

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052119\
 Data File : VN055703.D
 Acq On : 21 May 2019 12:42
 Operator : JC/SP
 Sample : K2956-01DL 25X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 22 05:11:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	406664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	571697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	487771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176349	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	181918	40.81	ug/l	0.00
Spiked Amount			Recovery	=	81.62%	
35) Dibromofluoromethane	7.59	113	173851	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	10.09	98	659120	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	12.40	95	206940	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	29	1.430	ug/l #	14
16) Acetone	3.82	43	95981	52.759	ug/l	95
18) Methyl Acetate	4.34	43	1939	0.497	ug/l #	50
25) 2-Butanone	6.83	43	183835	72.272	ug/l	98
29) Tetrahydrofuran	7.21	42	170857	101.386	ug/l	96
31) Cyclohexane	7.67	56	6021	0.911	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	23732	4.656	ug/l #	49
37) Ethyl Acetate	6.83	43	183835	39.969	ug/l #	67
38) Carbon Tetrachloride	7.67	117	32080	5.890	ug/l #	15
41) Methacrylonitrile	7.21	41	96025	48.832	ug/l #	100
43) Isopropyl Acetate	8.23	43	9102	1.138	ug/l #	53
51) 4-Methyl-2-Pentanone	9.99	43	1112	0.237	ug/l #	34
59) 2-Hexanone	10.76	43	1746	0.528	ug/l #	53
71) Bromoform	12.40	173	1497	0.445	ug/l #	1
73) Isopropylbenzene	12.25	105	1169	Below Cal		89
74) N-amyl acetate	12.07	43	992	0.200	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.50	83	63	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	92943	25.829	ug/l #	100
77) Bromobenzene	12.53	156	892	0.246	ug/l #	36
79) 2-Chlorotoluene	12.77	91	1727	Below Cal		77
80) 1,3,5-Trimethylbenzene	12.73	105	1981	Below Cal		66
81) trans-1,4-Dichloro-2-buten	12.40	75	92943	66.395	ug/l #	17
83) tert-Butylbenzene	12.99	119	935	Below Cal	#	48
84) 1,2,4-Trimethylbenzene	13.04	105	1666	Below Cal		86
85) sec-Butylbenzene	13.17	105	2105	Below Cal		92
86) p-Isopropyltoluene	13.29	119	2388	Below Cal		84
88) 1,4-Dichlorobenzene	13.36	146	1443	0.252	ug/l #	1
89) n-Butylbenzene	13.62	91	2403	0.248	ug/l	89
90) Hexachloroethane	13.87	117	102	Below Cal	#	3
91) 1,2-Dichlorobenzene	13.66	146	1450	0.243	ug/l	88
93) 1,2,4-Trichlorobenzene	14.91	180	2124	0.699	ug/l	93
94) Hexachlorobutadiene	15.01	225	842	Below Cal		95
95) Naphthalene	15.13	128	7802	2.585	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	2878	0.906	ug/l	96

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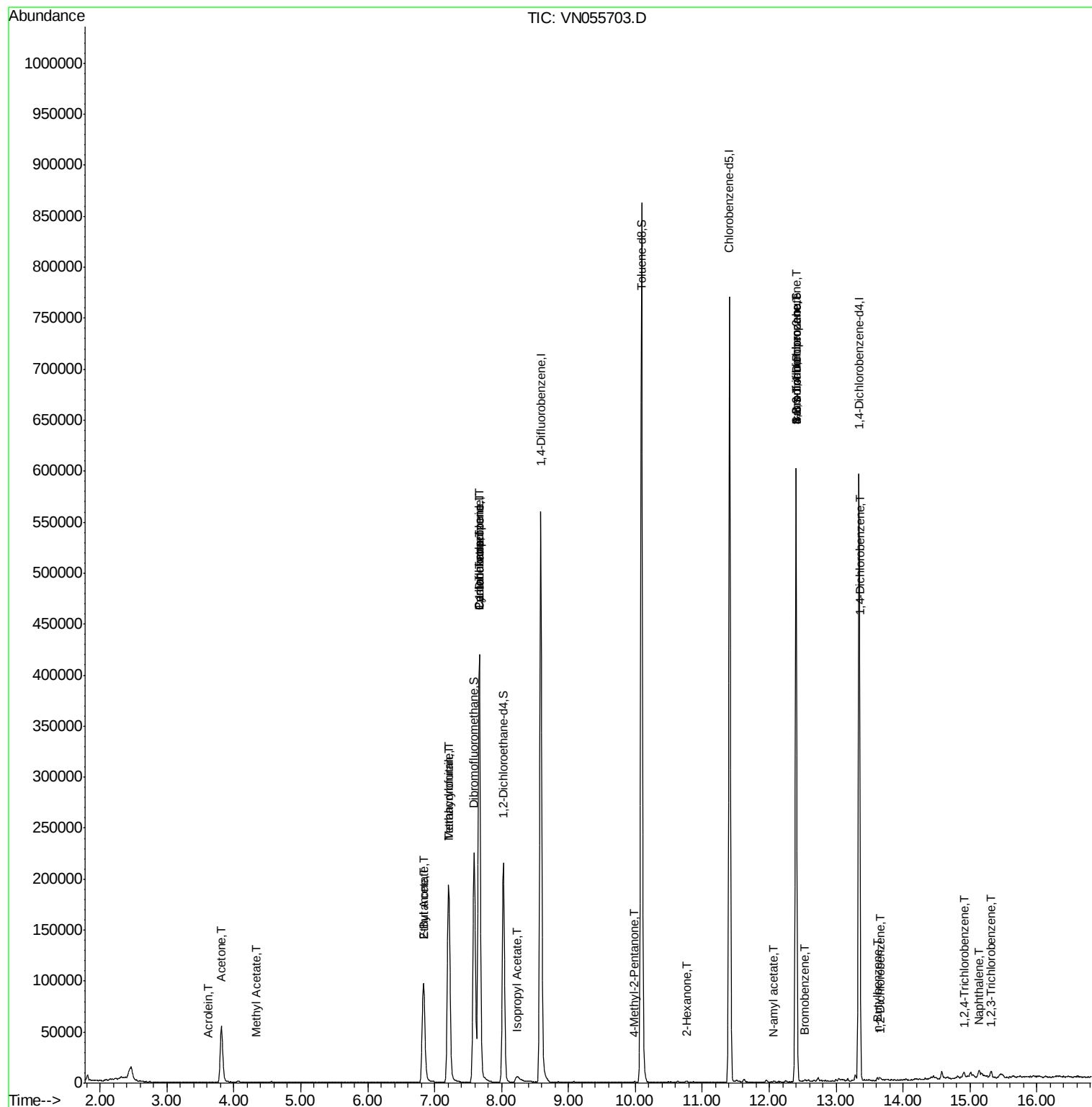
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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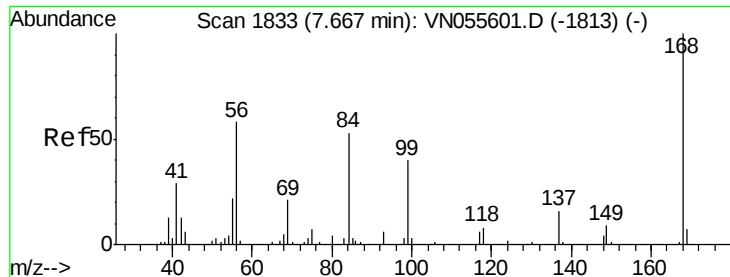
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

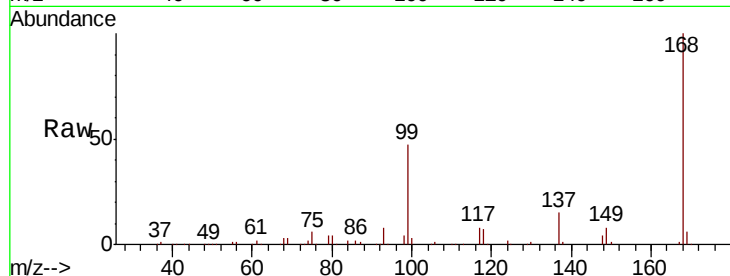
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 406664

Ion Ratio Lower Upper

168 100

99 47.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

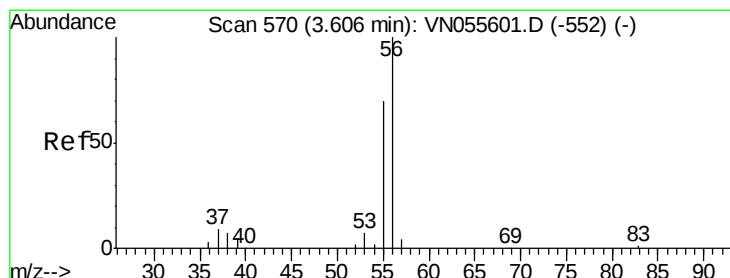
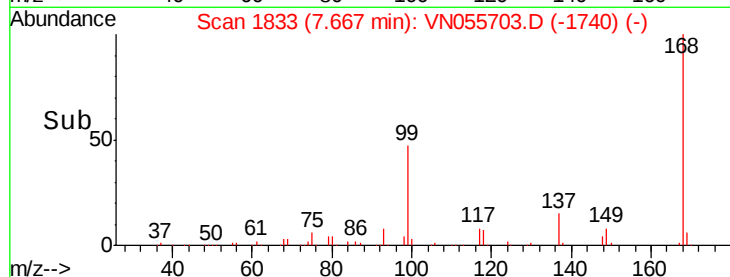
100000

50000

0

Time-->

7.60 7.70 7.80



#13

Acrolein

Concen: 1.430 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN055703.D

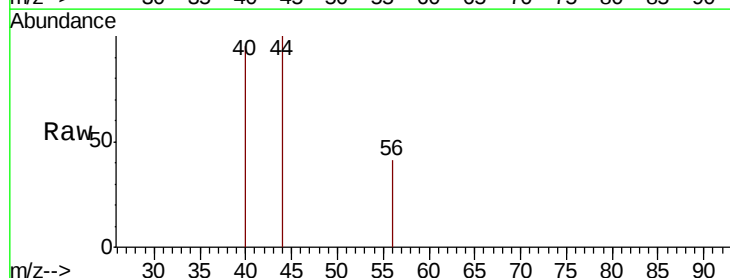
Acq: 21 May 2019 12:42

Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 0.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.62

150

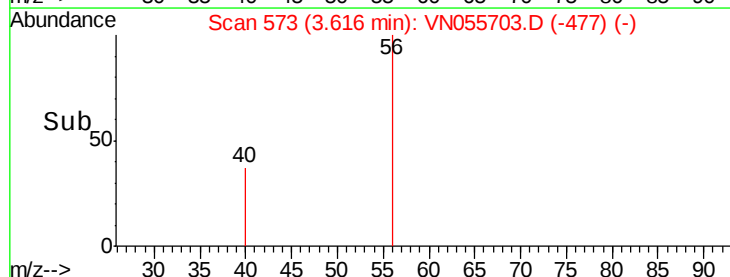
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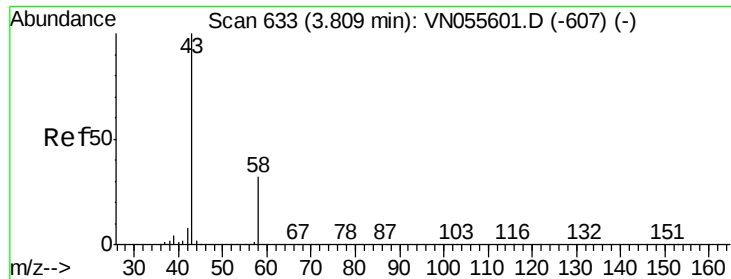
50

0

Time-->

3.61 3.61 3.62 3.62 3.63





#16

Acetone

Concen: 52.759 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

Instrument :

MSVOA_N

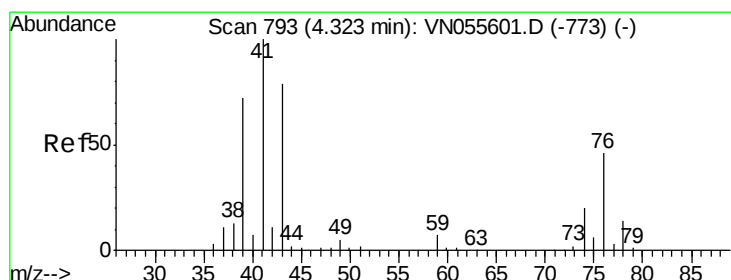
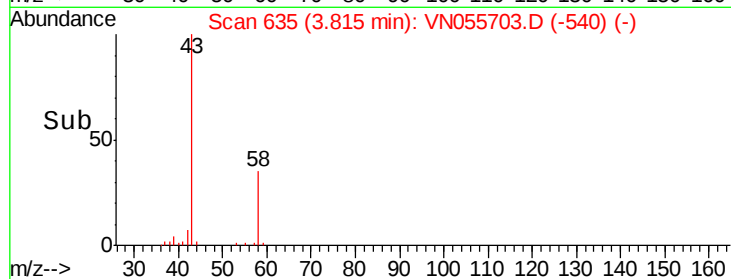
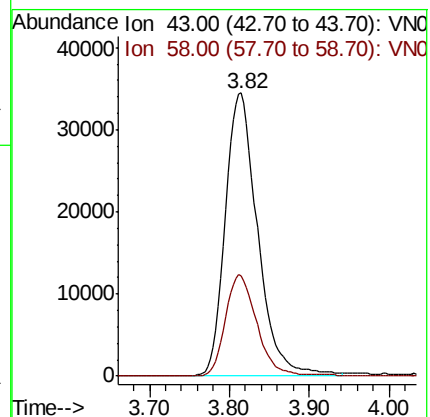
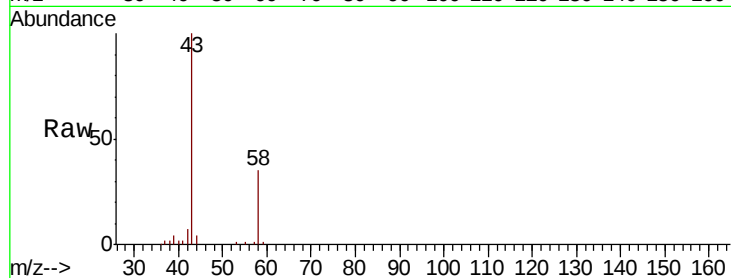
ClientSampleId :

Tot Ion: 43 Resp: 95981

Ion Ratio Lower Upper

43 100

58 35.4 26.0 39.0



#18

Methyl Acetate

Concen: 0.497 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN055703.D

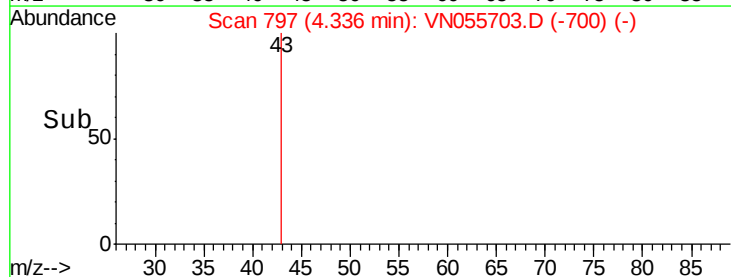
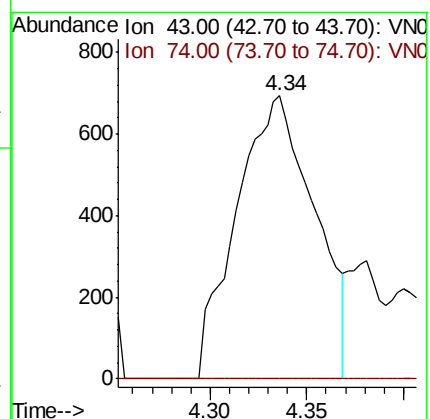
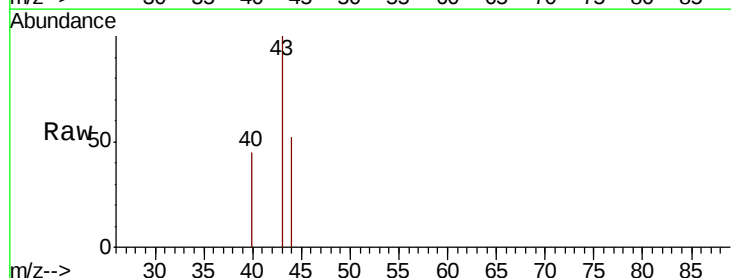
Acq: 21 May 2019 12:42

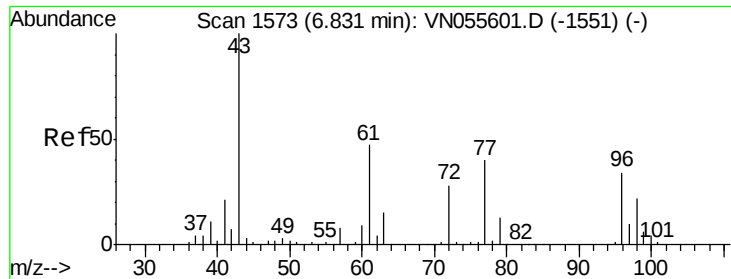
Tgt Ion: 43 Resp: 1939

Ion Ratio Lower Upper

43 100

74 0.0 19.9 29.9#

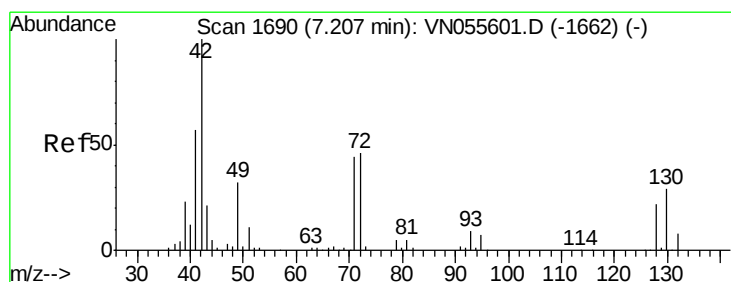
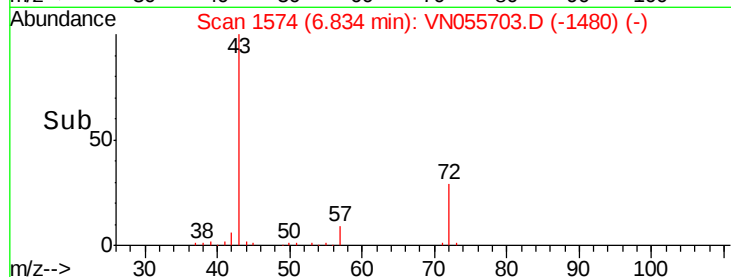
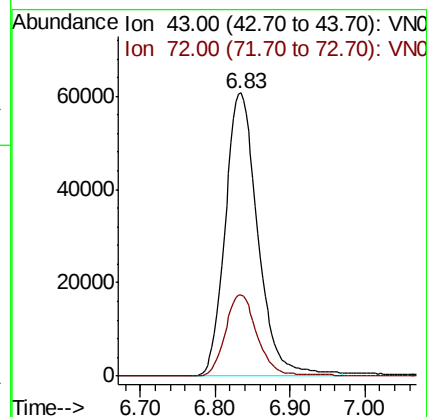
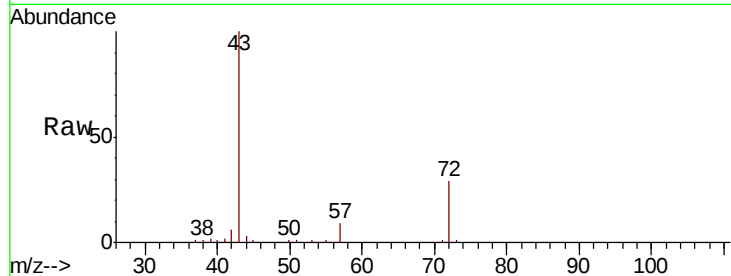




#25
2-Butanone
Concen: 72.272 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN055703.D
Acq: 21 May 2019 12:42

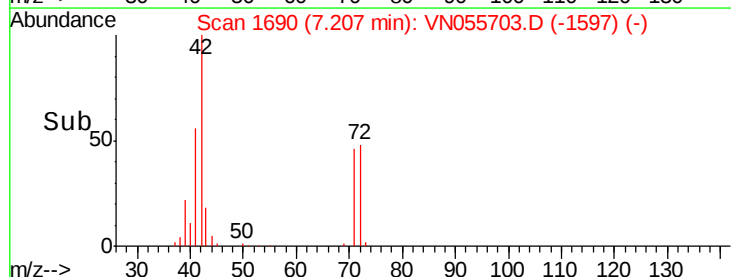
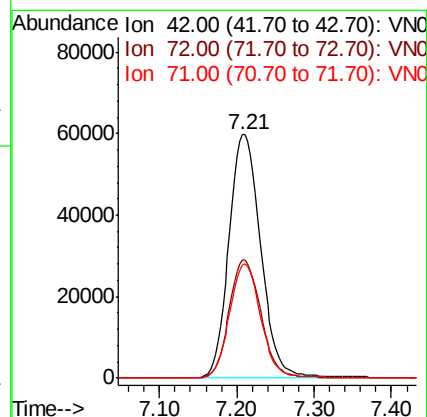
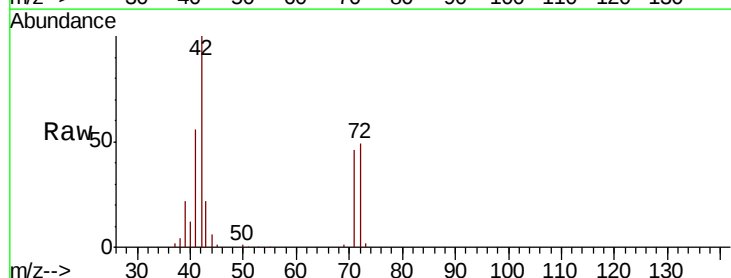
Instrument :
MSVOA_N
ClientSampled :

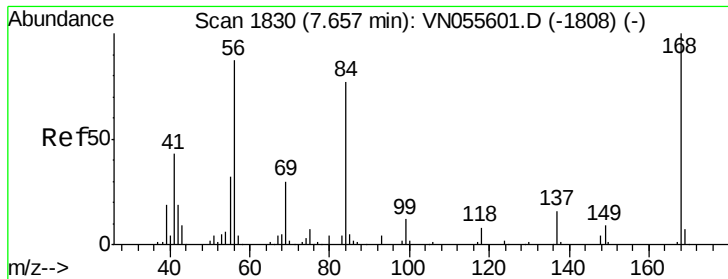
Tot Ion: 43 Resp: 183835
Ion Ratio Lower Upper
43 100
72 28.7 22.3 33.5



#29
Tetrahydrofuran
Concen: 101.386 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VN055703.D
Acq: 21 May 2019 12:42

Tgt Ion: 42 Resp: 170857
Ion Ratio Lower Upper
42 100
72 48.5 36.5 54.7
71 46.0 34.9 52.3

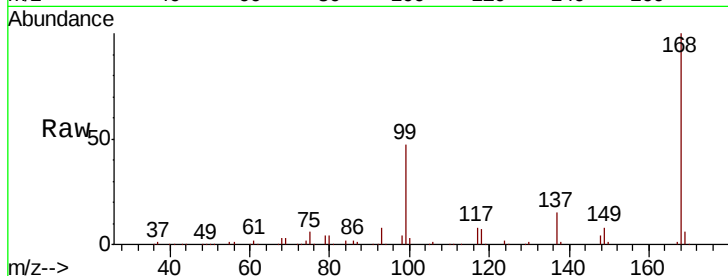




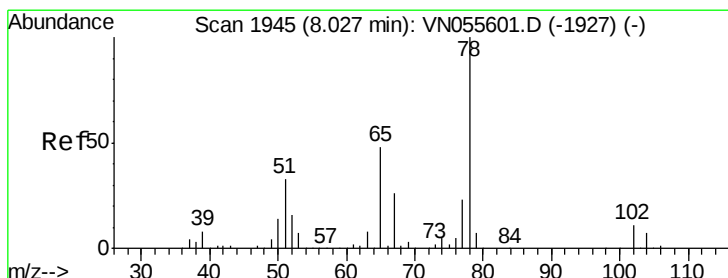
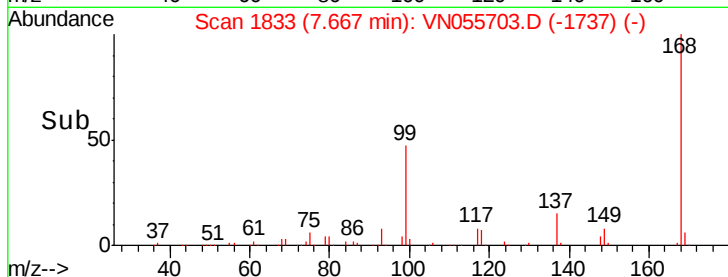
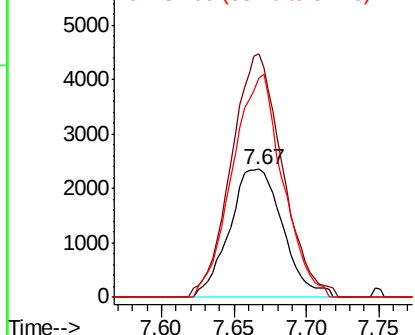
#31
Cyclohexane
Concen: 0.911 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055703.D
Acq: 21 May 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 6021
Ion Ratio Lower Upper
56 100
69 189.7 27.2 40.8#
84 170.6 71.3 106.9#

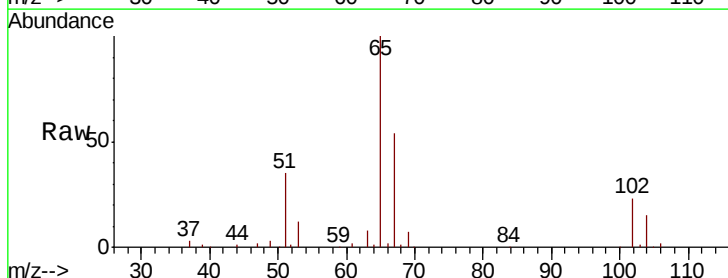


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

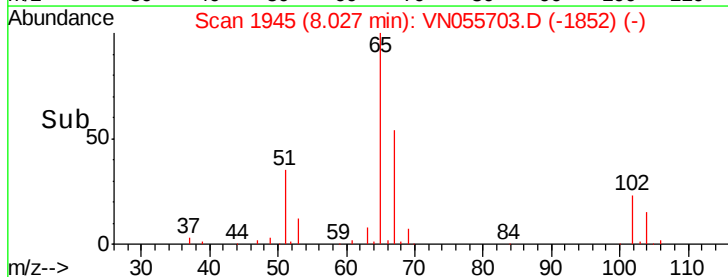
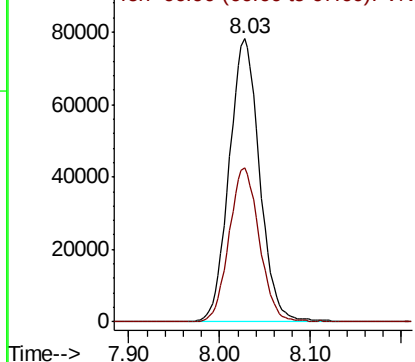


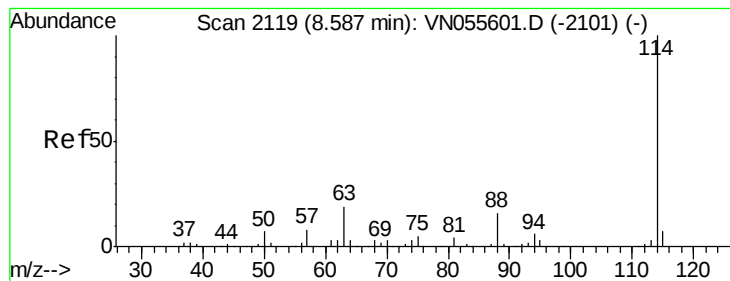
#33
1,2-Dichloroethane-d4
Concen: 40.808 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055703.D
Acq: 21 May 2019 12:42

Tgt Ion: 65 Resp: 181918
Ion Ratio Lower Upper
65 100
67 54.1 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: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

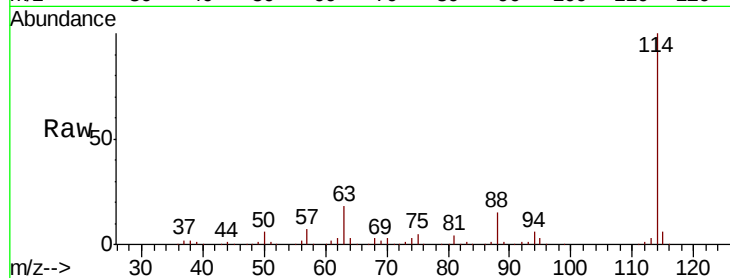
Tot Ion:114 Resp: 571697

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.2

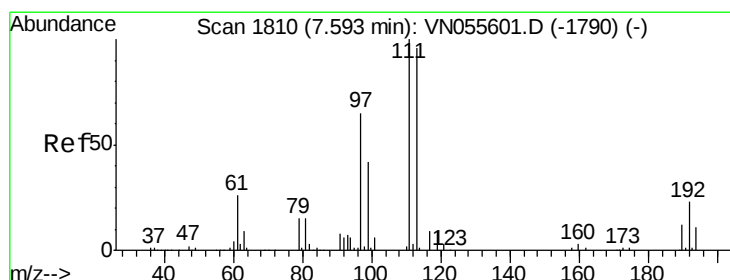
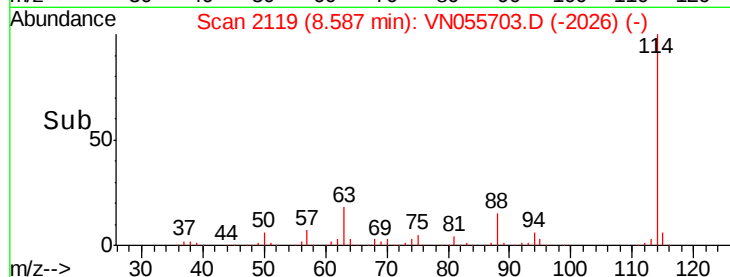
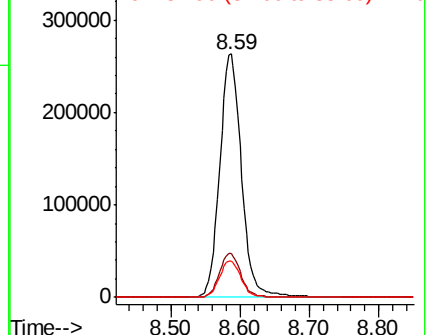
88 15.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.871 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

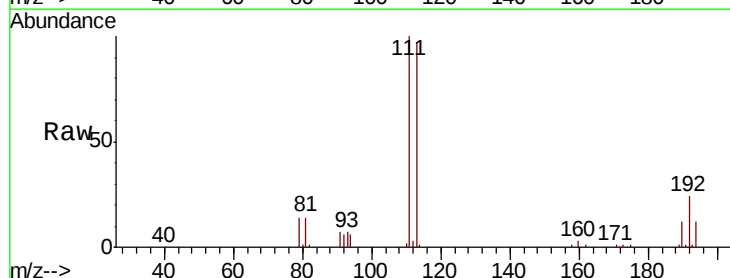
Tgt Ion:113 Resp: 173851

Ion Ratio Lower Upper

113 100

111 103.6 82.5 123.7

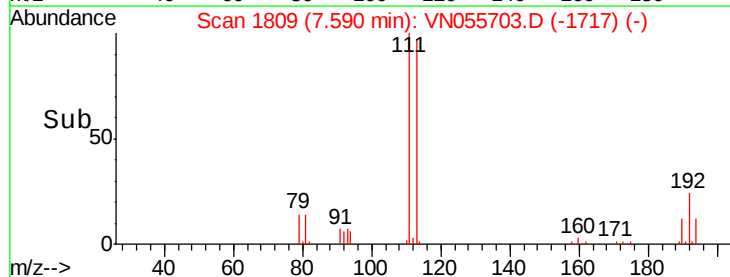
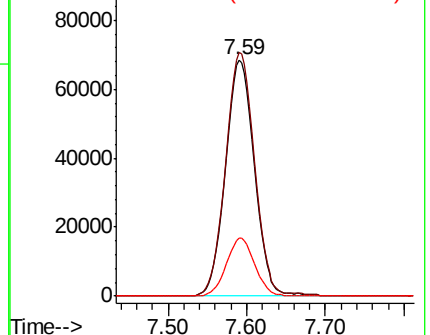
192 24.1 18.7 28.1

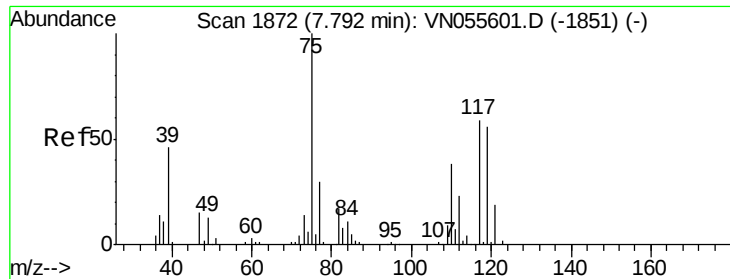


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

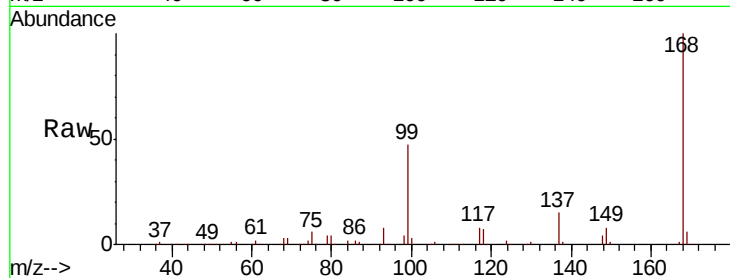




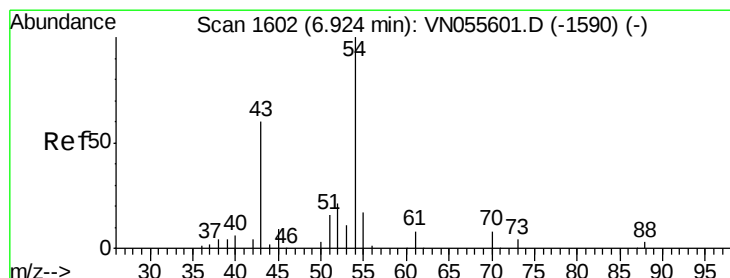
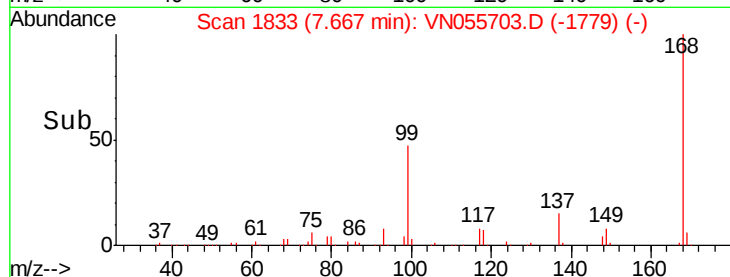
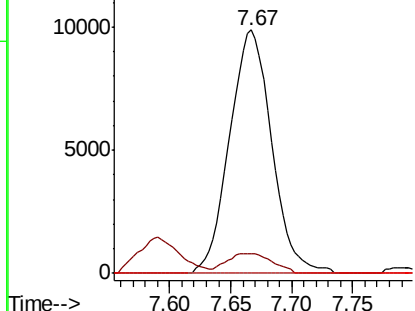
#36
 1,1-Dichloropropene
 Concen: 4.656 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055703.D
 Acq: 21 May 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.6	55.6#
77	0.0	24.9	37.3#

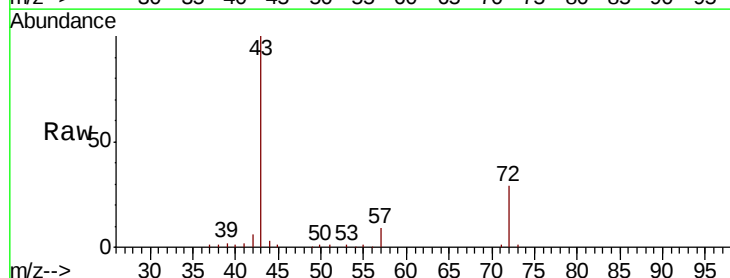


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN
 Ion 76.90 (76.60 to 77.60): VN

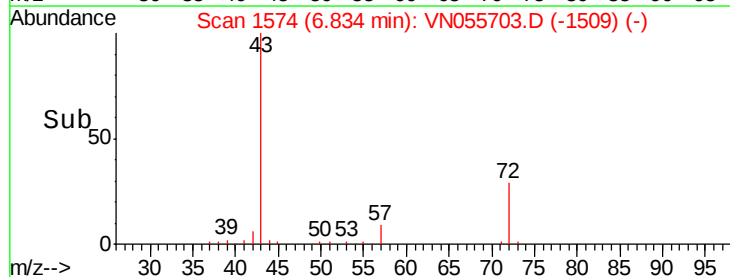
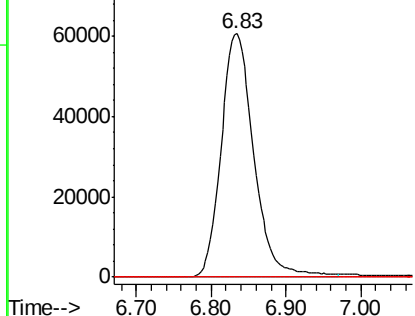


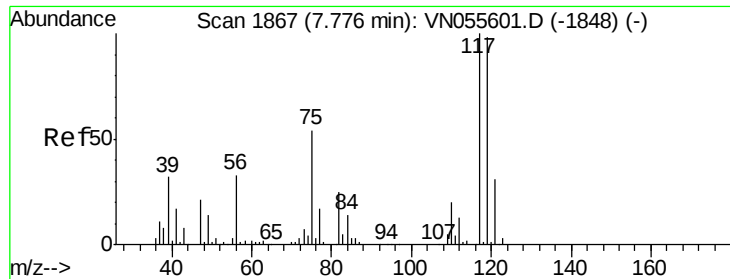
#37
 Ethyl Acetate
 Concen: 39.969 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.09 min
 Lab File: VN055703.D
 Acq: 21 May 2019 12:42

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	0.0	9.2	13.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

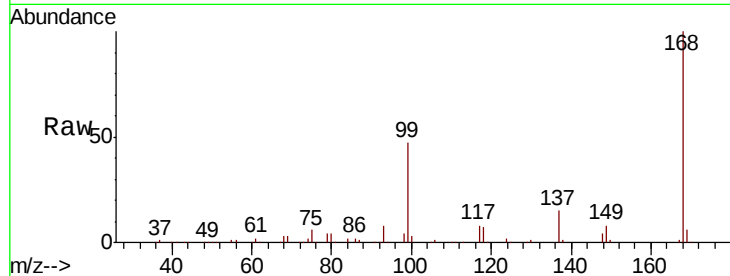




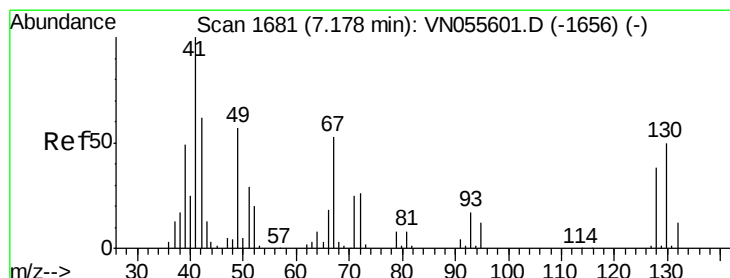
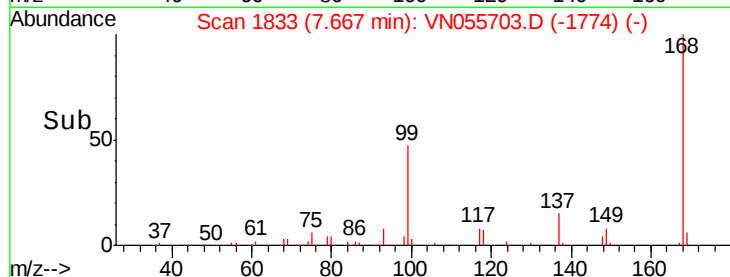
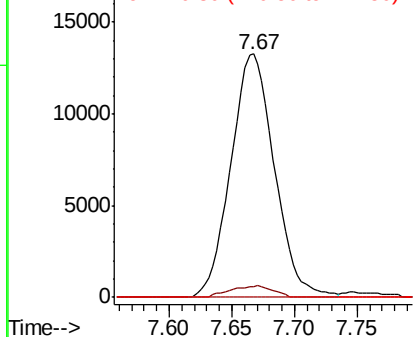
#38
Carbon Tetrachloride
Concen: 5.890 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN055703.D
Acq: 21 May 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 32080
Ion Ratio Lower Upper
117 100
119 4.6 77.8 116.8#
121 0.0 24.6 37.0#

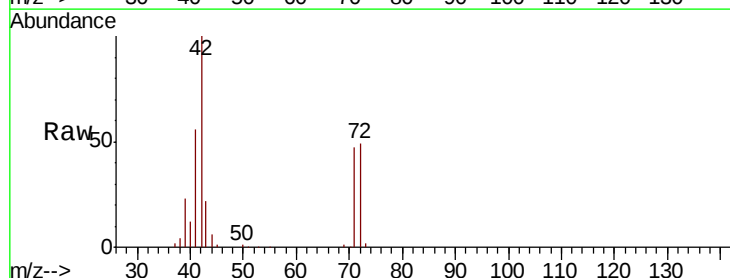


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

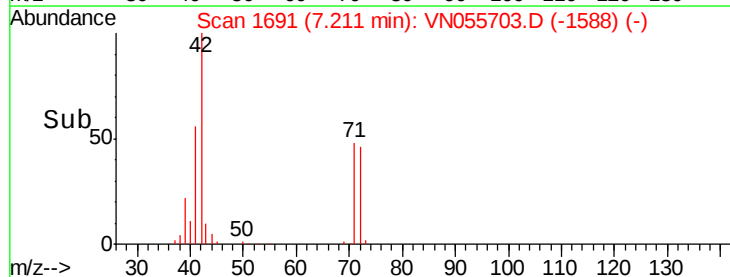
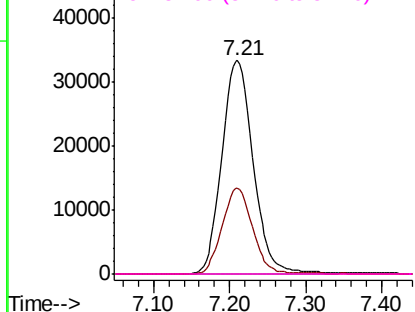


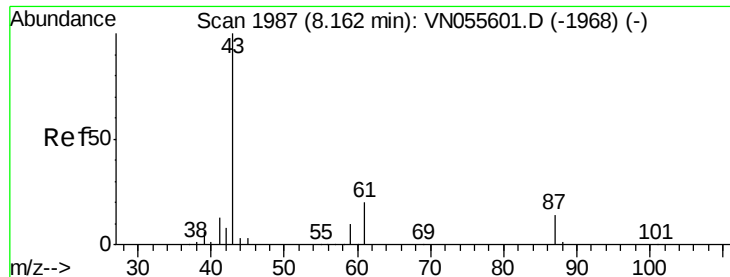
#41
Methacrylonitrile
Concen: 48.832 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.03 min
Lab File: VN055703.D
Acq: 21 May 2019 12:42

Tgt Ion: 41 Resp: 96025
Ion Ratio Lower Upper
41 100
39 38.9 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 1.138 ug/l

RT: 8.23 min Scan# 2009

Delta R.T. 0.07 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

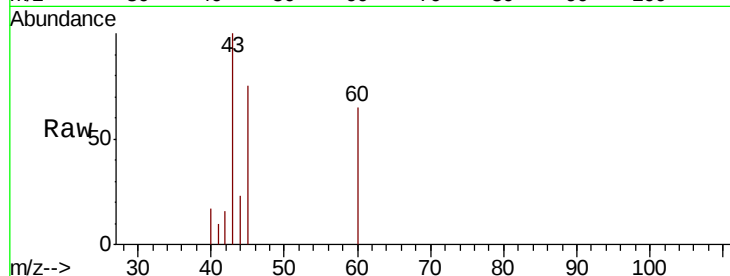
Tot Ion: 43 Resp: 9102

Ion Ratio Lower Upper

43 100

61 0.0 22.1 33.1#

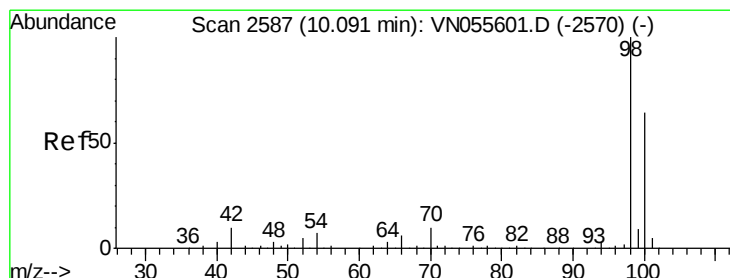
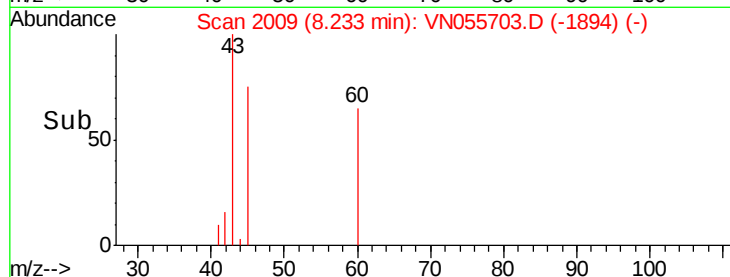
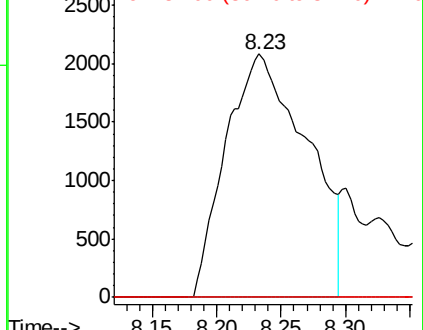
87 0.0 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055601.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055601.D (-1968) (-)



#50

Toluene-d8

Concen: 47.999 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055703.D

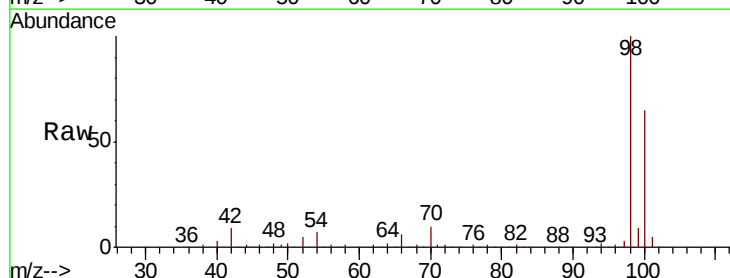
Acq: 21 May 2019 12:42

Tgt Ion: 98 Resp: 659120

Ion Ratio Lower Upper

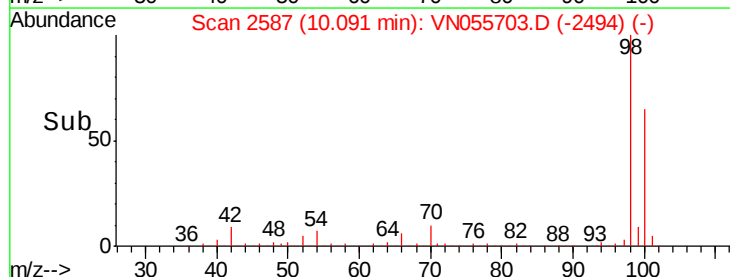
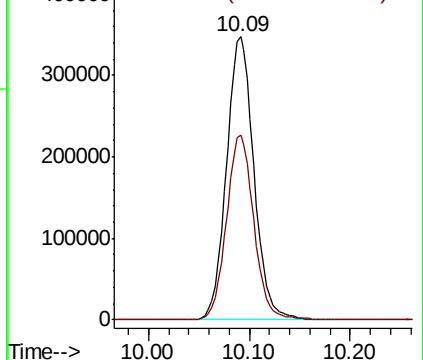
98 100

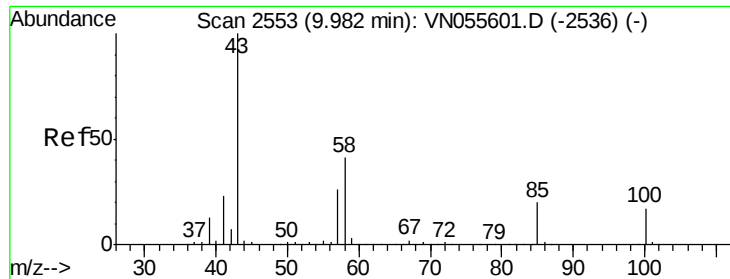
100 65.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055601.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055601.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.237 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

Instrument :

MSVOA_N

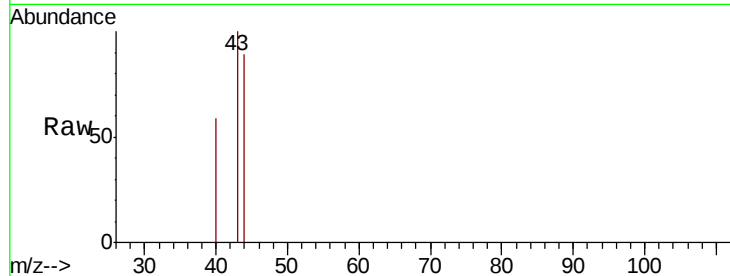
ClientSampled :

Tot Ion: 43 Resp: 1112

Ion Ratio Lower Upper

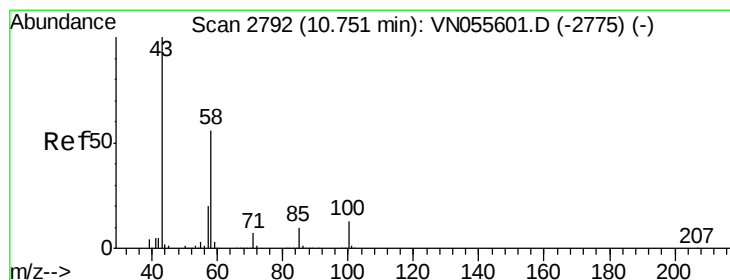
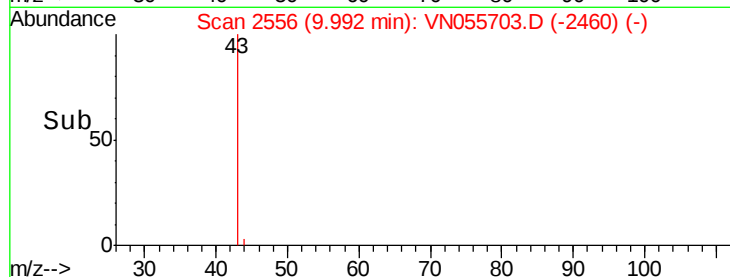
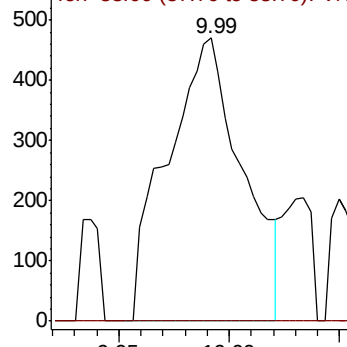
43 100

58 0.0 32.7 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 0.528 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN055703.D

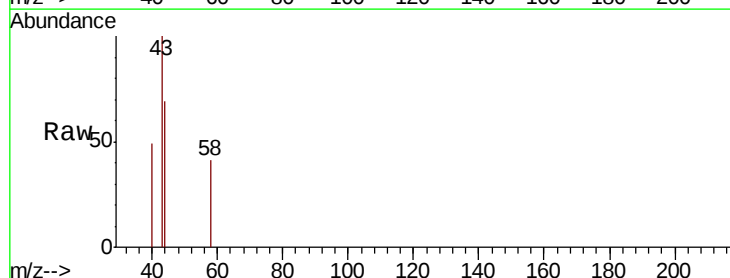
Acq: 21 May 2019 12:42

Tgt Ion: 43 Resp: 1746

Ion Ratio Lower Upper

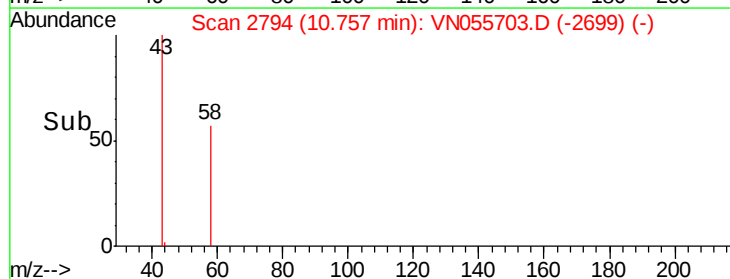
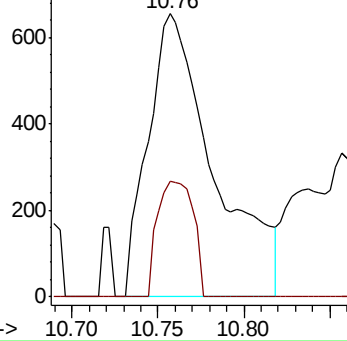
43 100

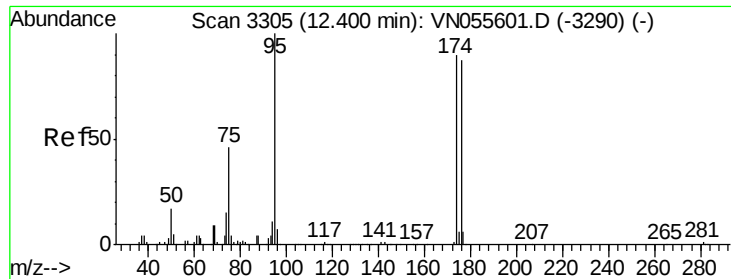
58 22.2 28.1 84.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

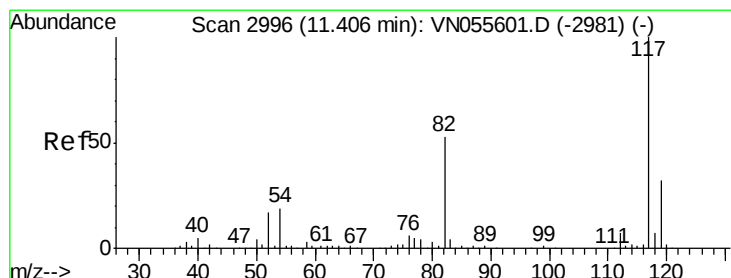
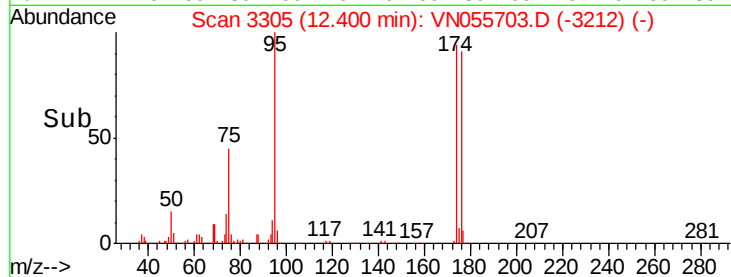
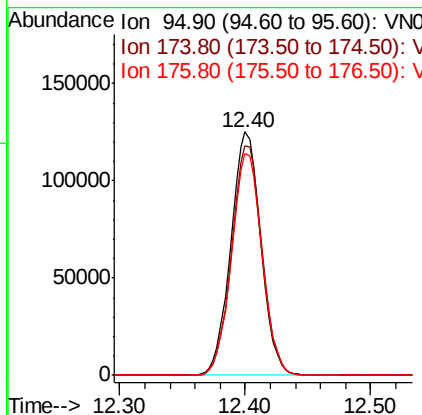
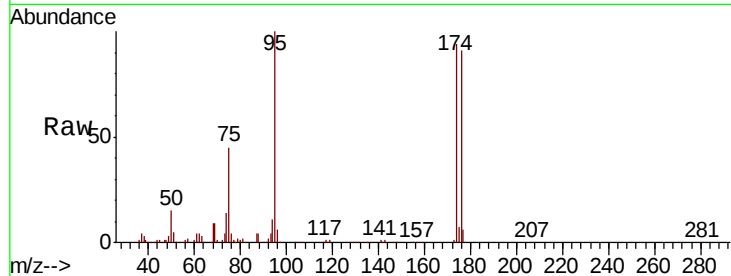




#62
4-Bromofluorobenzene
Concen: 43.642 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055703.D
Acq: 21 May 2019 12:42

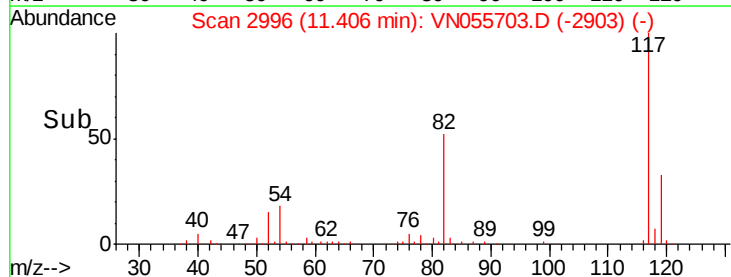
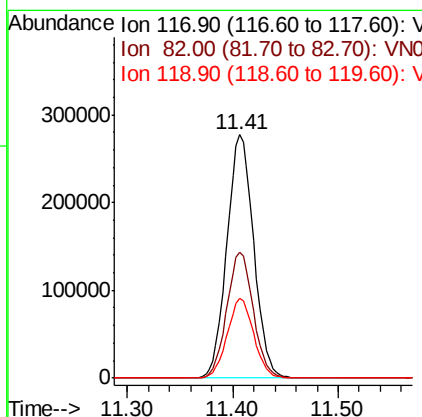
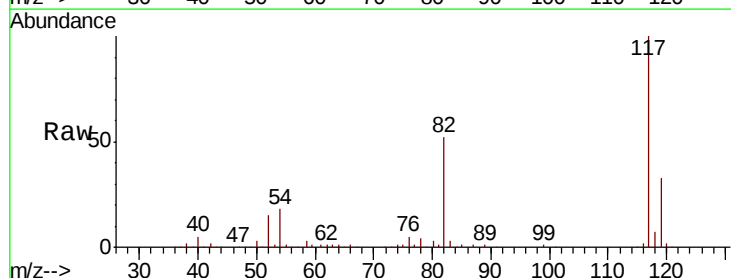
Instrument :
MSVOA_N
ClientSampleId :

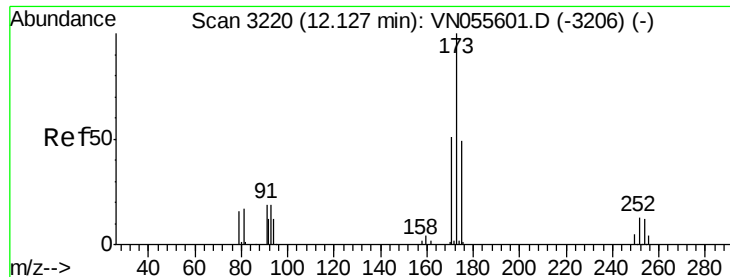
Tot Ion: 95 Resp: 206940
Ion Ratio Lower Upper
95 100
174 95.8 0.0 180.6
176 92.7 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055703.D
Acq: 21 May 2019 12:42

Tgt Ion: 117 Resp: 487771
Ion Ratio Lower Upper
117 100
82 51.7 42.3 63.5
119 32.8 25.4 38.2





#71

Bromoform

Concen: 0.445 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

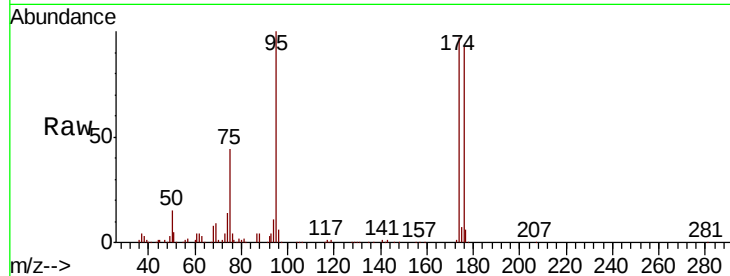
Tot Ion:173 Resp: 1497

Ion Ratio Lower Upper

173 100

175 872.2 24.3 72.9#

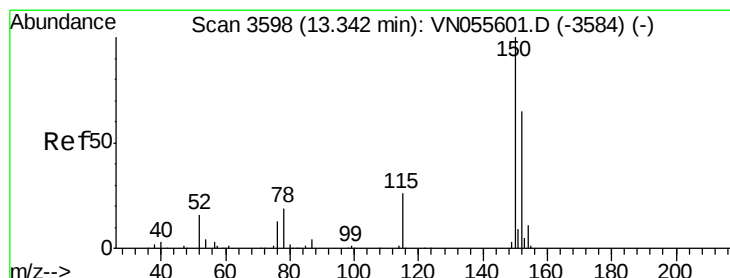
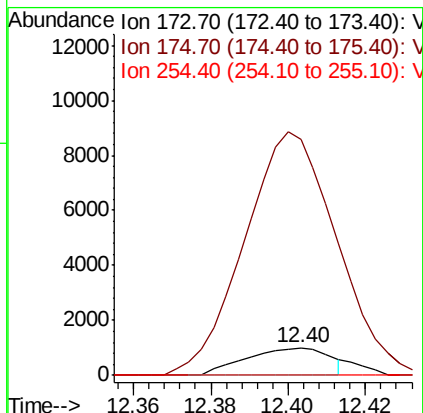
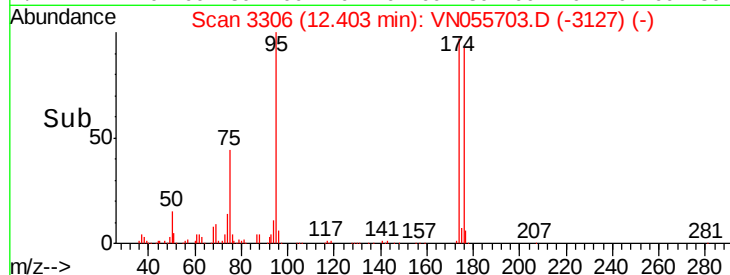
254 0.0 0.1 0.1#



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: VN055703.D

Acq: 21 May 2019 12:42

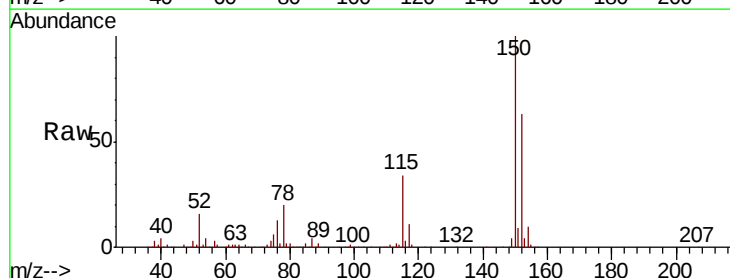
Tgt Ion:152 Resp: 176349

Ion Ratio Lower Upper

152 100

115 54.4 28.1 84.2

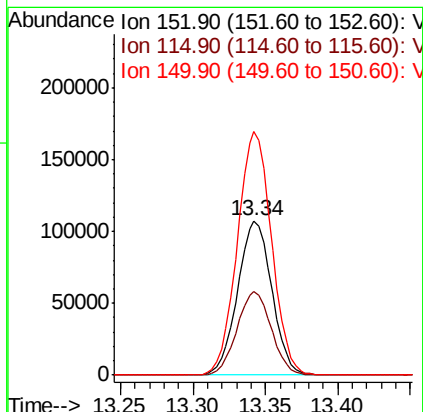
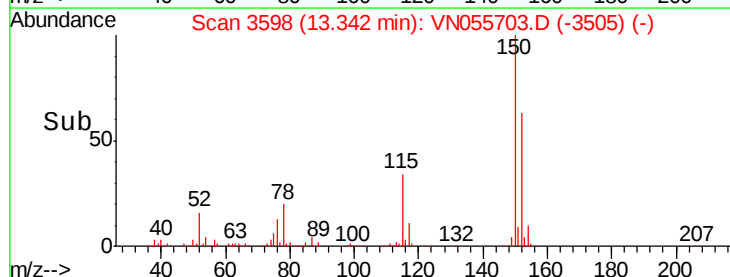
150 157.5 0.0 348.0

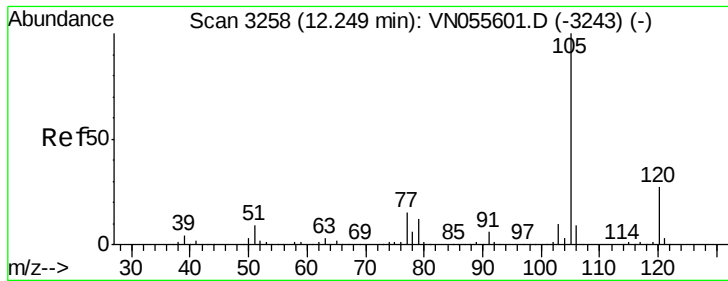


Abundance Ion 151.90 (151.60 to 152.60): V

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# 3257

Delta R.T. -0.00 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

Instrument :

MSVOA_N

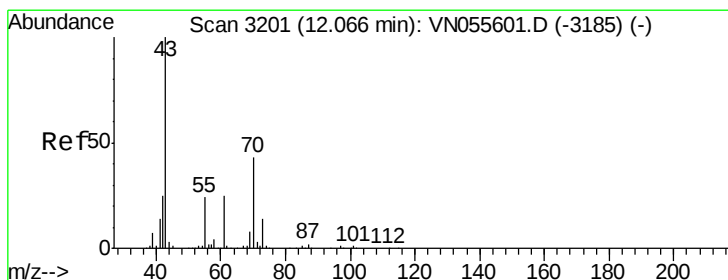
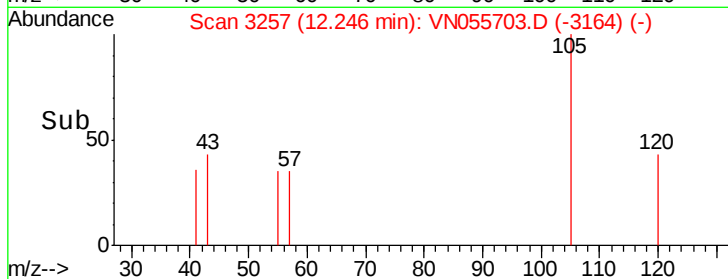
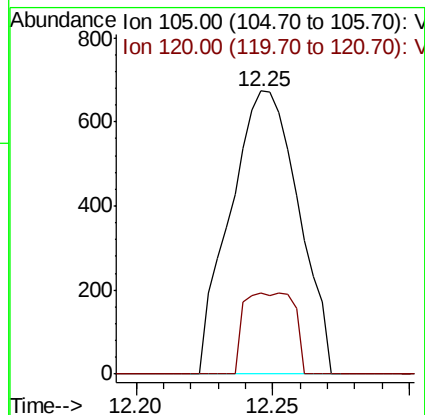
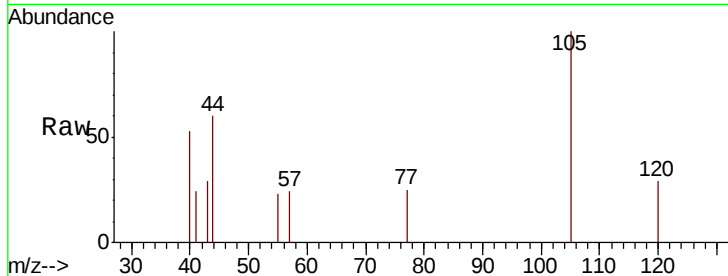
ClientSampleId :

Tot Ion:105 Resp: 1169

Ion Ratio Lower Upper

105 100

120 21.1 13.4 40.2



#74

N-ethyl acetate

Concen: 0.200 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

Tgt Ion: 43 Resp: 992

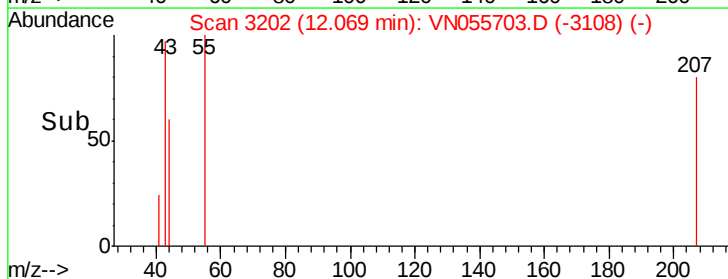
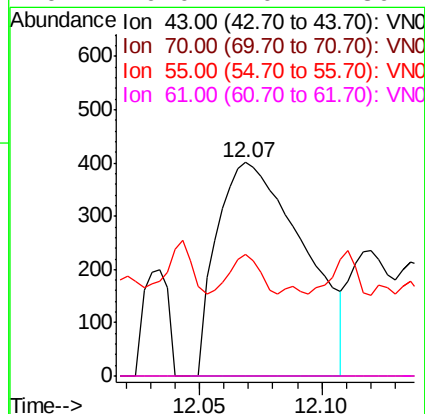
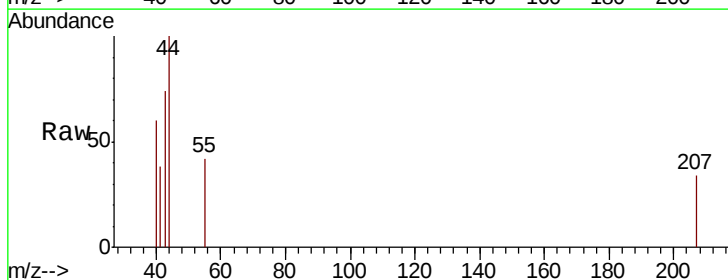
Ion Ratio Lower Upper

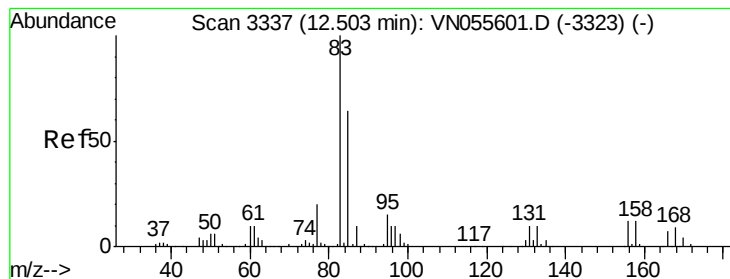
43 100

70 0.0 35.0 52.6#

55 10.2 18.9 28.3#

61 0.0 20.1 30.1#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3335

Delta R.T. -0.01 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

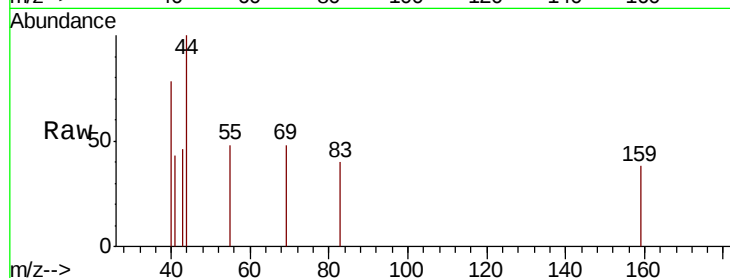
Tot Ion: 83 Resp: 63

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

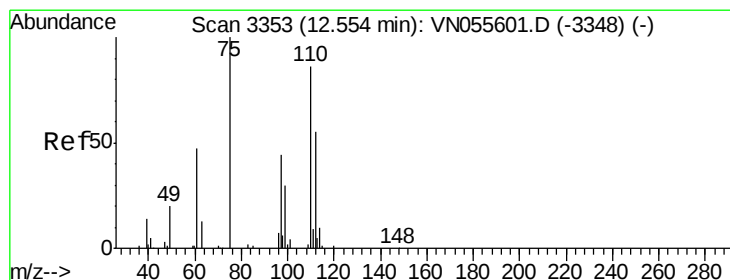
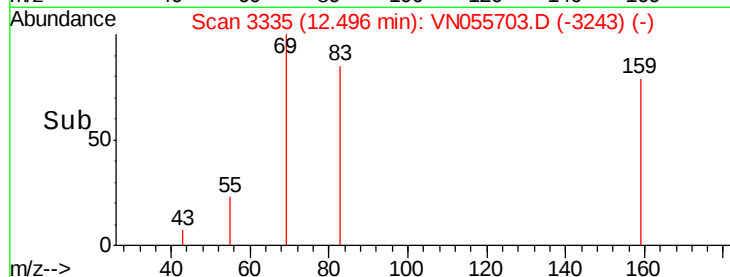
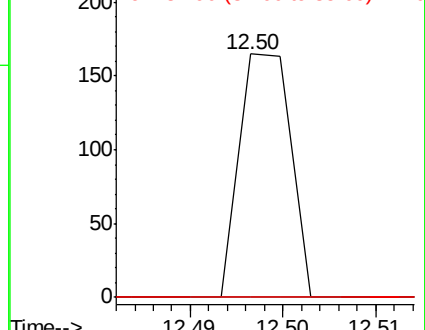
85 0.0 32.0 96.2#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.829 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055703.D

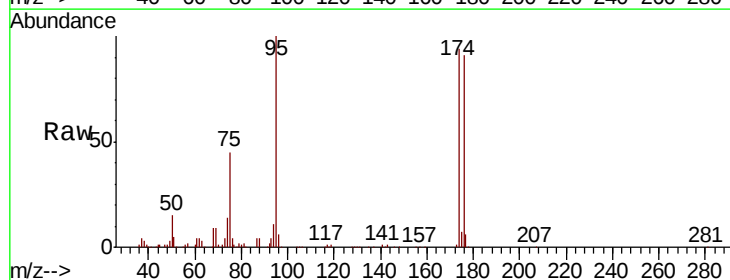
Acq: 21 May 2019 12:42

Tgt Ion: 75 Resp: 92943

Ion Ratio Lower Upper

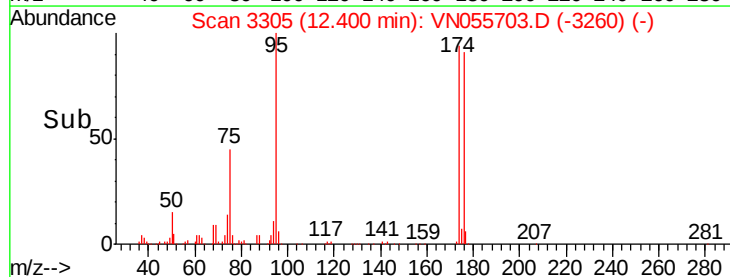
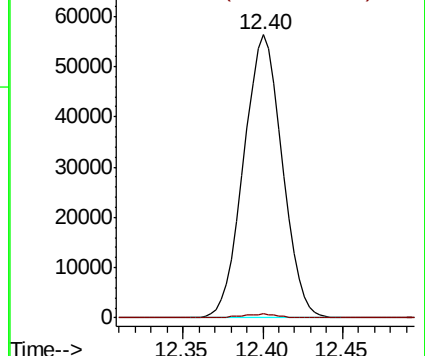
75 100

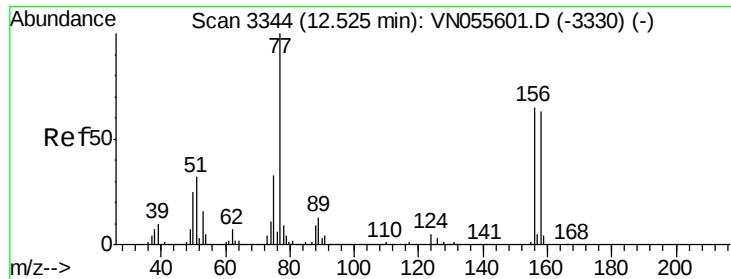
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.246 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

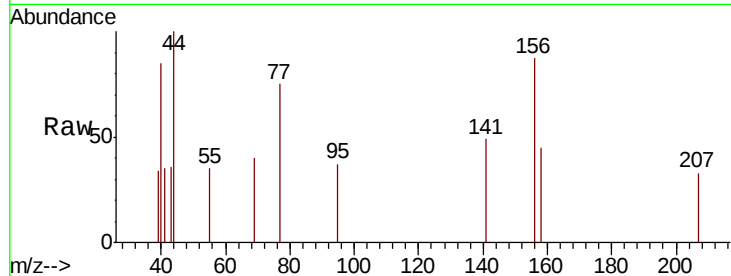
Tot Ion:156 Resp: 892

Ion Ratio Lower Upper

156 100

77 98.0 94.5 283.5

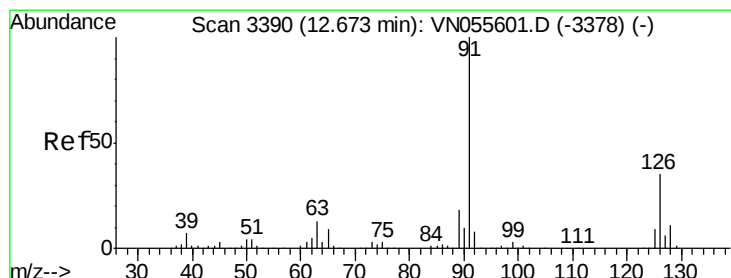
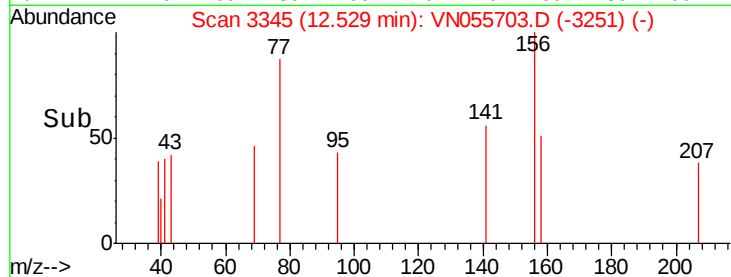
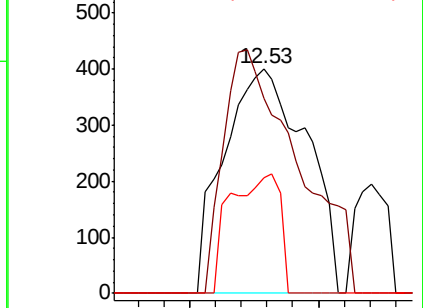
158 31.8 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.77 min Scan# 3421

Delta R.T. 0.10 min

Lab File: VN055703.D

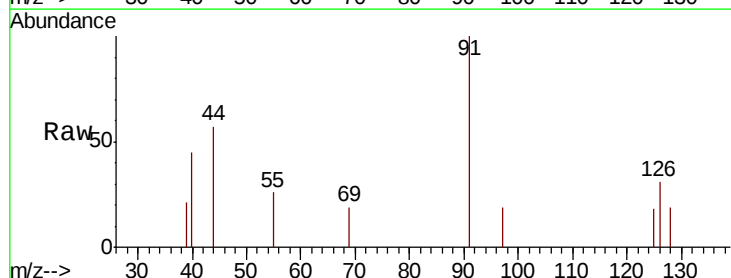
Acq: 21 May 2019 12:42

Tgt Ion: 91 Resp: 1727

Ion Ratio Lower Upper

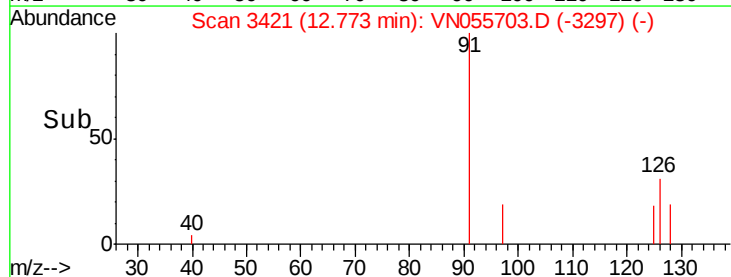
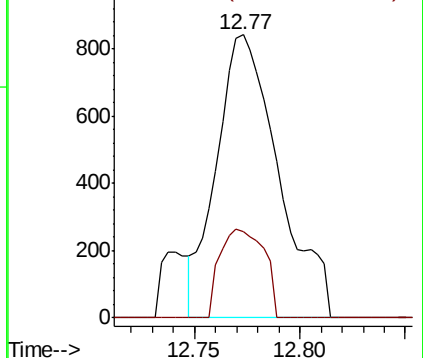
91 100

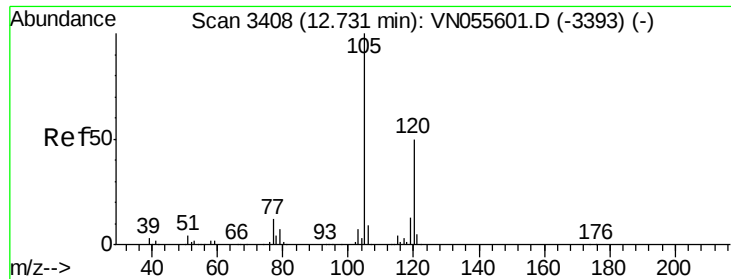
126 22.2 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 125.90 (125.60 to 126.60): V

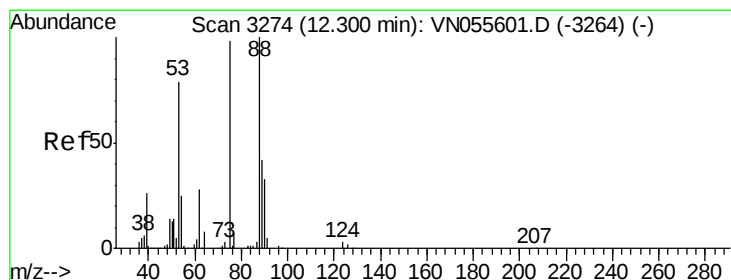
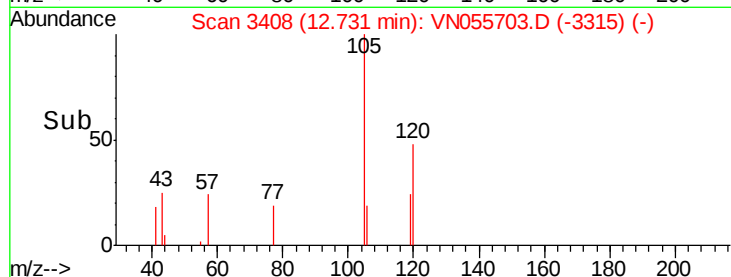
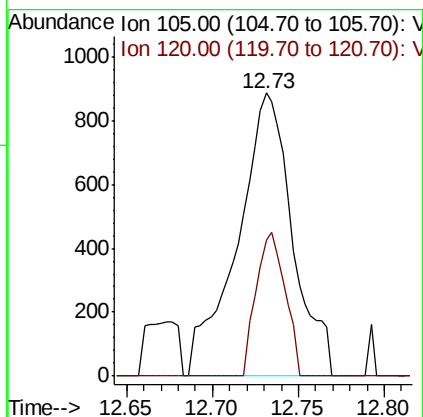
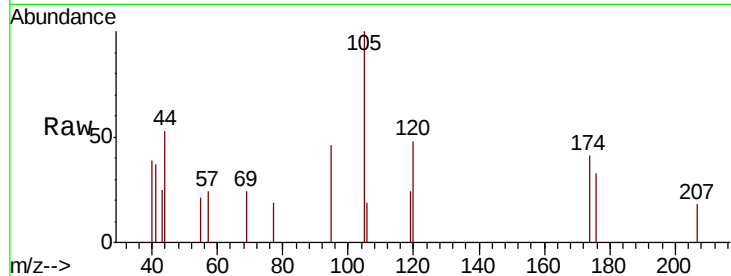




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055703.D
 Acq: 21 May 2019 12:42

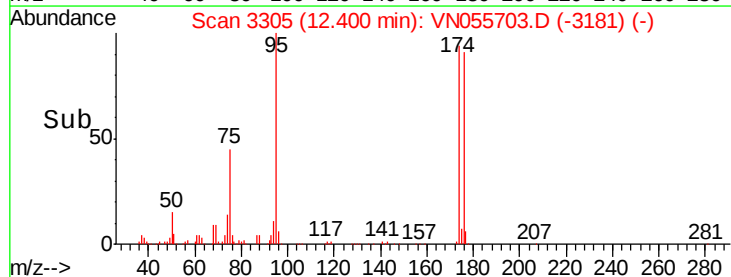
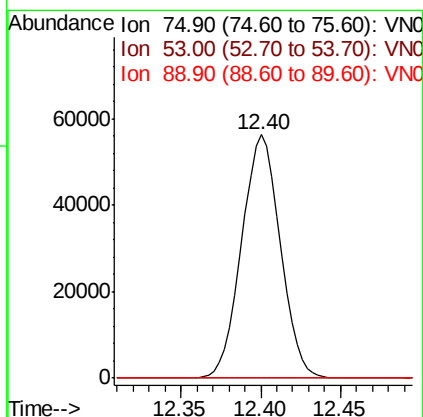
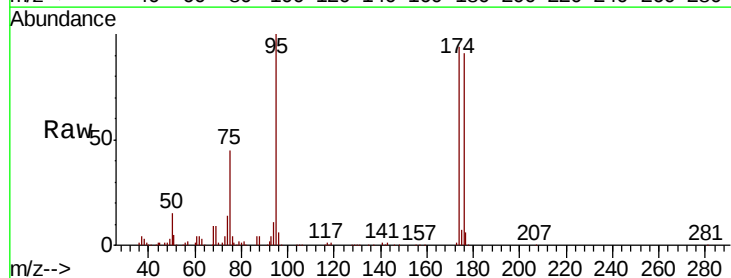
Instrument :
 MSVOA_N
 ClientSampled :

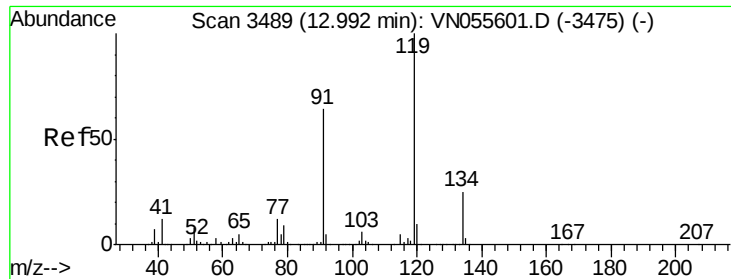
Tot Ion: 105 Resp: 1981
 Ion Ratio Lower Upper
 105 100
 120 26.4 24.6 74.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.395 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055703.D
 Acq: 21 May 2019 12:42

Tgt Ion: 75 Resp: 92943
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.1 97.7#
 89 0.0 36.4 54.6#

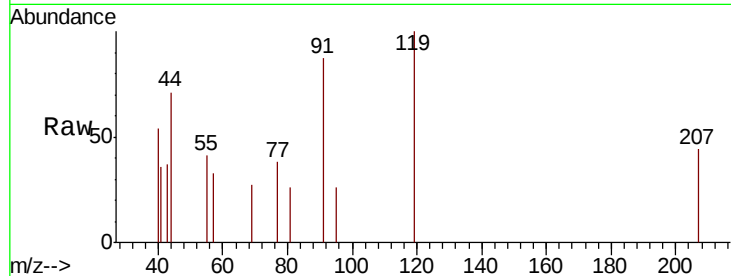




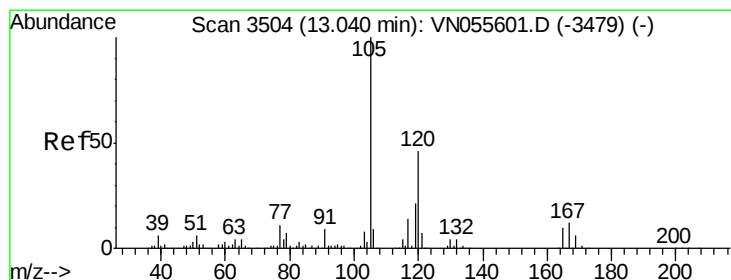
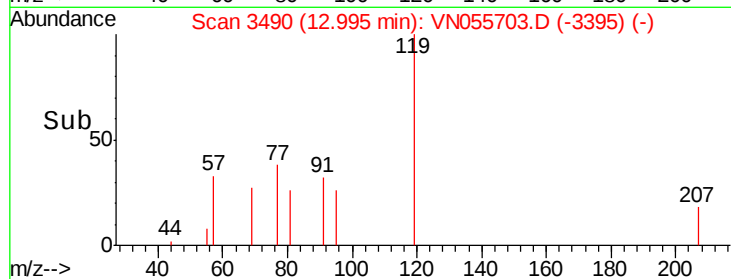
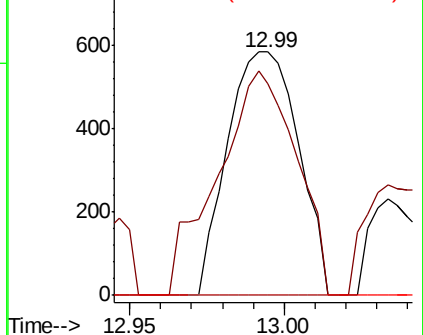
#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055703.D
 Acq: 21 May 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 935
 Ion Ratio Lower Upper
 119 100
 91 102.9 31.3 93.8#
 134 0.0 13.2 39.6#

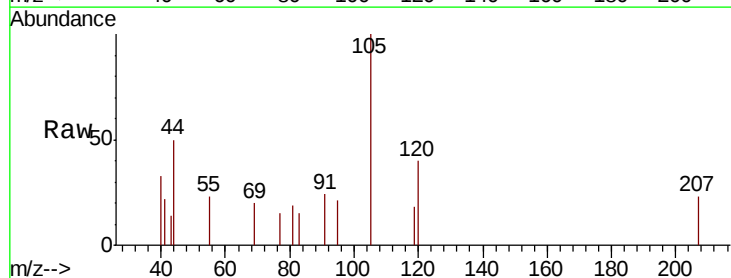


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

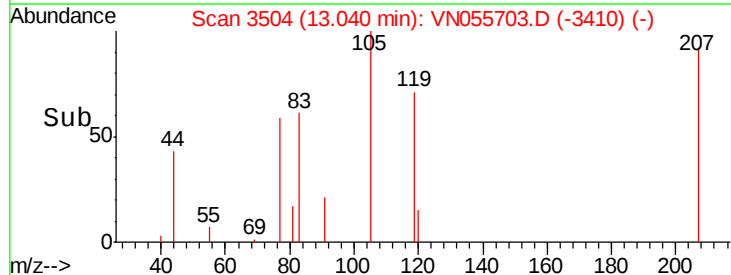
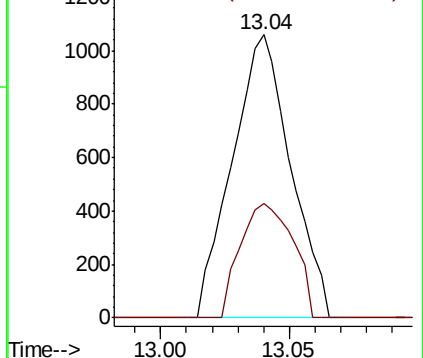


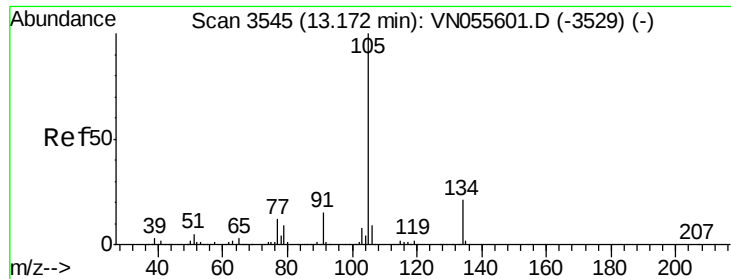
#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055703.D
 Acq: 21 May 2019 12:42

Tgt Ion:105 Resp: 1666
 Ion Ratio Lower Upper
 105 100
 120 36.7 23.1 69.2



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





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

Instrument :

MSVOA_N

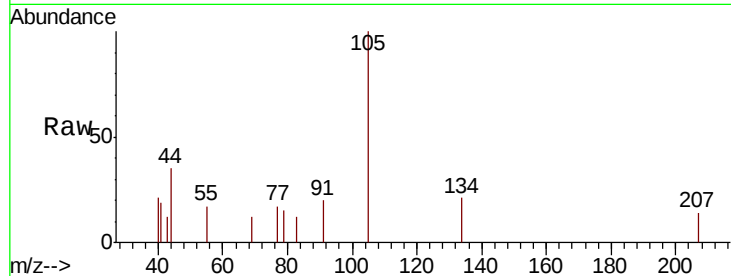
ClientSampled :

Tot Ion:105 Resp: 2105

Ion Ratio Lower Upper

105 100

134 17.0 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

1500

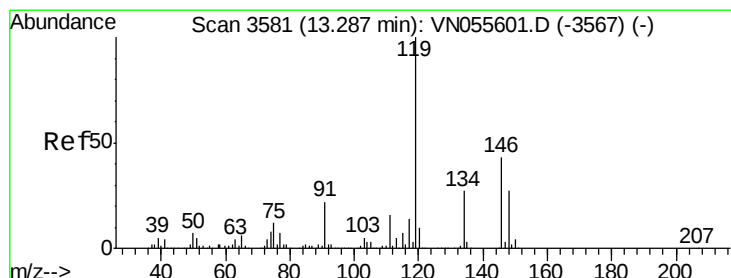
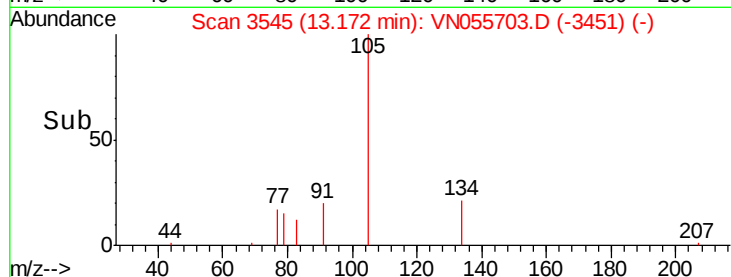
1000

500

0

Time-->

13.15 13.20



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

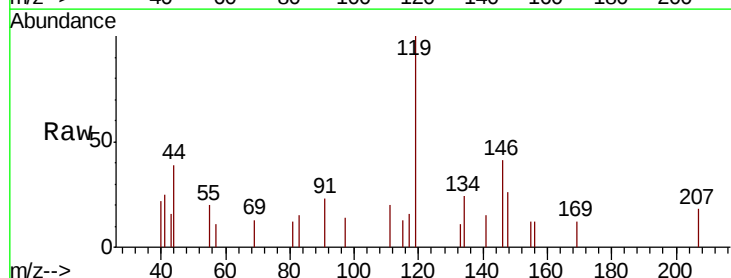
Tgt Ion:119 Resp: 2388

Ion Ratio Lower Upper

119 100

134 20.1 13.4 40.2

91 31.2 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

2000

1500

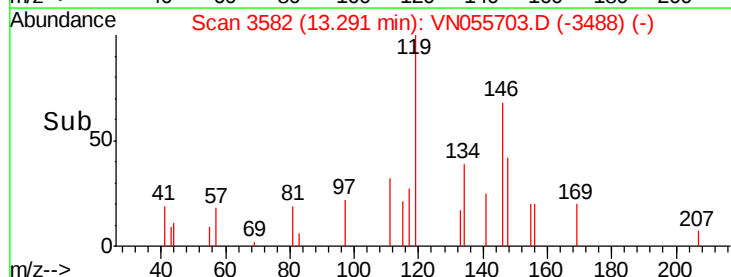
1000

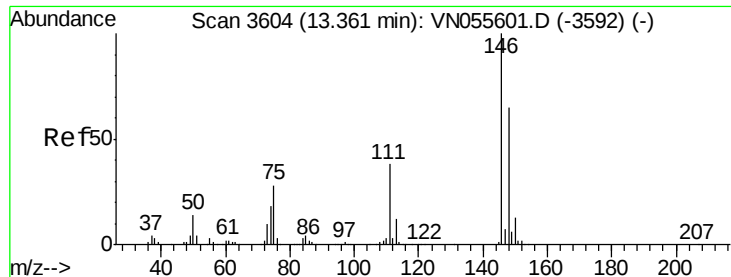
500

0

Time-->

13.25 13.30





#88

1,4-Dichlorobenzene

Concen: 0.252 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

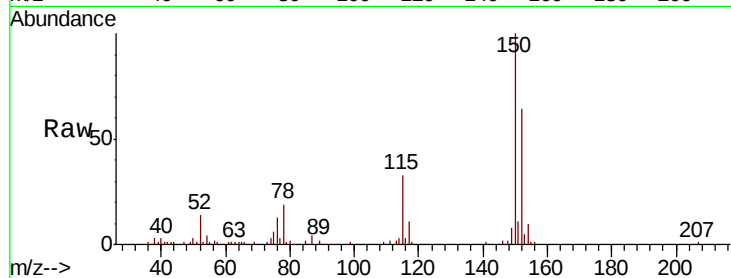
Tot Ion:146 Resp: 1443

Ion Ratio Lower Upper

146 100

111 187.9 18.8 56.4#

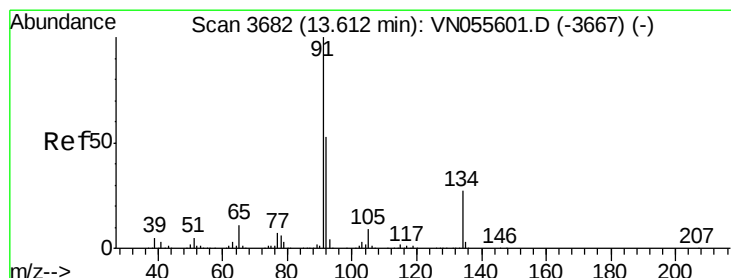
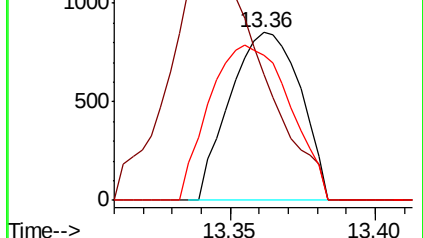
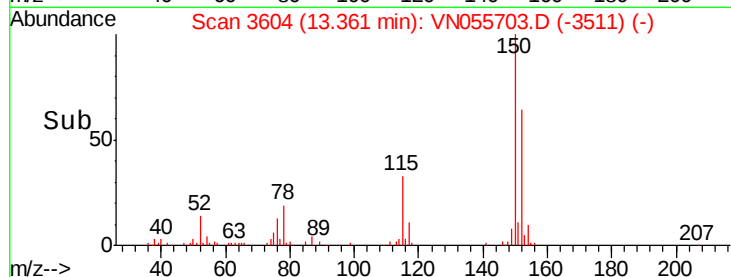
148 105.7 32.4 97.0#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.248 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

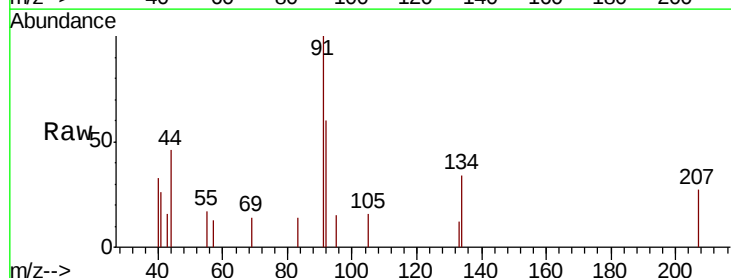
Tgt Ion: 91 Resp: 2403

Ion Ratio Lower Upper

91 100

92 44.7 26.4 79.0

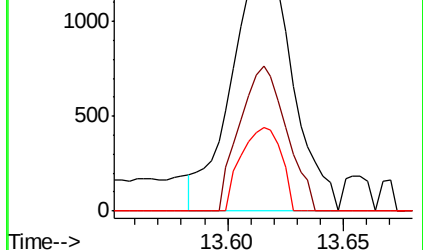
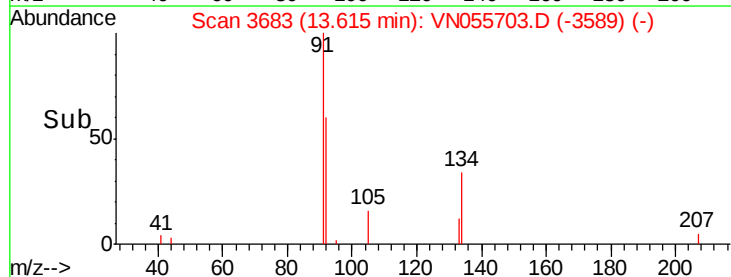
134 22.0 13.7 41.1

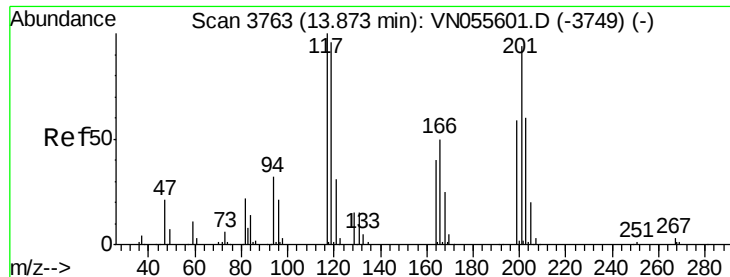


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

Instrument :

MSVOA_N

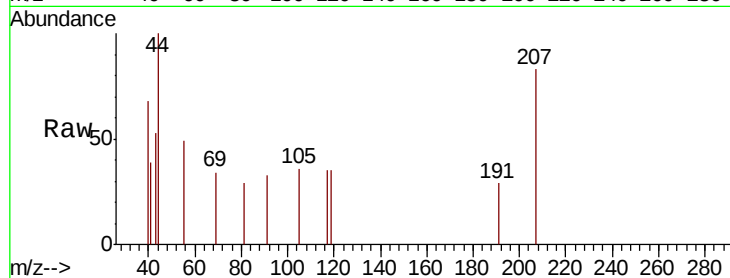
ClientSampled :

Tot Ion:117 Resp: 102

Ion Ratio Lower Upper

117 100

201 0.0 47.1 141.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.87

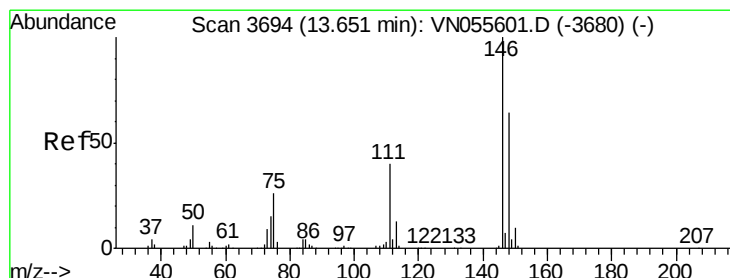
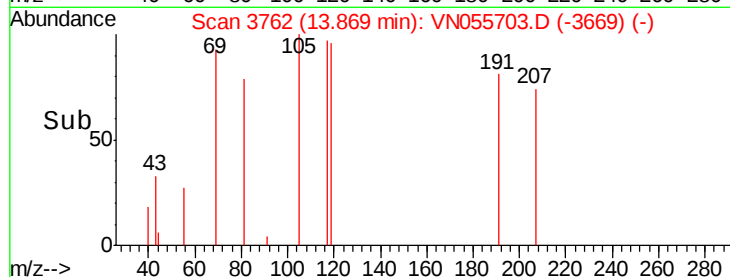
150

100

50

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.243 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

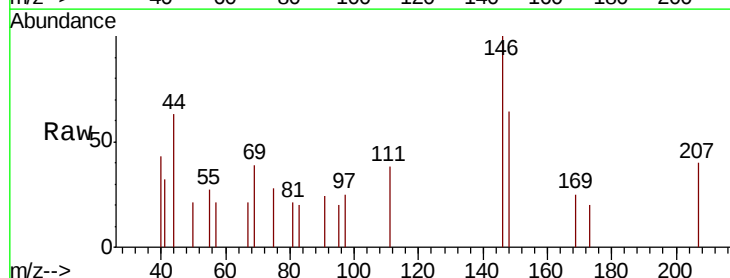
Tgt Ion:146 Resp: 1450

Ion Ratio Lower Upper

146 100

111 48.1 19.7 59.0

148 55.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.66

1000

800

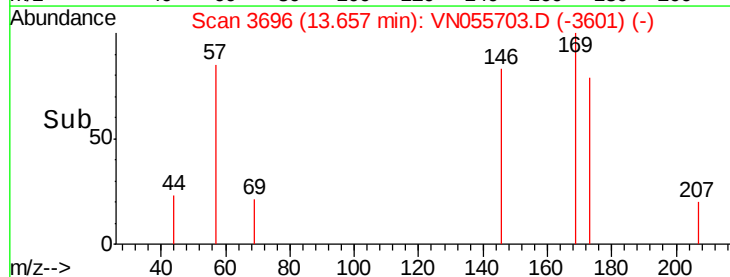
600

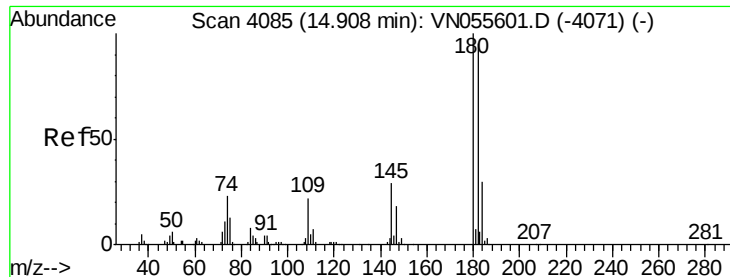
400

200

0

Time-->

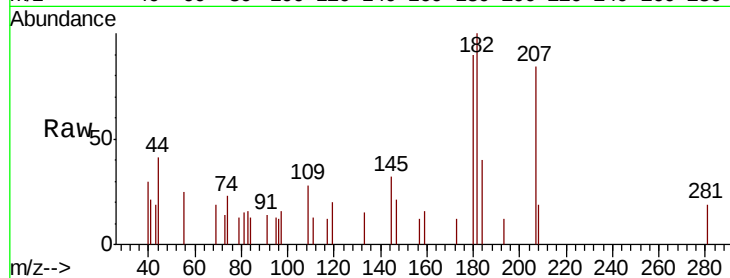




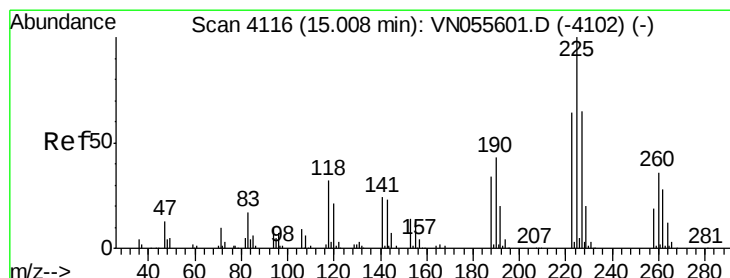
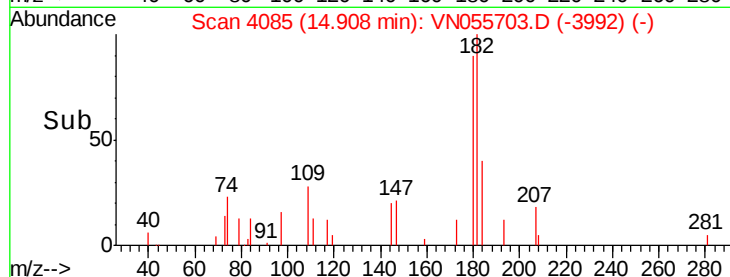
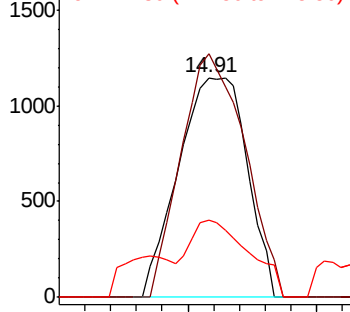
#93
 1,2,4-Trichlorobenzene
 Concen: 0.699 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055703.D
 Acq: 21 May 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 2124
 Ion Ratio Lower Upper
 180 100
 182 103.3 47.9 143.6
 145 30.9 14.3 42.9

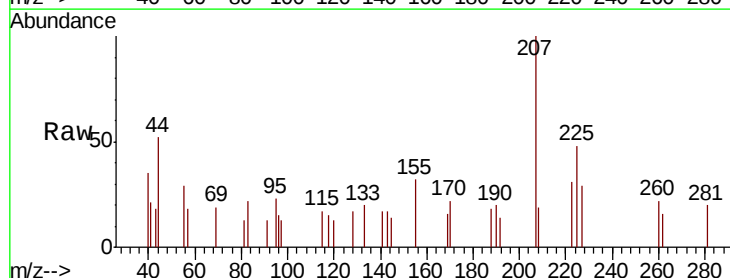


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

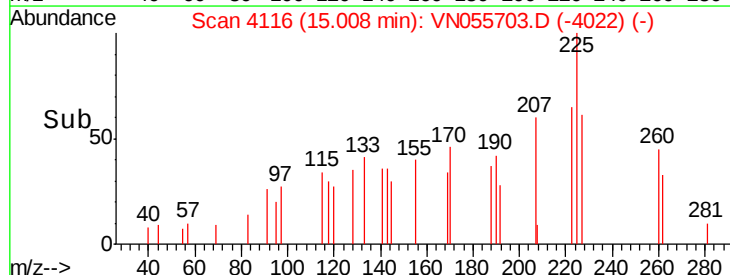
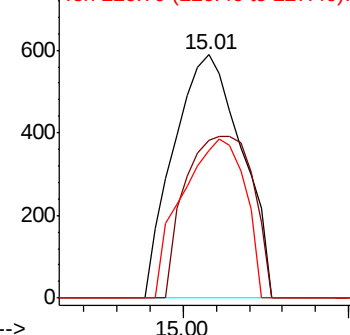


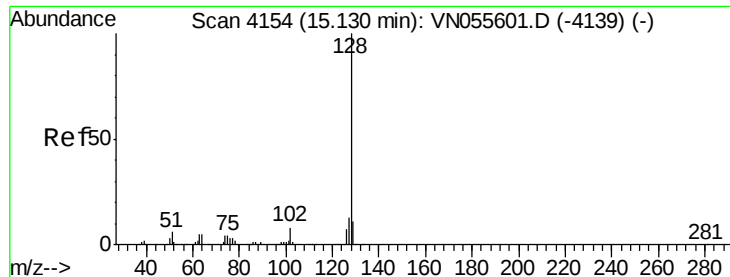
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055703.D
 Acq: 21 May 2019 12:42

Tgt Ion:225 Resp: 842
 Ion Ratio Lower Upper
 225 100
 223 66.4 31.6 94.7
 227 60.2 32.4 97.0



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: 2.585 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

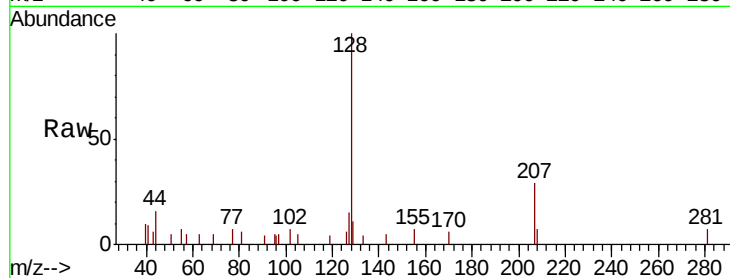
Tot Ion:128 Resp: 7802

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

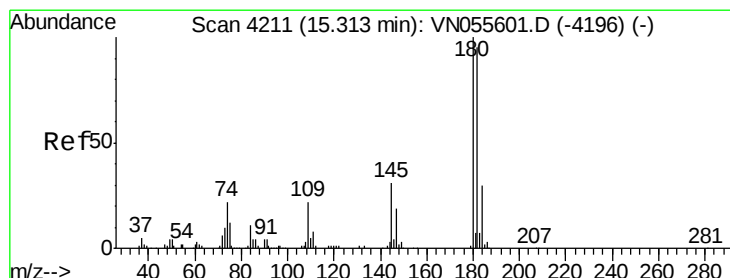
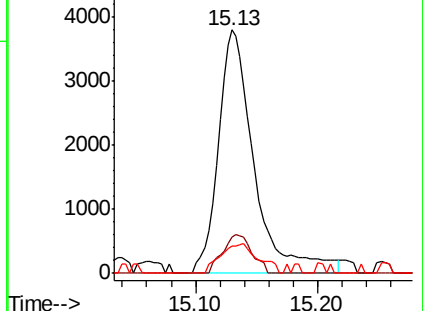
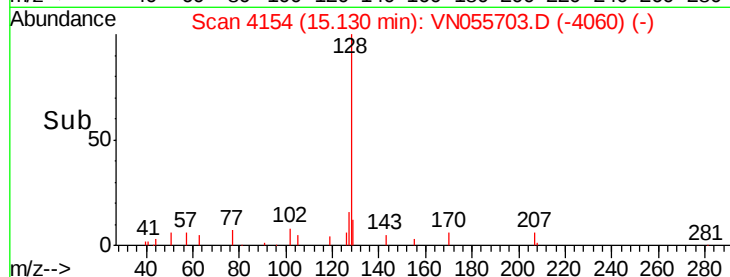
129 12.7 8.6 12.8



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: 0.906 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055703.D

Acq: 21 May 2019 12:42

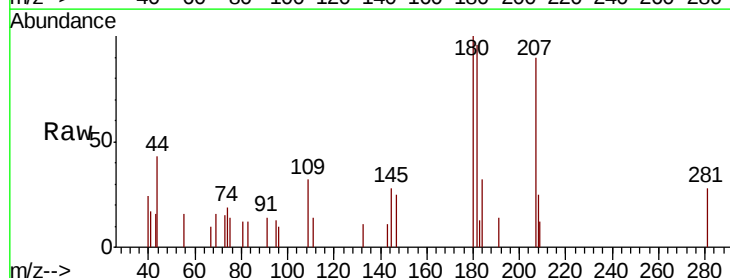
Tgt Ion:180 Resp: 2878

Ion Ratio Lower Upper

180 100

182 96.6 47.9 143.6

145 39.2 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

