

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055622.D
 Acq On : 17 May 2019 19:55
 Operator : JC/SP
 Sample : K2902-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 03:11:56 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	407634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	573800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	183266	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	191361	42.82	ug/l	0.00
Spiked Amount			Recovery	=	85.64%	
35) Dibromofluoromethane	7.59	113	175780	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	10.09	98	667940	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.40	95	206621	43.41	ug/l	0.00
Spiked Amount			Recovery	=	86.82%	

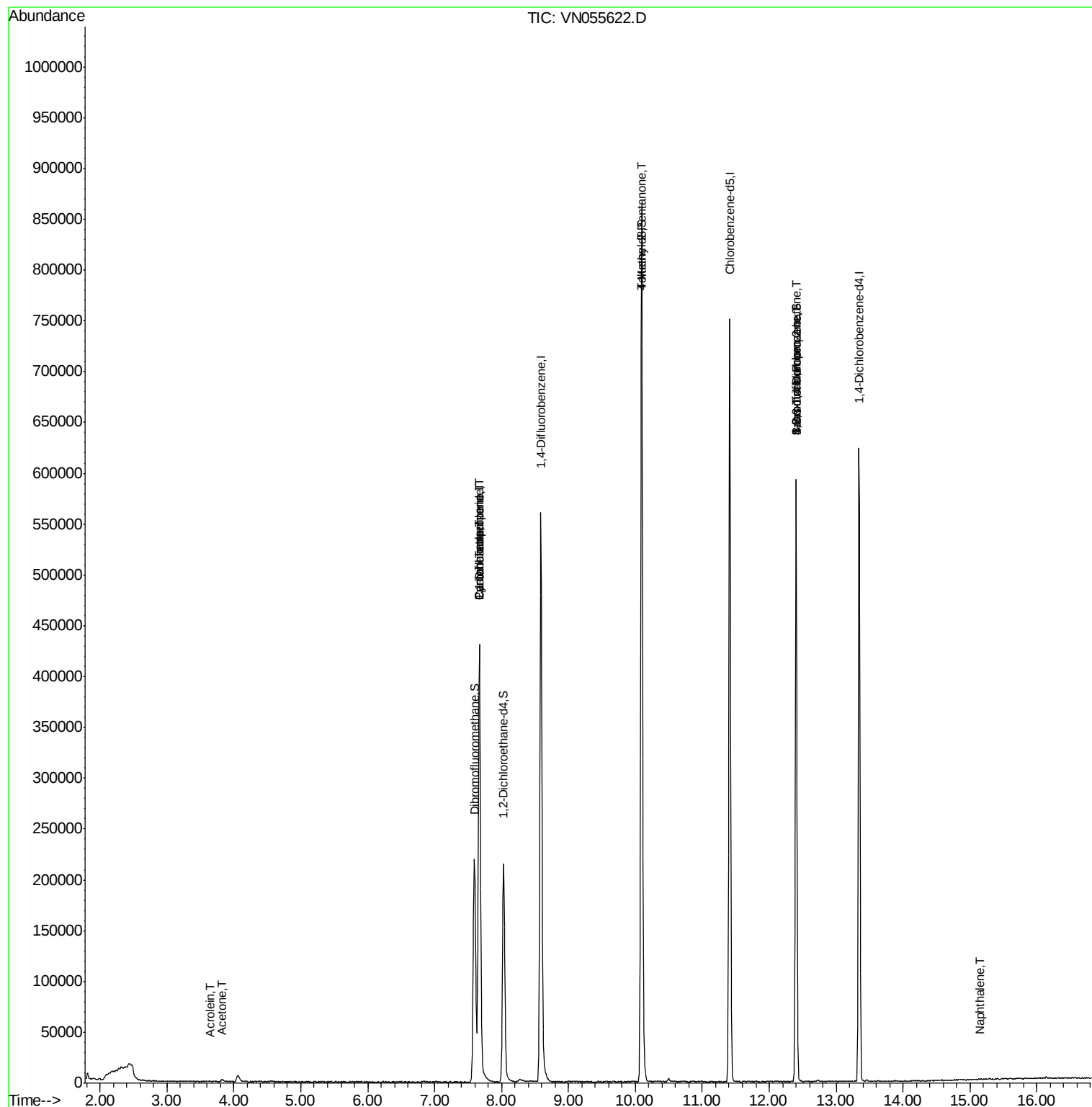
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.64	56	124	1.652	ug/l #	14
16) Acetone	3.83	43	3323	1.822	ug/l	98
31) Cyclohexane	7.67	56	6433	0.971	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	24415	4.773	ug/l #	49
38) Carbon Tetrachloride	7.67	117	33871	6.196	ug/l #	16
51) 4-Methyl-2-Pentanone	10.09	43	2312	0.491	ug/l #	1
71) Bromoform	12.40	173	1177	0.356	ug/l #	1
73) Isopropylbenzene	12.25	105	134	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	96364	25.769	ug/l #	100
79) 2-Chlorotoluene	12.68	91	107	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	231	Below Cal	#	28
81) trans-1,4-Dichloro-2-buten	12.40	75	96364	66.241	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.04	105	216	Below Cal	#	30
85) sec-Butylbenzene	13.17	105	378	Below Cal	#	56
86) p-Isopropyltoluene	13.29	119	269	Below Cal	#	51
95) Naphthalene	15.14	128	324	1.797	ug/l #	69

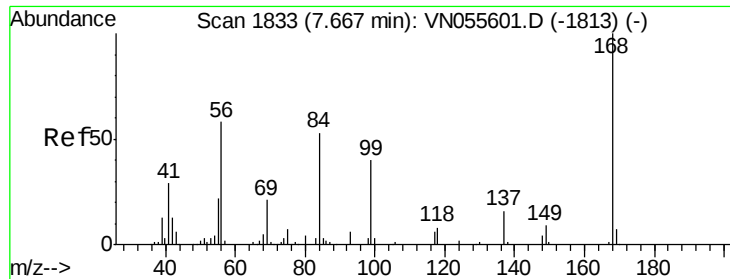
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 17 23:54:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055622.D

Acq: 17 May 2019 19:55

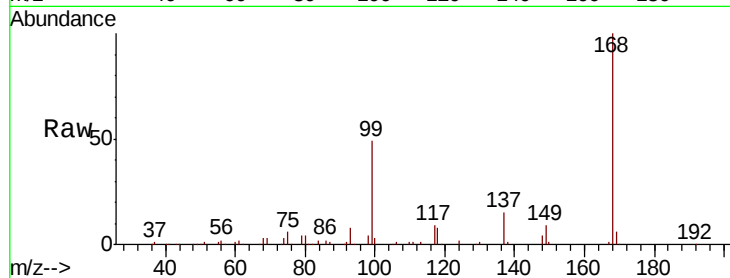
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 407634

Ion Ratio Lower Upper

168 100

99 48.6 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

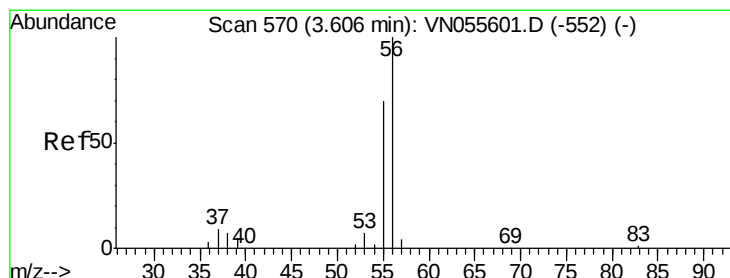
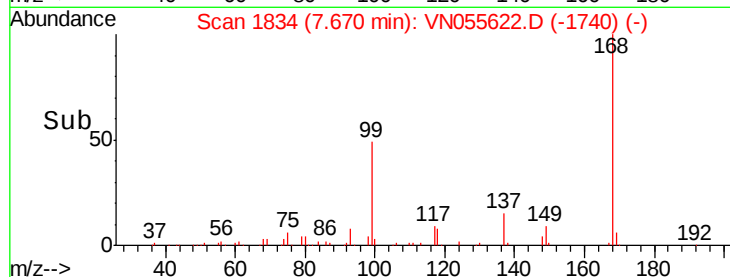
50000

0

Time-->

7.60

7.80



#13

Acrolein

Concen: 1.652 ug/l

RT: 3.64 min Scan# 582

Delta R.T. 0.04 min

Lab File: VN055622.D

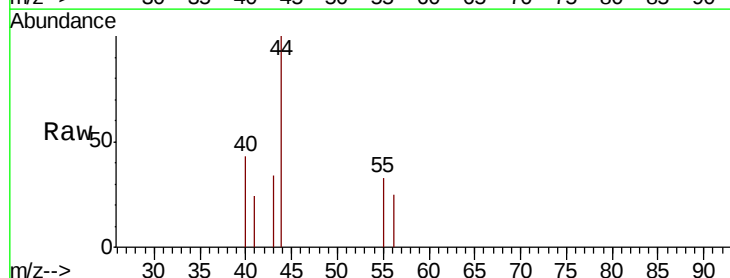
Acq: 17 May 2019 19:55

Tgt Ion: 56 Resp: 124

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

300

250

200

150

100

50

0

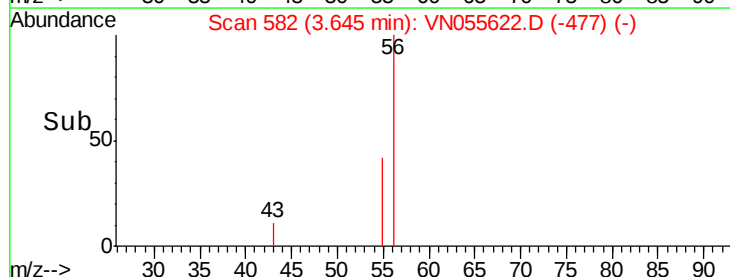
Time-->

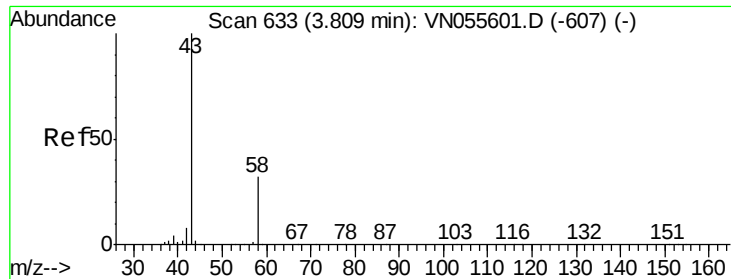
3.63

3.64

3.65

3.66





#16

Acetone

Concen: 1.822 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.02 min

Lab File: VN055622.D

Acq: 17 May 2019 19:55

Instrument :

MSVOA_N

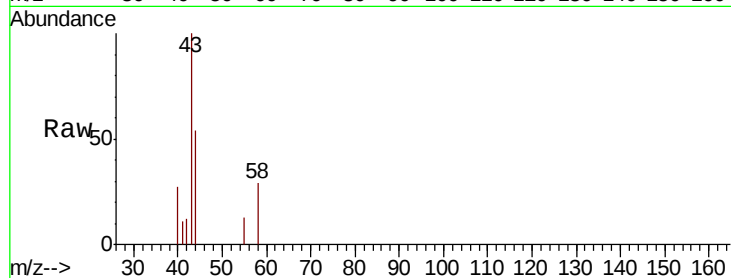
ClientSampled :

Tot Ion: 43 Resp: 3323

Ion Ratio Lower Upper

43 100

58 33.9 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

1500

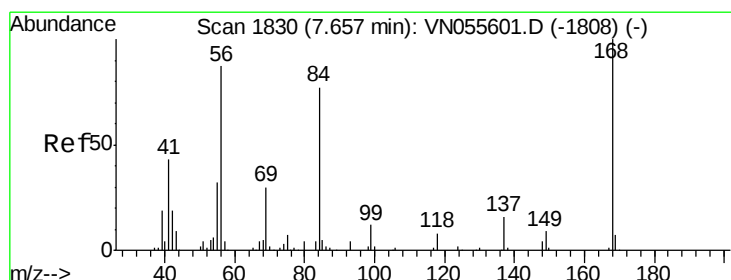
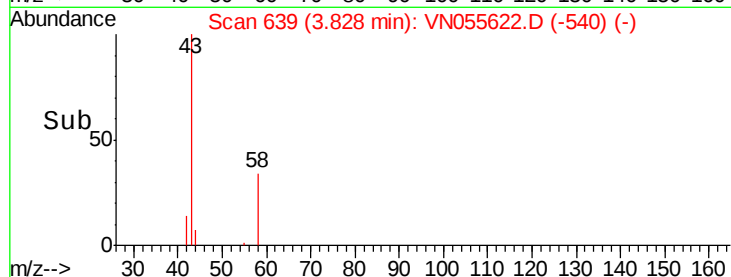
1000

500

0

Time-->

3.75 3.80 3.85 3.90



#31

Cyclohexane

Concen: 0.971 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN055622.D

Acq: 17 May 2019 19:55

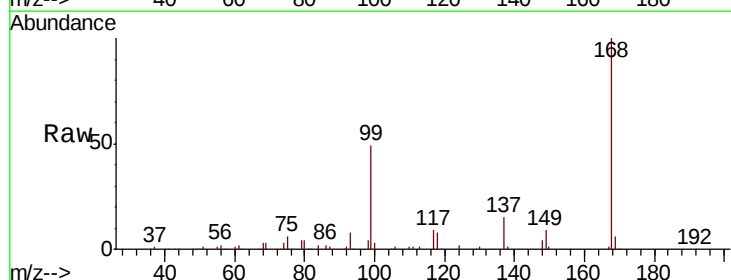
Tgt Ion: 56 Resp: 6433

Ion Ratio Lower Upper

56 100

69 180.1 27.2 40.8#

84 145.7 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

6000

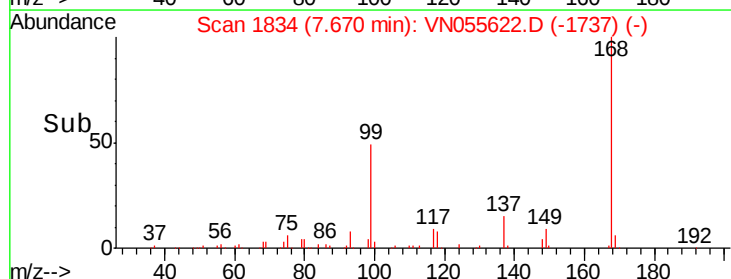
4000

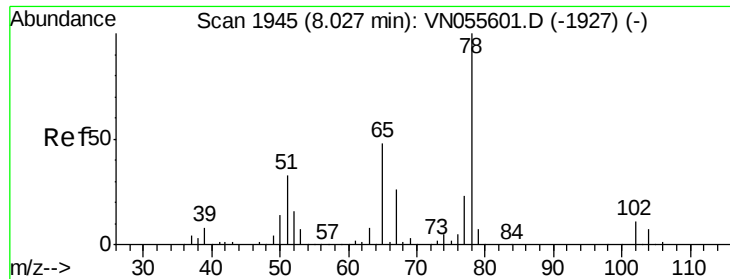
2000

0

Time-->

7.60 7.65 7.70

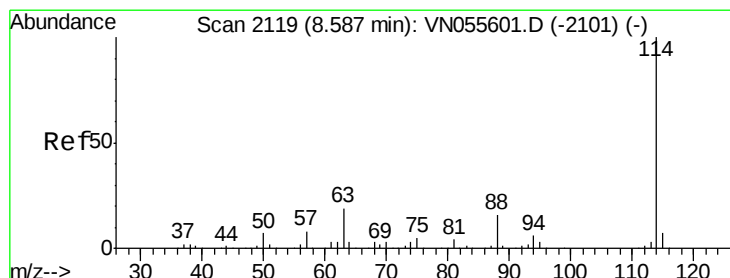
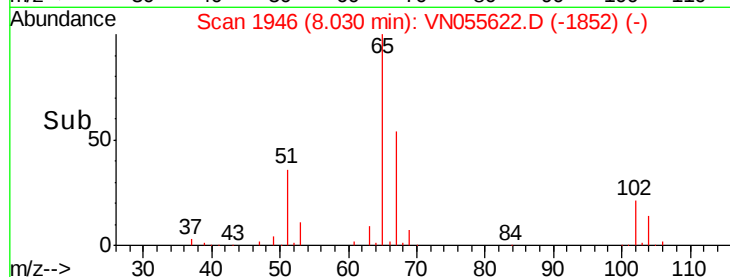
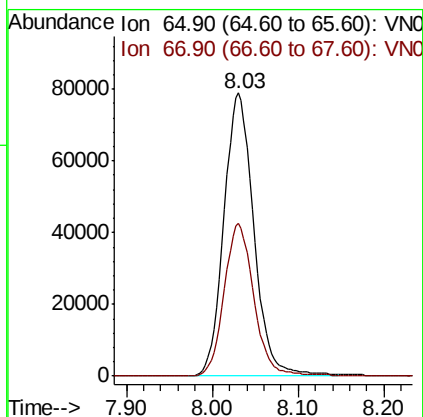
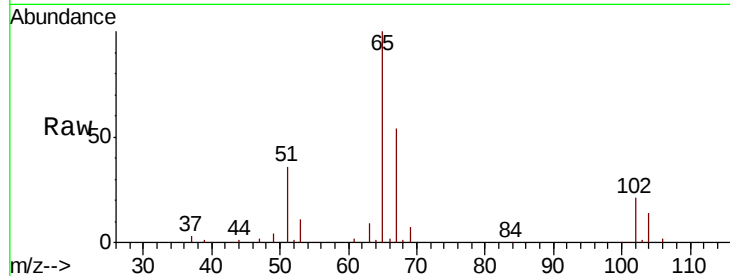




#33
 1,2-Dichloroethane-d4
 Concen: 42.824 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055622.D
 Acq: 17 May 2019 19:55

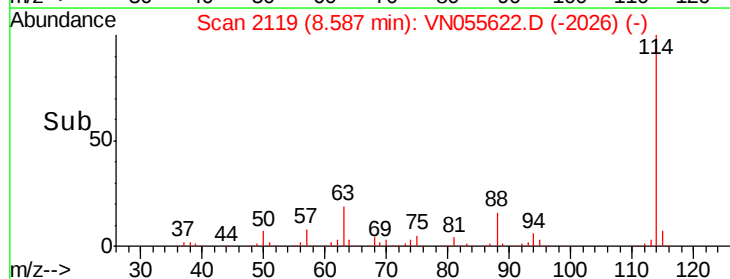
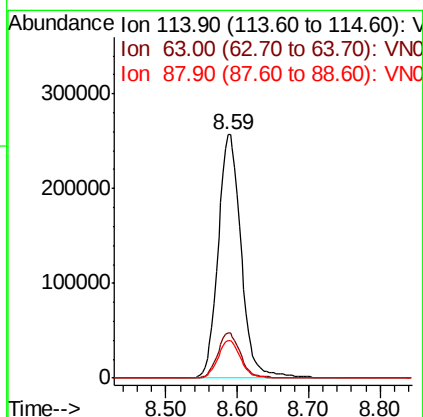
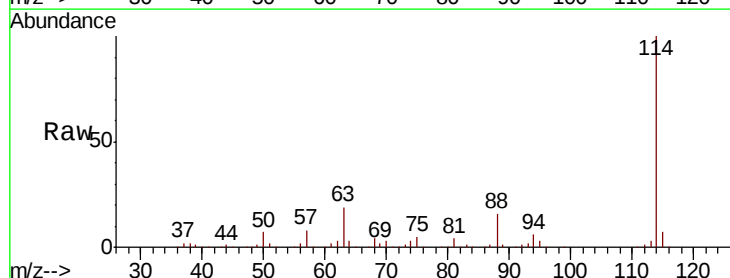
Instrument :
 MSVOA_N
 ClientSampleId :

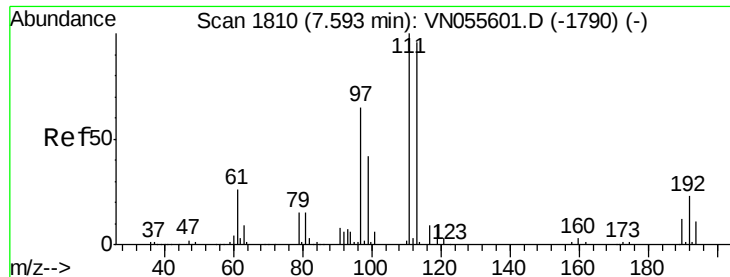
Tot Ion: 65 Resp: 191361
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055622.D
 Acq: 17 May 2019 19:55

Tgt Ion: 114 Resp: 573800
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.2
 88 15.5 0.0 31.0

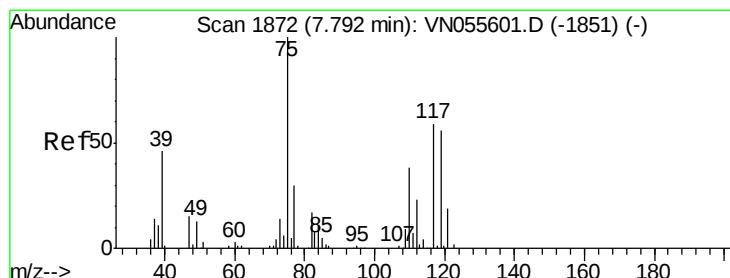
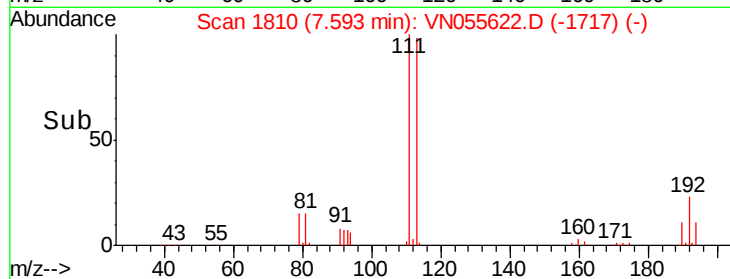
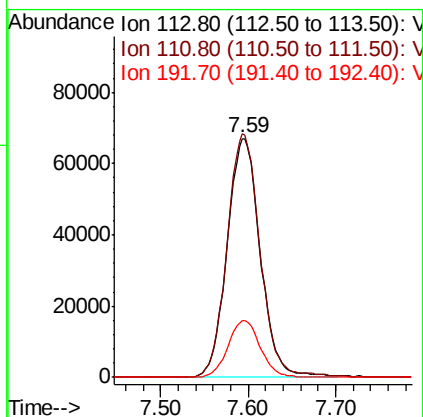
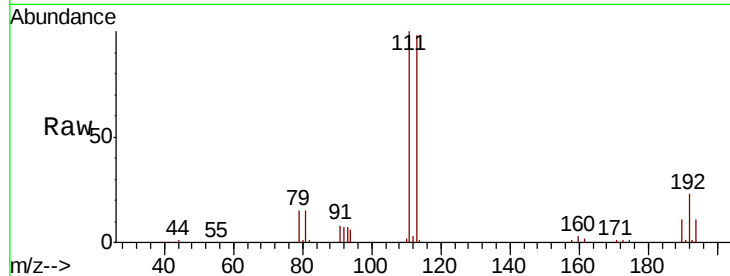




#35
 Dibromofluoromethane
 Concen: 48.225 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055622.D
 Acq: 17 May 2019 19:55

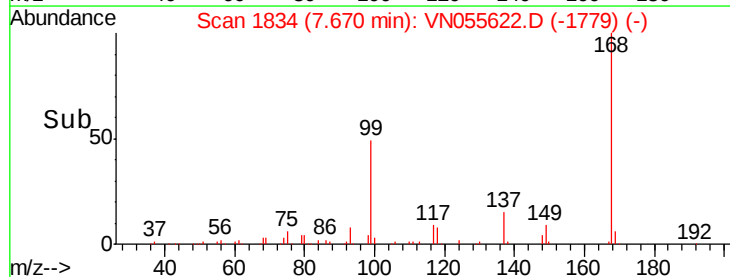
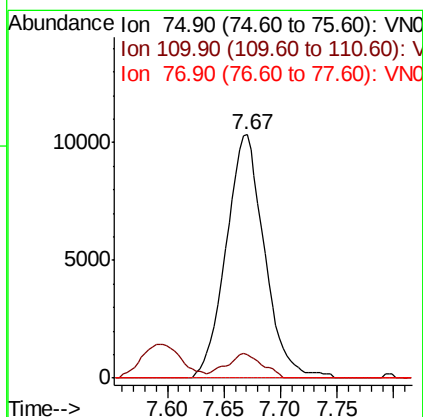
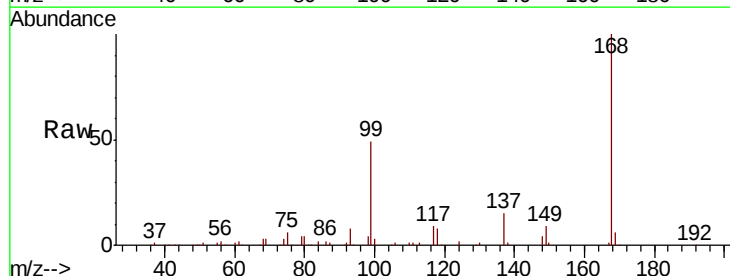
Instrument :
 MSVOA_N
 ClientSampleId :

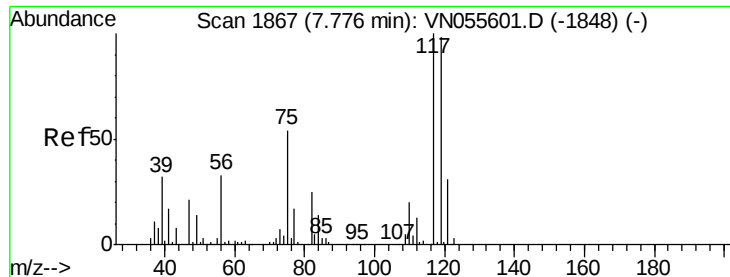
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.5	123.7
192	23.4	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 4.773 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN055622.D
 Acq: 17 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.6	55.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.196 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055622.D

Acq: 17 May 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

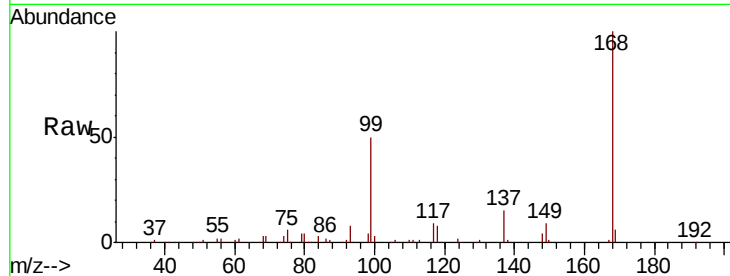
Tot Ion:117 Resp: 33871

Ion Ratio Lower Upper

117 100

119 5.7 77.8 116.8#

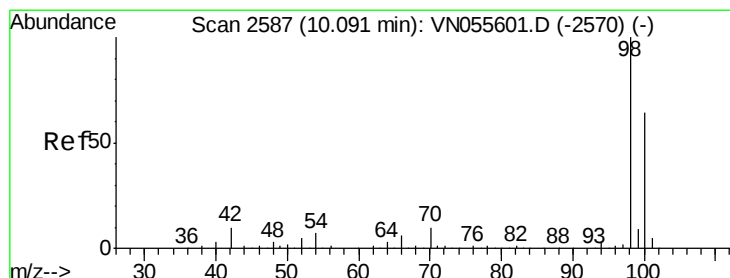
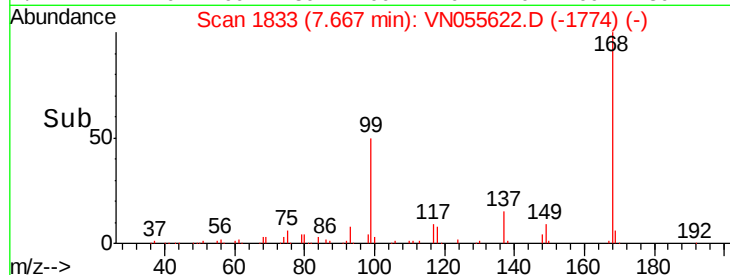
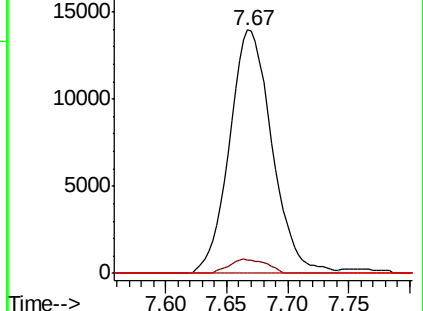
121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 48.463 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055622.D

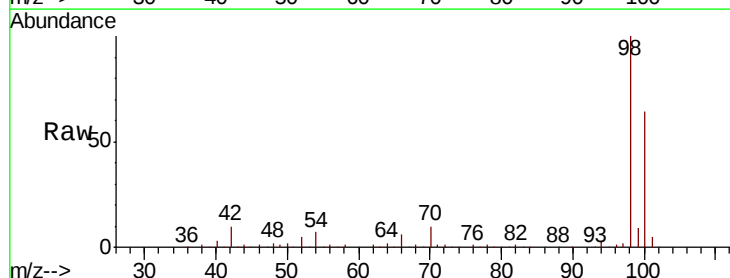
Acq: 17 May 2019 19:55

Tgt Ion: 98 Resp: 667940

Ion Ratio Lower Upper

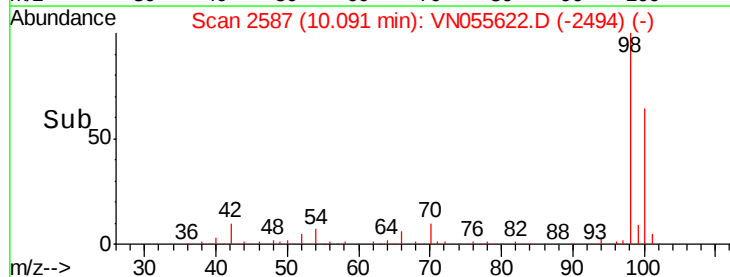
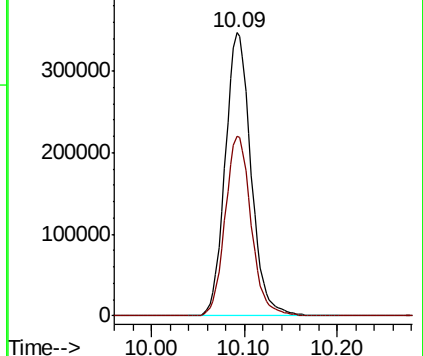
98 100

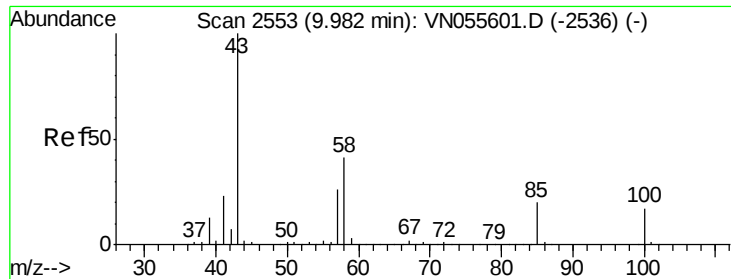
100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.491 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.11 min

Lab File: VN055622.D

Acq: 17 May 2019 19:55

Instrument :

MSVOA_N

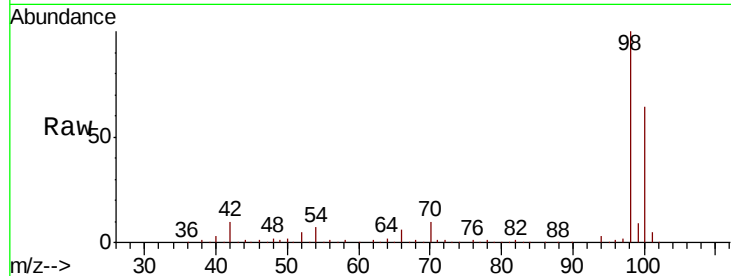
ClientSampled :

Tot Ion: 43 Resp: 2312

Ion Ratio Lower Upper

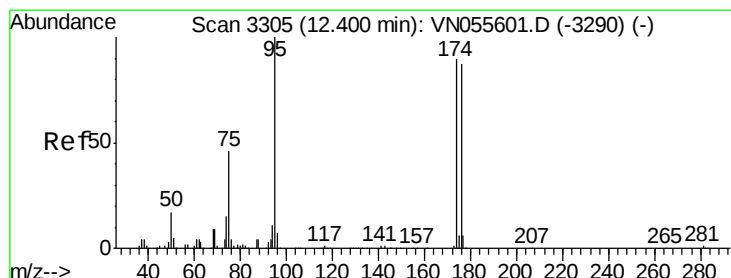
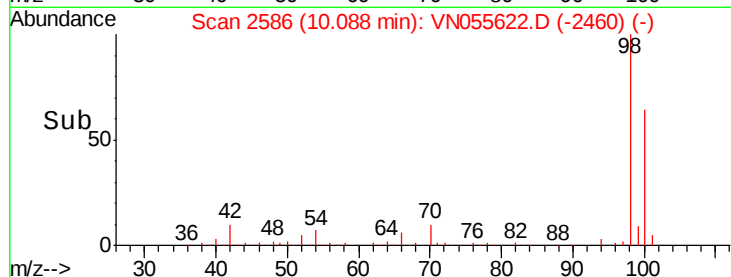
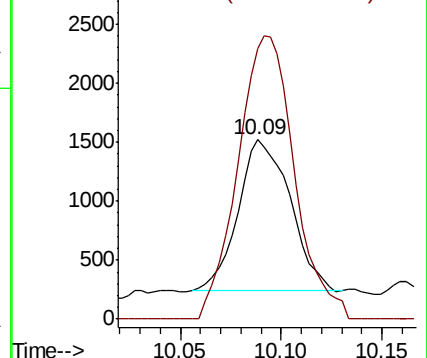
43 100

58 203.2 32.7 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 43.415 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055622.D

Acq: 17 May 2019 19:55

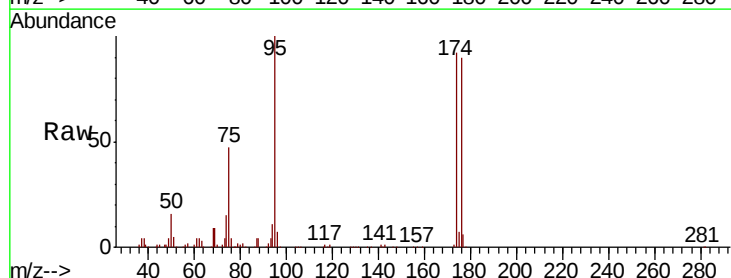
Tgt Ion: 95 Resp: 206621

Ion Ratio Lower Upper

95 100

174 92.6 0.0 180.6

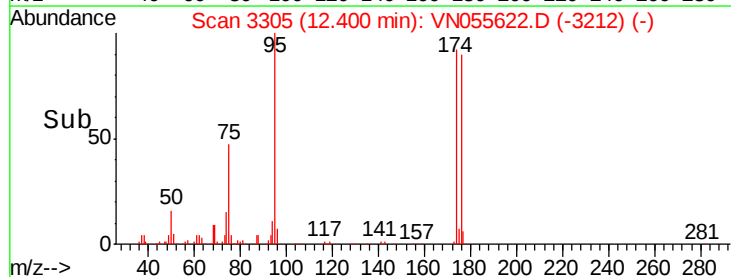
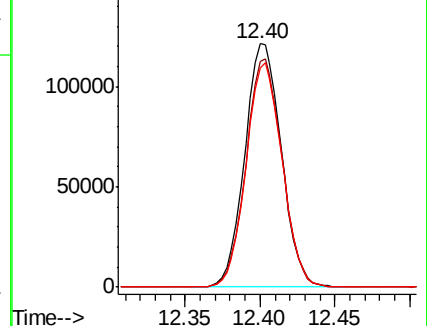
176 90.6 0.0 177.4

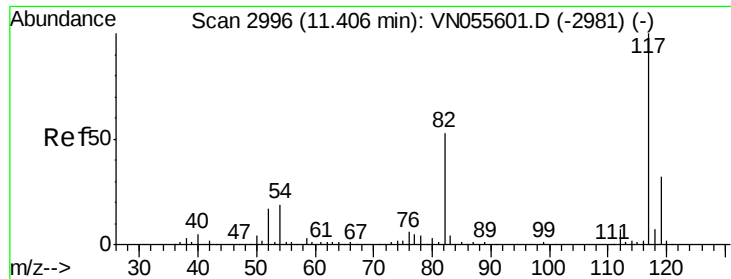


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

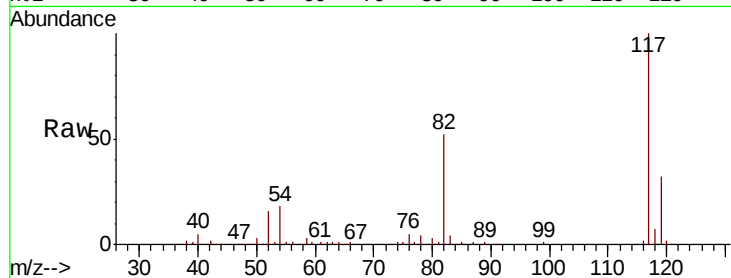




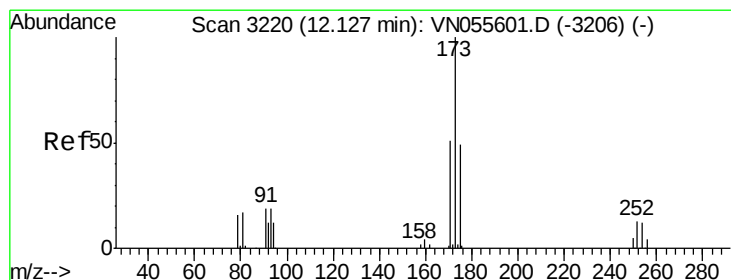
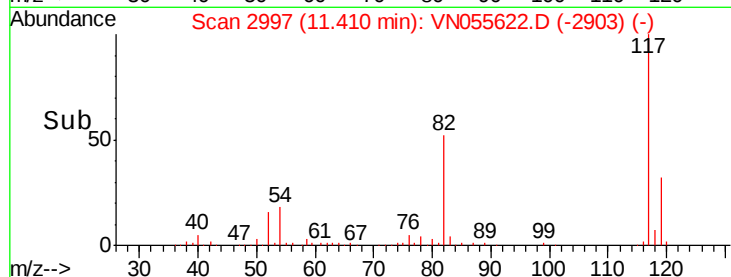
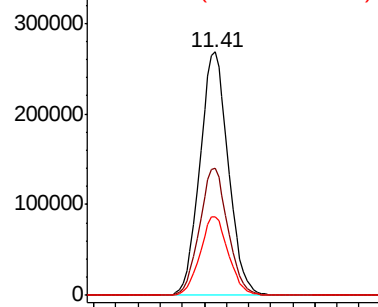
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055622.D
Acq: 17 May 2019 19:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 478852
Ion Ratio Lower Upper
117 100
82 52.2 42.3 63.5
119 32.4 25.4 38.2

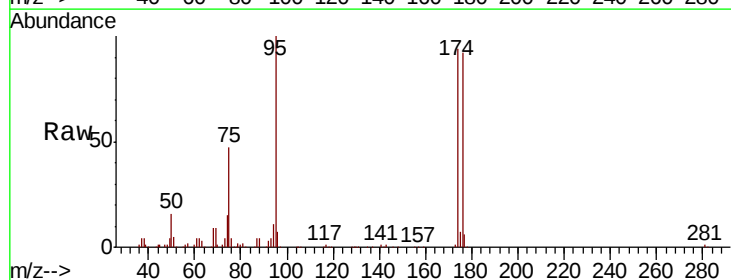


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

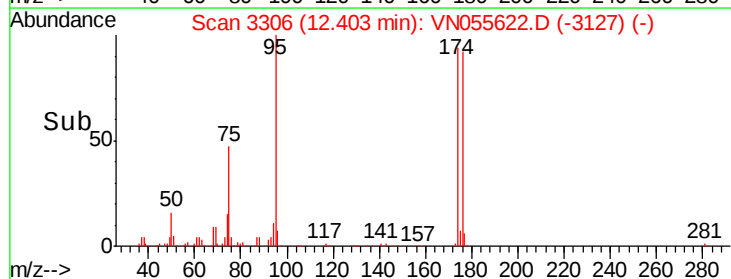
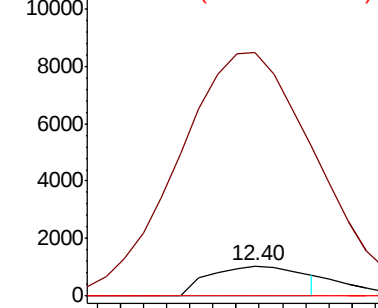


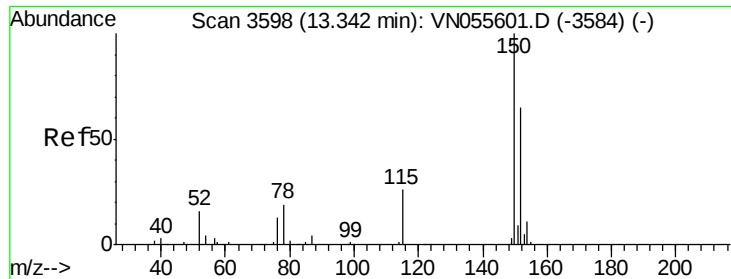
#71
Bromoform
Concen: 0.356 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055622.D
Acq: 17 May 2019 19:55

Tgt Ion:173 Resp: 1177
Ion Ratio Lower Upper
173 100
175 1043.9 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



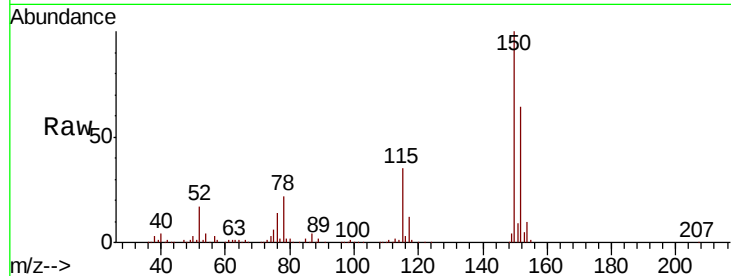


#72

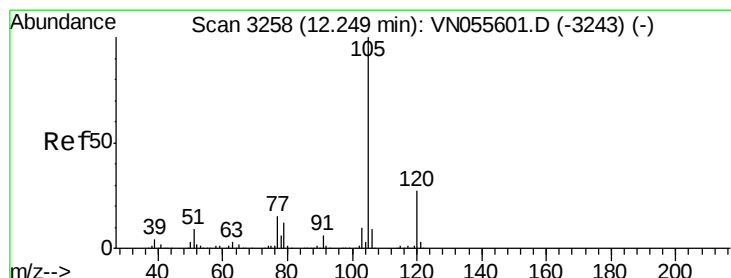
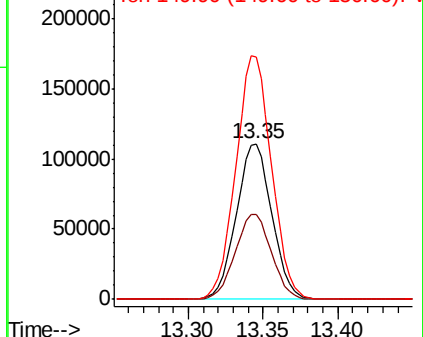
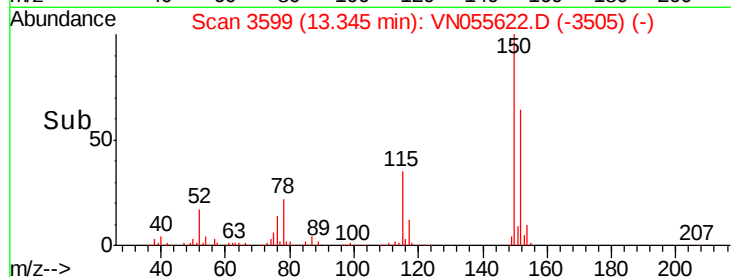
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN055622.D
Acq: 17 May 2019 19:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.1	84.2
150	157.2	0.0	348.0



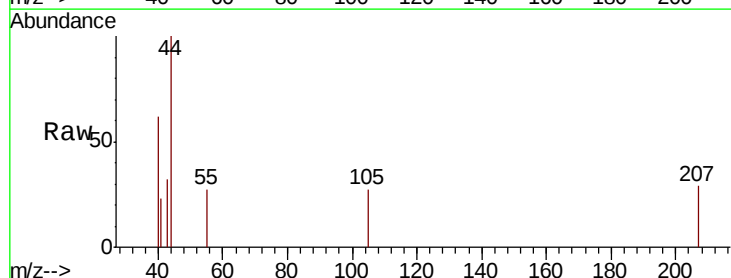
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



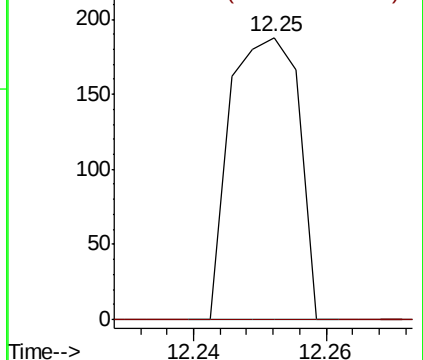
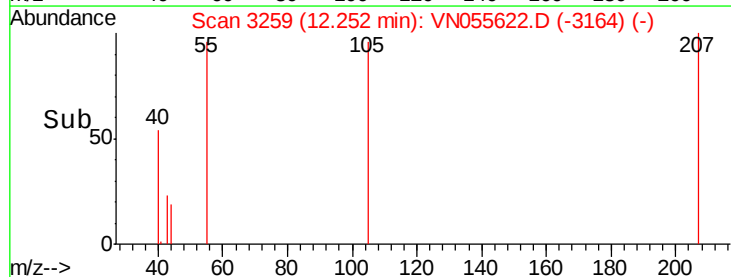
#73

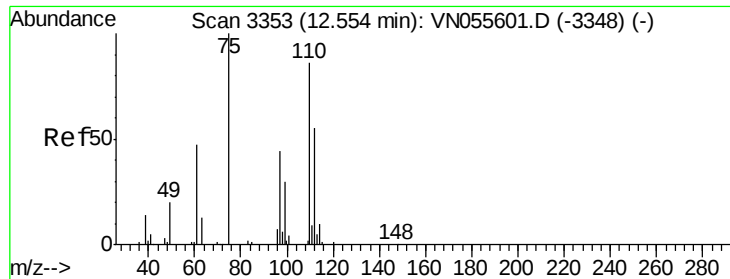
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN055622.D
Acq: 17 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.4	40.2#



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





#76

1,2,3-Trichloropropane

Concen: 25.769 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055622.D

Acq: 17 May 2019 19:55

Instrument :

MSVOA_N

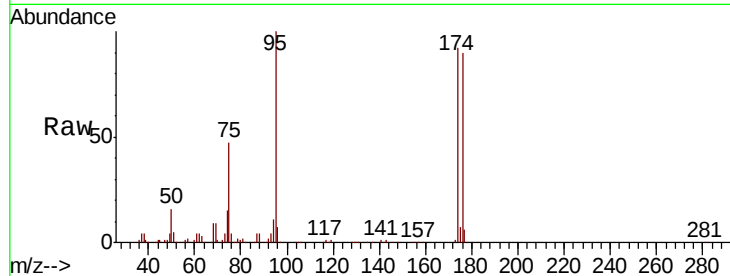
ClientSampleId :

Tot Ion: 75 Resp: 96364

Ion Ratio Lower Upper

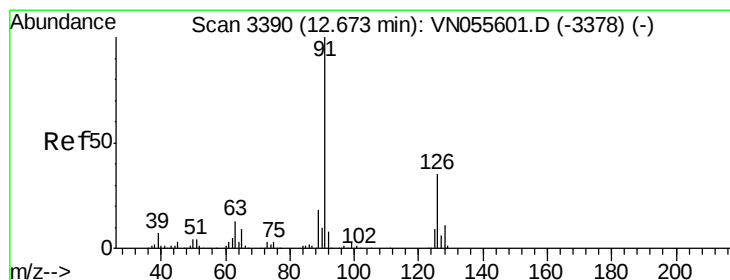
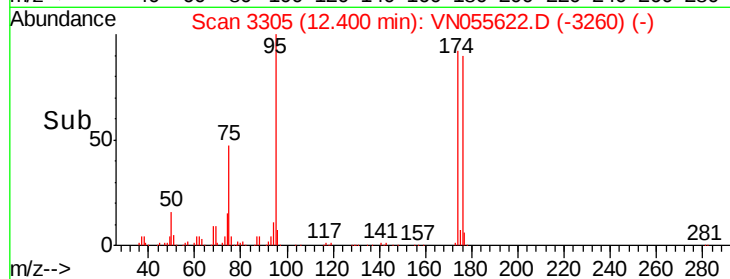
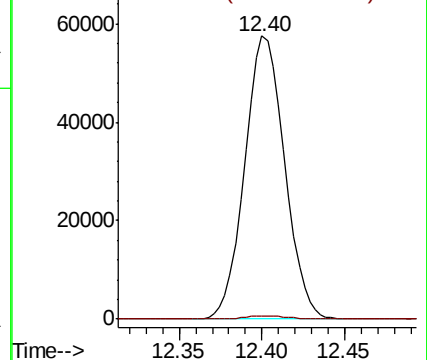
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3393

Delta R.T. 0.01 min

Lab File: VN055622.D

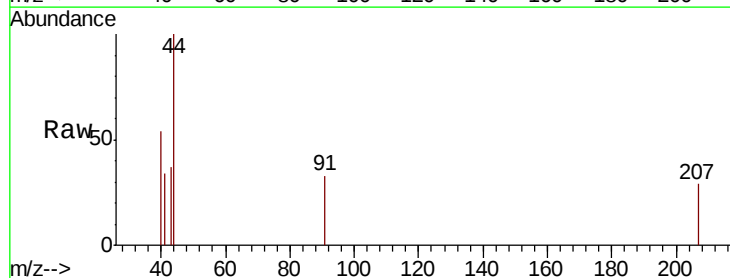
Acq: 17 May 2019 19:55

Tgt Ion: 91 Resp: 107

Ion Ratio Lower Upper

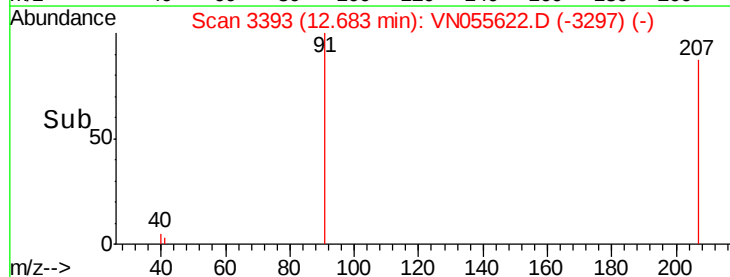
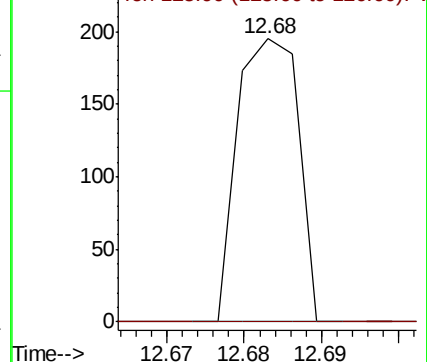
91 100

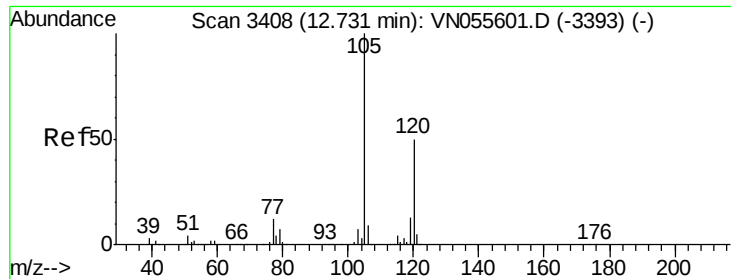
126 0.0 17.8 53.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

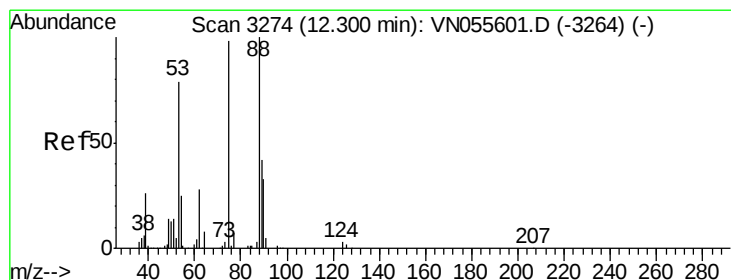
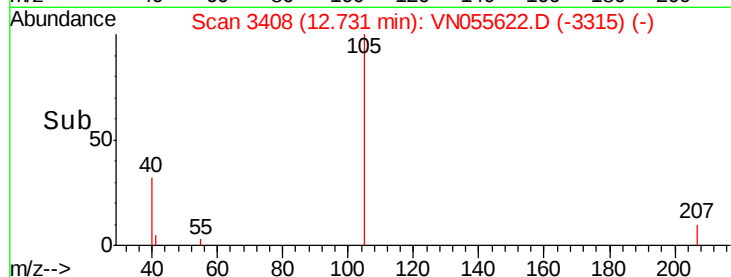
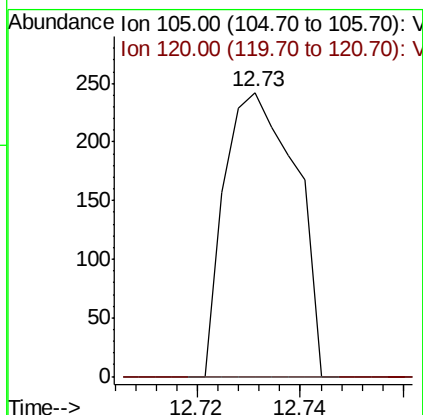
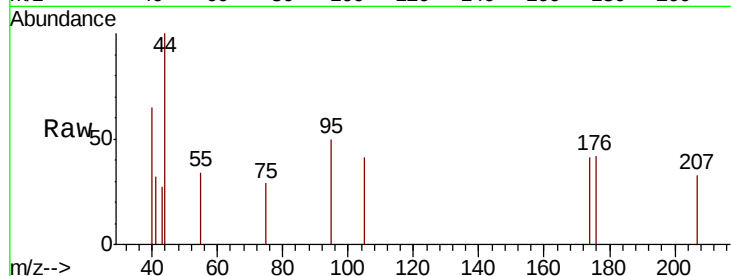




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055622.D
 Acq: 17 May 2019 19:55

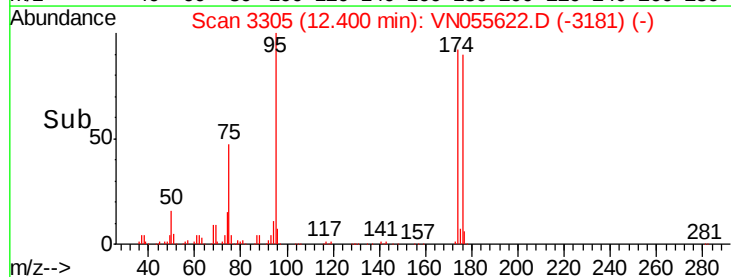
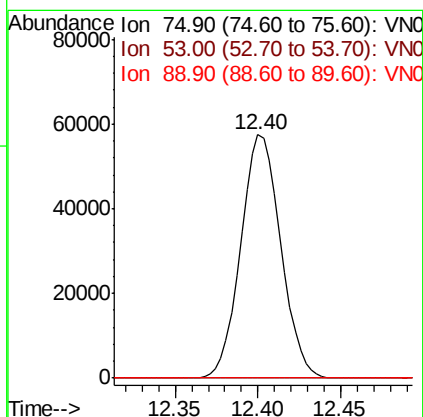
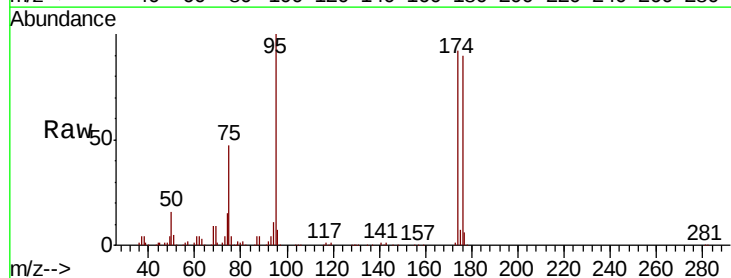
Instrument :
 MSVOA_N
 ClientSampled :

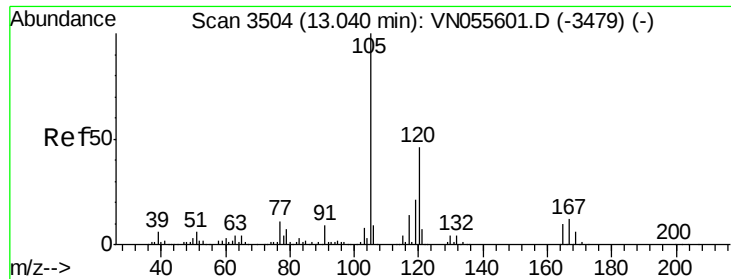
Tot Ion: 105 Resp: 231
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.6 74.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.241 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055622.D
 Acq: 17 May 2019 19:55

Tgt Ion: 75 Resp: 96364
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.1 97.7#
 89 0.0 36.4 54.6#





#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN055622.D

Acq: 17 May 2019 19:55

Instrument :

MSVOA_N

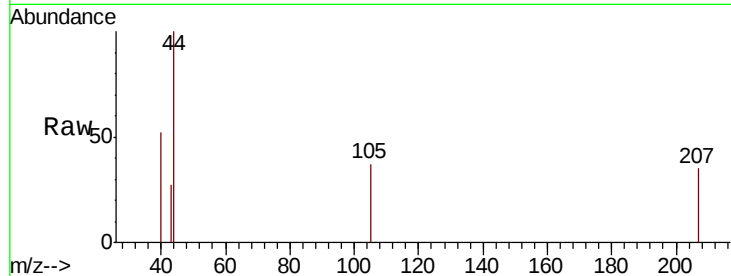
ClientSampleId :

Tot Ion:105 Resp: 216

Ion Ratio Lower Upper

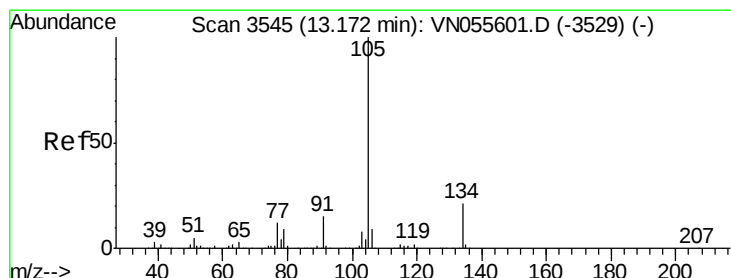
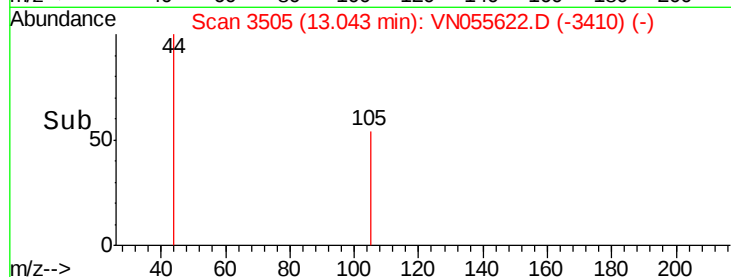
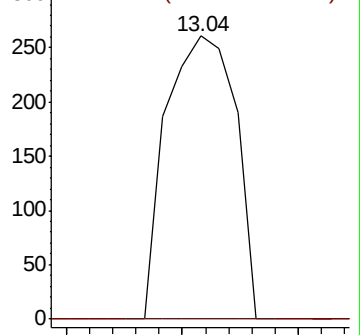
105 100

120 0.0 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# 3546

Delta R.T. 0.00 min

Lab File: VN055622.D

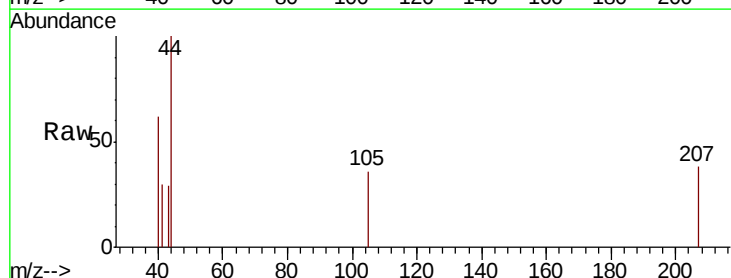
Acq: 17 May 2019 19:55

Tgt Ion:105 Resp: 378

Ion Ratio Lower Upper

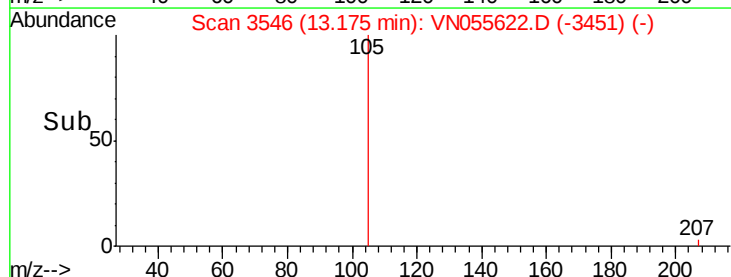
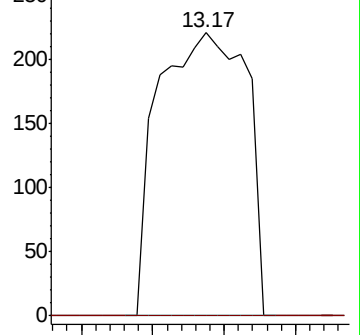
105 100

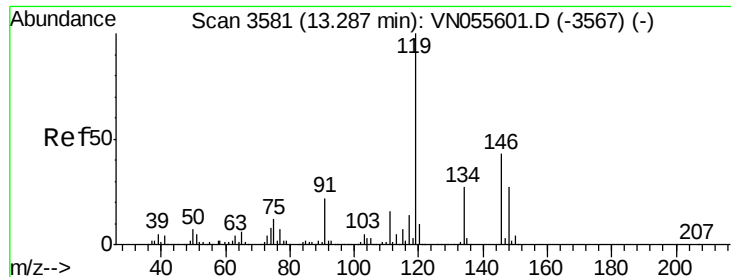
134 0.0 10.3 30.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: Below Cal

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055622.D

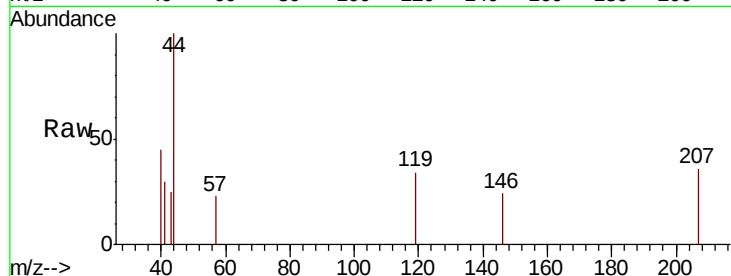
Acq: 17 May 2019 19:55

Instrument :

MSVOA_N

ClientSampled :

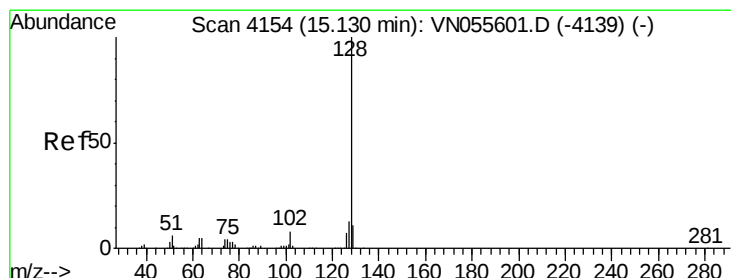
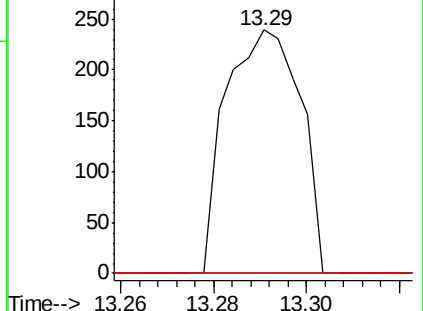
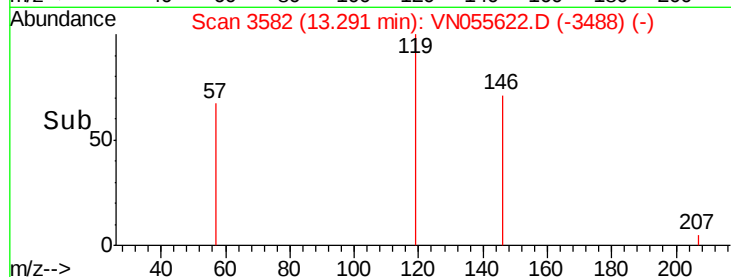
Tot Ion:119	Resp:	269
Ion Ratio	Lower	Upper
119	100	
134	0.0	13.4 40.2#
91	0.0	11.0 33.0#



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



#95

Naphthalene

Concen: 1.797 ug/l

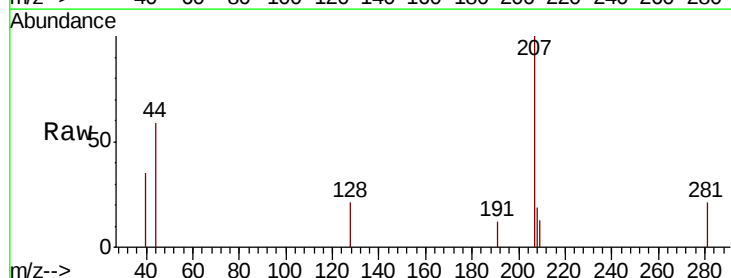
RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN055622.D

Acq: 17 May 2019 19:55

Tgt Ion:128	Resp:	324
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.2 15.4#
129	0.0	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

