

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\
 Data File : VN055968.D
 Acq On : 3 Jun 2019 18:00
 Operator : JC/SP
 Sample : K3097-08
 Misc : 5.06µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 04 01:52:08 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

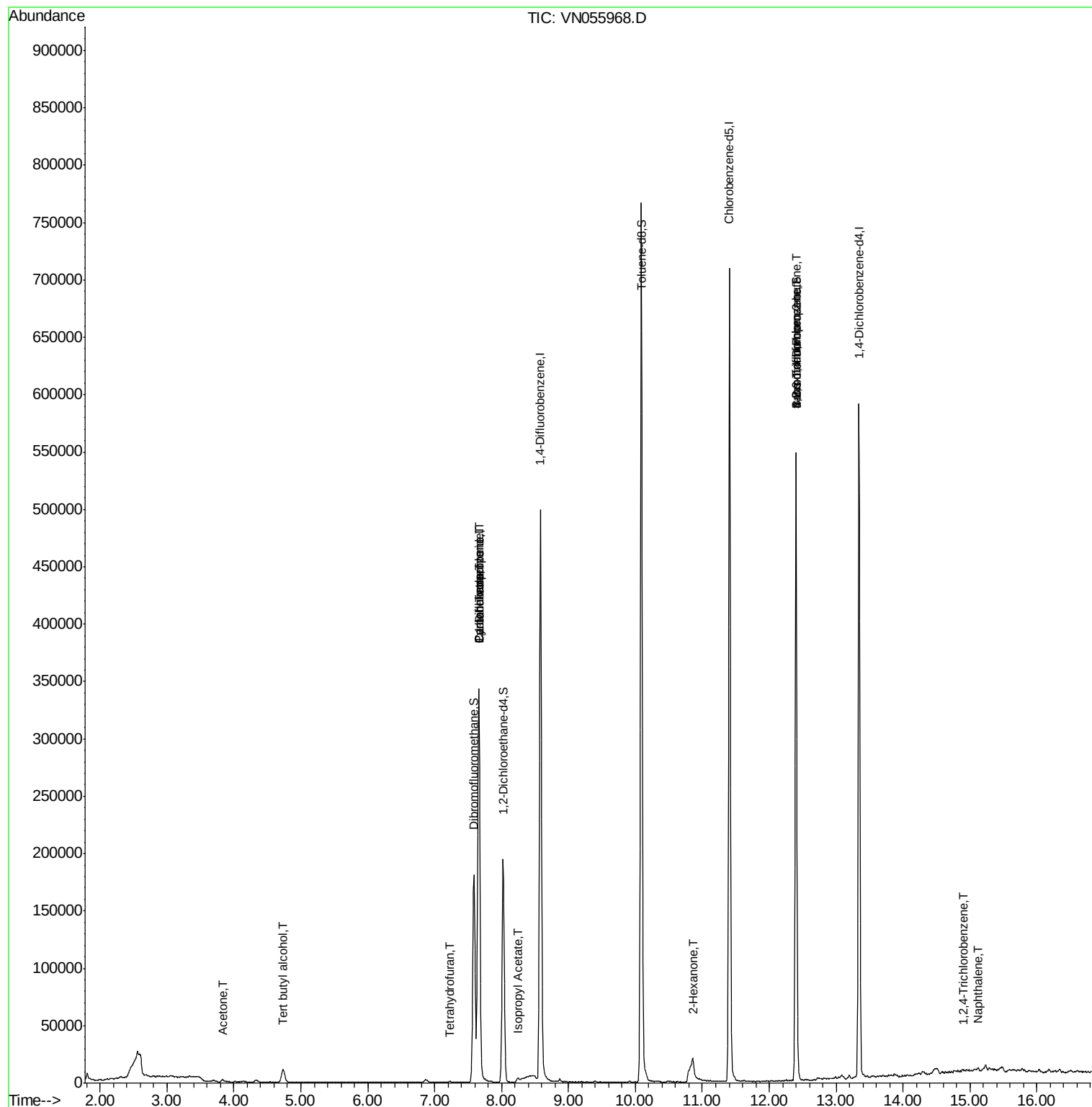
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	323310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	492798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	446190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177503	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	162498	48.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.34%	
35) Dibromofluoromethane	7.59	113	140388	45.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.12%	
50) Toluene-d8	10.09	98	577567	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.40	95	192567	46.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.98%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.73	59	10582	16.588	ug/l #	74
16) Acetone	3.83	43	3841	2.617	ug/l #	88
29) Tetrahydrofuran	7.21	42	305	0.235	ug/l #	34
31) Cyclohexane	7.66	56	4628	0.923	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19311	4.497	ug/l #	48
38) Carbon Tetrachloride	7.66	117	26386	5.899	ug/l #	15
43) Isopropyl Acetate	8.25	43	3470	0.498	ug/l #	53
59) 2-Hexanone	10.85	43	6113	2.092	ug/l	83
71) Bromoform	12.40	173	1466	0.482	ug/l #	1
73) Isopropylbenzene	12.25	105	347	Below Cal	#	48
74) N-amyl acetate	12.10	43	73	Below Cal	#	43
75) 1,1,2,2-Tetrachloroethane	12.51	83	61	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	88630	27.586	ug/l #	100
79) 2-Chlorotoluene	12.67	91	148	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.72	105	136	Below Cal	#	60
81) trans-1,4-Dichloro-2-buten	12.40	75	88630	67.182	ug/l #	15
83) tert-Butylbenzene	12.99	119	103	Below Cal	#	30
84) 1,2,4-Trimethylbenzene	13.04	105	501	Below Cal	#	30
85) sec-Butylbenzene	13.17	105	592	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.90	180	64	3.654	ug/l #	1
95) Naphthalene	15.13	128	2310	0.281	ug/l #	81

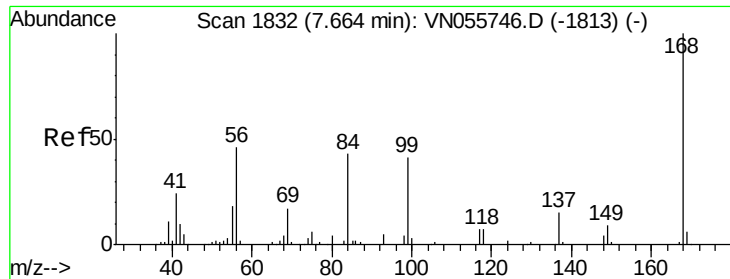
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060319\
Data File : VN055968.D
Acq On : 3 Jun 2019 18:00
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Jun 04 01:52:08 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# 1831

Delta R.T. -0.00 min

Lab File: VN055968.D

Acq: 3 Jun 2019 18:00

Instrument :

MSVOA_N

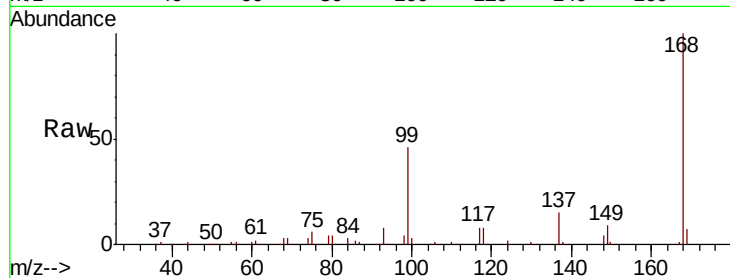
ClientSampleId :

Tot Ion:168 Resp: 323310

Ion Ratio Lower Upper

168 100

99 45.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

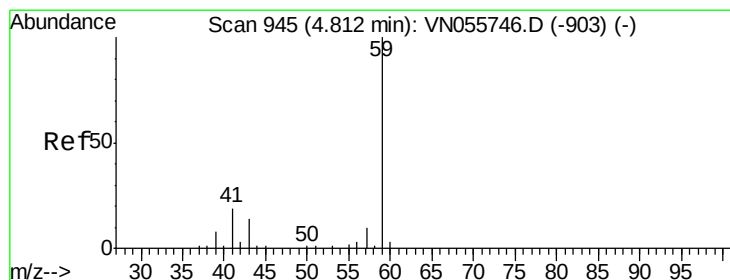
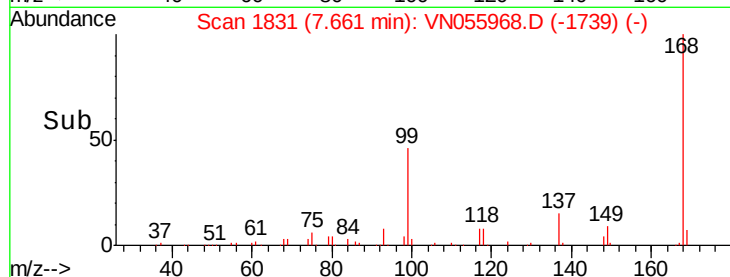
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 16.588 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.08 min

Lab File: VN055968.D

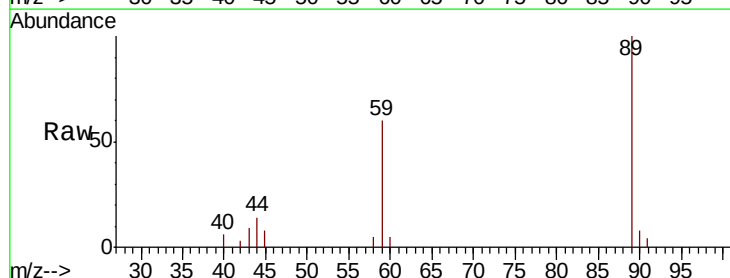
Acq: 3 Jun 2019 18:00

Tgt Ion: 59 Resp: 10582

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

4.73

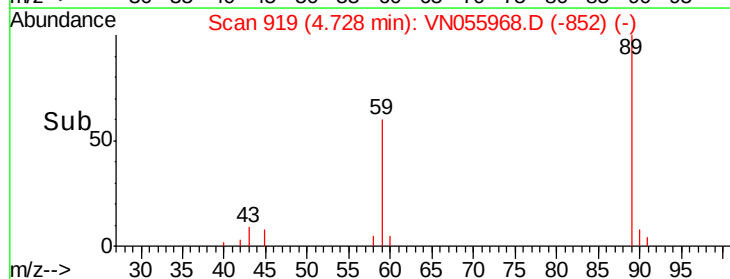
3000

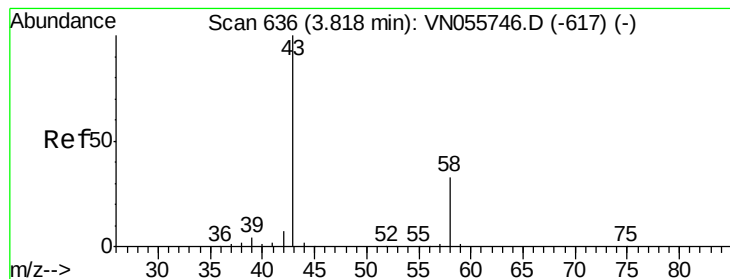
2000

1000

0

Time-->





#16

Acetone

Concen: 2.617 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN055968.D

Acq: 3 Jun 2019 18:00

Instrument :

MSVOA_N

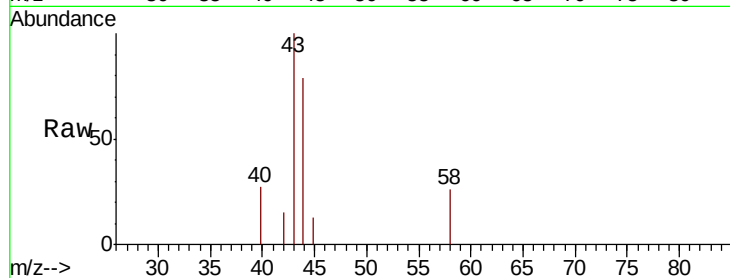
ClientSampled :

Tot Ion: 43 Resp: 3841

Ion Ratio Lower Upper

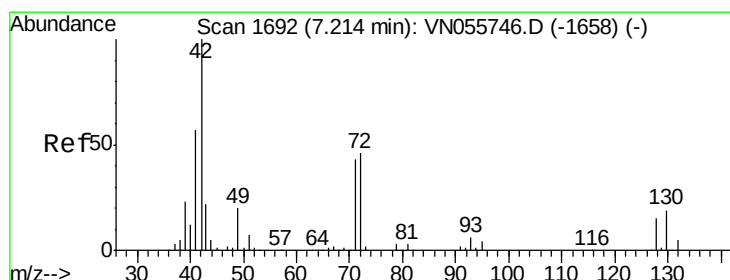
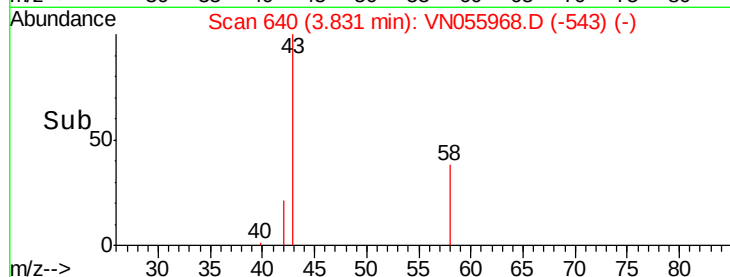
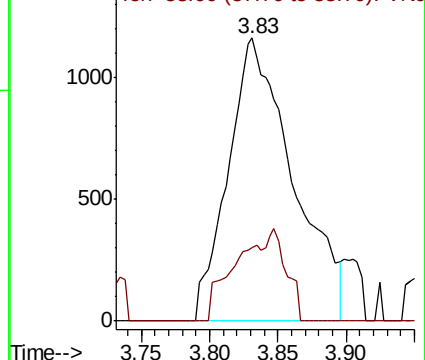
43 100

58 26.1 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#29

Tetrahydrofuran

Concen: 0.235 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN055968.D

Acq: 3 Jun 2019 18:00

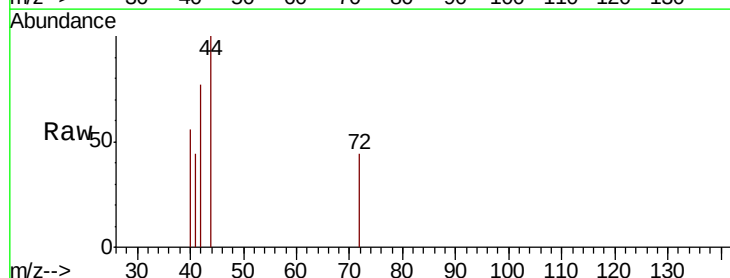
Tgt Ion: 42 Resp: 305

Ion Ratio Lower Upper

42 100

72 87.9 35.9 53.9#

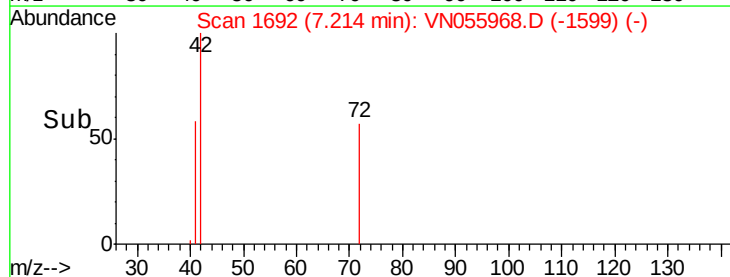
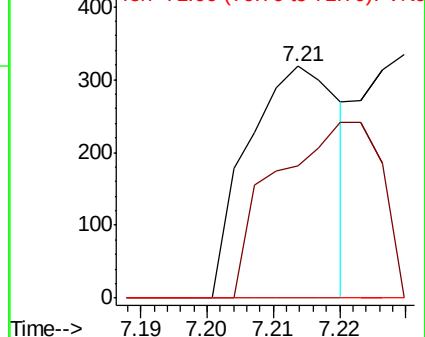
71 0.0 34.0 51.0#

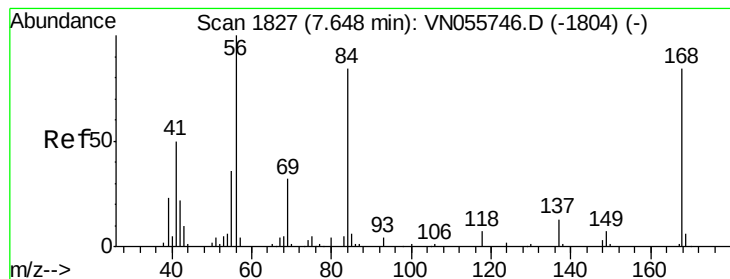


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 0.923 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN055968.D

Acq: 3 Jun 2019 18:00

Instrument :

MSVOA_N

ClientSampled :

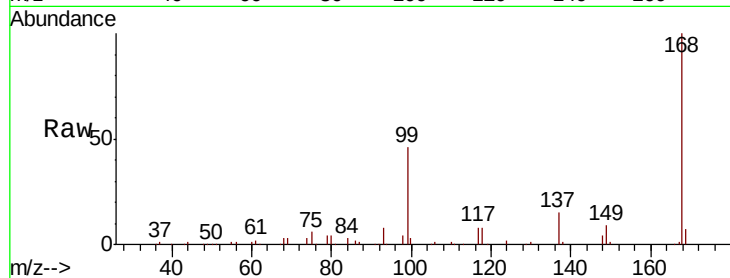
Tot Ion: 56 Resp: 4628

Ion Ratio Lower Upper

56 100

69 216.9 25.6 38.4#

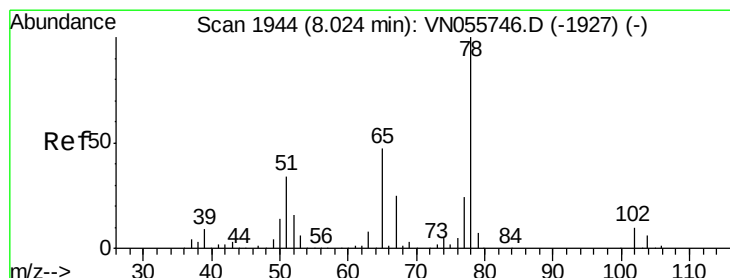
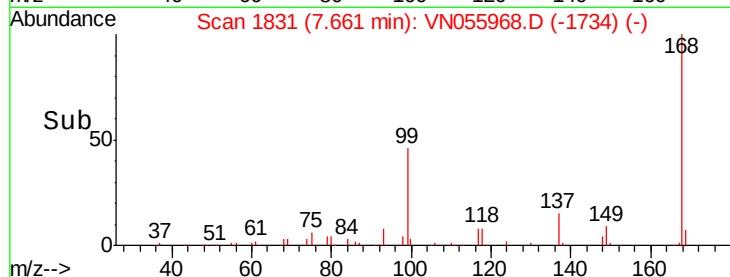
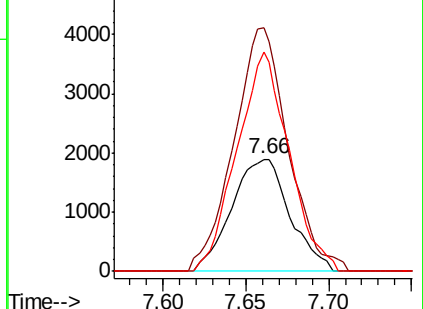
84 195.4 67.4 101.0#



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: 48.668 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055968.D

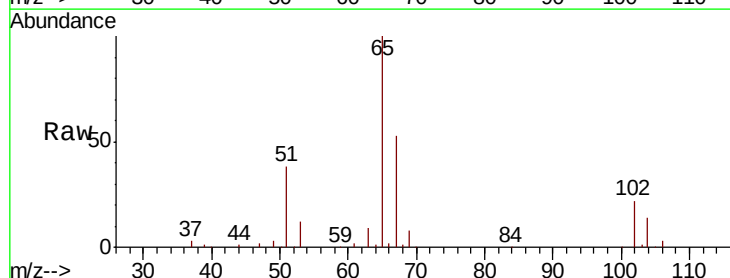
Acq: 3 Jun 2019 18:00

Tgt Ion: 65 Resp: 162498

Ion Ratio Lower Upper

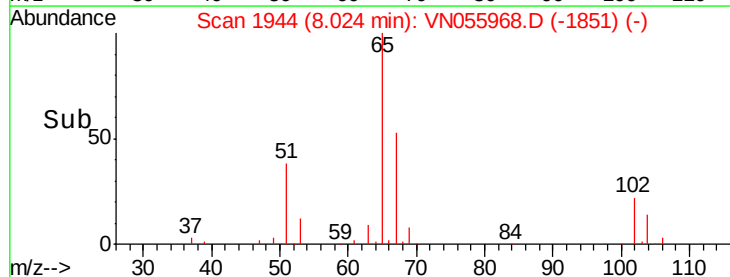
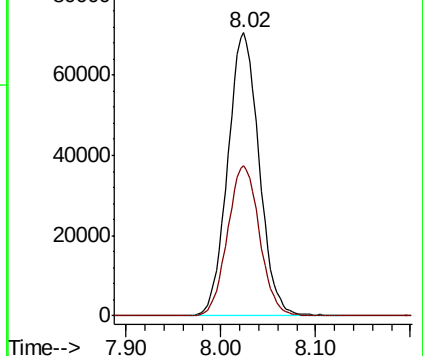
65 100

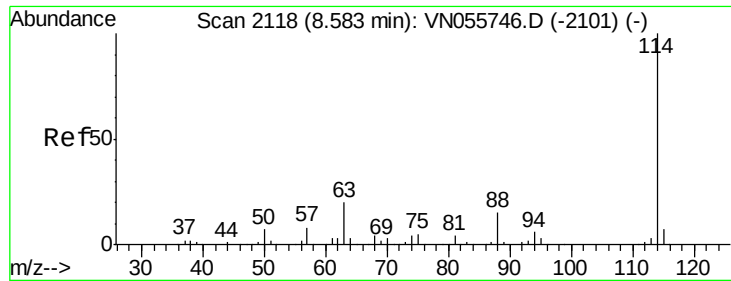
67 54.2 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

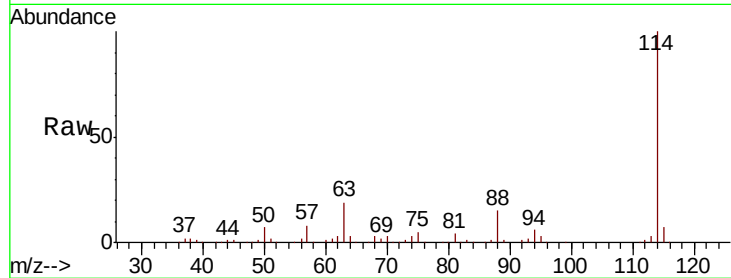




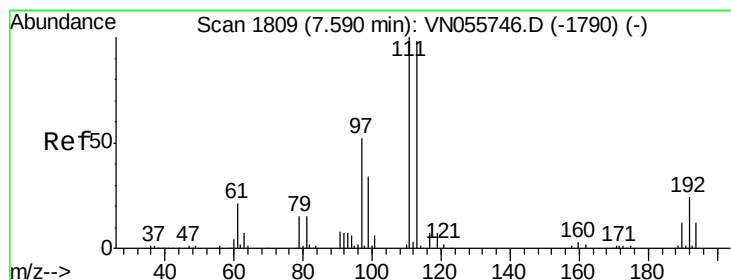
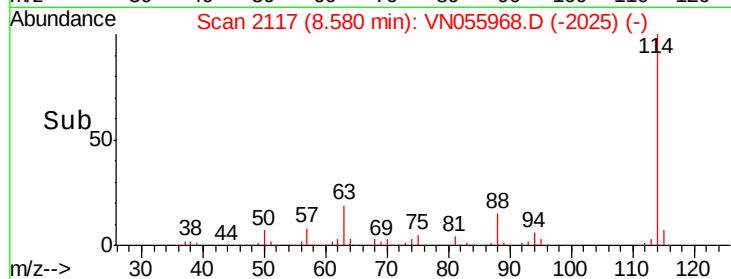
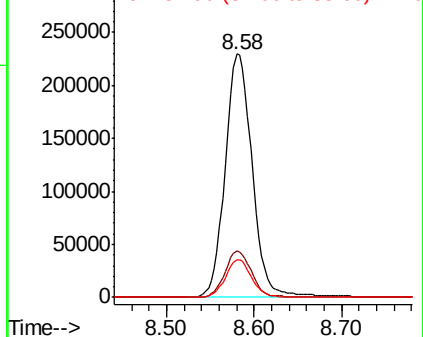
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VN055968.D
Acq: 3 Jun 2019 18:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 492798
Ion Ratio Lower Upper
114 100
63 18.9 0.0 39.2
88 15.2 0.0 31.0

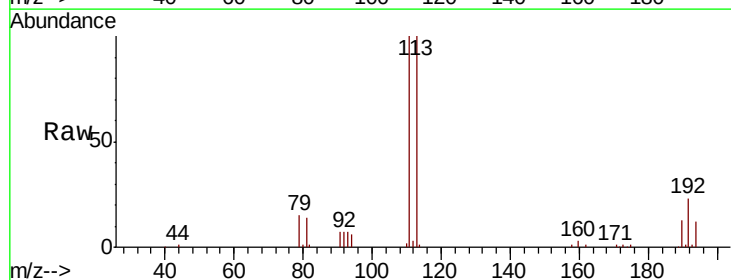


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

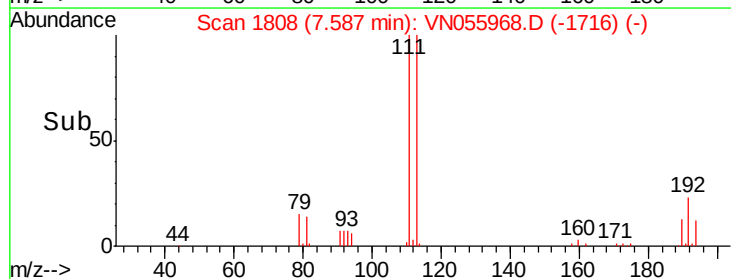
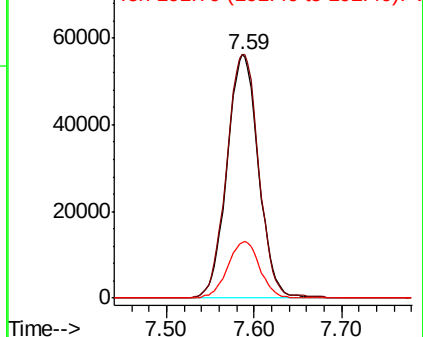


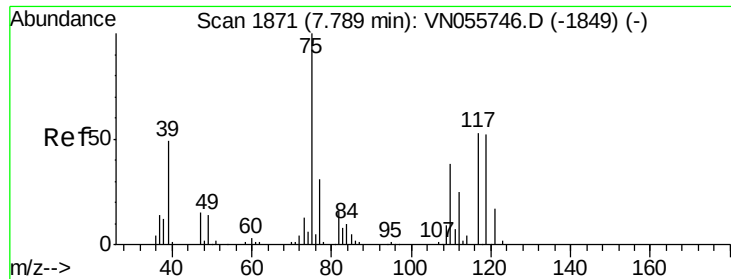
#35
Dibromofluoromethane
Concen: 45.059 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN055968.D
Acq: 3 Jun 2019 18:00

Tgt Ion:113 Resp: 140388
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 23.6 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

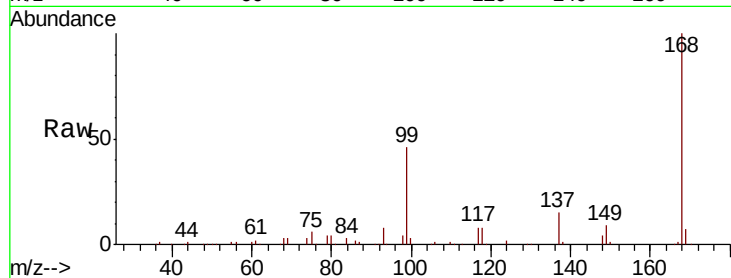




#36
 1,1-Dichloropropene
 Concen: 4.497 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN055968.D
 Acq: 3 Jun 2019 18:00

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	75	Resp	19311
Ion Ratio	100	Lower	Upper
75	100		
110	9.3	19.0	57.0#
77	0.0	25.1	37.7#

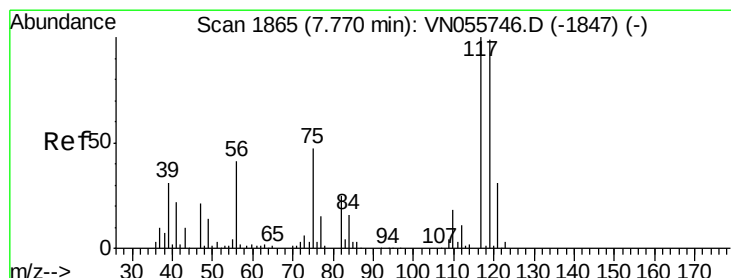
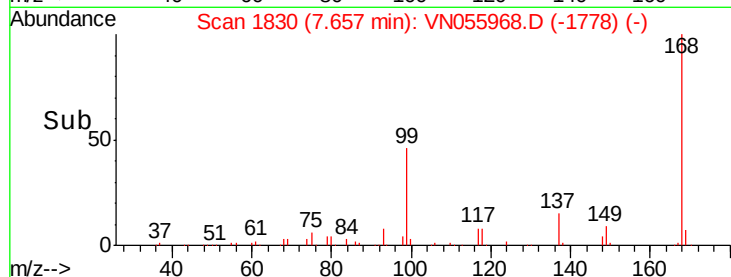
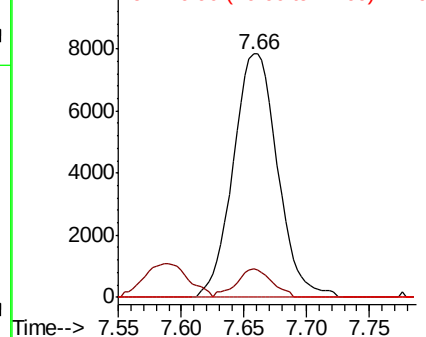


Abundance

Ion 74.90 (74.60 to 75.60): VN055746.D (-1849) (-)

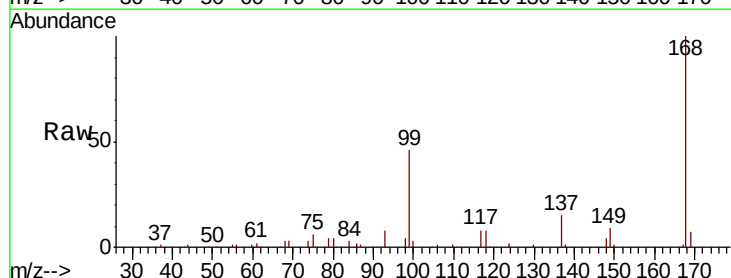
Ion 109.90 (109.60 to 110.60): VN055746.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN055746.D (-1849) (-)



#38
 Carbon Tetrachloride
 Concen: 5.899 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN055968.D
 Acq: 3 Jun 2019 18:00

Tgt Ion	117	Resp	26386
Ion Ratio	100	Lower	Upper
117	100		
119	5.2	79.0	118.6#
121	0.0	24.7	37.1#

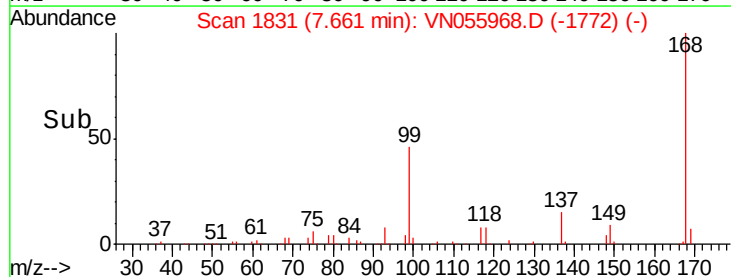
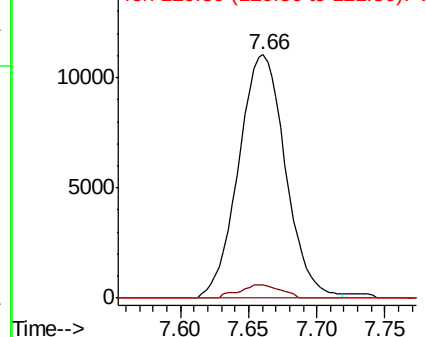


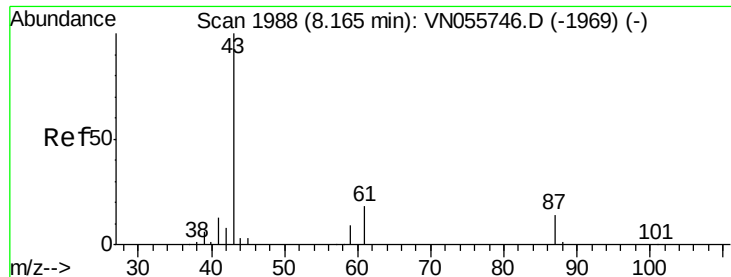
Abundance

Ion 116.80 (116.50 to 117.50): VN055746.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055746.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055746.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 0.498 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.08 min

Lab File: VN055968.D

Acq: 3 Jun 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

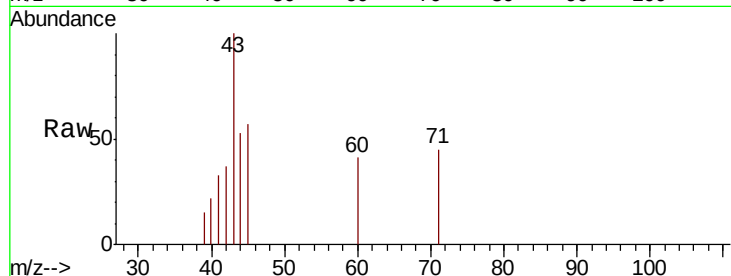
Tot Ion: 43 Resp: 3470

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

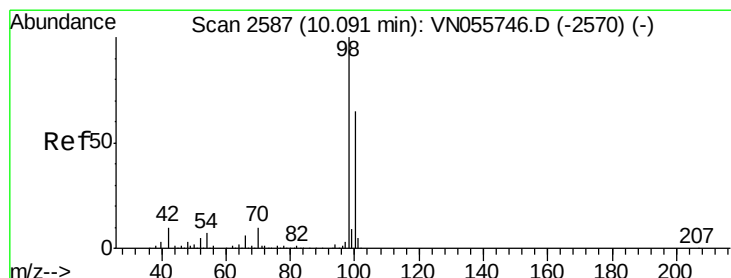
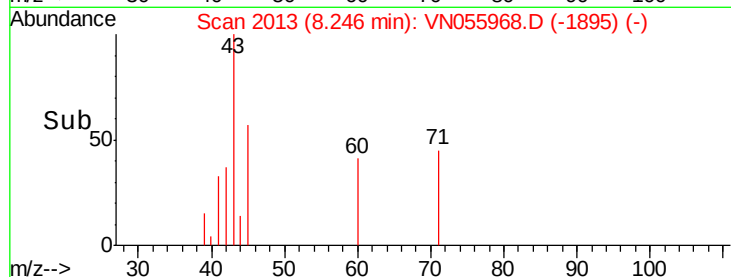
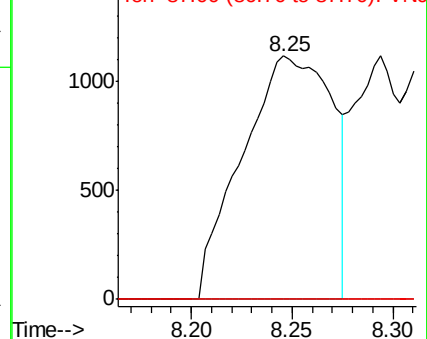
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.327 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055968.D

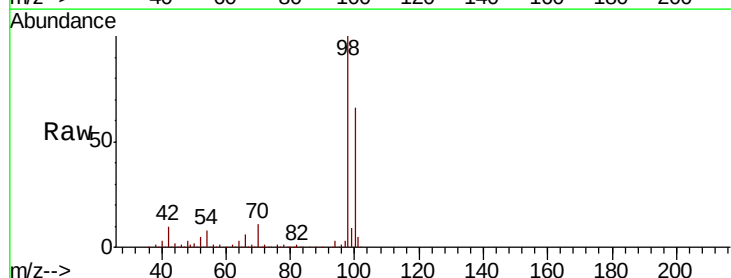
Acq: 3 Jun 2019 18:00

Tgt Ion: 98 Resp: 577567

Ion Ratio Lower Upper

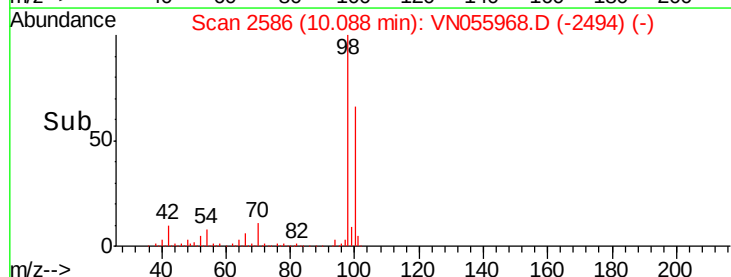
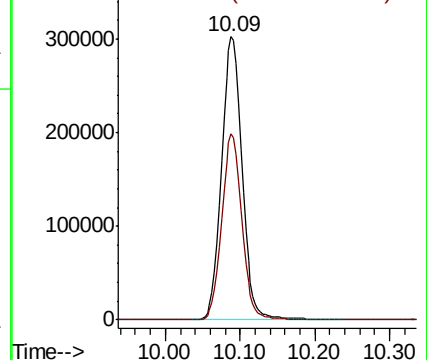
98 100

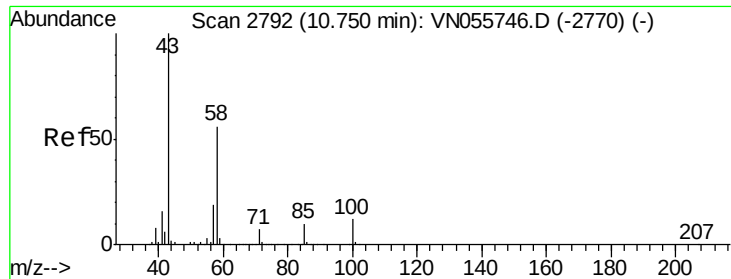
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

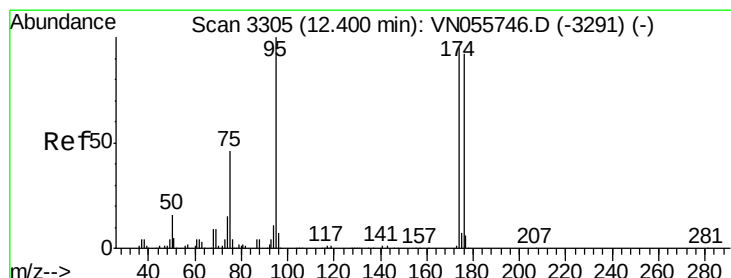
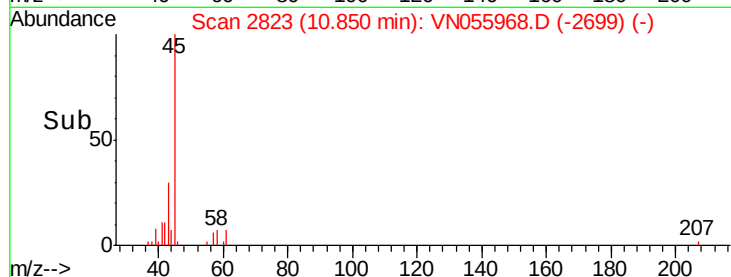
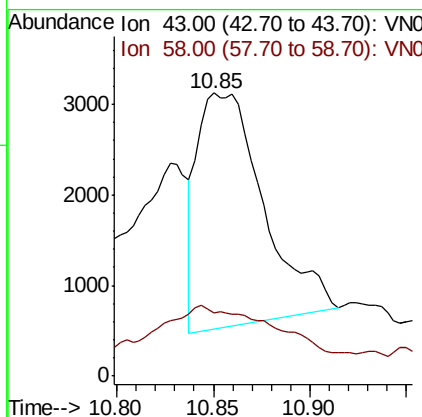
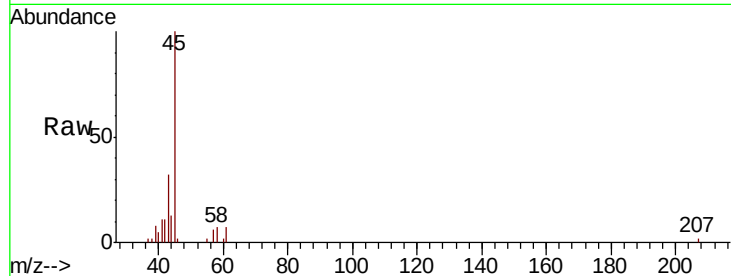




#59
2-Hexanone
Concen: 2.092 ug/l
RT: 10.85 min Scan# 2823
Delta R.T. 0.10 min
Lab File: VN055968.D
Acq: 3 Jun 2019 18:00

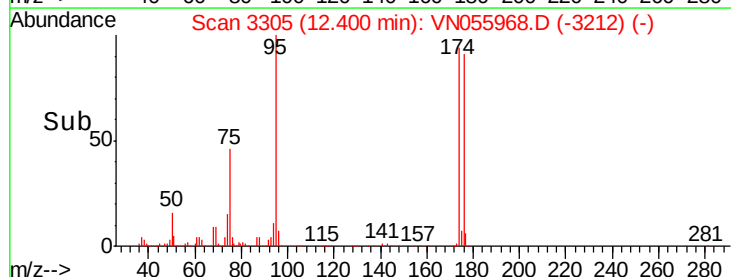
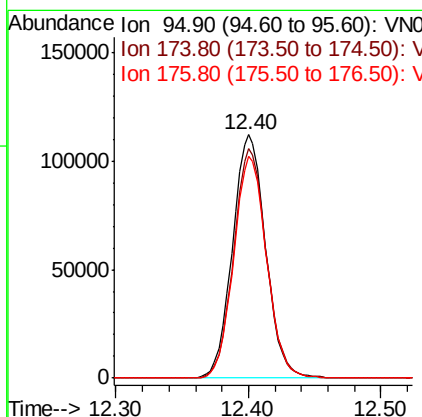
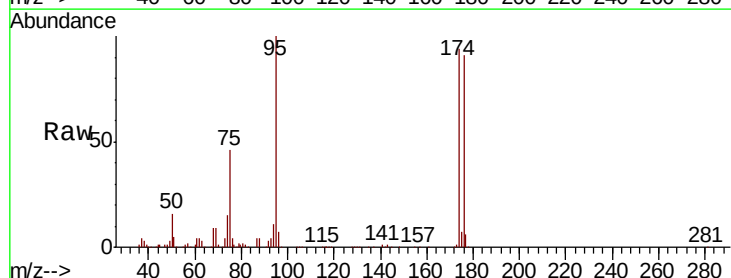
Instrument :
MSVOA_N
ClientSampleId :

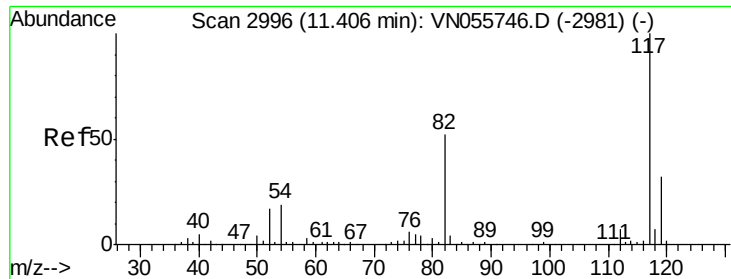
Tot Ion: 43 Resp: 6113
Ion Ratio Lower Upper
43 100
58 68.9 28.2 84.7



#62
4-Bromofluorobenzene
Concen: 46.991 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055968.D
Acq: 3 Jun 2019 18:00

Tgt Ion: 95 Resp: 192567
Ion Ratio Lower Upper
95 100
174 94.4 0.0 191.0
176 91.4 0.0 185.2

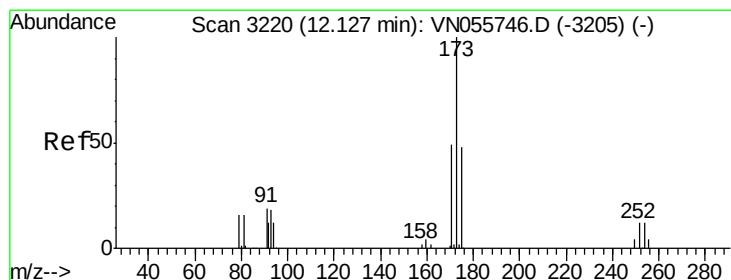
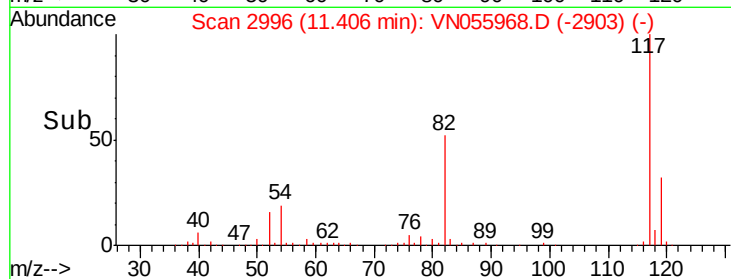
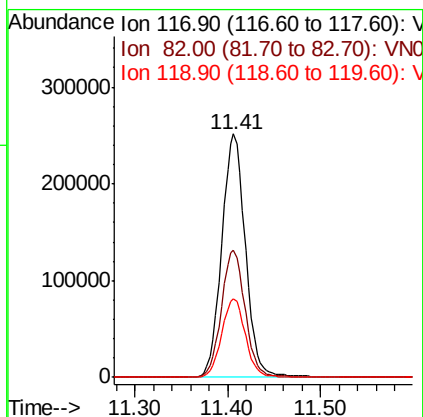
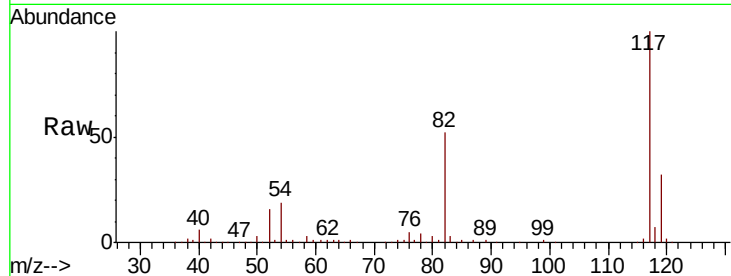




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055968.D
Acq: 3 Jun 2019 18:00

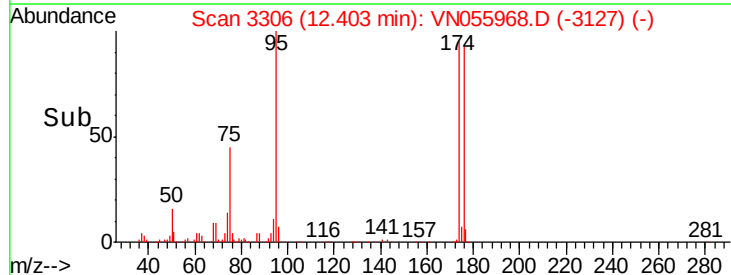
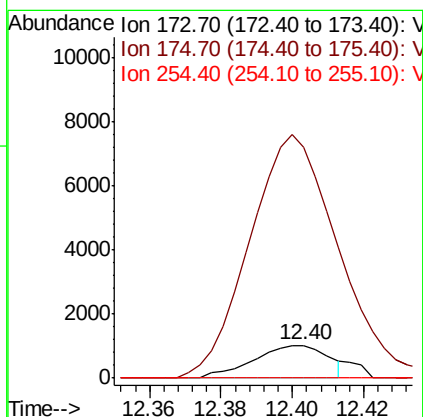
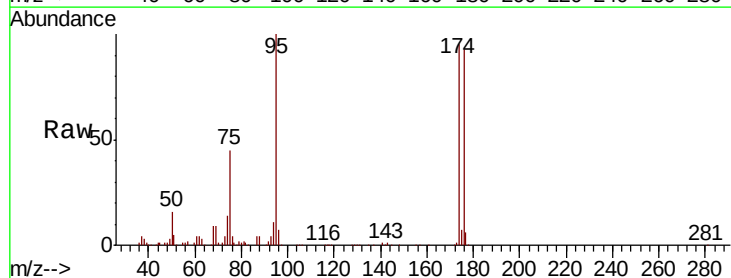
Instrument :
MSVOA_N
ClientSampleId :

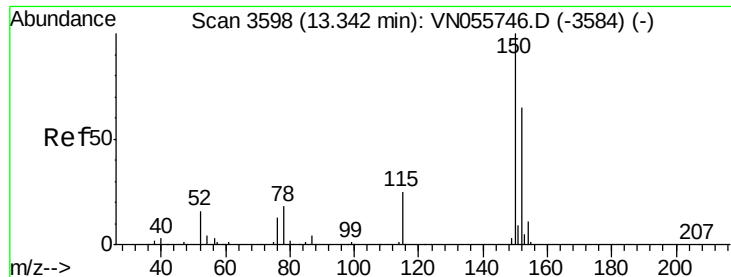
Tot Ion:117 Resp: 446190
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 32.5 25.4 38.0



#71
Bromoform
Concen: 0.482 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055968.D
Acq: 3 Jun 2019 18:00

Tgt Ion:173 Resp: 1466
Ion Ratio Lower Upper
173 100
175 771.3 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055968.D

Acq: 3 Jun 2019 18:00

Instrument :

MSVOA_N

ClientSampled :

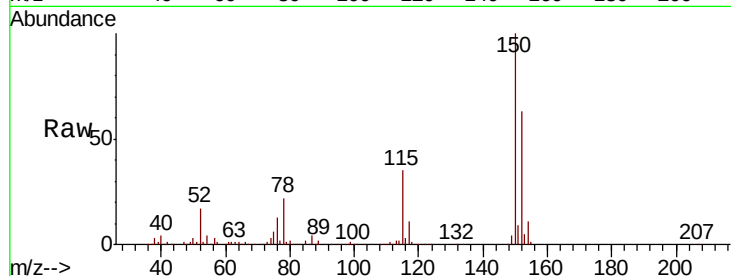
Tot Ion:152 Resp: 177503

Ion Ratio Lower Upper

152 100

115 53.7 27.0 81.0

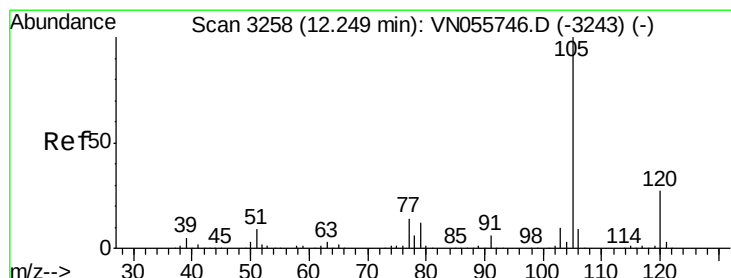
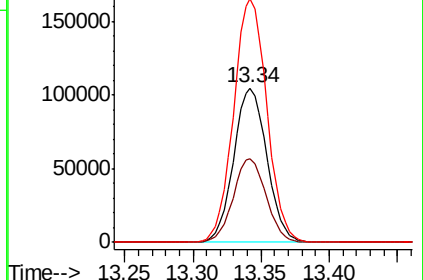
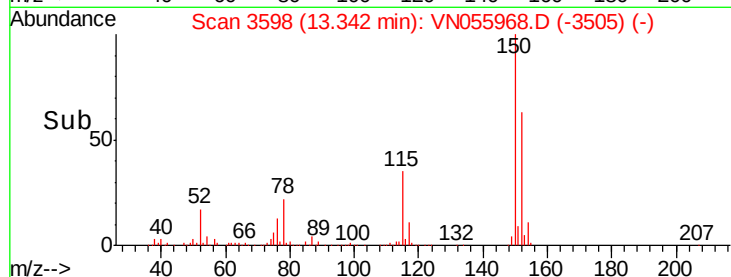
150 157.3 0.0 343.2



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# 3257

Delta R.T. -0.00 min

Lab File: VN055968.D

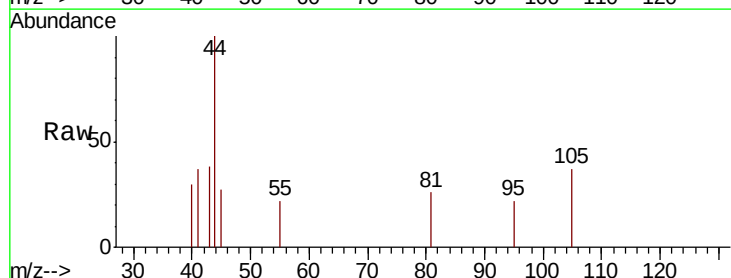
Acq: 3 Jun 2019 18:00

Tgt Ion:105 Resp: 347

Ion Ratio Lower Upper

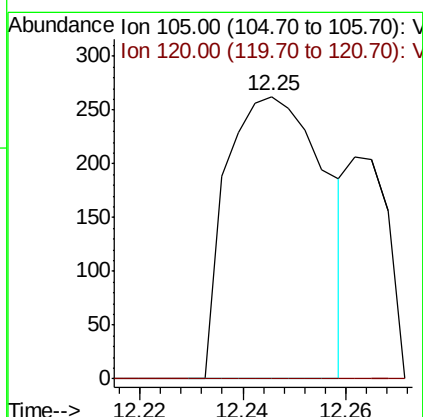
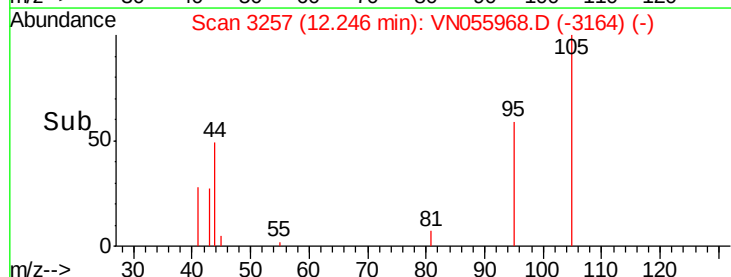
105 100

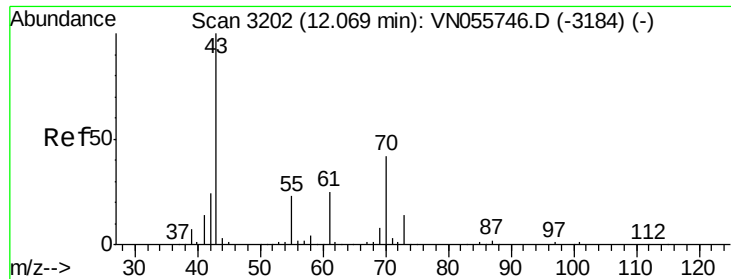
120 0.0 13.6 40.7#



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: 12.10 min Scan# 3211

Delta R.T. 0.03 min

Lab File: VN055968.D

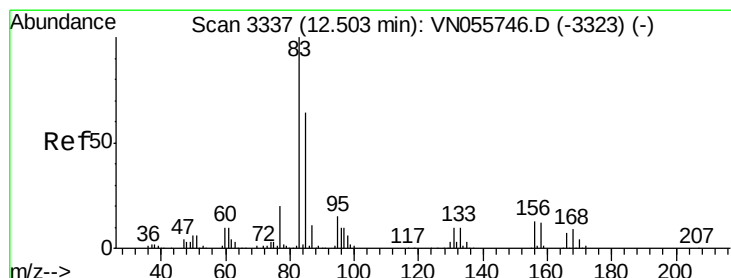
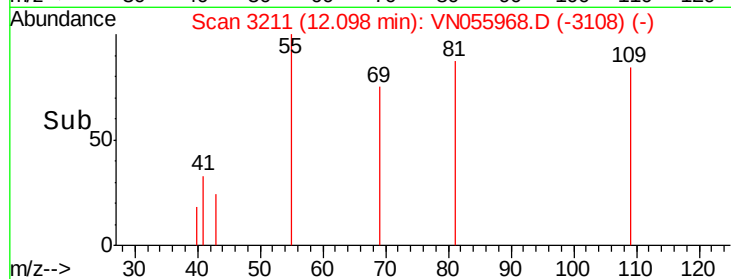
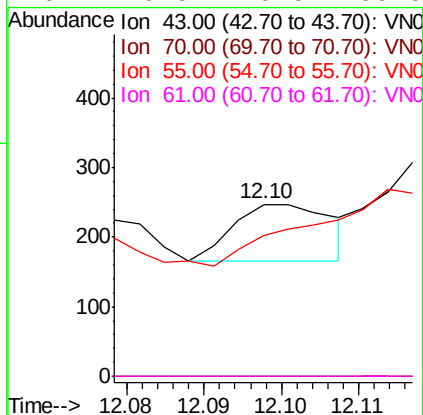
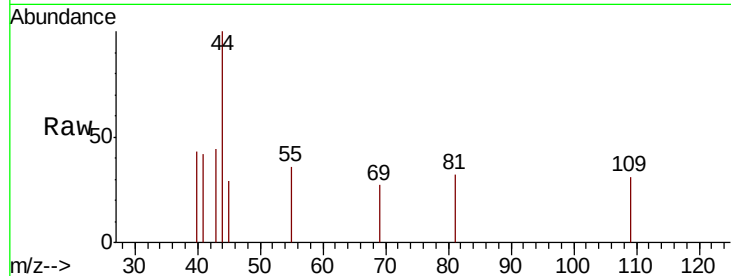
Acq: 3 Jun 2019 18:00

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	43	Resp:	73
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#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

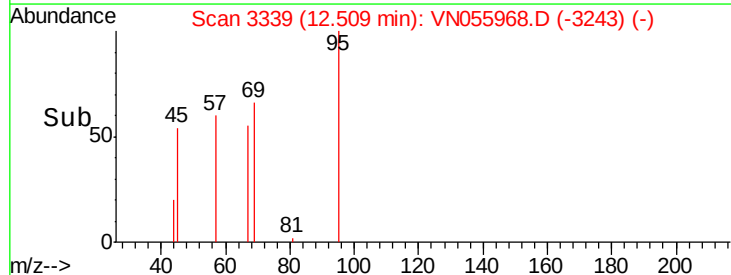
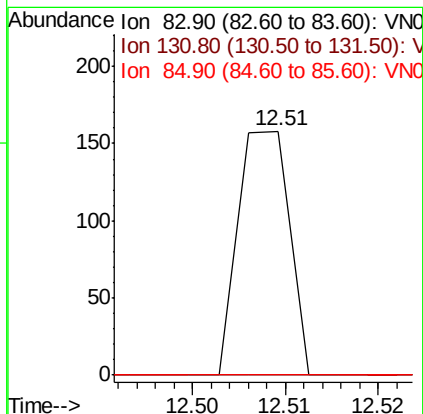
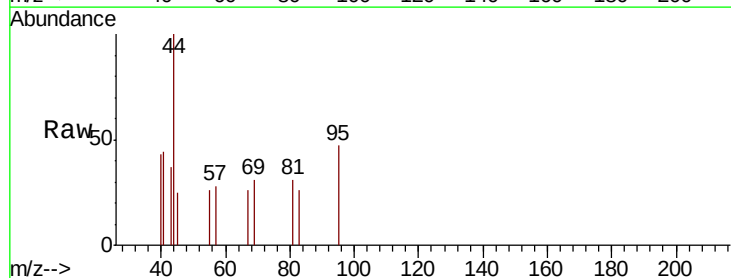
RT: 12.51 min Scan# 3339

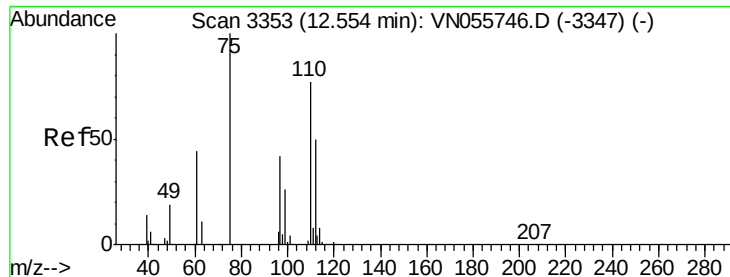
Delta R.T. 0.01 min

Lab File: VN055968.D

Acq: 3 Jun 2019 18:00

Tgt Ion:	83	Resp:	61
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.4	16.2#
85	0.0	32.4	97.0#





#76

1,2,3-Trichloropropane

Concen: 27.586 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055968.D

Acq: 3 Jun 2019 18:00

Instrument :

MSVOA_N

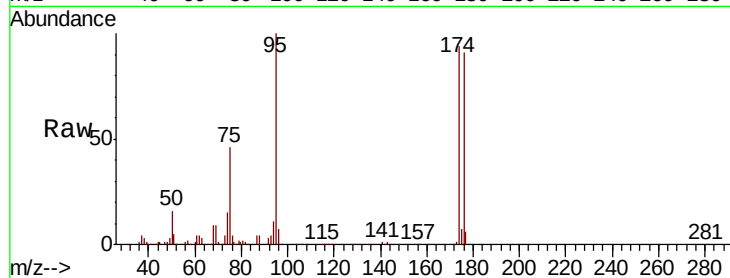
ClientSampleId :

Tot Ion: 75 Resp: 88630

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN055968.D (-3305) (-)

Ion 77.00 (76.70 to 77.70): VN055968.D (-3305) (-)

12.40

50000

40000

30000

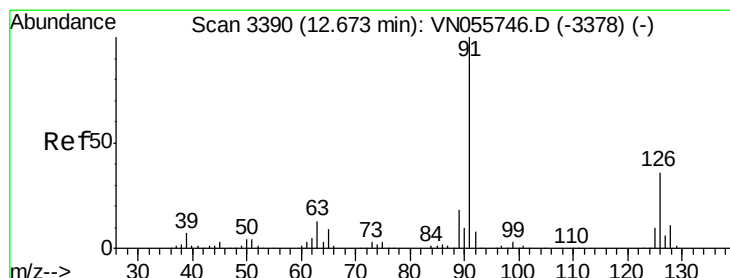
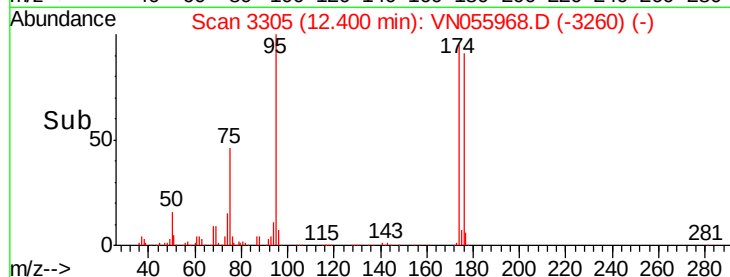
20000

10000

0

12.35 12.40 12.45

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055968.D

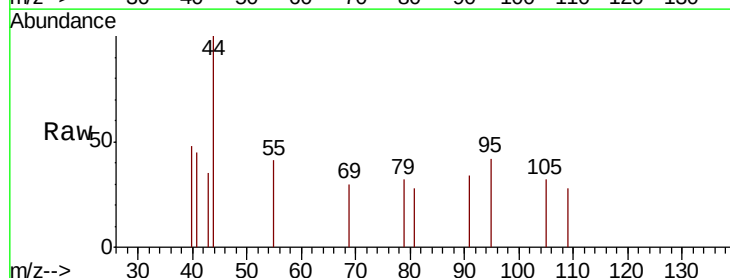
Acq: 3 Jun 2019 18:00

Tgt Ion: 91 Resp: 148

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN055968.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN055968.D (-3390) (-)

12.67

200

150

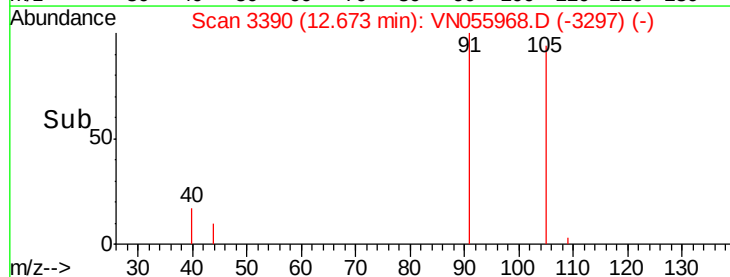
100

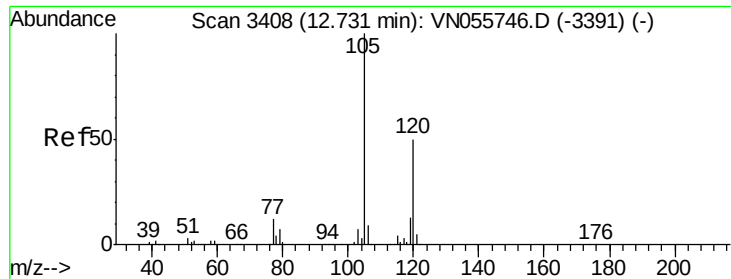
50

0

12.66 12.67 12.68 12.69

Time-->

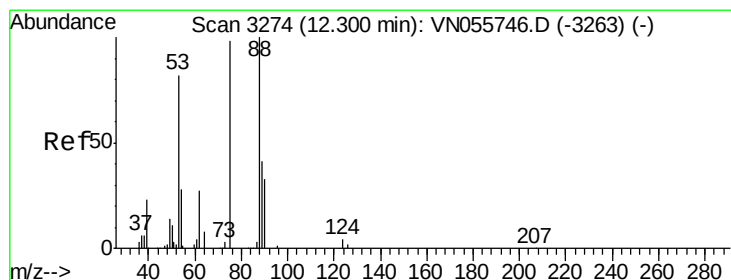
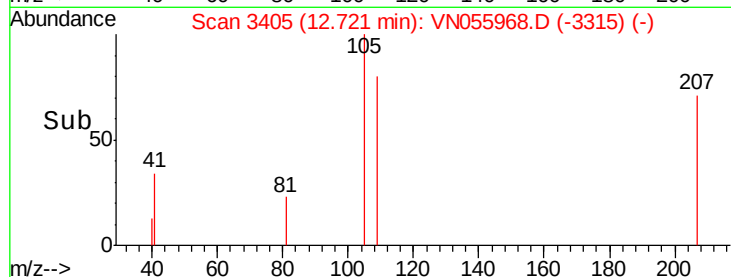
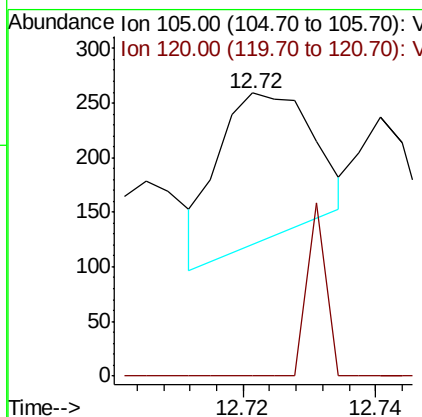
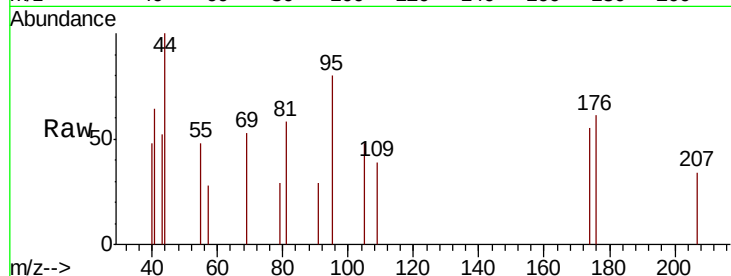




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.72 min Scan# 3405
 Delta R.T. -0.01 min
 Lab File: VN055968.D
 Acq: 3 Jun 2019 18:00

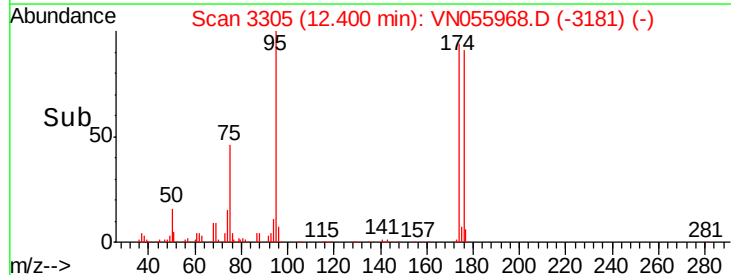
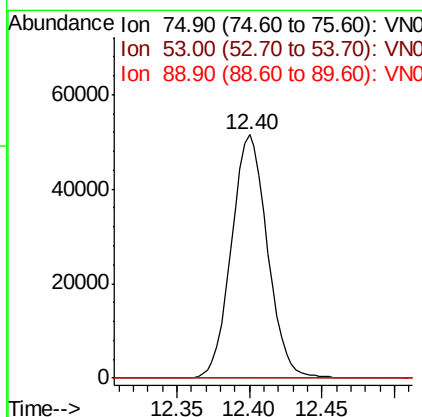
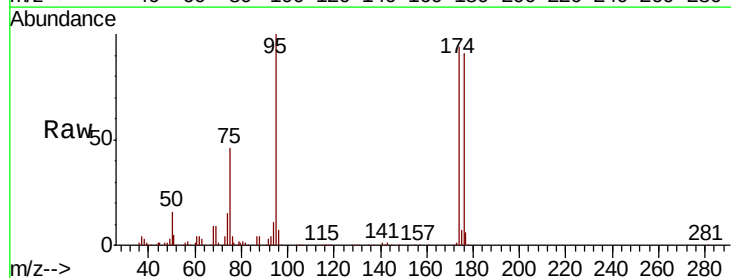
Instrument :
 MSVOA_N
 ClientSampleId :

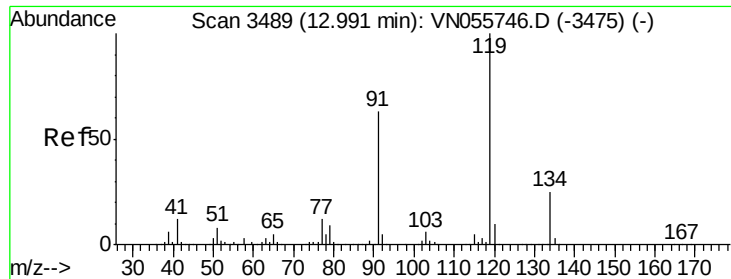
Tot Ion: 105 Resp: 136
 Ion Ratio Lower Upper
 105 100
 120 22.1 24.7 74.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.182 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055968.D
 Acq: 3 Jun 2019 18:00

Tgt Ion: 75 Resp: 88630
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.1 102.1#
 89 0.0 36.9 55.3#

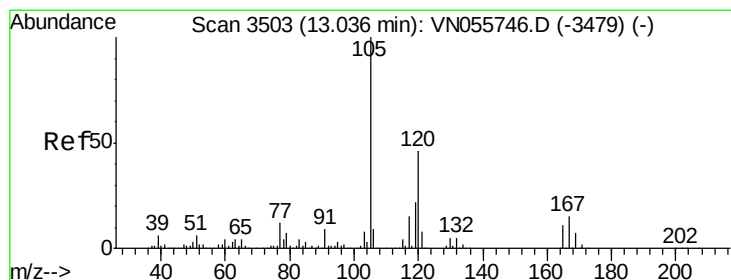
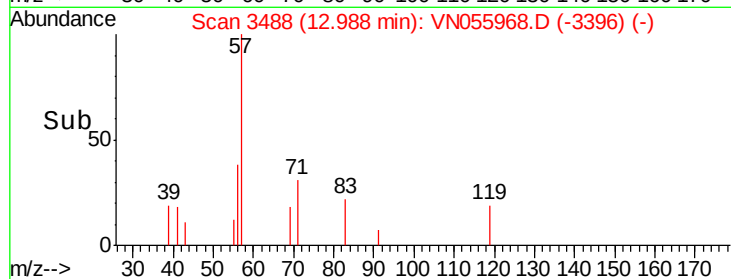
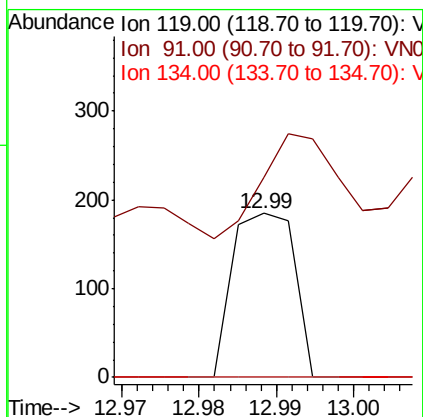
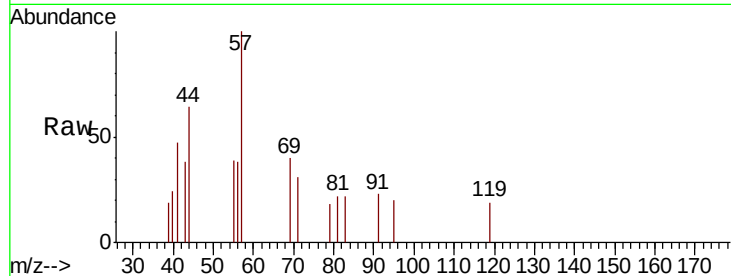




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN055968.D
 Acq: 3 Jun 2019 18:00

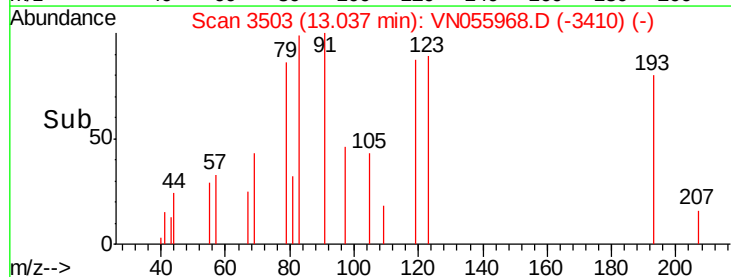
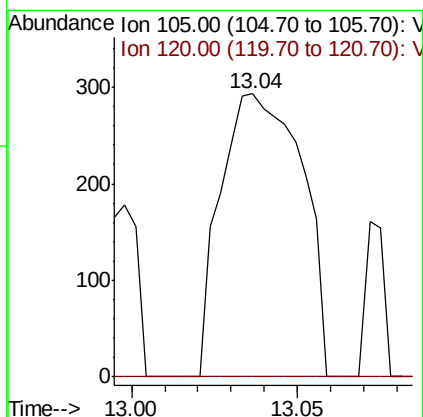
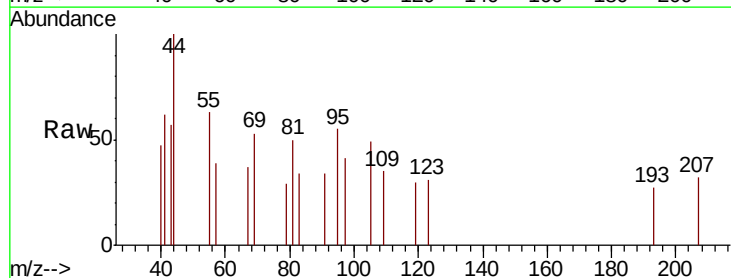
Instrument :
 MSVOA_N
 ClientSampled :

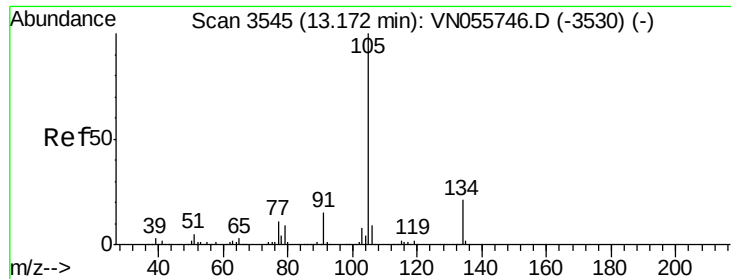
Tot Ion:119 Resp: 103
 Ion Ratio Lower Upper
 119 100
 91 121.4 30.9 92.8#
 134 0.0 13.3 39.8#



#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055968.D
 Acq: 3 Jun 2019 18:00

Tgt Ion:105 Resp: 501
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.0 69.0#





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055968.D

Acq: 3 Jun 2019 18:00

Instrument :

MSVOA_N

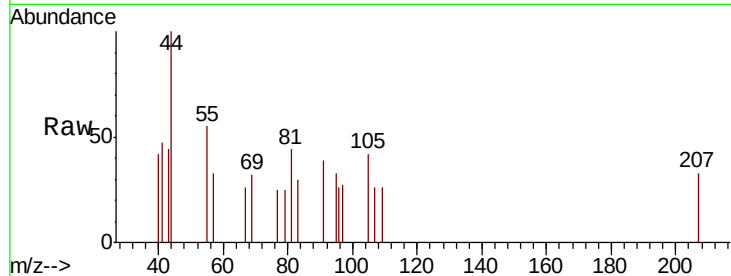
ClientSampled :

Tot Ion:105 Resp: 592

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

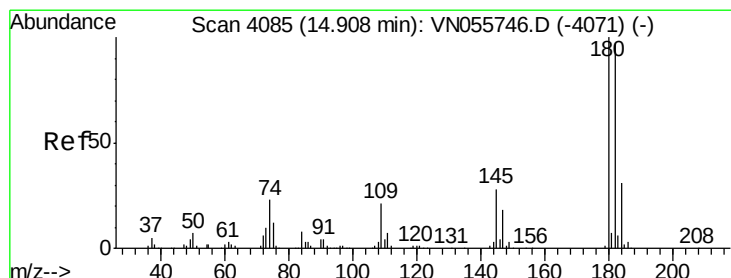
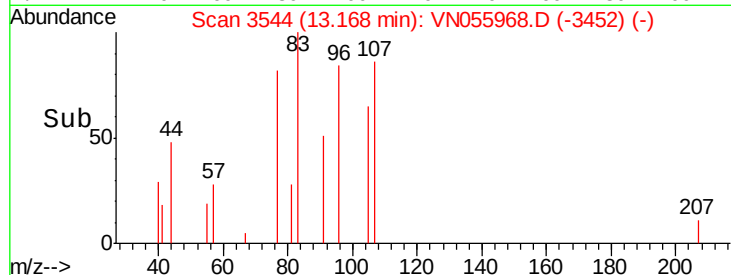
100

0

Time-->

13.15

13.20



#93

1,2,4-Trichlorobenzene

Concen: 3.654 ug/l

RT: 14.90 min Scan# 4083

Delta R.T. -0.01 min

Lab File: VN055968.D

Acq: 3 Jun 2019 18:00

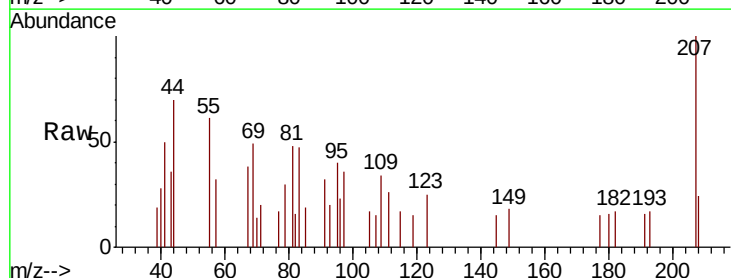
Tgt Ion:180 Resp: 64

Ion Ratio Lower Upper

180 100

182 0.0 48.3 144.9#

145 96.9 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

250

200

150

100

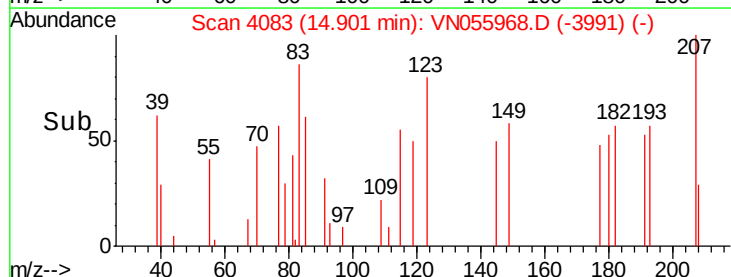
50

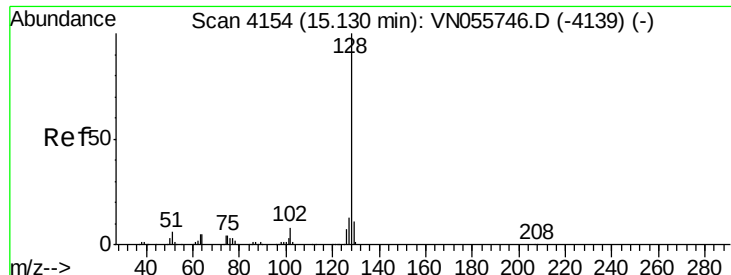
0

Time-->

14.89

14.90





#95

Naphthalene

Concen: 0.281 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

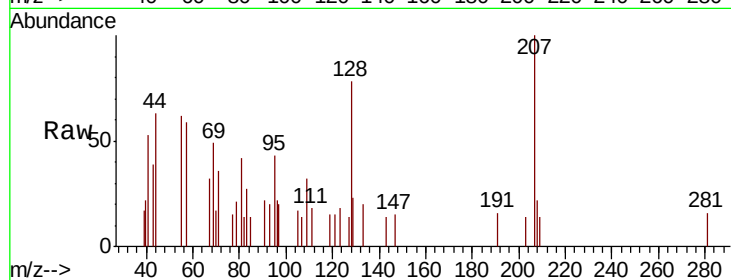
Lab File: VN055968.D

Acq: 3 Jun 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :



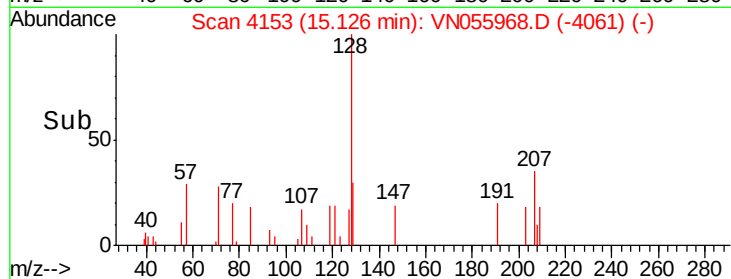
Tot Ion:128 Resp: 2310

Ion Ratio Lower Upper

128 100

127 8.0 10.3 15.5#

129 20.7 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

