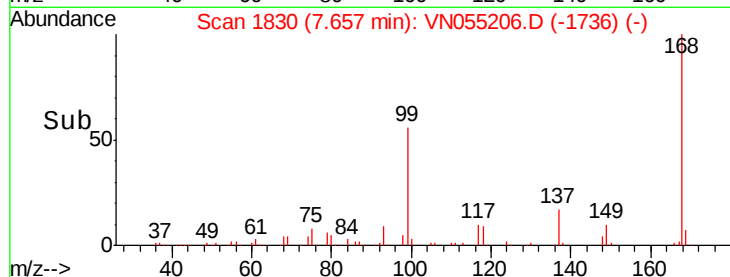
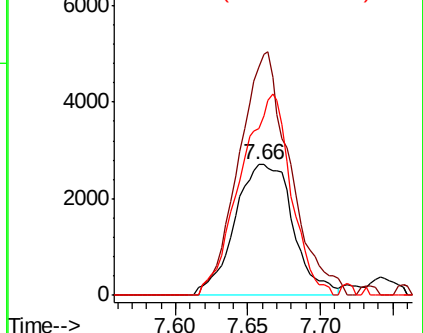
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055206.D
Acq: 23 Apr 2019 15:12

Instrument :
MSVOA_N
ClientSampleId :
M-COMP-4.18.19

Tgt Ion: 56 Resp: 7572
Ion Ratio Lower Upper
56 100
69 174.4 24.6 37.0#
84 127.4 61.4 92.2#

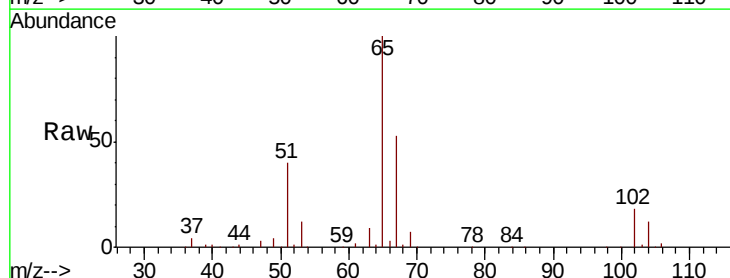


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

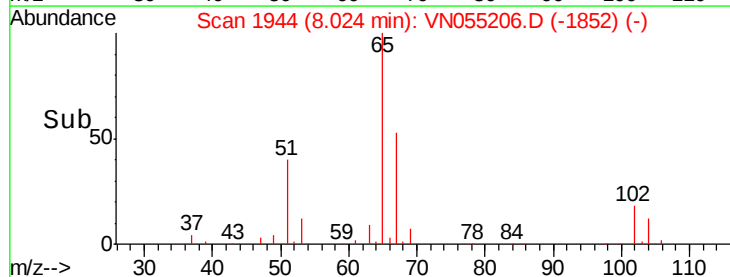
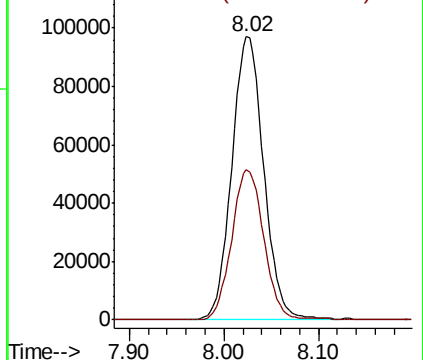


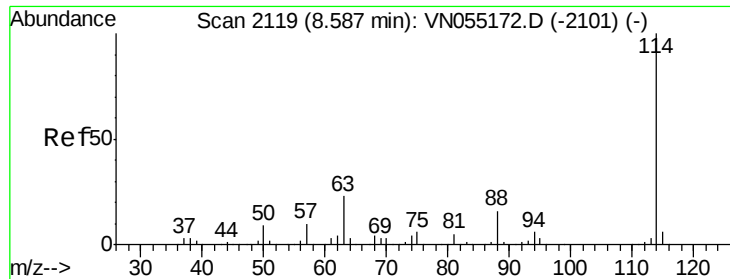
#33
1,2-Dichloroethane-d4
Concen: 50.132 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN055206.D
Acq: 23 Apr 2019 15:12

Tgt Ion: 65 Resp: 227632
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.6



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

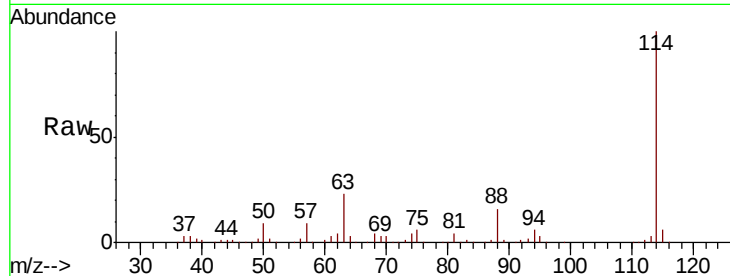




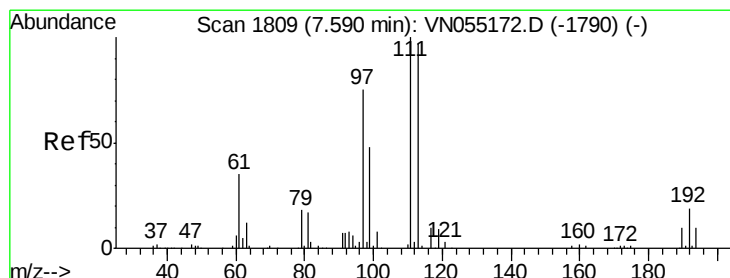
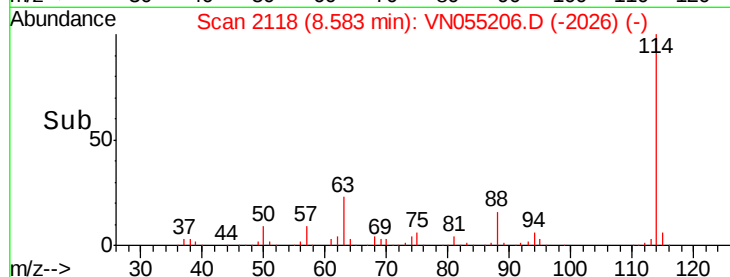
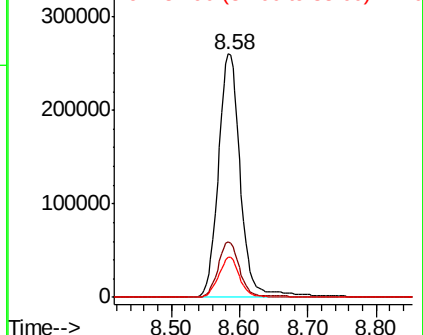
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055206.D
 Acq: 23 Apr 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 M-COMP-4.18.19

Tgt Ion:114 Resp: 584230
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.2
 88 16.3 0.0 32.8

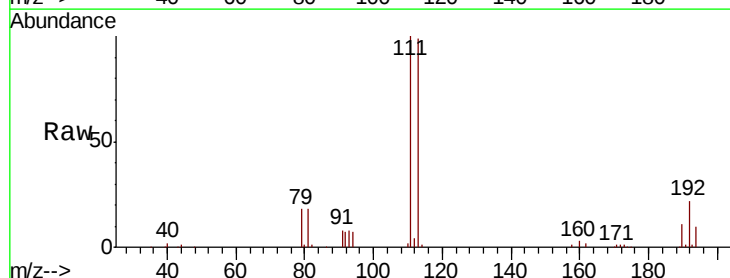


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

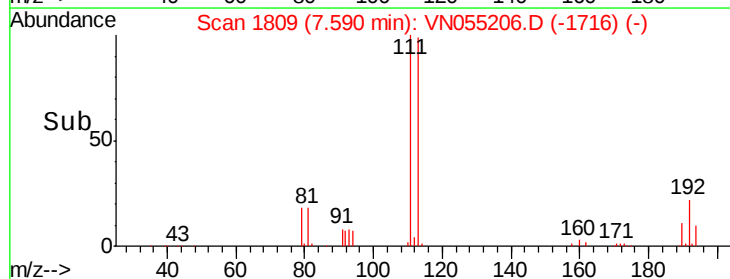
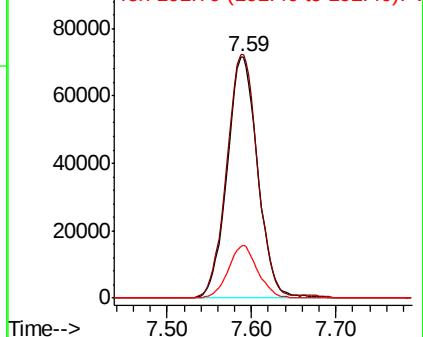


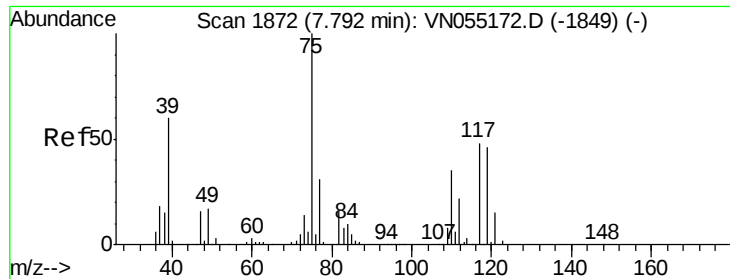
#35
 Dibromofluoromethane
 Concen: 45.382 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055206.D
 Acq: 23 Apr 2019 15:12

Tgt Ion:113 Resp: 180119
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.0 121.4
 192 21.0 16.2 24.4



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

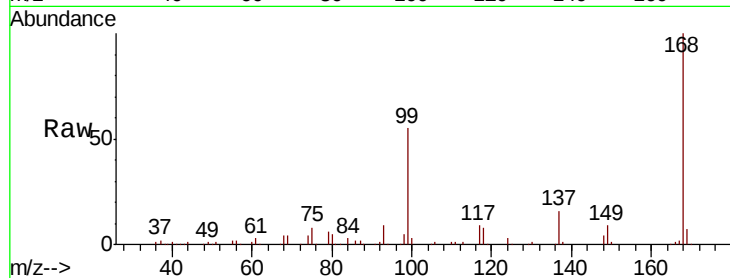




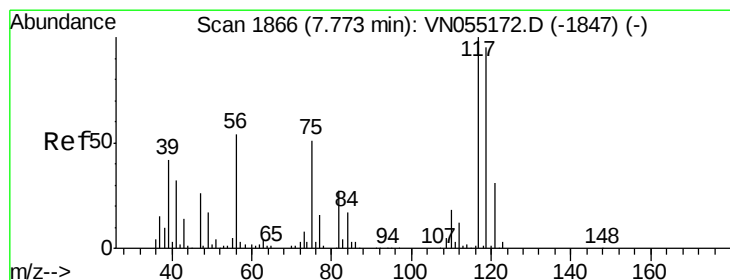
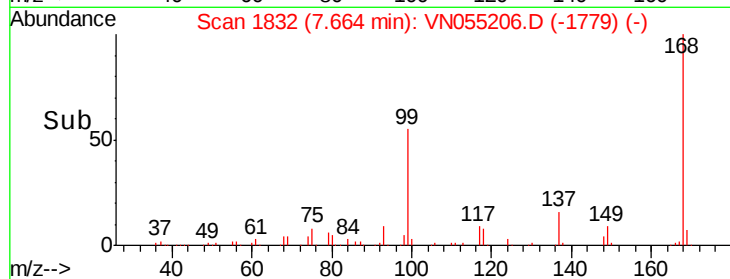
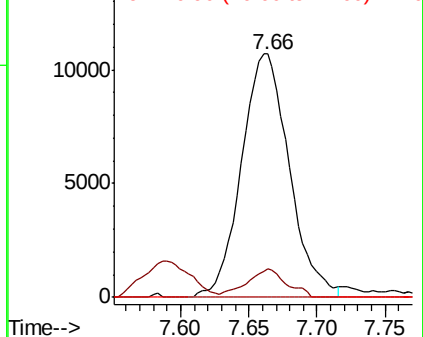
#36
 1,1-Dichloropropene
 Concen: 4.805 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055206.D
 Acq: 23 Apr 2019 15:12

Instrument :
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Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.1	51.2#
77	0.0	24.6	36.8#

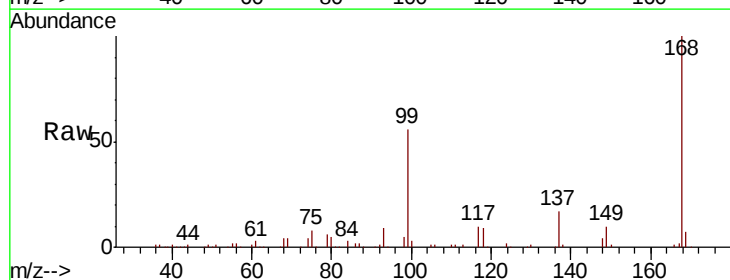


Abundance Ion 74.90 (74.60 to 75.60): VN055172.D (-1849) (-)

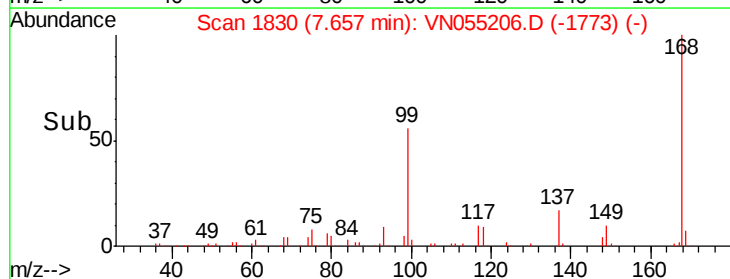
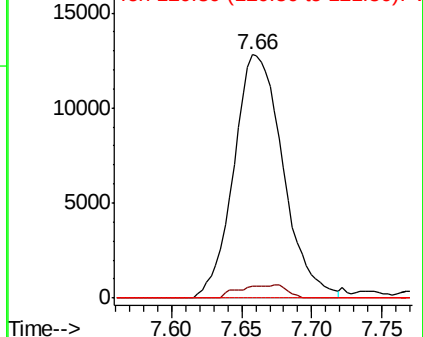


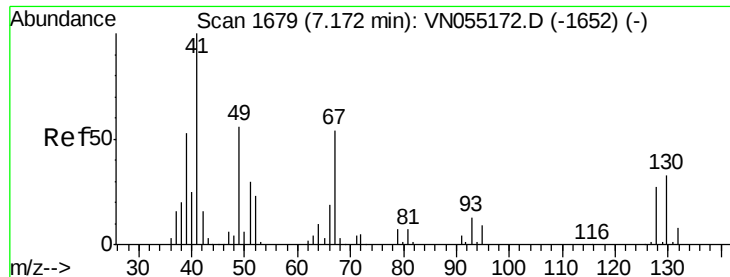
#38
 Carbon Tetrachloride
 Concen: 6.150 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.12 min
 Lab File: VN055206.D
 Acq: 23 Apr 2019 15:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.0	114.0#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): VN055172.D (-1847) (-)

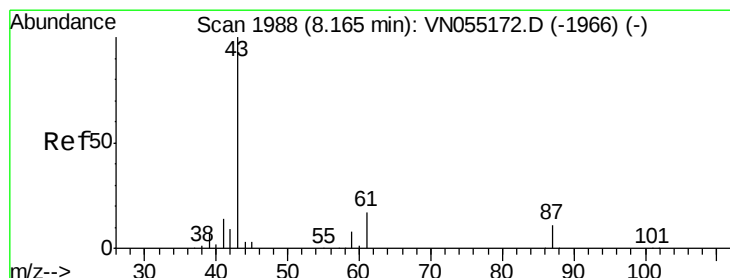
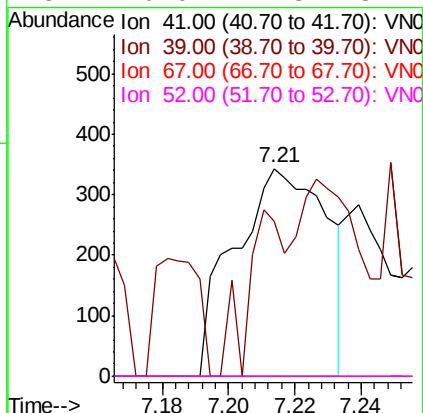
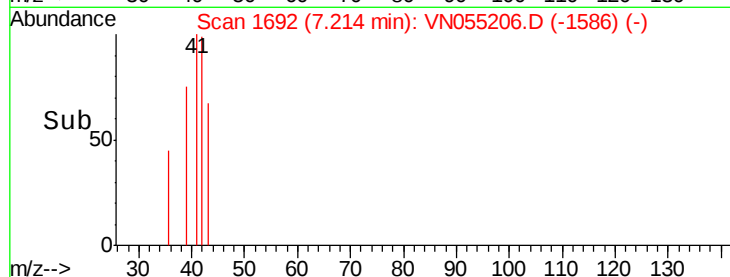
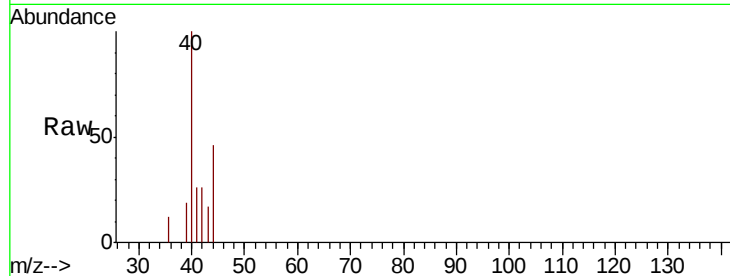




#41
Methacrylonitrile
Concen: 0.289 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN055206.D
Acq: 23 Apr 2019 15:12

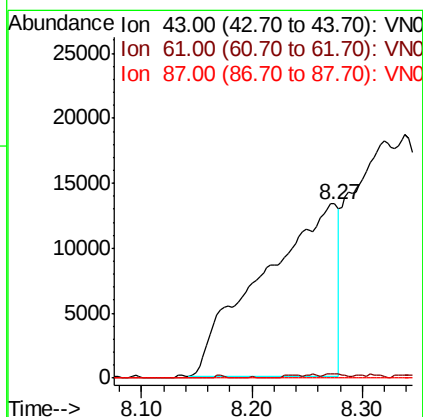
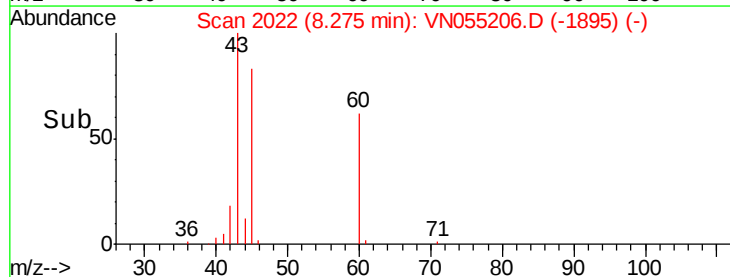
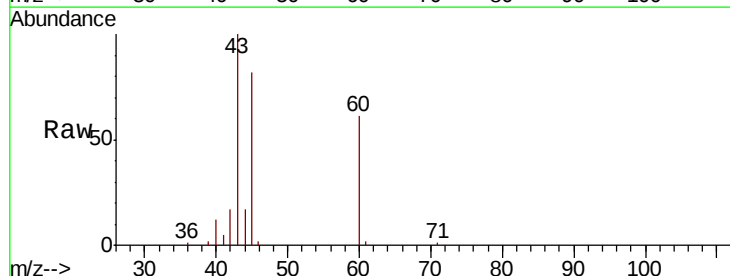
Instrument :
MSVOA_N
ClientSampled :
M-COMP-4.18.19

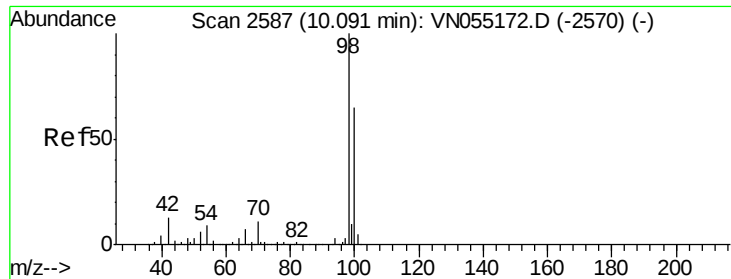
Tgt Ion:	41	Resp:	662
Ion	Ratio	Lower	Upper
41	100		
39	31.9	45.4	68.0#
67	0.0	54.6	81.8#
52	0.0	22.8	34.2#



#43
Isopropyl Acetate
Concen: 8.815 ug/l
RT: 8.27 min Scan# 2022
Delta R.T. 0.11 min
Lab File: VN055206.D
Acq: 23 Apr 2019 15:12

Tgt Ion:	43	Resp:	62464
Ion	Ratio	Lower	Upper
43	100		
61	0.4	20.6	30.8#
87	0.0	8.8	13.2#





#50

Toluene-d8

Concen: 48.059 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055206.D

Acq: 23 Apr 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

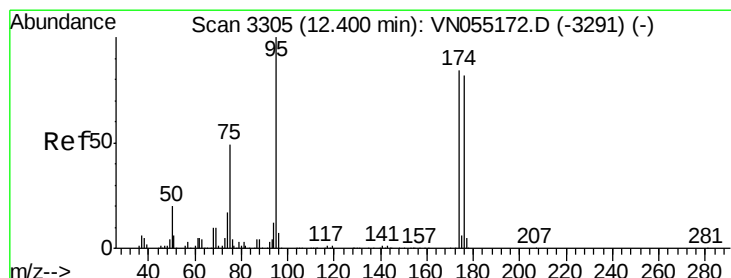
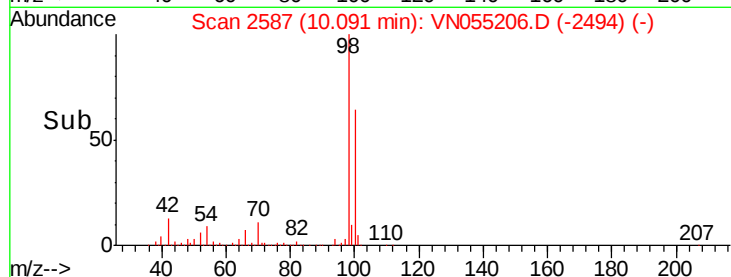
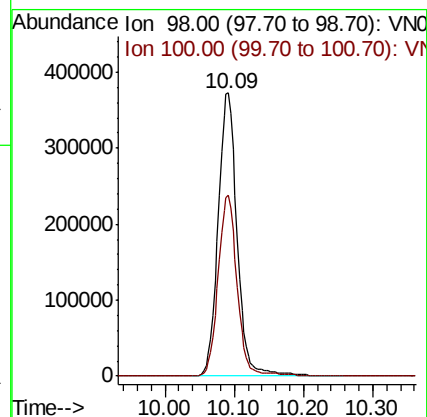
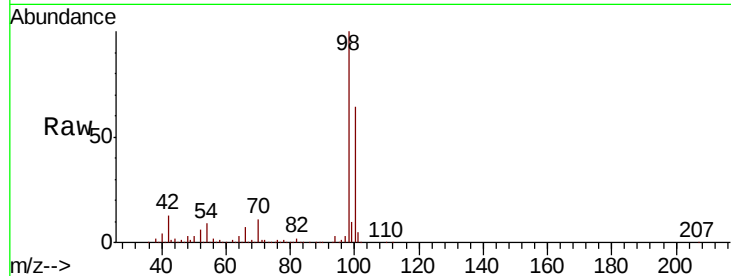
M-COMP-4.18.19

Tgt Ion: 98 Resp: 706733

Ion Ratio Lower Upper

98 100

100 63.9 51.8 77.6



#62

4-Bromofluorobenzene

Concen: 51.352 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055206.D

Acq: 23 Apr 2019 15:12

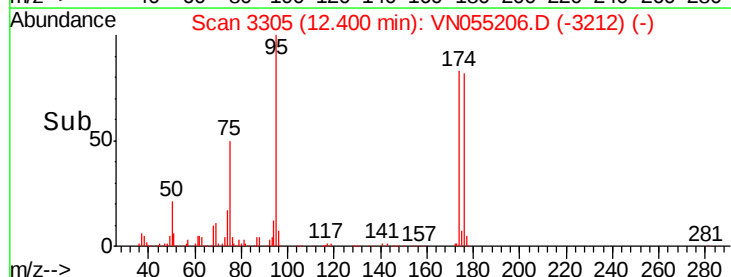
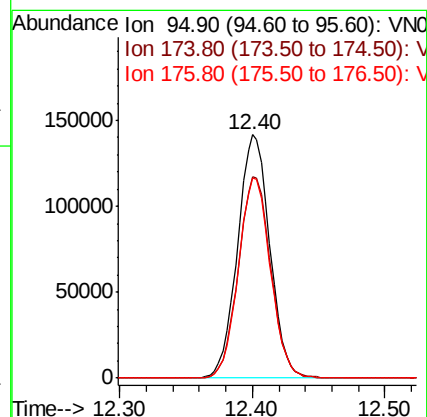
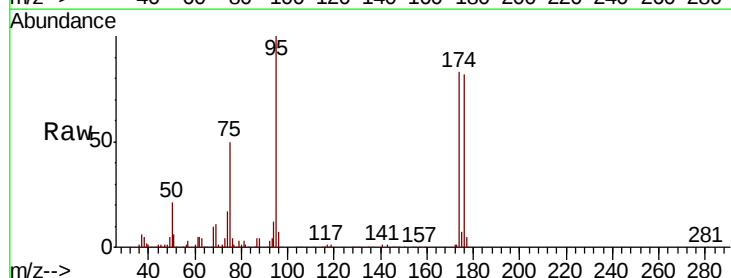
Tgt Ion: 95 Resp: 239138

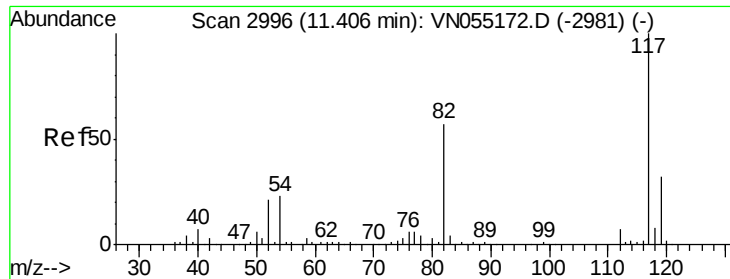
Ion Ratio Lower Upper

95 100

174 83.2 0.0 168.4

176 82.0 0.0 164.0

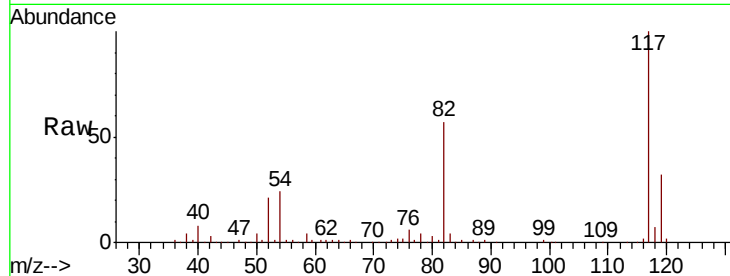




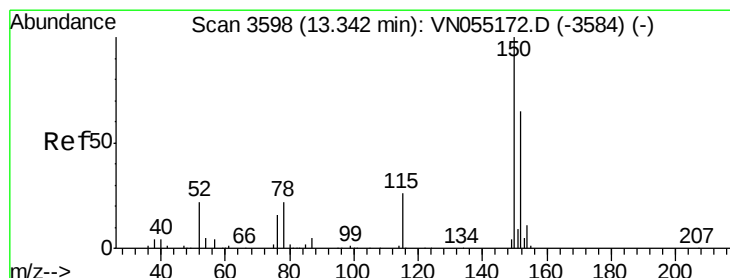
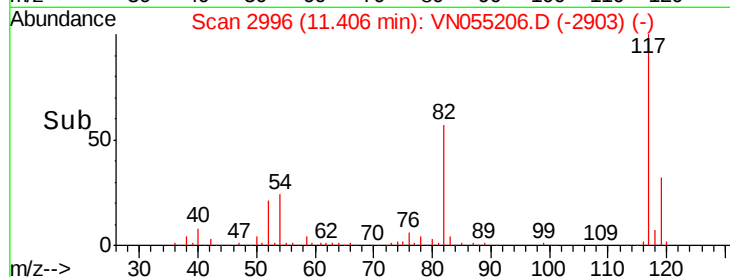
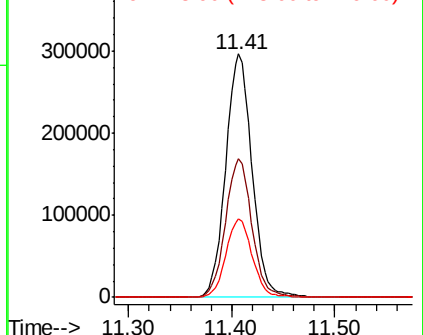
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055206.D
Acq: 23 Apr 2019 15:12

Instrument :
MSVOA_N
ClientSampled :
M-COMP-4.18.19

Tgt Ion:117 Resp: 527522
Ion Ratio Lower Upper
117 100
82 56.8 45.7 68.5
119 32.0 25.4 38.2

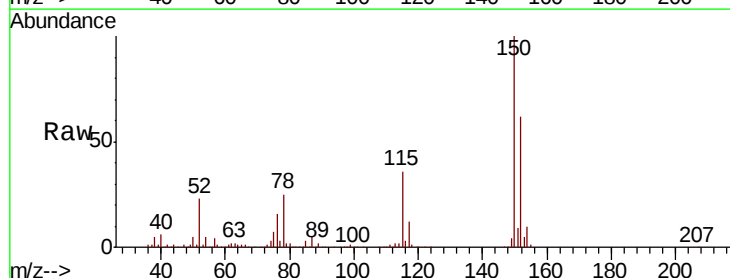


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

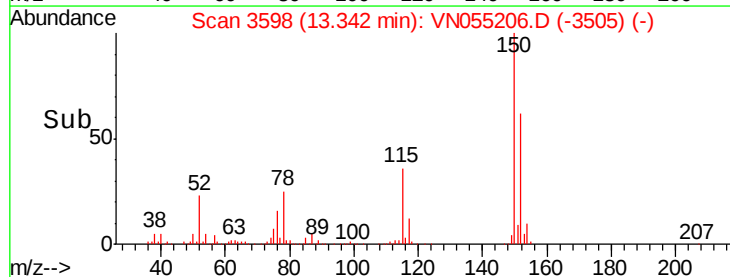
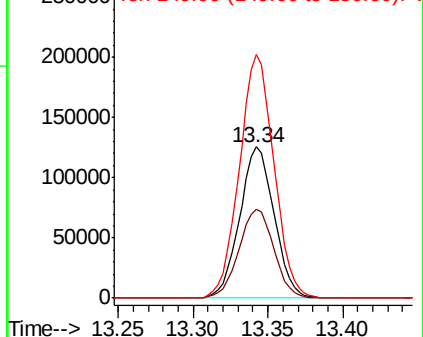


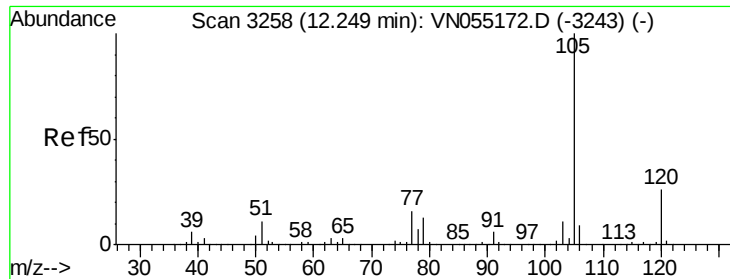
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055206.D
Acq: 23 Apr 2019 15:12

Tgt Ion:152 Resp: 201494
Ion Ratio Lower Upper
152 100
115 59.7 28.9 86.7
150 161.7 0.0 346.6



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: VN055206.D

Acq: 23 Apr 2019 15:12

Instrument :

MSVOA_N

ClientSampled :

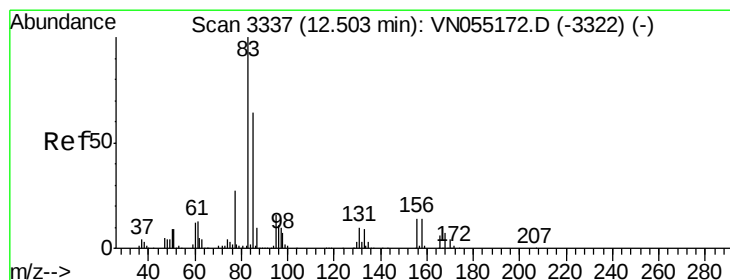
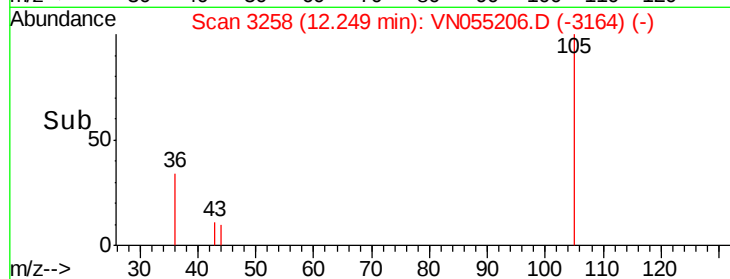
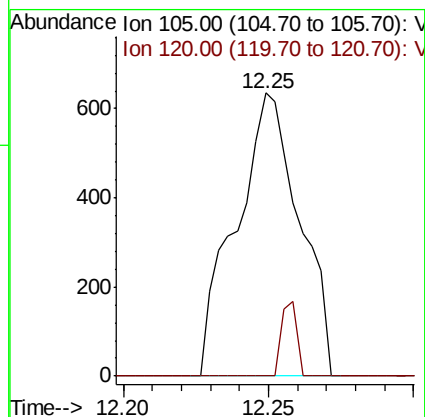
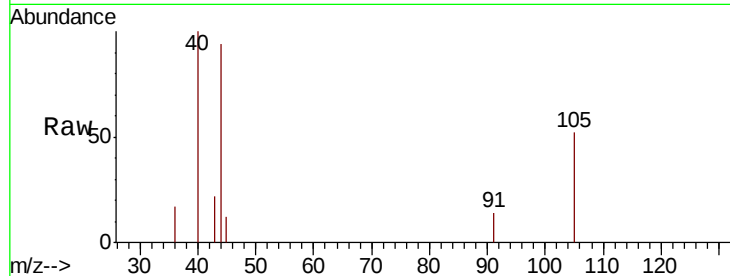
M-COMP-4.18.19

Tgt Ion: 105 Resp: 968

Ion Ratio Lower Upper

105 100

120 6.3 13.1 39.1#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.11 min

Lab File: VN055206.D

Acq: 23 Apr 2019 15:12

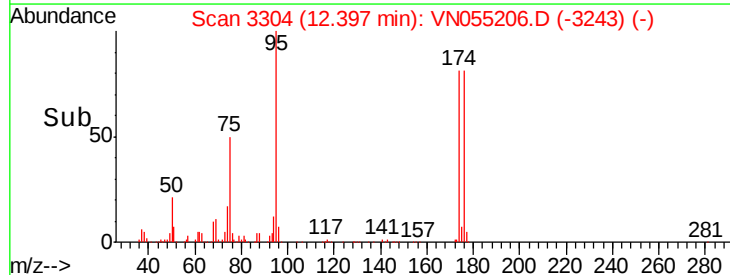
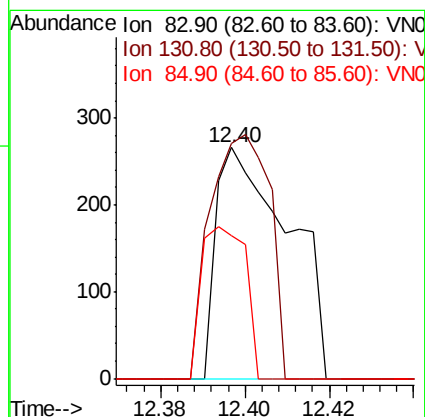
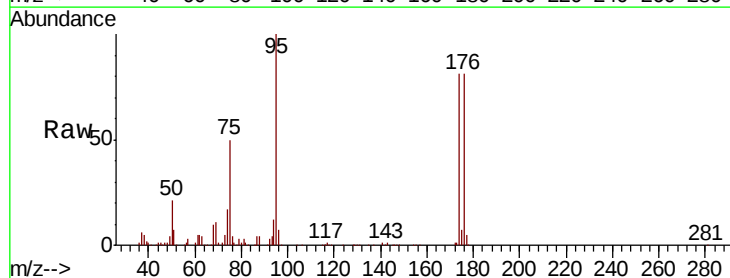
Tgt Ion: 83 Resp: 318

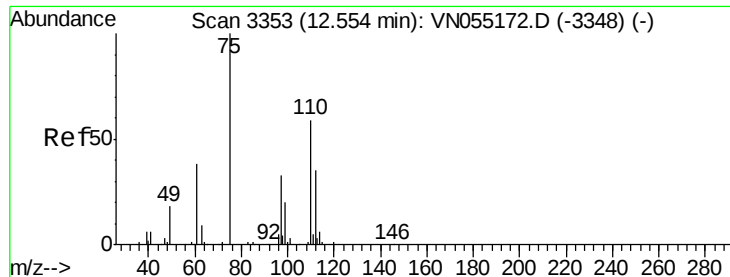
Ion Ratio Lower Upper

83 100

131 86.8 5.0 15.0#

85 39.9 32.1 96.3





#76

1,2,3-Trichloropropane

Concen: 29.537 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055206.D

Acq: 23 Apr 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

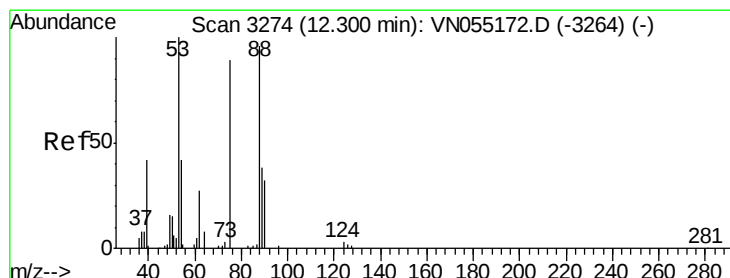
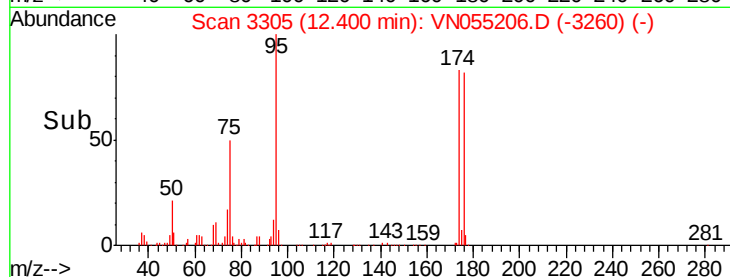
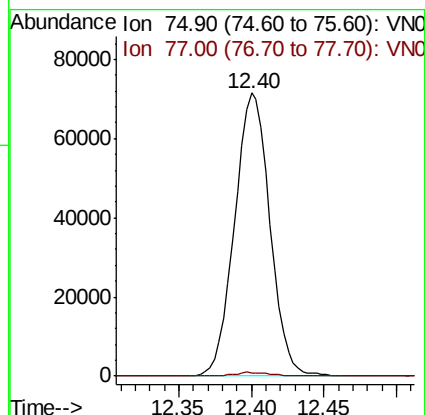
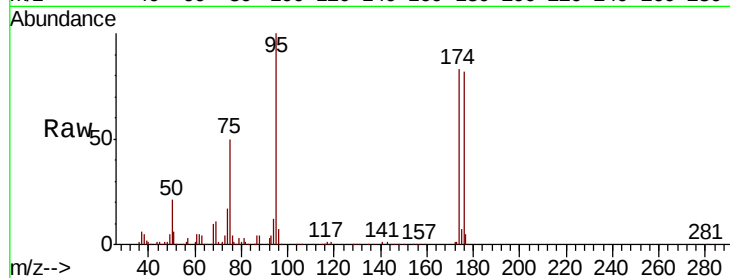
M-COMP-4.18.19

Tgt Ion: 75 Resp: 120740

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.969 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055206.D

Acq: 23 Apr 2019 15:12

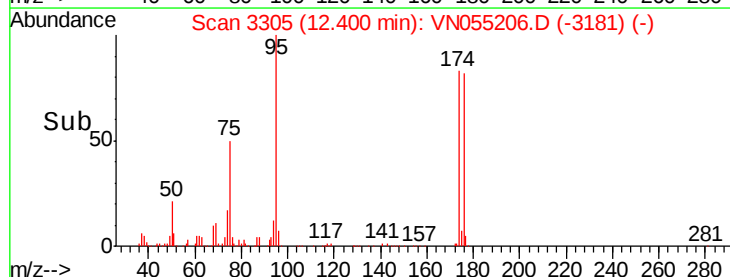
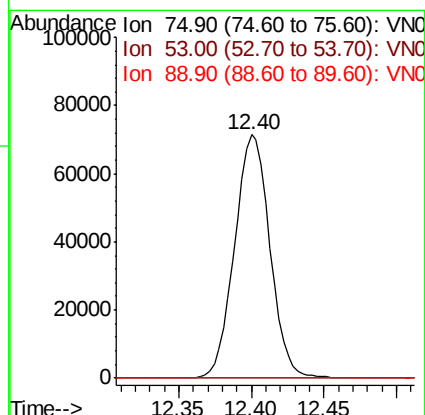
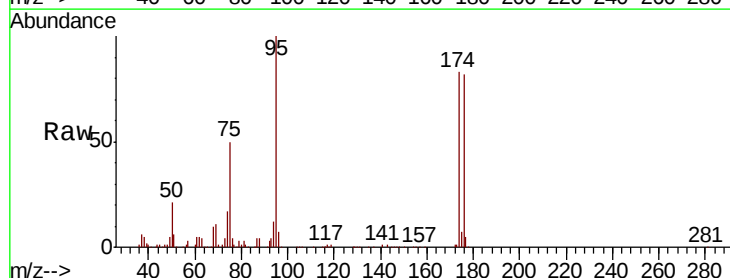
Tgt Ion: 75 Resp: 120740

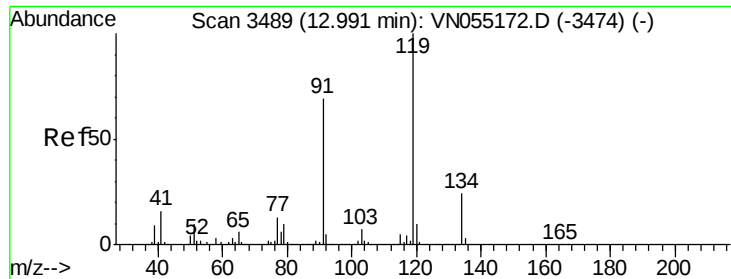
Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 36.7 55.1#

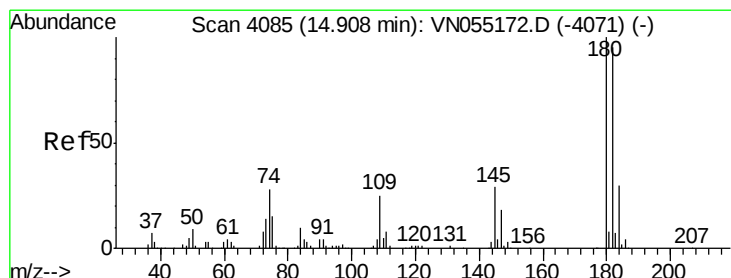
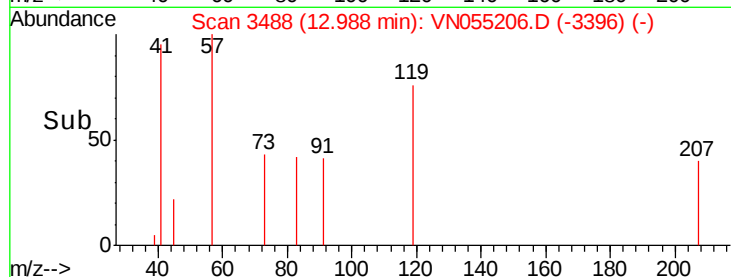
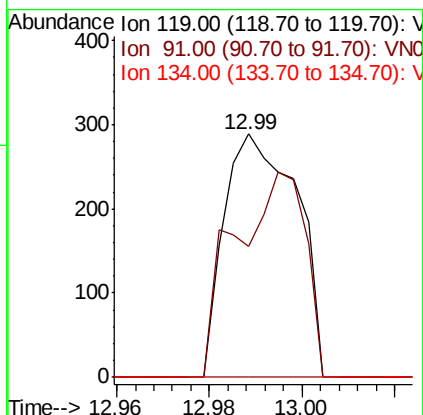
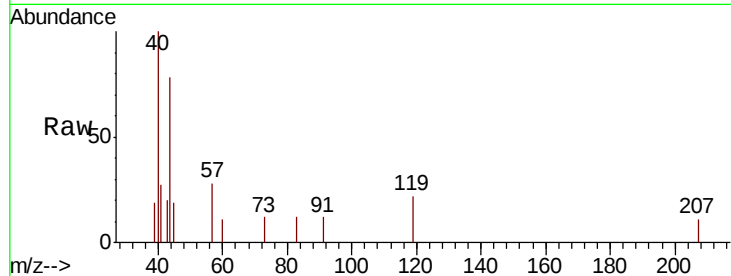




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN055206.D
 Acq: 23 Apr 2019 15:12

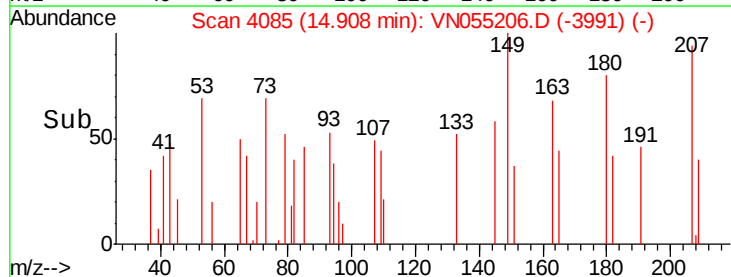
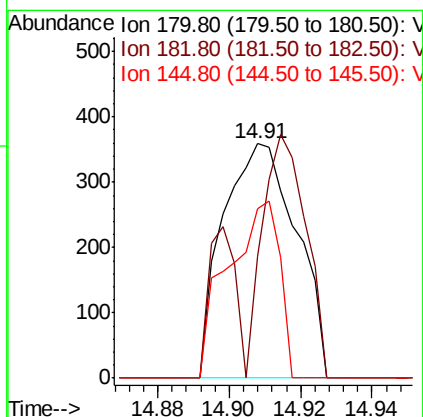
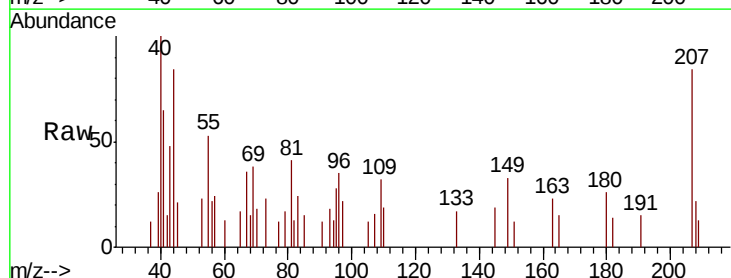
Instrument :
 MSVOA_N
 ClientSampleId :
 M-COMP-4.18.19

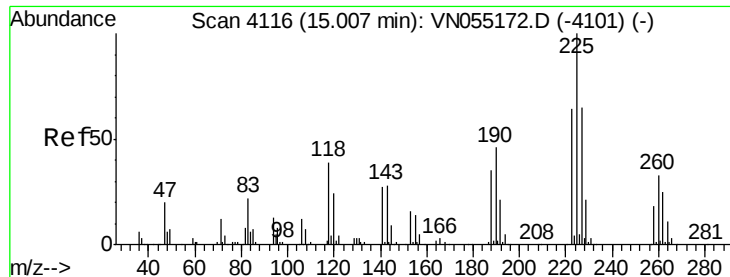
Tgt Ion:119 Resp: 314
 Ion Ratio Lower Upper
 119 100
 91 81.8 33.8 101.3
 134 0.0 13.2 39.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.900 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055206.D
 Acq: 23 Apr 2019 15:12

Tgt Ion:180 Resp: 509
 Ion Ratio Lower Upper
 180 100
 182 61.5 47.8 143.4
 145 53.2 14.5 43.5#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055206.D

Acq: 23 Apr 2019 15:12

Instrument :

MSVOA_N

ClientSampleId :

M-COMP-4.18.19

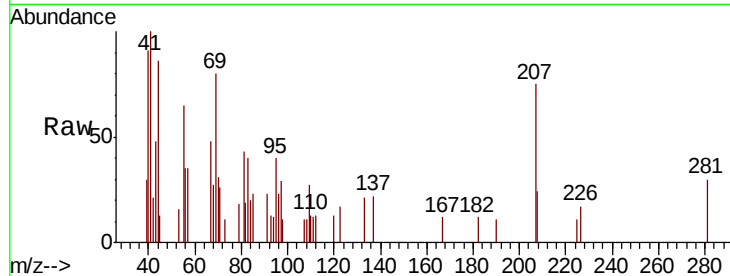
Tgt Ion: 225 Resp: 60

Ion Ratio Lower Upper

225 100

223 0.0 32.2 96.6#

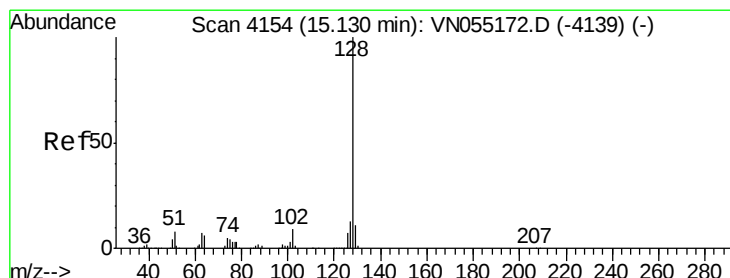
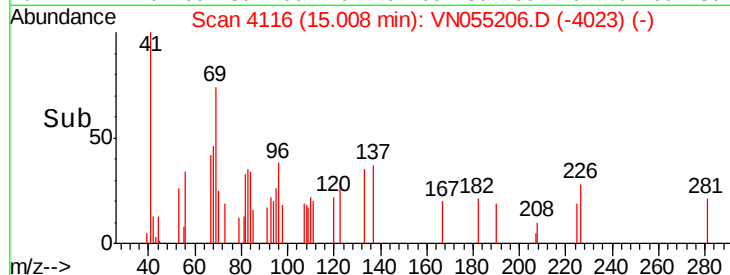
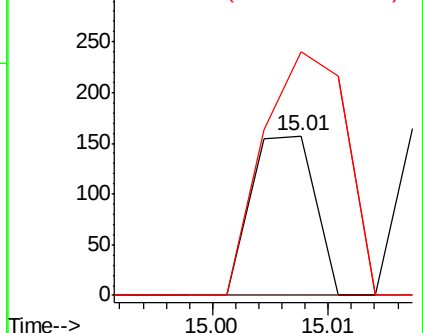
227 198.3 32.6 98.0#



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: 3.809 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055206.D

Acq: 23 Apr 2019 15:12

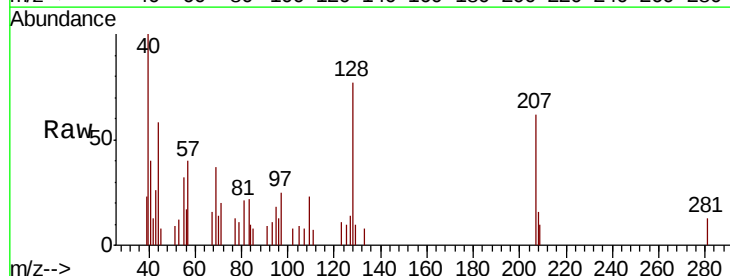
Tgt Ion: 128 Resp: 2907

Ion Ratio Lower Upper

128 100

127 16.2 10.3 15.5#

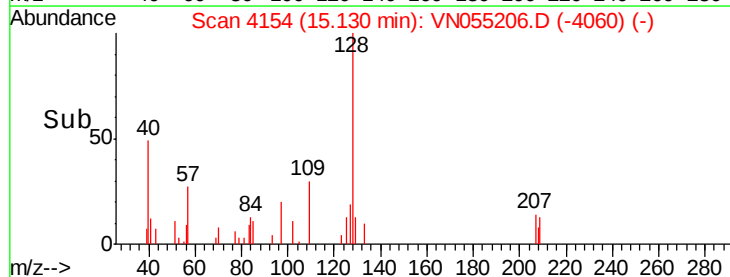
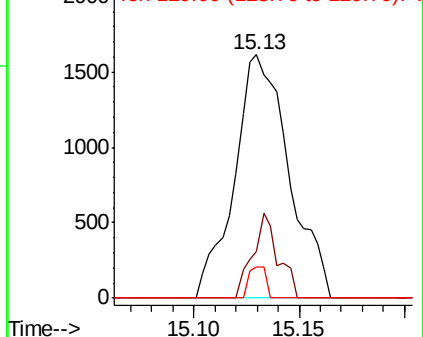
129 4.0 8.8 13.2#

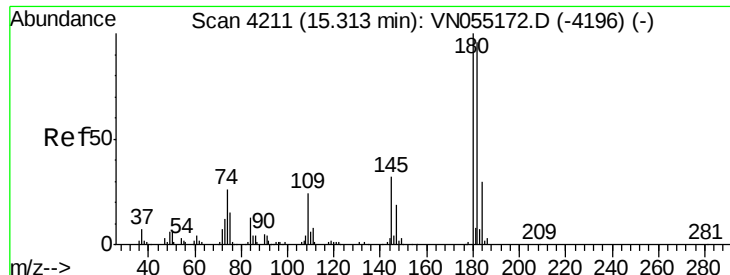


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

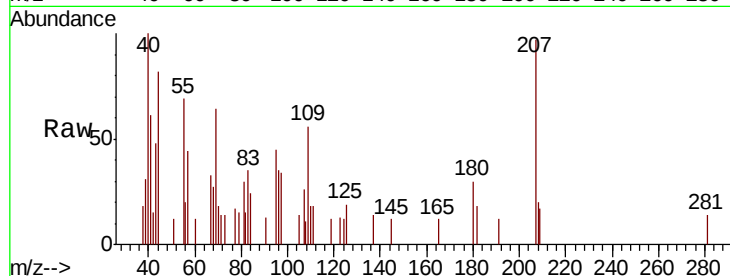




#96
 1,2,3-Trichlorobenzene
 Concen: 2.373 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055206.D
 Acq: 23 Apr 2019 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 M-COMP-4.18.19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	68.3	47.2	141.6
145	22.7	15.4	46.1



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

