

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055890.D
 Acq On : 30 May 2019 10:53
 Operator : JC/SP
 Sample : VN0530WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 17:13:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	352018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	532785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	480323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153843	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	180745	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
35) Dibromofluoromethane	7.59	113	157509	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
50) Toluene-d8	10.09	98	632286	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.40	95	198406	44.78	ug/l	0.00
Spiked Amount			Recovery	=	89.56%	

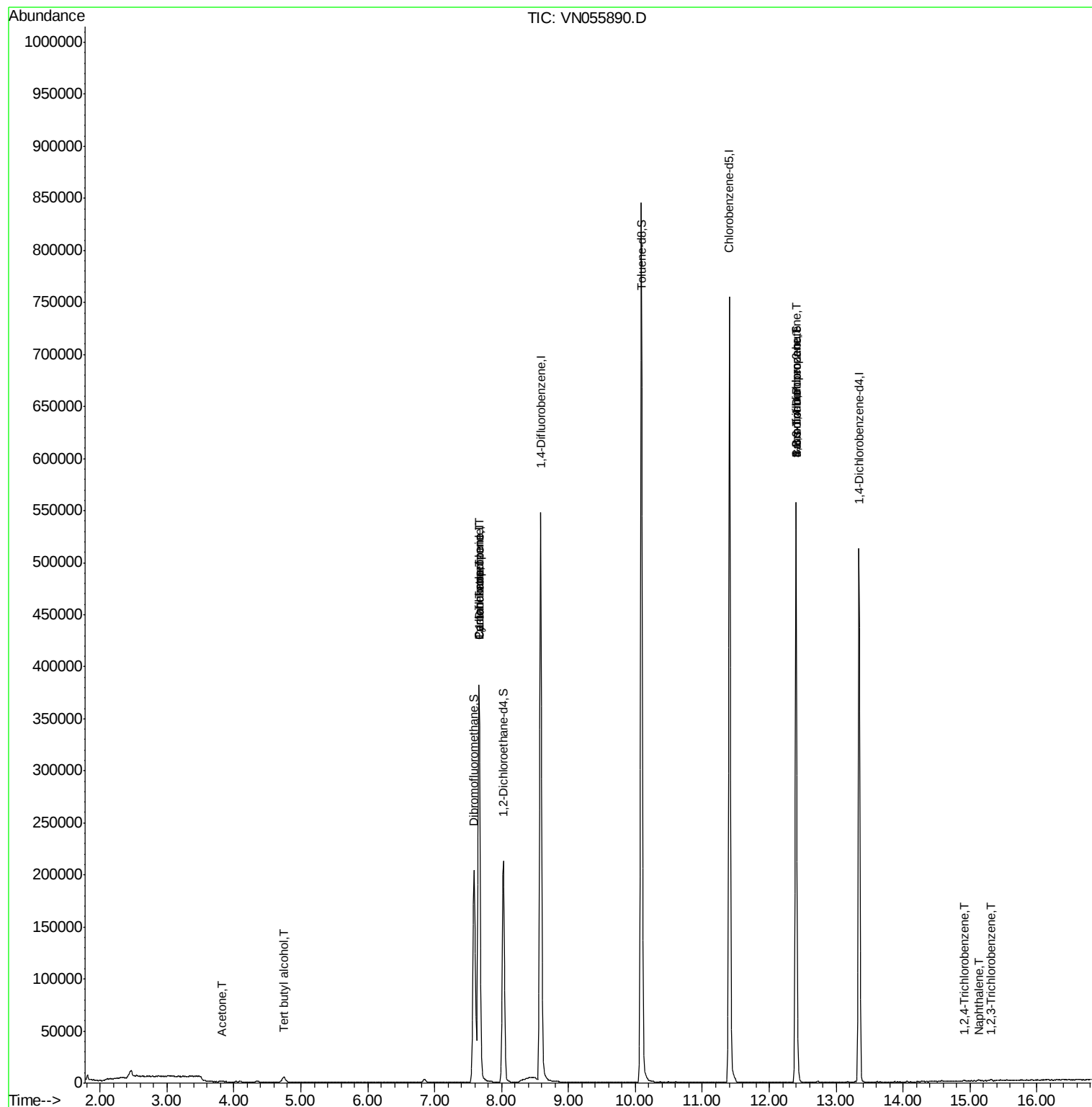
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	4820	6.939	ug/l #	74
16) Acetone	3.82	43	1163	0.728	ug/l	99
18) Methyl Acetate	4.33	43	1833	Below Cal	#	58
31) Cyclohexane	7.66	56	5563	1.020	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	21675	4.668	ug/l #	48
38) Carbon Tetrachloride	7.66	117	29658	6.132	ug/l #	15
71) Bromoform	12.40	173	1389	0.425	ug/l #	1
73) Isopropylbenzene	12.25	105	30	Below Cal	#	48
74) N-amyl acetate	12.07	43	174	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	93506	34.310	ug/l #	100
79) 2-Chlorotoluene	12.60	91	237	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	128	Below Cal	#	28
81) trans-1,4-Dichloro-2-buten	12.40	75	93506	81.779	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	279	Below Cal	#	30
85) sec-Butylbenzene	13.17	105	319	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.91	180	655	3.840	ug/l #	75
95) Naphthalene	15.14	128	1596	0.224	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	743	0.271	ug/l #	79

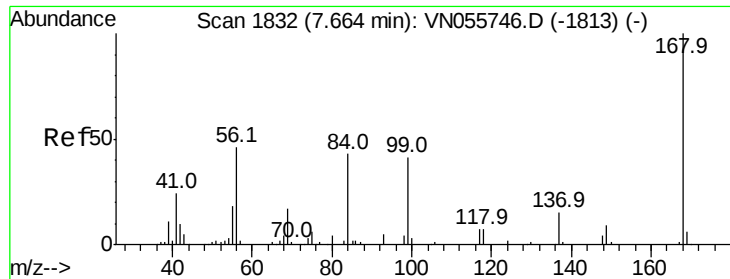
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0530WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 30 17:13:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055890.D

Acq: 30 May 2019 10:53

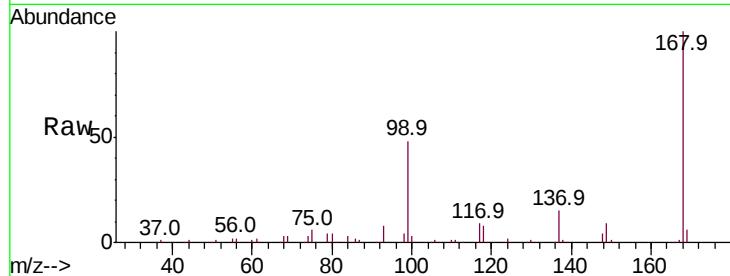
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 352018

Ion Ratio Lower Upper

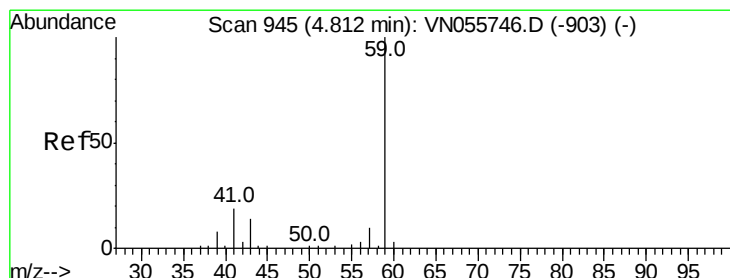
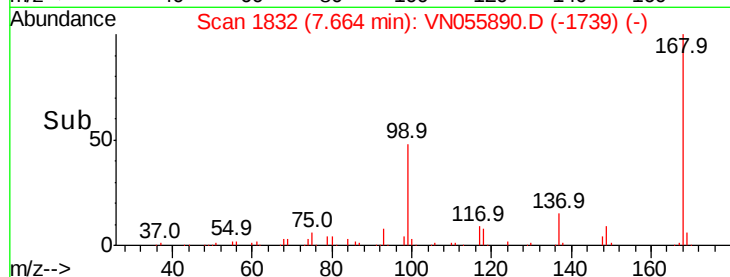
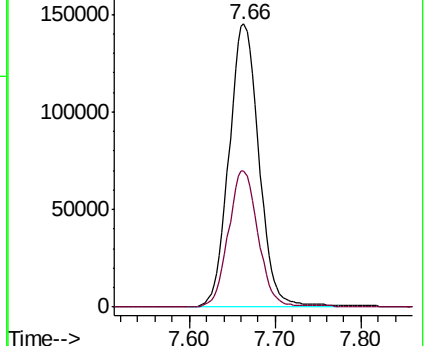
168 100

99 48.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 6.939 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.06 min

Lab File: VN055890.D

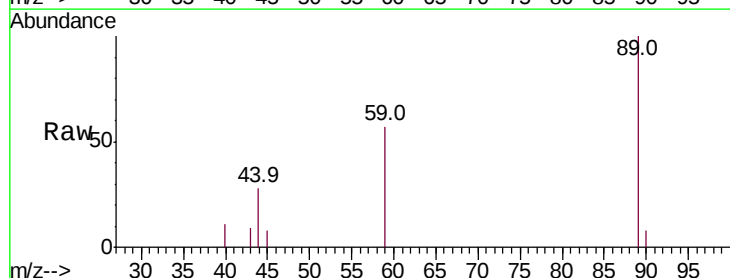
Acq: 30 May 2019 10:53

Tgt Ion: 59 Resp: 4820

Ion Ratio Lower Upper

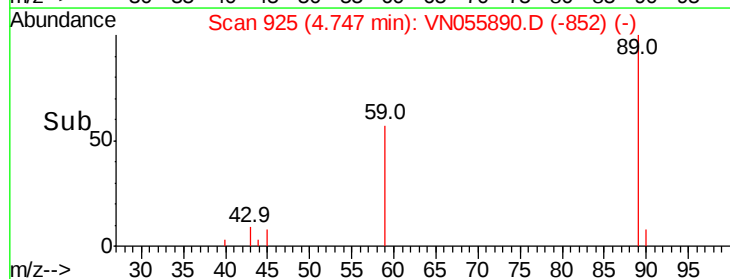
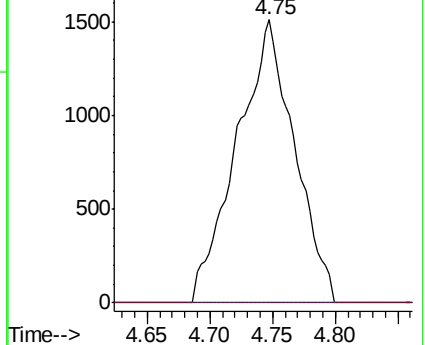
59 100

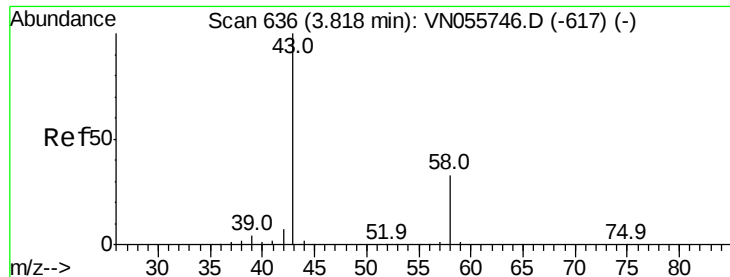
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 0.728 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055890.D

Acq: 30 May 2019 10:53

Instrument :

MSVOA_N

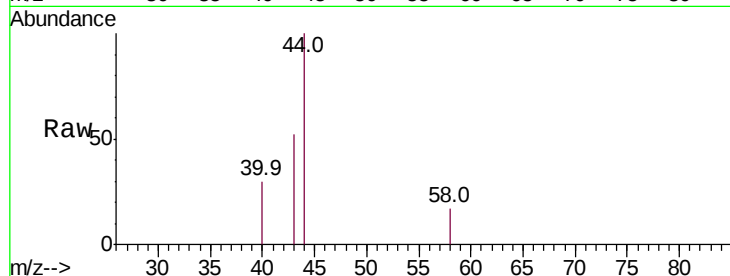
ClientSampleId :

Tot Ion: 43 Resp: 1163

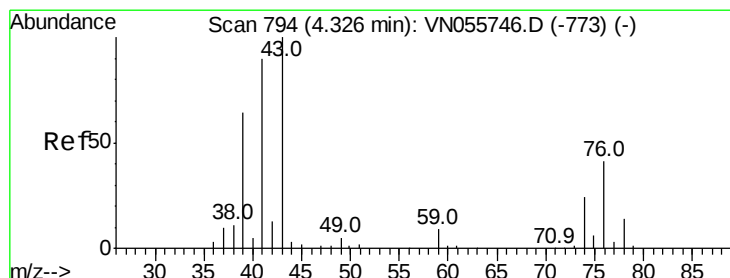
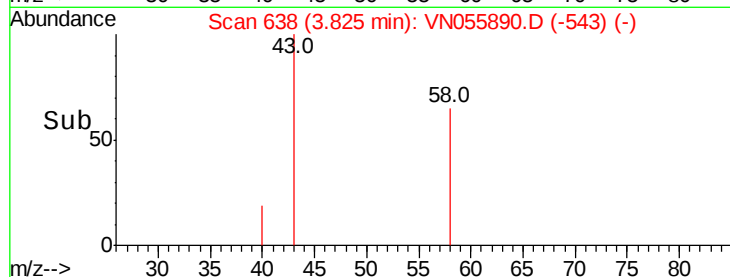
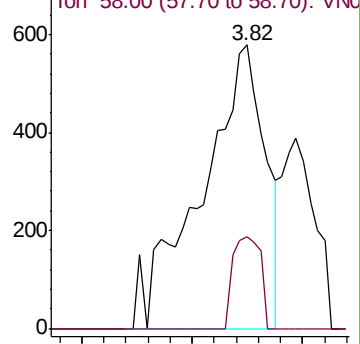
Ion Ratio Lower Upper

43 100

58 32.5 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055890.D

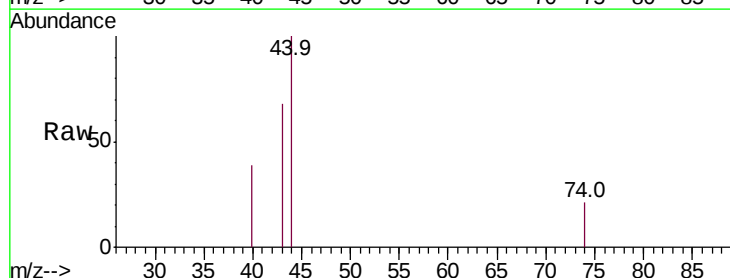
Acq: 30 May 2019 10:53

Tgt Ion: 43 Resp: 1833

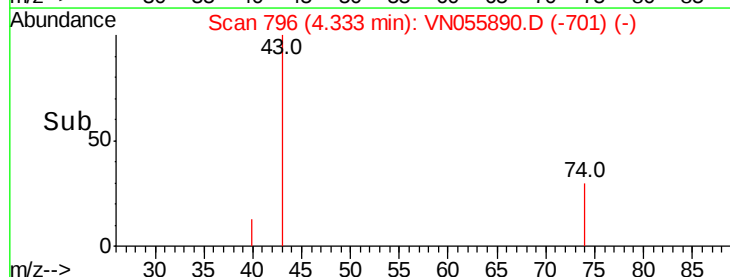
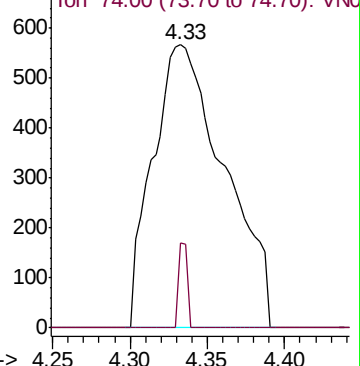
Ion Ratio Lower Upper

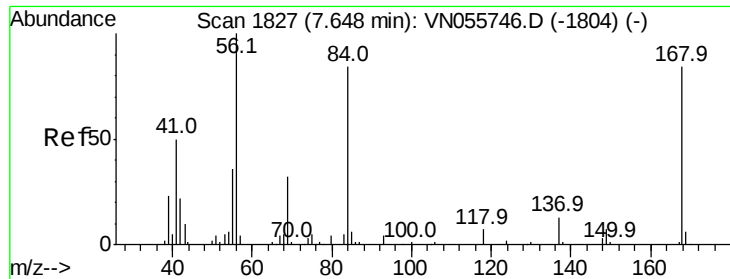
43 100

74 3.5 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

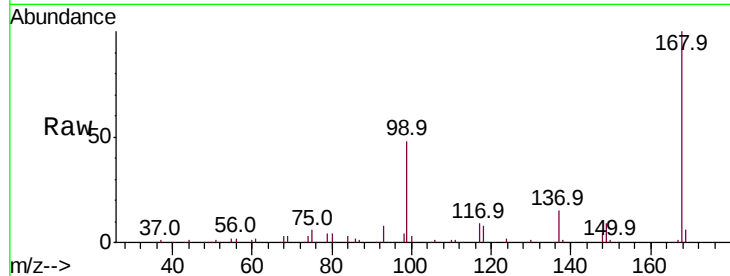




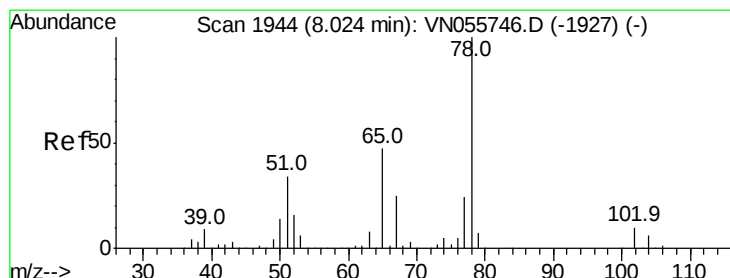
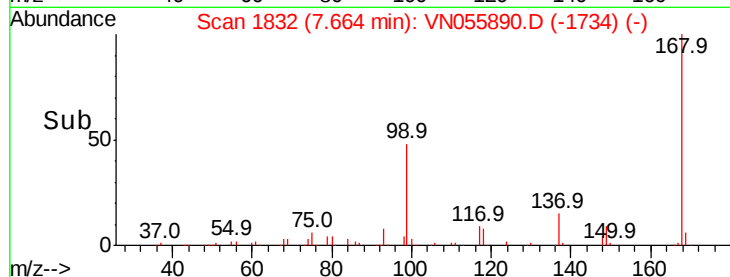
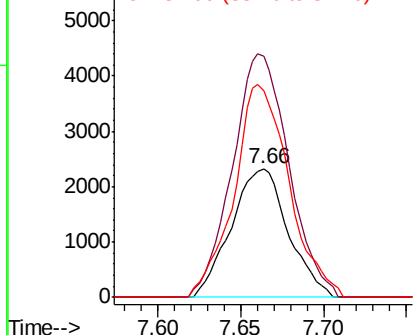
#31
Cyclohexane
Concen: 1.020 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN055890.D
Acq: 30 May 2019 10:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 5563
Ion Ratio Lower Upper
56 100
69 187.0 25.6 38.4#
84 160.2 67.4 101.0#

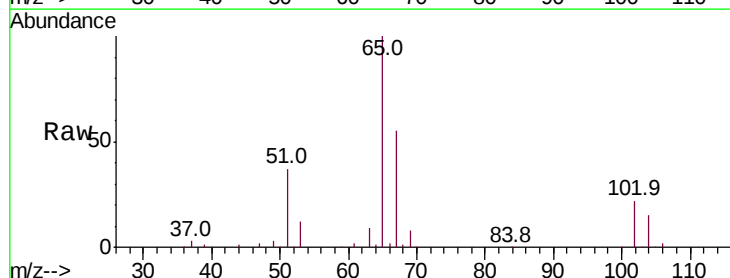


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

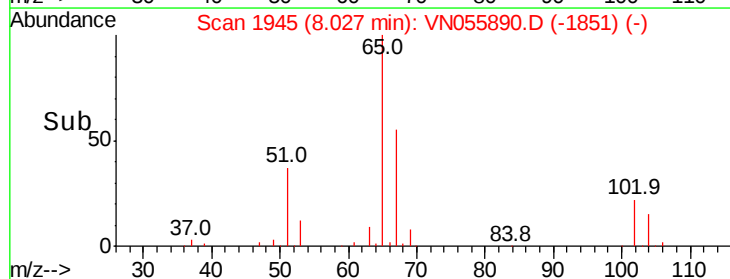
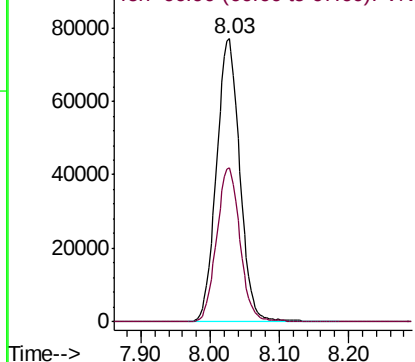


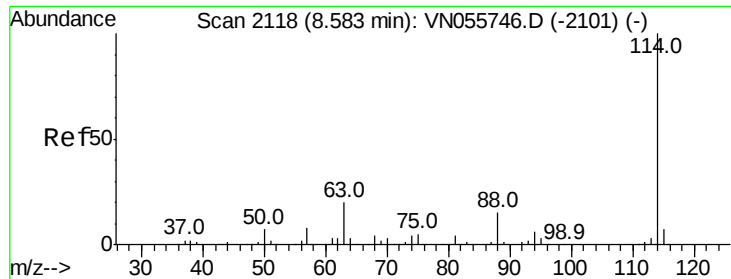
#33
1,2-Dichloroethane-d4
Concen: 49.719 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055890.D
Acq: 30 May 2019 10:53

Tgt Ion: 65 Resp: 180745
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.2



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

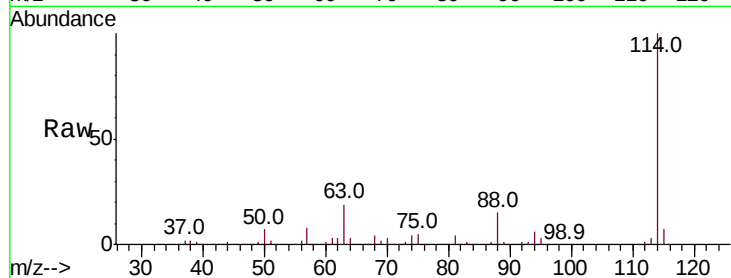




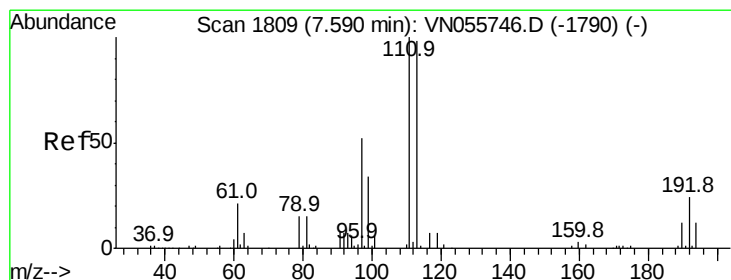
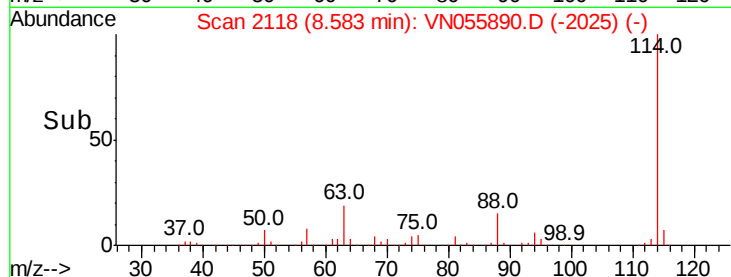
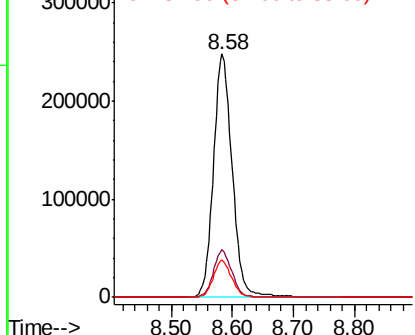
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055890.D
 Acq: 30 May 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 532785
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.2
 88 15.2 0.0 31.0

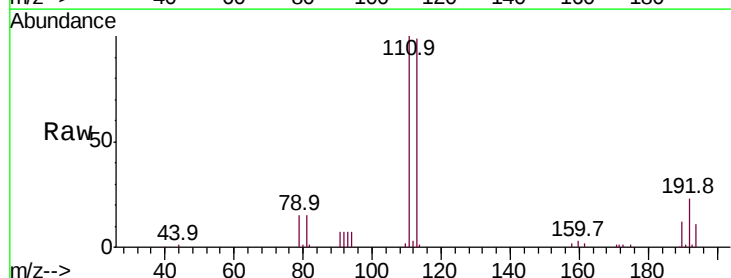


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

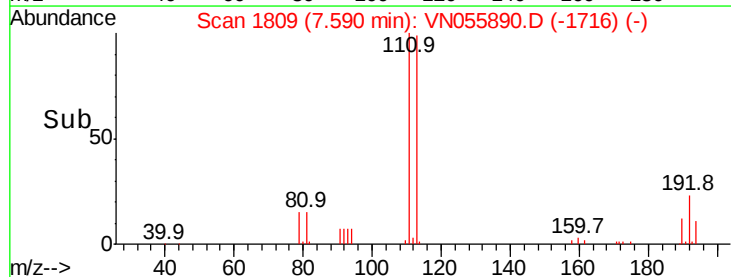
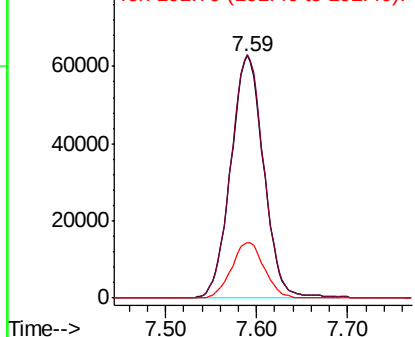


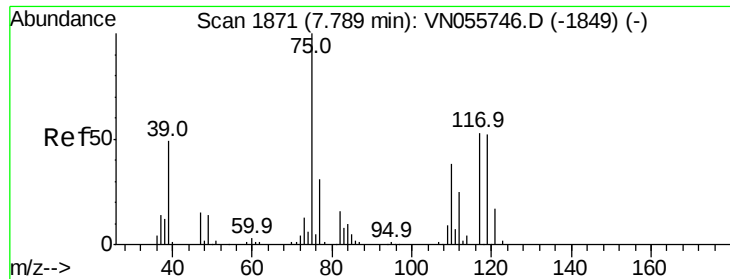
#35
 Dibromofluoromethane
 Concen: 46.760 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055890.D
 Acq: 30 May 2019 10:53

Tgt Ion:113 Resp: 157509
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.9 122.9
 192 22.8 19.5 29.3



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

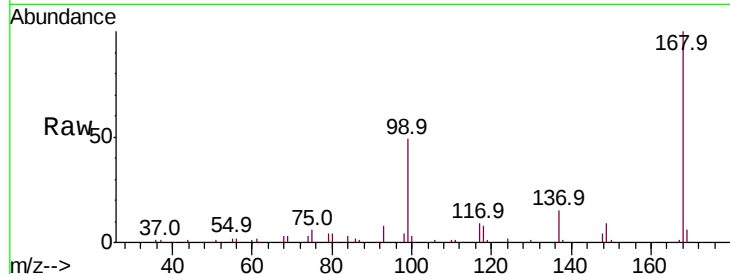




#36
 1,1-Dichloropropene
 Concen: 4.668 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN055890.D
 Acq: 30 May 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :

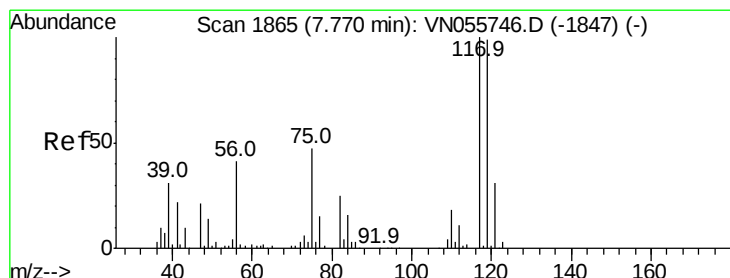
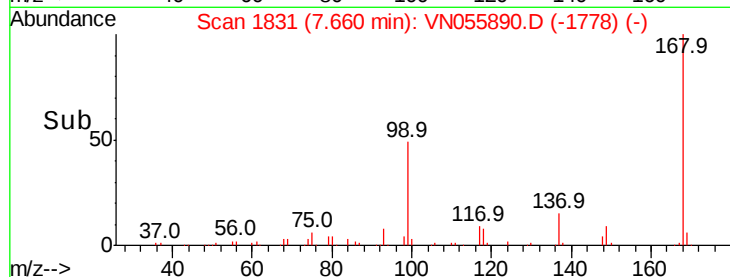
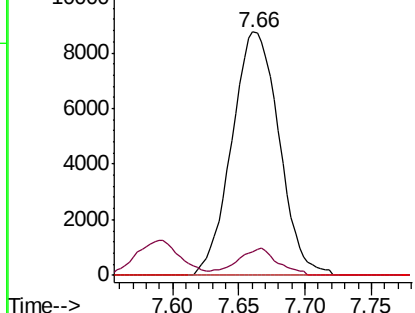
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.0	57.0#
77	0.0	25.1	37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN055890.D (-1778) (-)

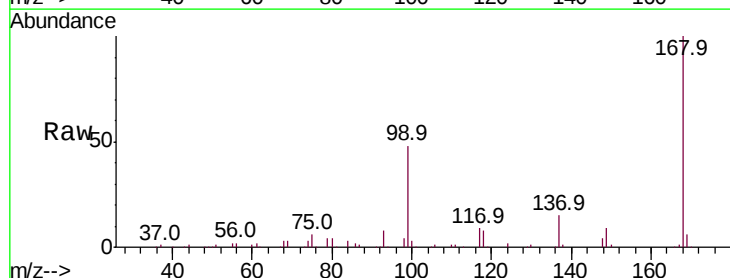
Ion 109.90 (109.60 to 110.60): VN055890.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN055890.D (-1778) (-)



#38
 Carbon Tetrachloride
 Concen: 6.132 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055890.D
 Acq: 30 May 2019 10:53

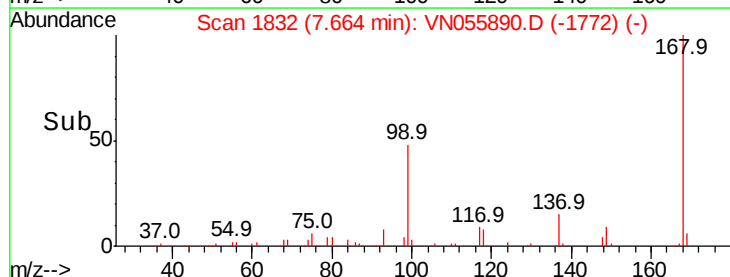
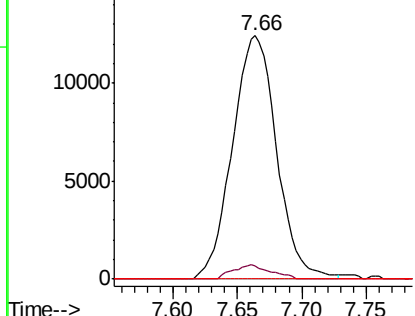
Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	79.0	118.6#
121	0.0	24.7	37.1#

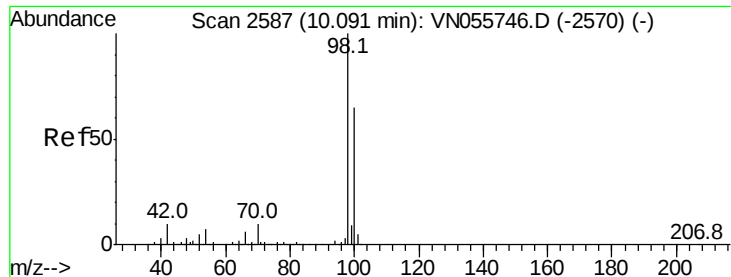


Abundance Ion 116.80 (116.50 to 117.50): VN055890.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN055890.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN055890.D (-1772) (-)





#50

Toluene-d8

Concen: 48.935 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055890.D

Acq: 30 May 2019 10:53

Instrument :

MSVOA_N

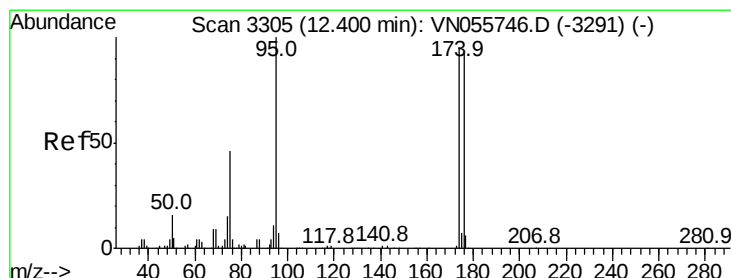
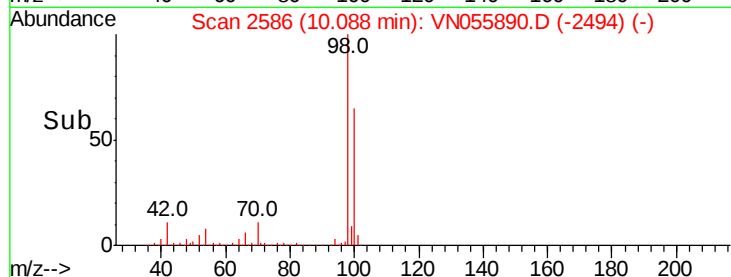
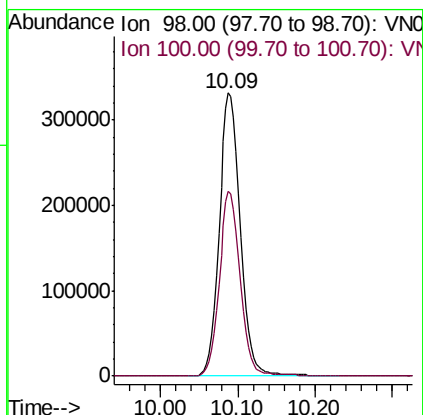
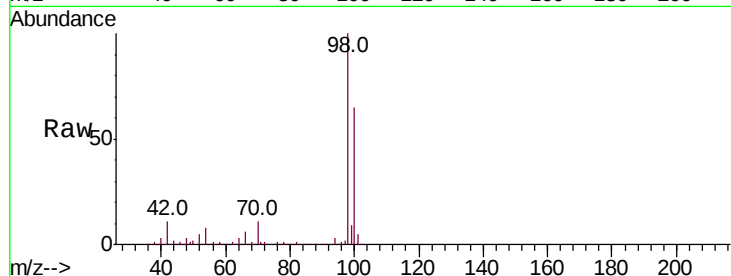
ClientSampleId :

Tot Ion: 98 Resp: 632286

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 44.782 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055890.D

Acq: 30 May 2019 10:53

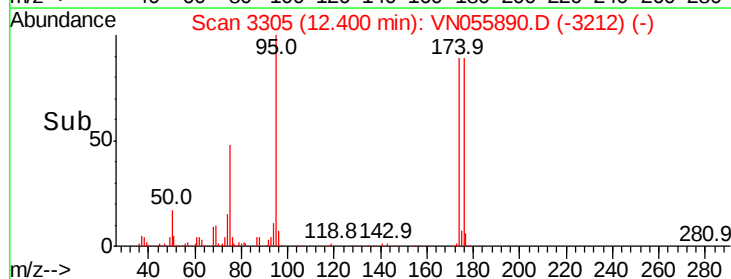
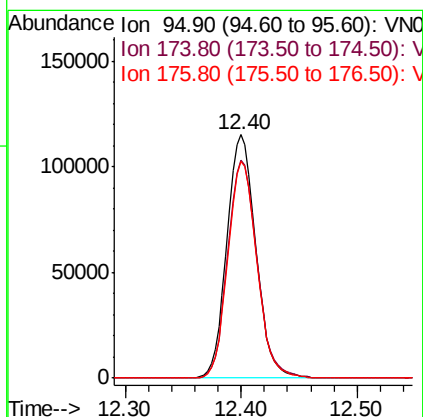
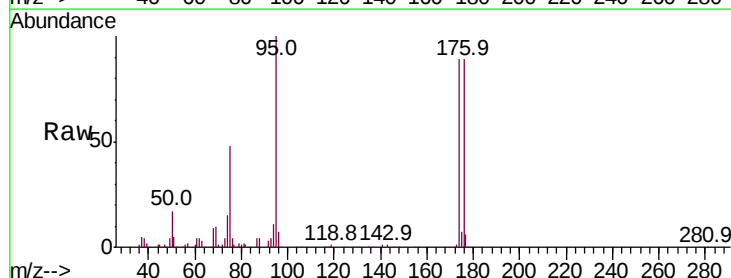
Tgt Ion: 95 Resp: 198406

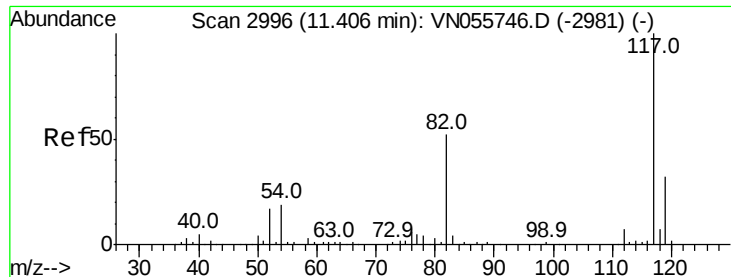
Ion Ratio Lower Upper

95 100

174 90.7 0.0 191.0

176 88.9 0.0 185.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055890.D

Acq: 30 May 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

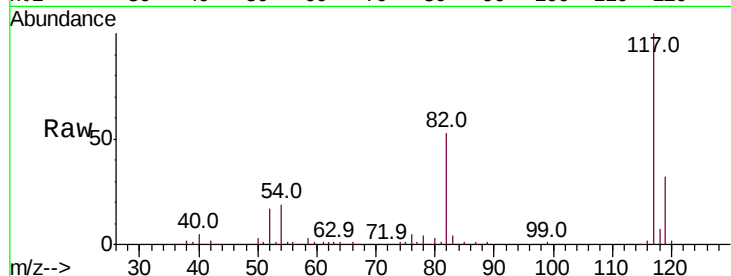
Tot Ion:117 Resp: 480323

Ion Ratio Lower Upper

117 100

82 53.3 41.8 62.8

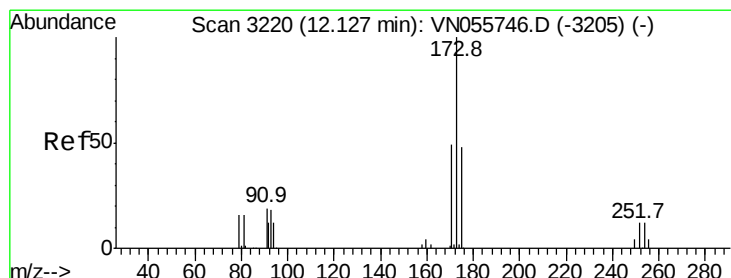
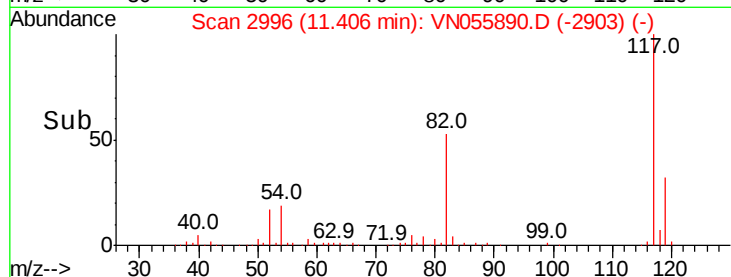
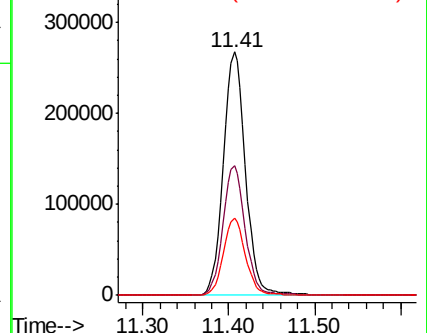
119 31.7 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.425 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055890.D

Acq: 30 May 2019 10:53

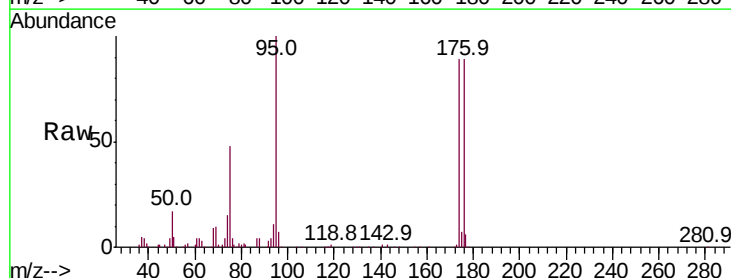
Tgt Ion:173 Resp: 1389

Ion Ratio Lower Upper

173 100

175 823.3 24.3 72.8#

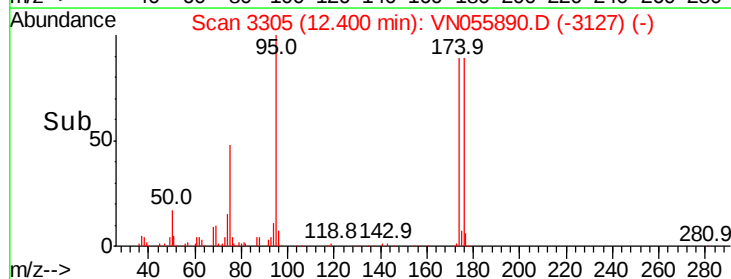
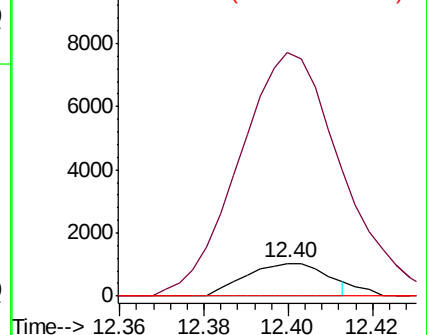
254 0.0 0.0 0.0

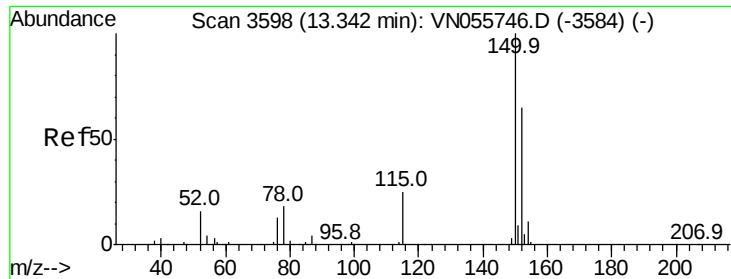


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



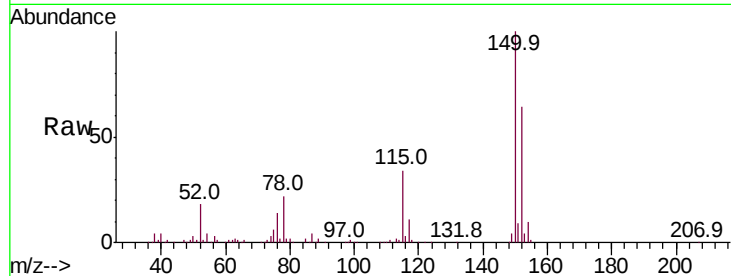


#72

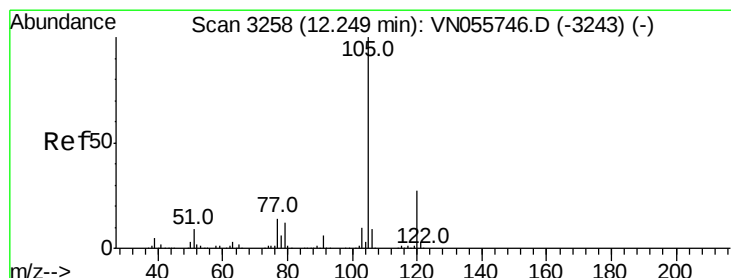
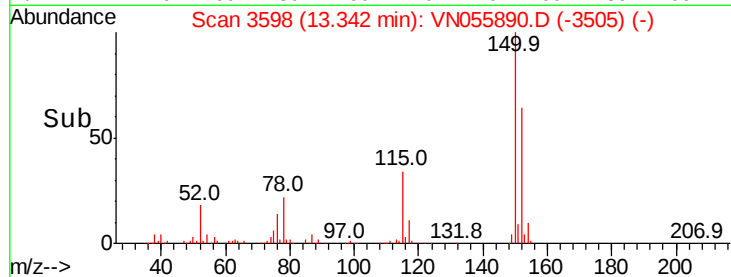
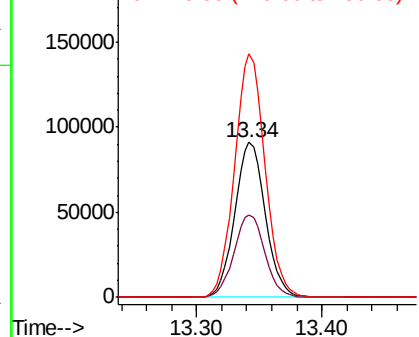
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055890.D
Acq: 30 May 2019 10:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 153843
Ion Ratio Lower Upper
152 100
115 53.7 27.0 81.0
150 156.3 0.0 343.2



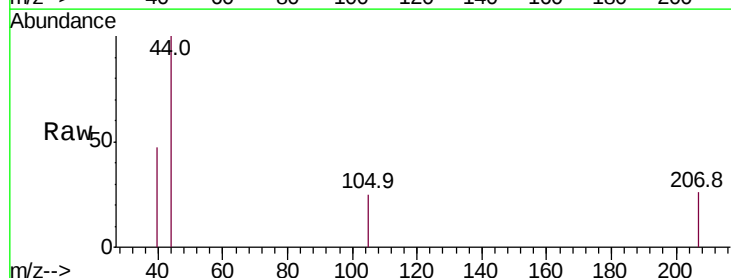
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



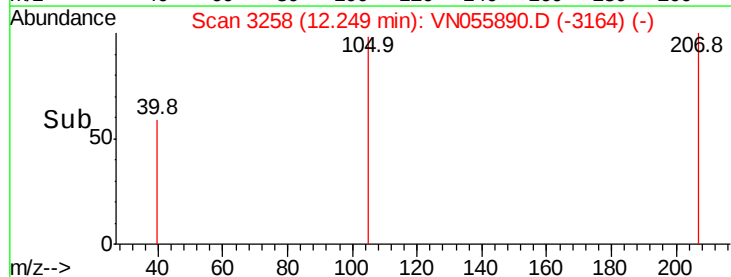
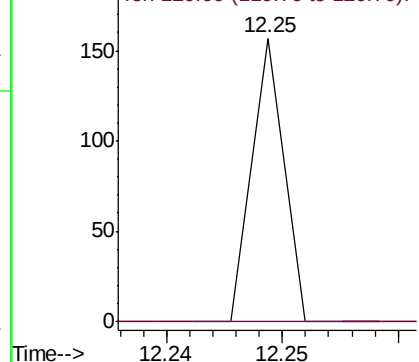
#73

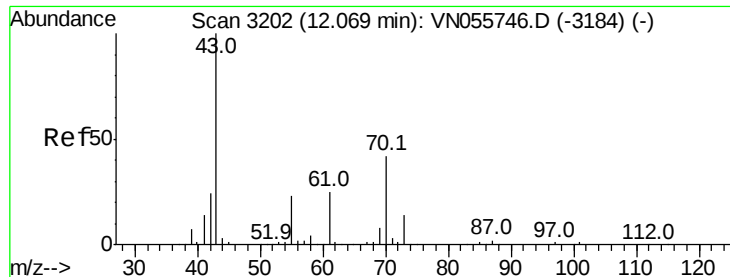
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055890.D
Acq: 30 May 2019 10:53

Tgt Ion:105 Resp: 30
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#



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





#74

N-amvl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055890.D

Acq: 30 May 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 174

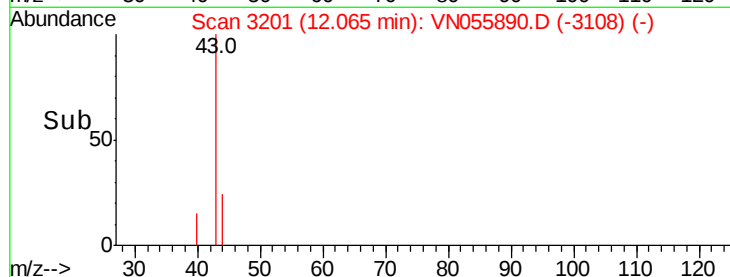
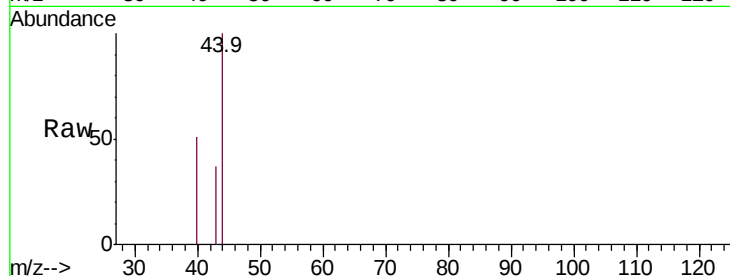
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

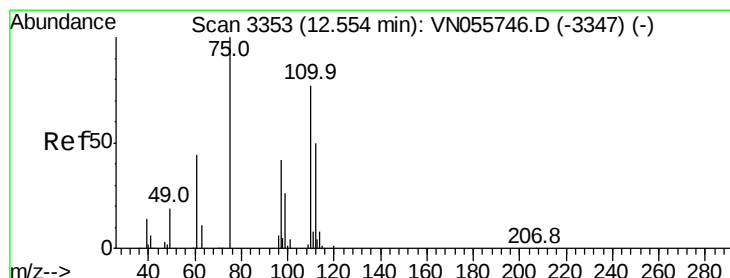
Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

12.07

12.06 12.08

Time-->



#76

1,2,3-Trichloropropane

Concen: 34.310 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055890.D

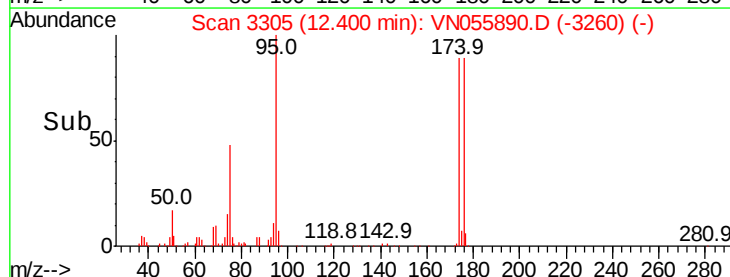
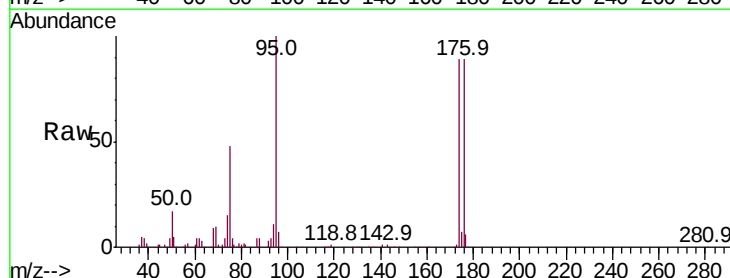
Acq: 30 May 2019 10:53

Tgt Ion: 75 Resp: 93506

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



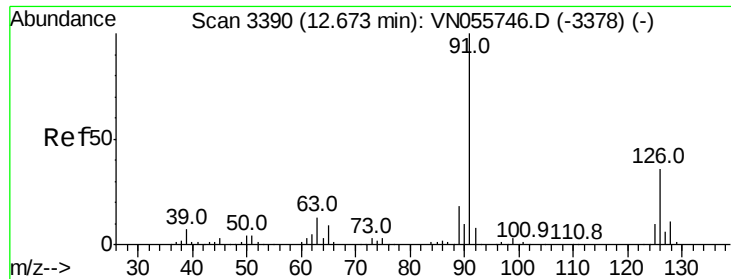
Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

12.40 12.50

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN055890.D

Acq: 30 May 2019 10:53

Instrument :

MSVOA_N

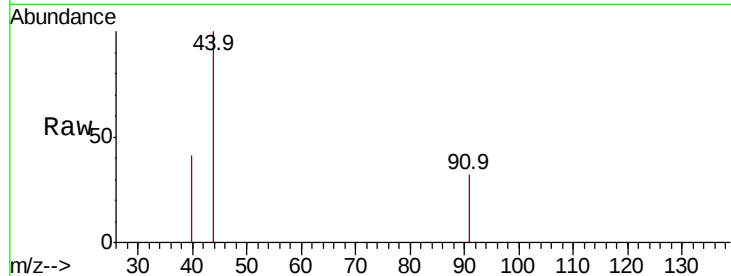
ClientSampled :

Tot Ion: 91 Resp: 237

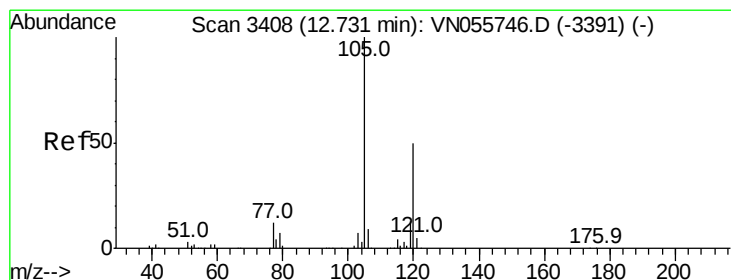
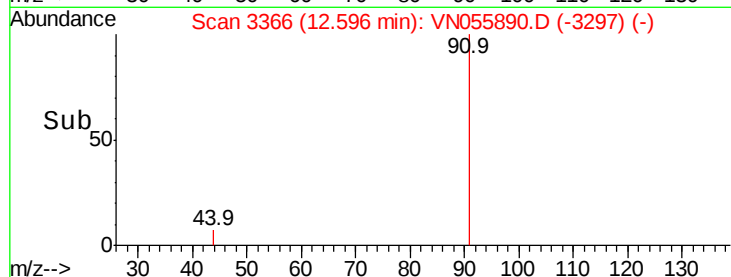
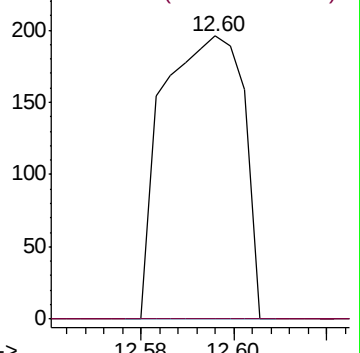
Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055890.D

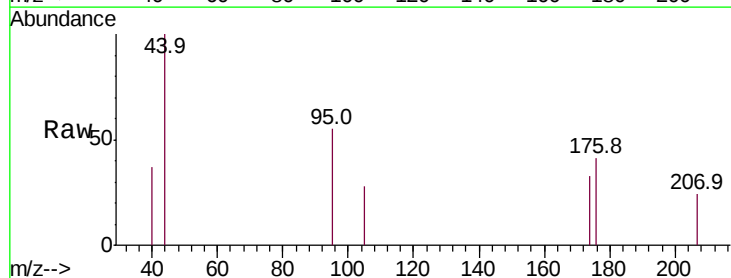
Acq: 30 May 2019 10:53

Tgt Ion: 105 Resp: 128

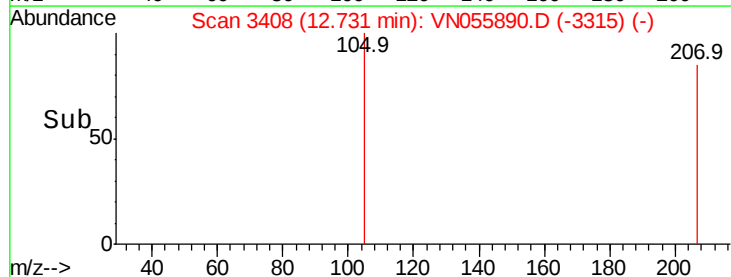
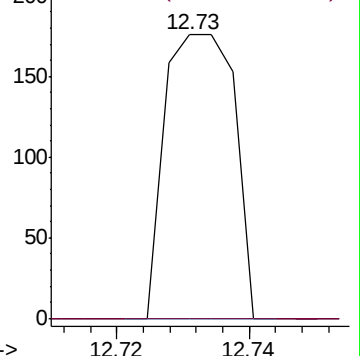
Ion Ratio Lower Upper

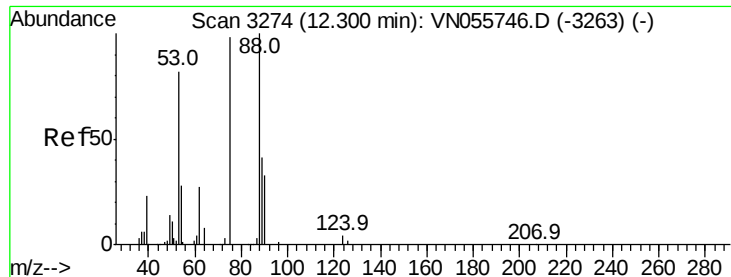
105 100

120 0.0 24.7 74.1#



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 81.779 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055890.D

Acq: 30 May 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

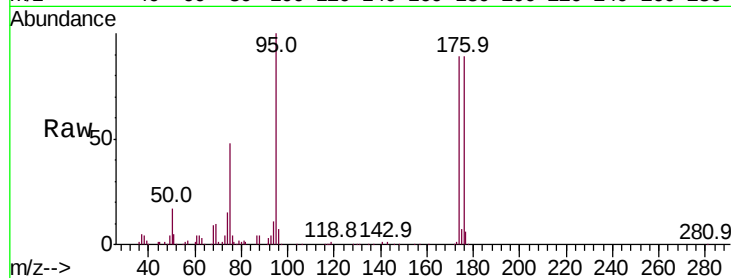
Tot Ion: 75 Resp: 93506

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

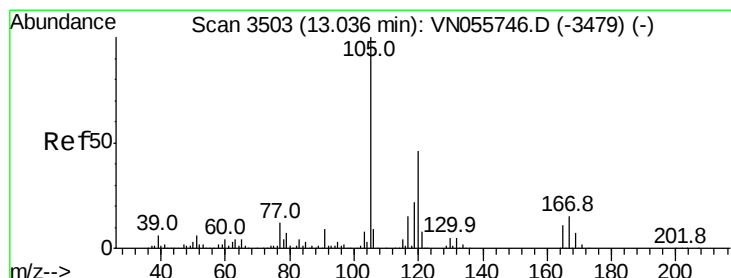
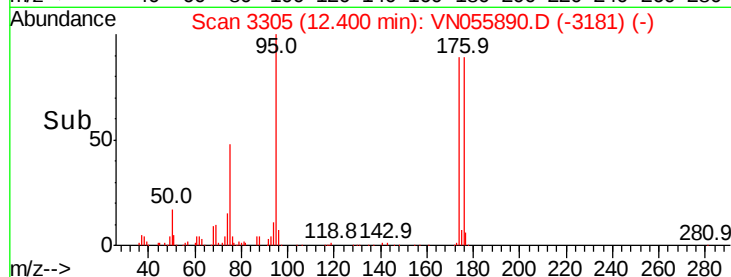
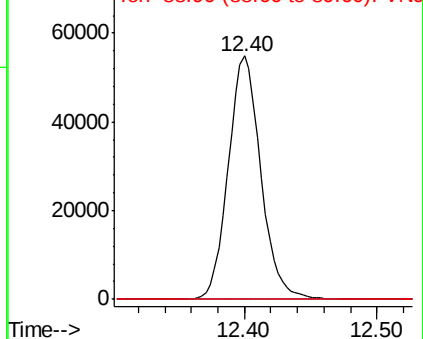
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 13.04 min Scan# 3505

Delta R.T. 0.01 min

Lab File: VN055890.D

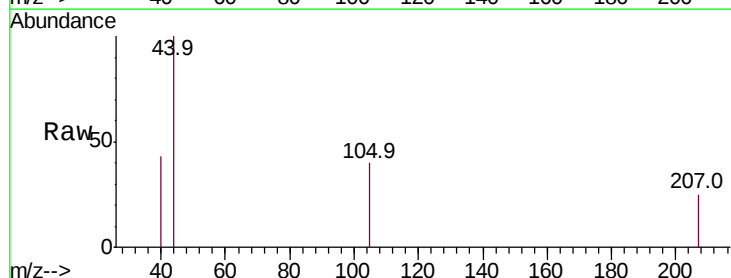
Acq: 30 May 2019 10:53

Tgt Ion: 105 Resp: 279

Ion Ratio Lower Upper

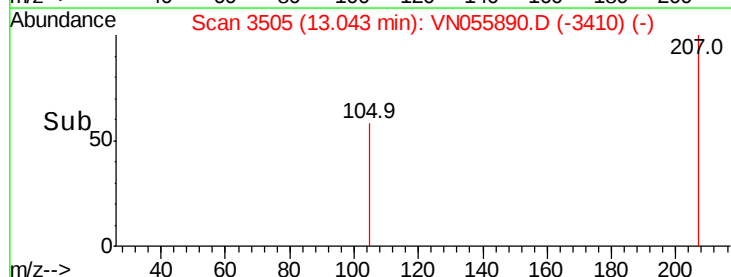
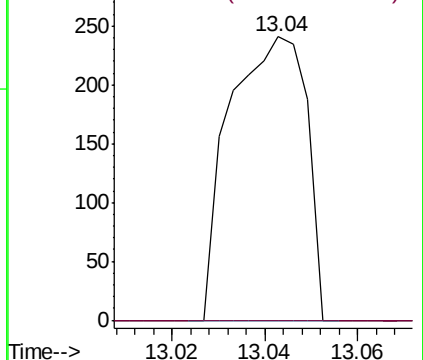
105 100

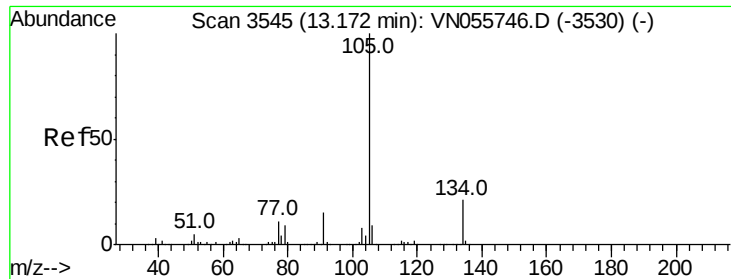
120 0.0 23.0 69.0#



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# 3544

Delta R.T. -0.00 min

Lab File: VN055890.D

Acq: 30 May 2019 10:53

Instrument :

MSVOA_N

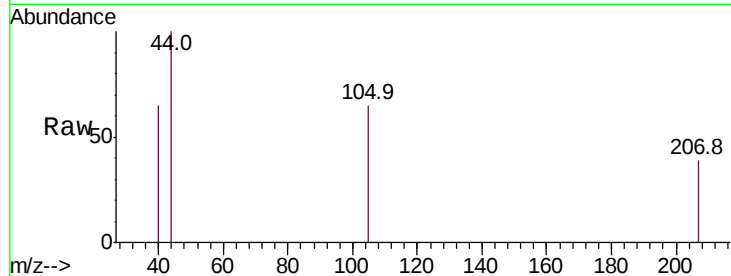
ClientSampleId :

Tot Ion:105 Resp: 319

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

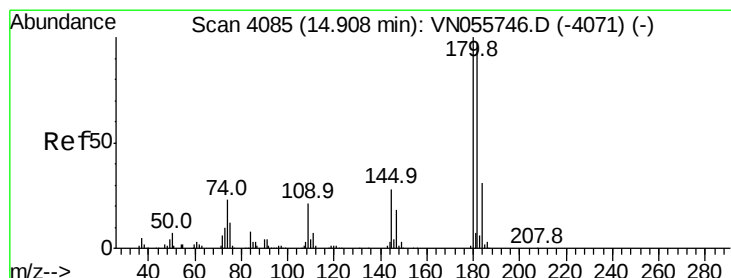
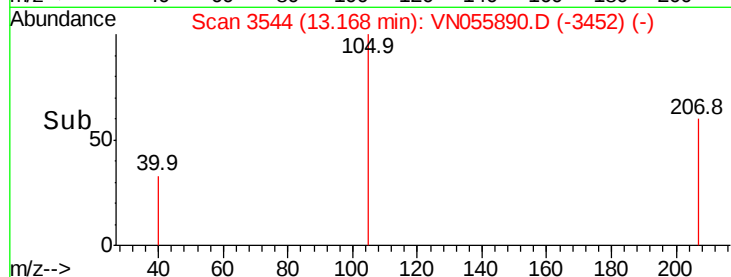
300

200

100

0

Time--> 13.14 13.16 13.18



#93

1,2,4-Trichlorobenzene

Concen: 3.840 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN055890.D

Acq: 30 May 2019 10:53

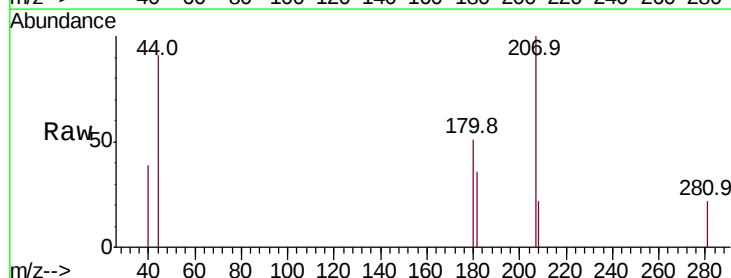
Tgt Ion:180 Resp: 655

Ion Ratio Lower Upper

180 100

182 79.8 48.3 144.9

145 0.0 14.0 41.9#



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

14.91

600

500

400

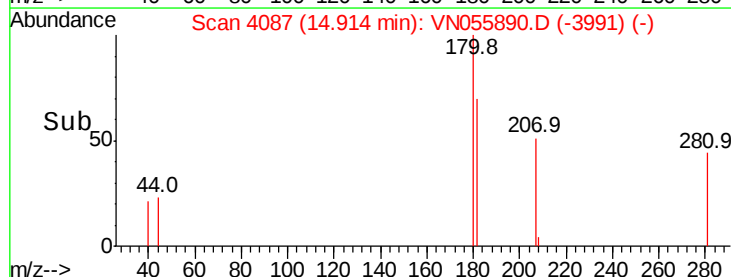
300

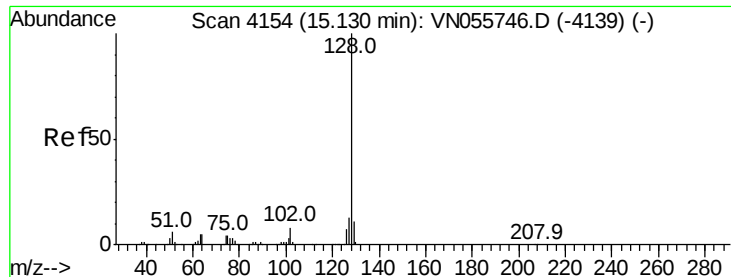
200

100

0

Time--> 14.90





#95

Naphthalene

Concen: 0.224 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055890.D

Acq: 30 May 2019 10:53

Instrument :

MSVOA_N

ClientSampled :

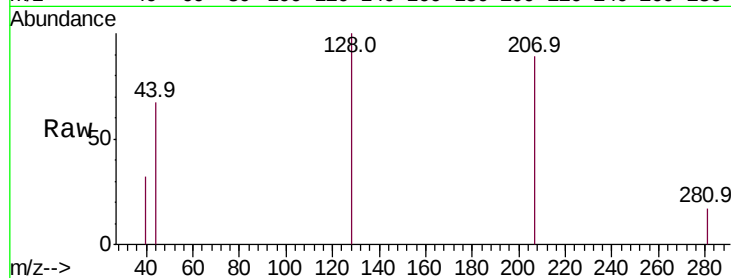
Tot Ion:128 Resp: 1596

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

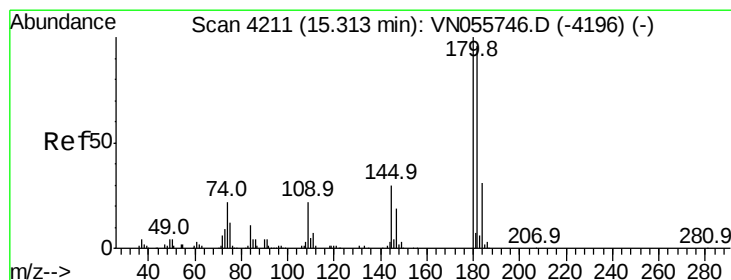
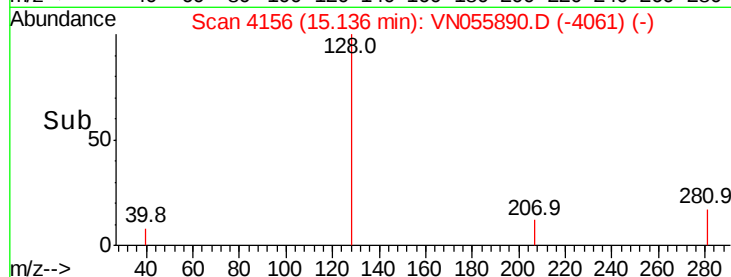
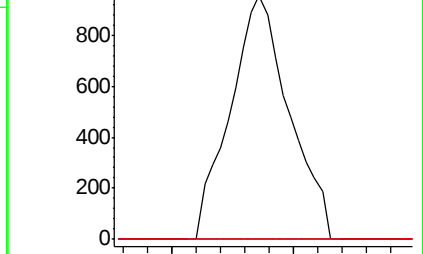
129 0.0 8.7 13.1#



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: 0.271 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055890.D

Acq: 30 May 2019 10:53

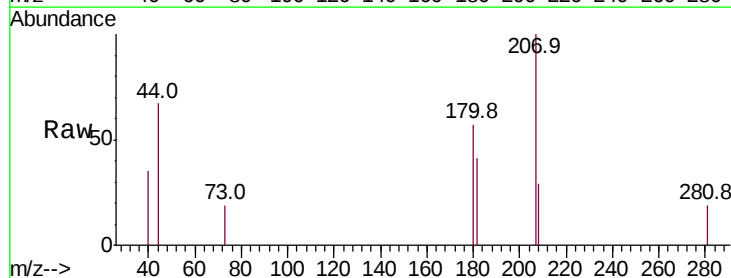
Tgt Ion:180 Resp: 743

Ion Ratio Lower Upper

180 100

182 81.6 47.9 143.7

145 7.9 14.9 44.7#



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

