

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049691.D
 Acq On : 3 Jul 2018 14:11
 Operator : MD\SY
 Sample : J3811-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Manual Integrations
 APPROVED

sam
 7/5/2018 2:27:55 PM

Quant Time: Jul 05 09:18:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1228119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1956600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1687859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	947401	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	826570	50.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.92%	
35) Dibromofluoromethane	7.59	113	699587	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
50) Toluene-d8	10.09	98	2642270	46.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.30%	
62) 4-Bromofluorobenzene	12.40	95	952361	48.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.44%	
Target Compounds						
					Qvalue	
27) cis-1,2-Dichloroethene	6.83	96	73221	4.415	ug/l	86
44) Trichloroethene	8.84	130	61638	3.041	ug/l	99
52) Toluene	10.16	92	18585	0.458	ug/l	95
64) Tetrachloroethene	10.63	164	20328	0.889	ug/l	99
67) Ethyl Benzene	11.51	91	672807	9.244	ug/l	98
68) m/p-Xylenes	11.62	106	2446203	87.698	ug/l	100
69) o-Xylene	11.95	106	3110068	116.458	ug/l	98
73) Isopropylbenzene	12.25	105	1966606	26.060	ug/l	100
78) n-propylbenzene	12.59	91	5255102	60.760	ug/l	100
80) 1,3,5-Trimethylbenzene	12.72	105	18521706m	295.355	ug/l	
83) tert-Butylbenzene	13.00	119	493103	9.154	ug/l	97
84) 1,2,4-Trimethylbenzene	13.03	105	24525162m	380.605	ug/l	
85) sec-Butylbenzene	13.17	105	2069416	28.994	ug/l #	77
86) p-Isopropyltoluene	13.29	119	2306927	37.316	ug/l	100
89) n-Butylbenzene	13.62	91	530728	10.028	ug/l #	58
95) Naphthalene	15.14	128	1133688	31.125	ug/l	99

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

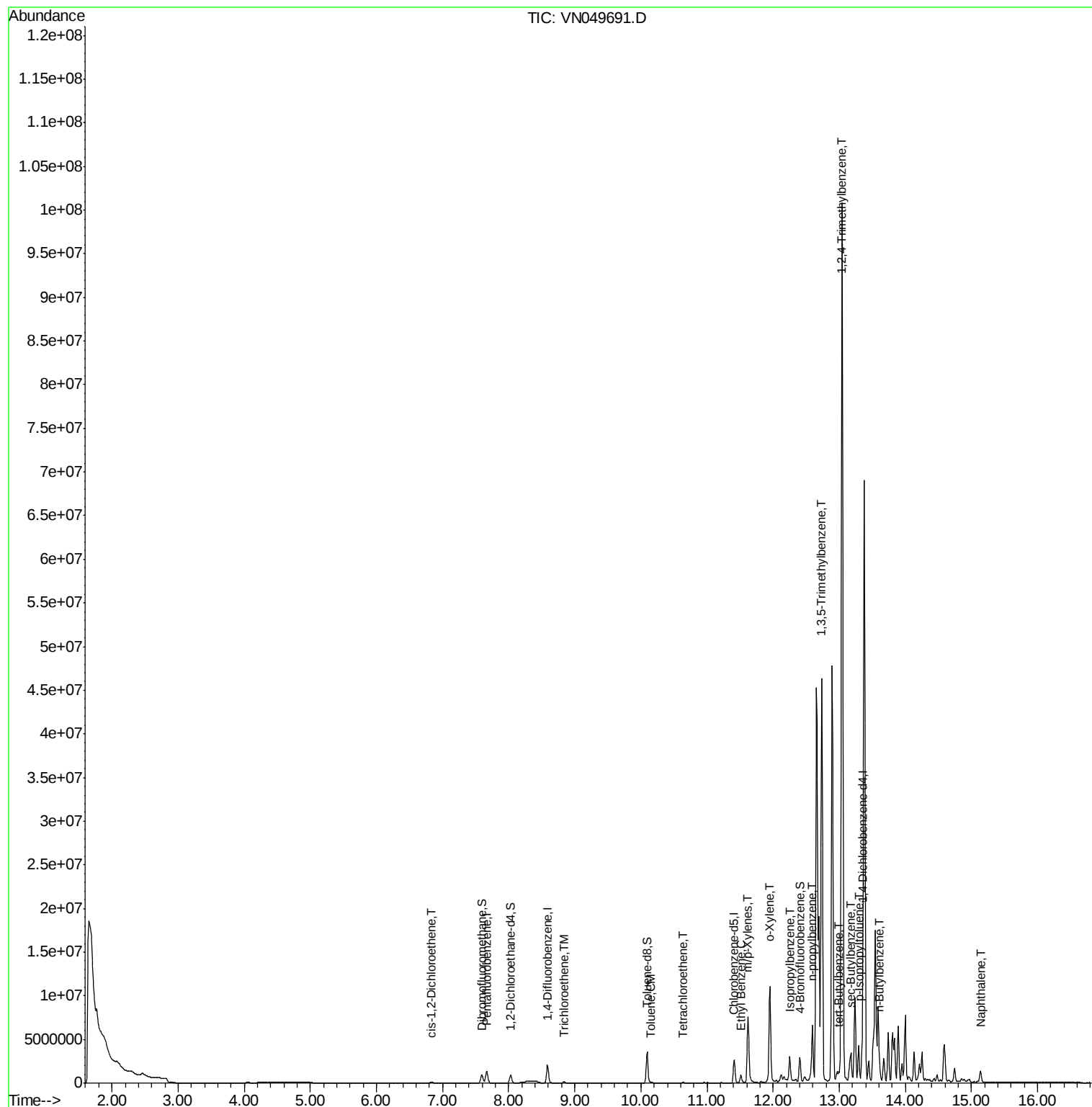
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
Data File : VN049691.D
Acq On : 3 Jul 2018 14:11
Operator : MD\SY
Sample : J3811-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

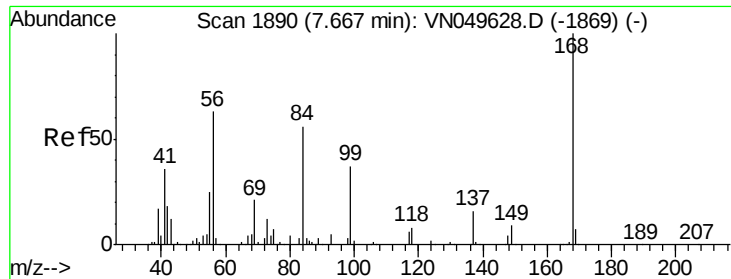
Instrument :
MSVOA_N
ClientSampleId :
MW-6

Manual Integrations
APPROVED

sam
7/5/2018 2:27:55 PM

Quant Time: Jul 05 09:18:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

MW-6

Tot Ion:168 Resp: 1228119

Ion Ratio Lower Upper

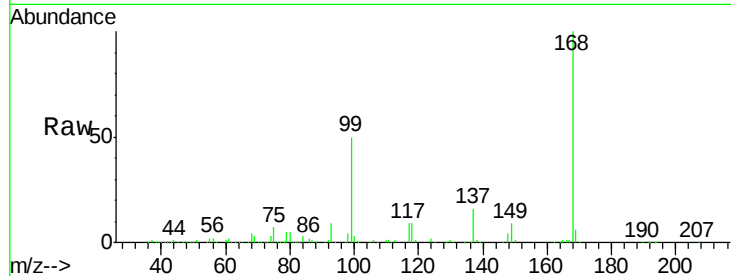
168 100

99 50.5 40.6 61.0

Manual Integrations
APPROVED

sam

7/5/2018 2:27:55 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

600000

500000

400000

300000

200000

100000

0

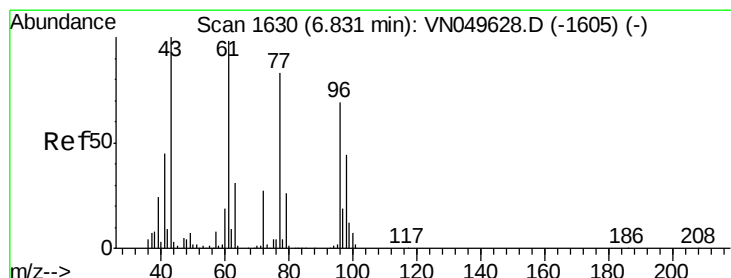
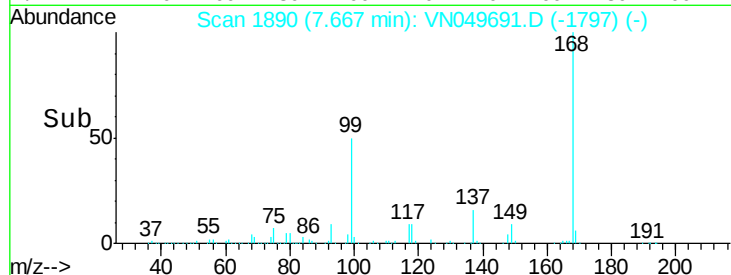
7.67

7.60

7.70

7.80

Time-->



#27

cis-1,2-Dichloroethene

Concen: 4.415 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

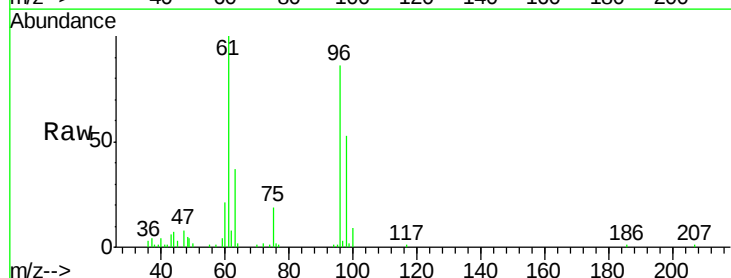
Tgt Ion: 96 Resp: 73221

Ion Ratio Lower Upper

96 100

61 121.3 0.0 289.0

98 63.0 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

40000

30000

20000

10000

0

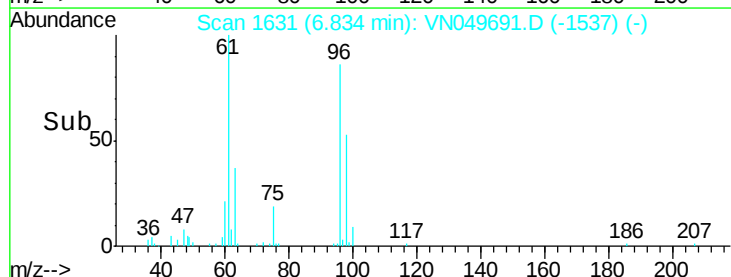
6.83

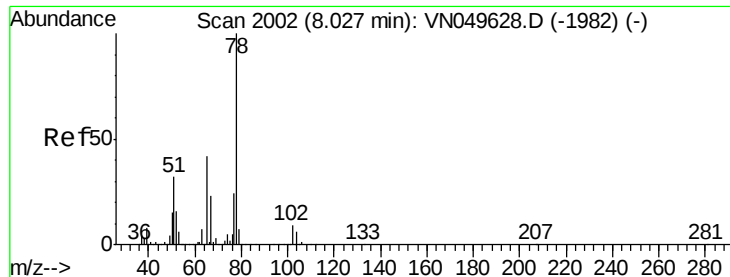
6.70

6.80

6.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.965 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

MW-6

Tot Ion: 65 Resp: 826570

Ion Ratio Lower Upper

65 100

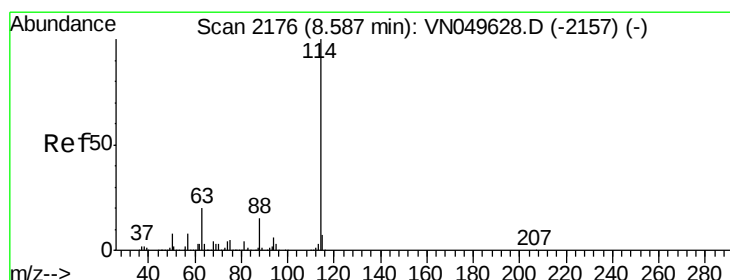
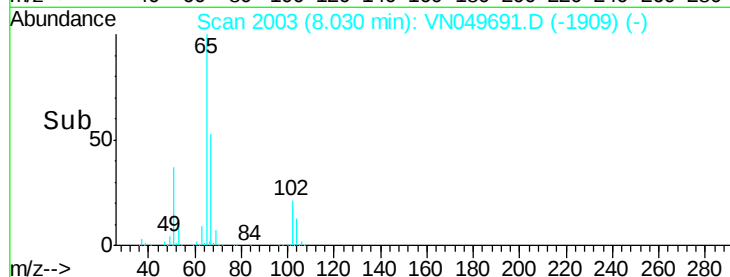
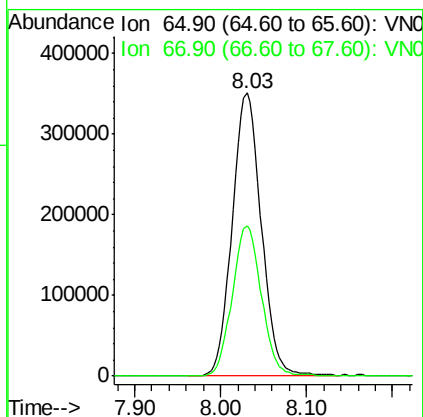
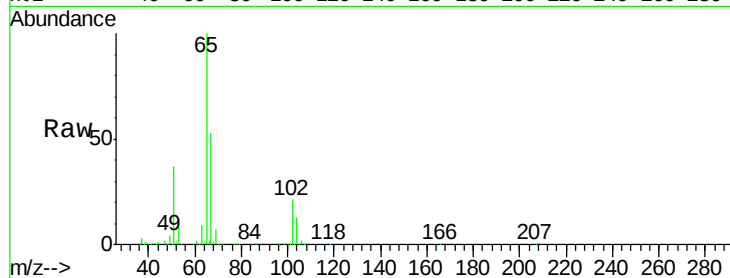
67 53.2 0.0 107.2

Manual Integrations

APPROVED

sam

7/5/2018 2:27:55 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

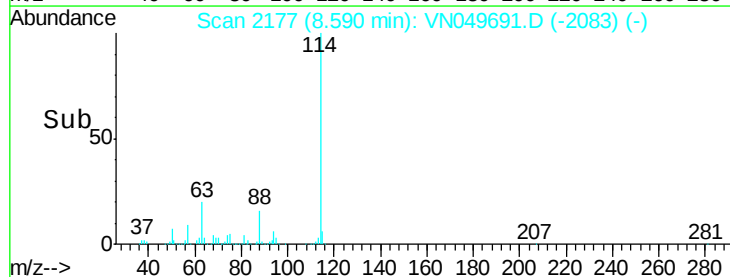
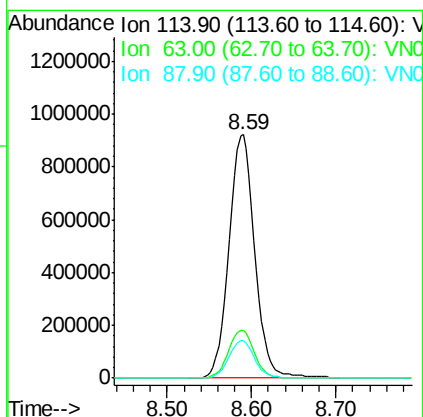
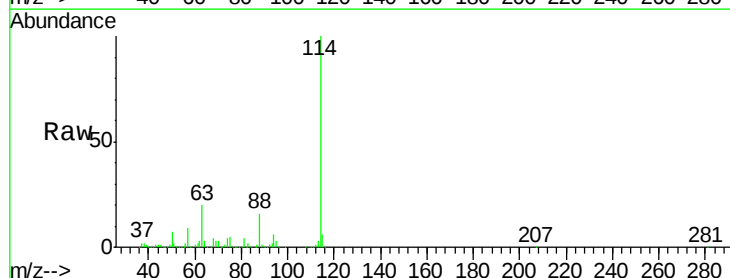
Tgt Ion: 114 Resp: 1956600

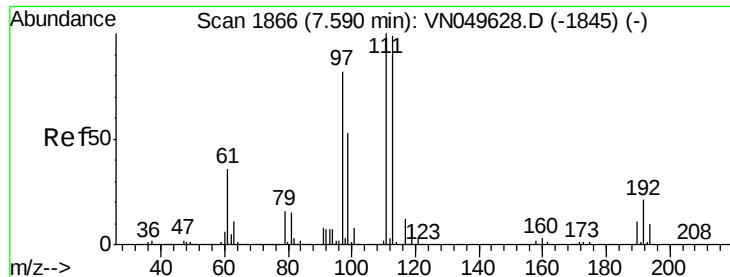
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

88 15.5 0.0 30.6





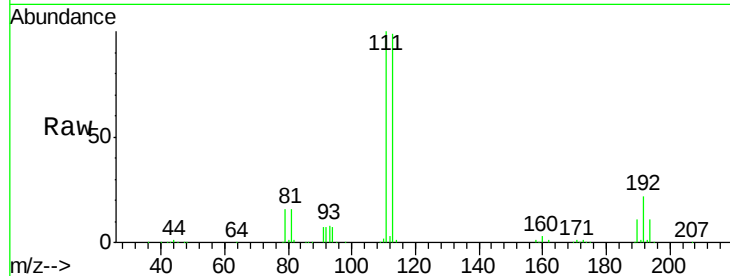
#35
Dibromofluoromethane
Concen: 47.826 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :
MW-6

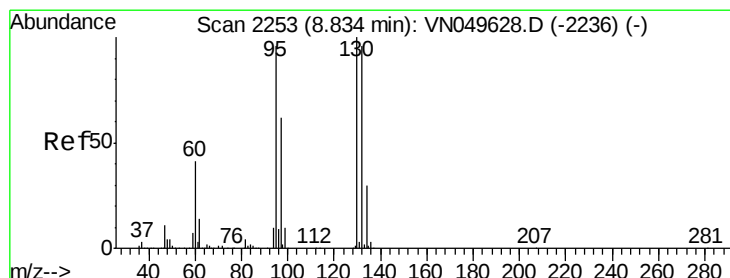
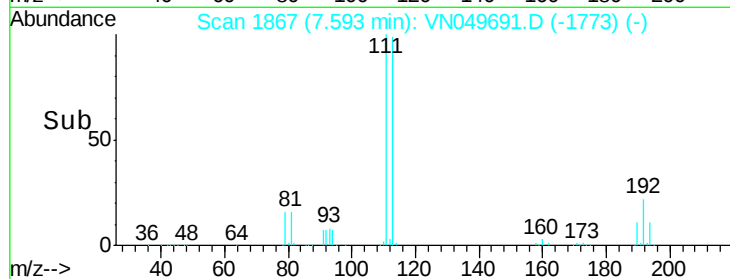
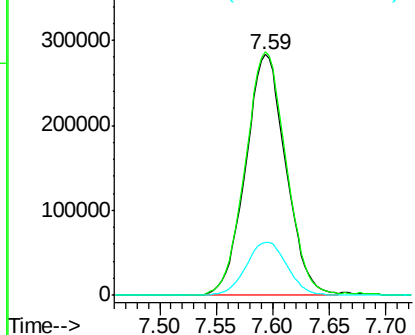
Tot Ion	Ratio	Resp	Lower	Upper
113	100	699587		
111	102.6	81.8	122.8	
192	22.7	17.8	26.6	

Manual Integrations
APPROVED

sam
7/5/2018 2:27:55 PM

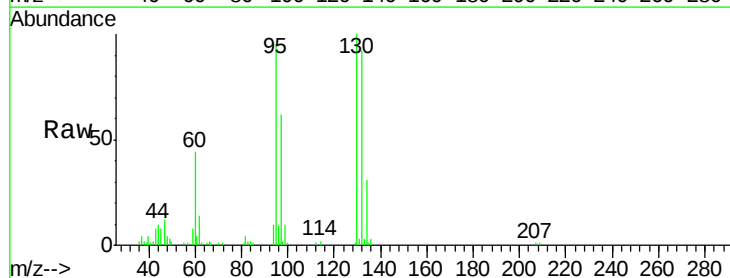


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

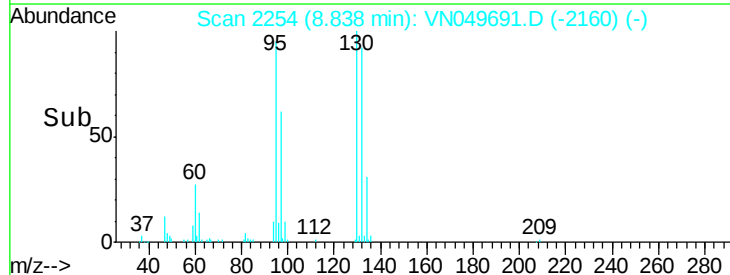
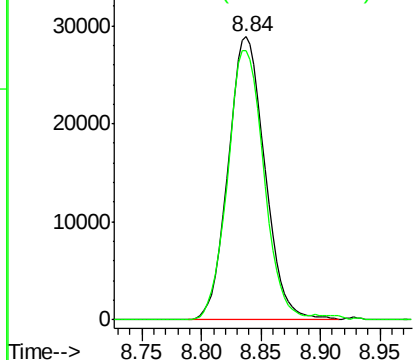


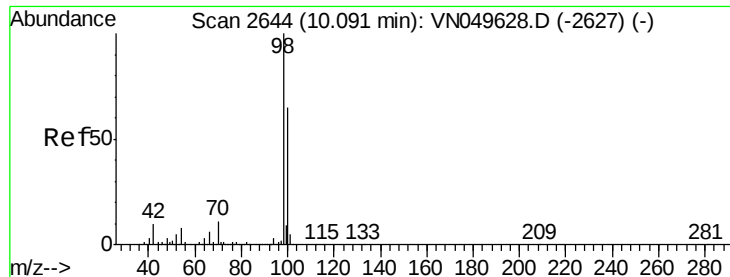
#44
Trichloroethene
Concen: 3.041 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	61638		
95	95.2	0.0	192.8	



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





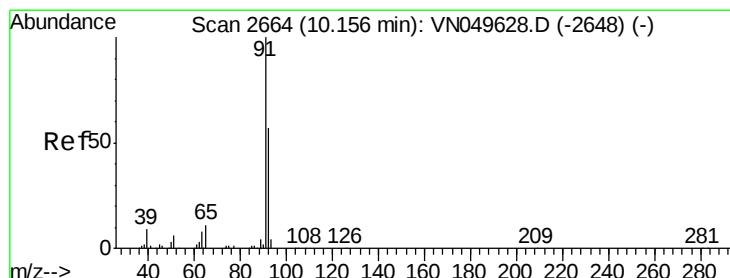
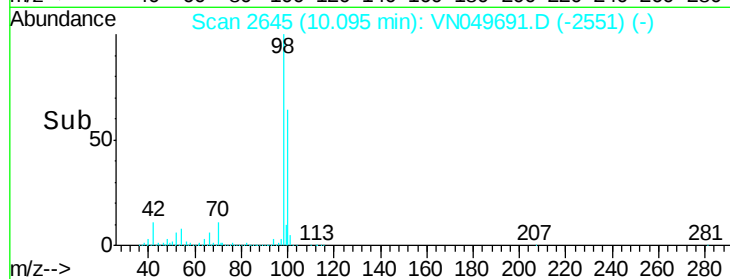
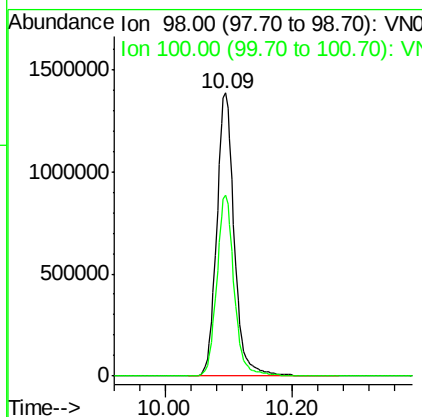
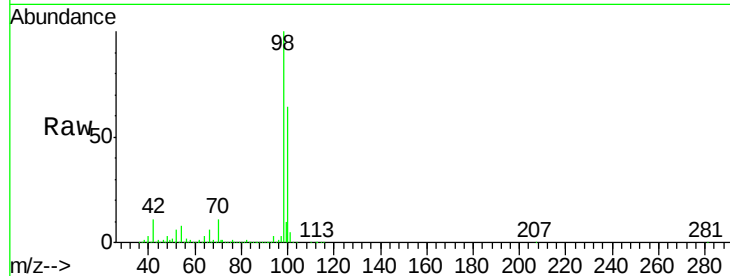
#50
Toluene-d8
Concen: 46.149 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampled :
MW-6

Tot Ion: 98 Resp: 2642270
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5

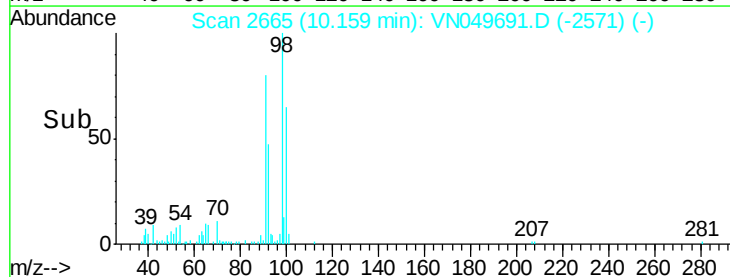
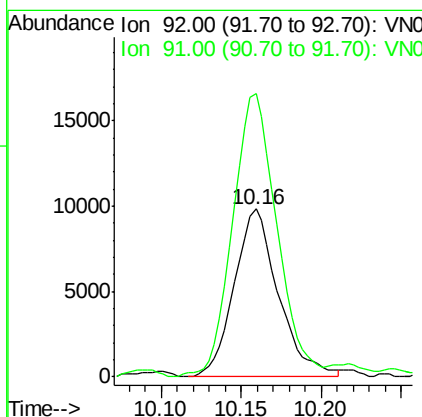
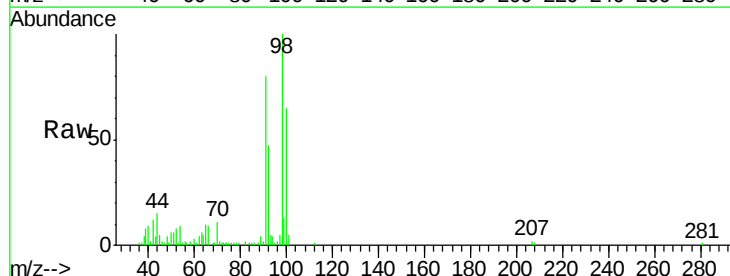
Manual Integrations
APPROVED

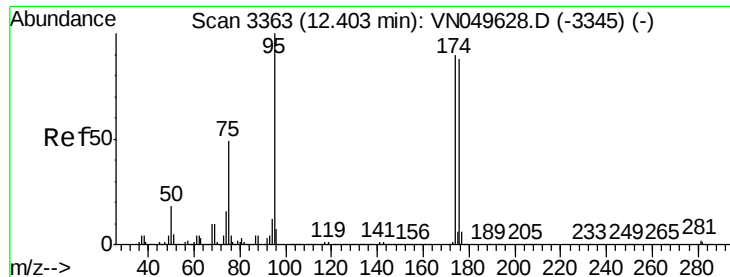
sam
7/5/2018 2:27:55 PM



#52
Toluene
Concen: 0.458 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Tgt Ion: 92 Resp: 18585
Ion Ratio Lower Upper
92 100
91 167.9 140.1 210.1





#62

4-Bromofluorobenzene

Concen: 48.719 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

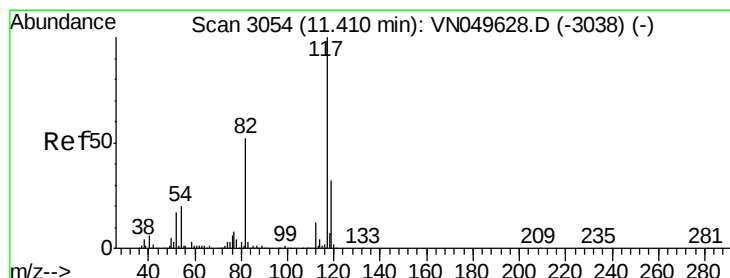
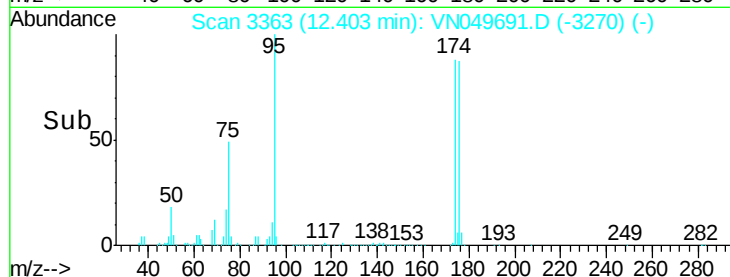
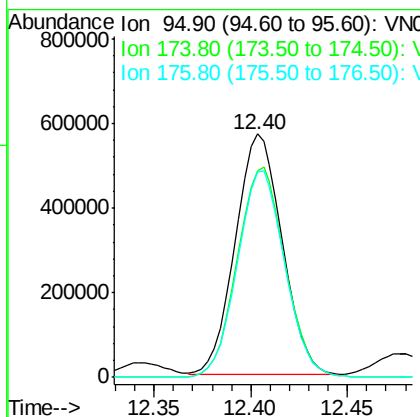
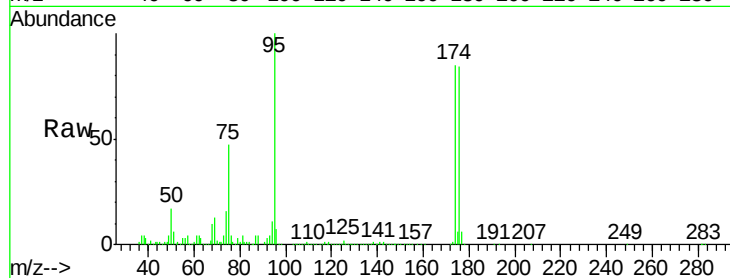
ClientSampled :

MW-6

Tot Ion:	95	Resp:	952361
Ion Ratio	Lower	Upper	
95	100		
174	89.8	0.0	179.6
176	87.5	0.0	174.0

Manual Integrations
APPROVED

sam
7/5/2018 2:27:55 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

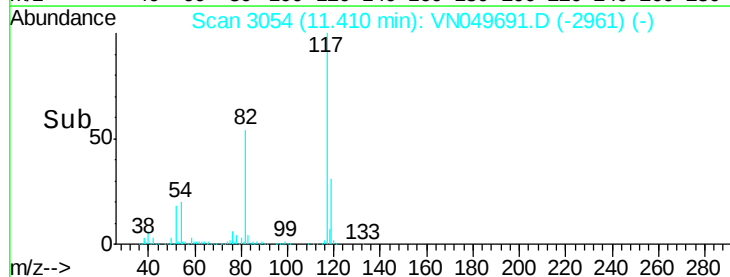
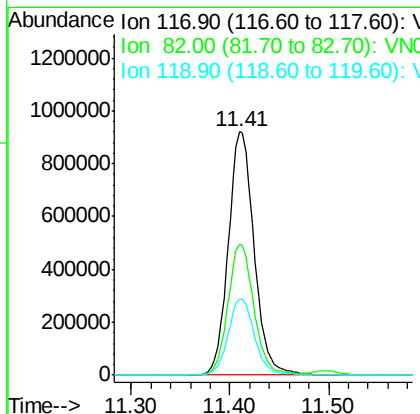
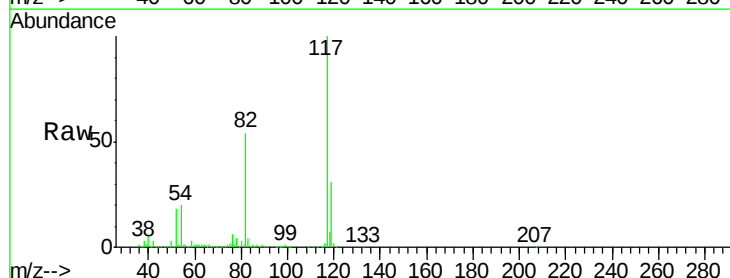
RT: 11.41 min Scan# 3054

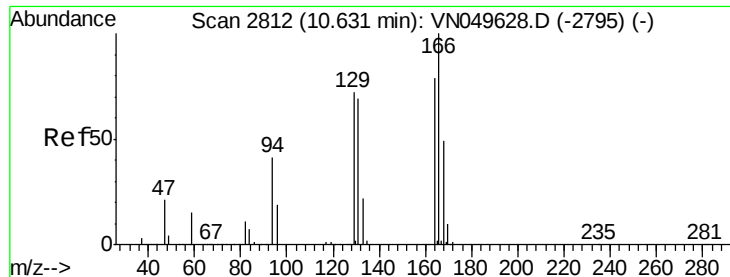
Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Tgt Ion:	117	Resp:	1687859
Ion Ratio	Lower	Upper	
117	100		
82	54.0	41.9	62.9
119	31.3	25.4	38.2





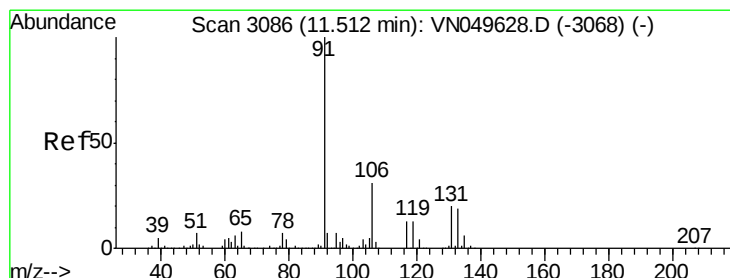
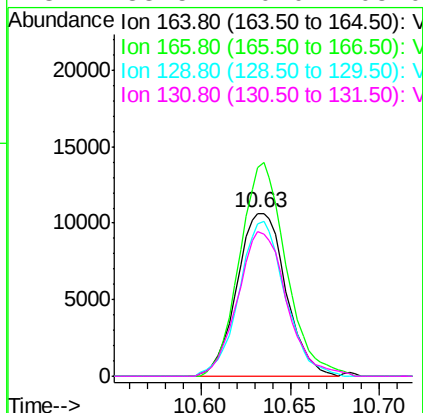
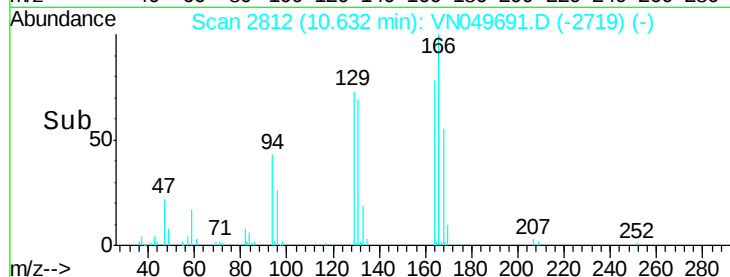
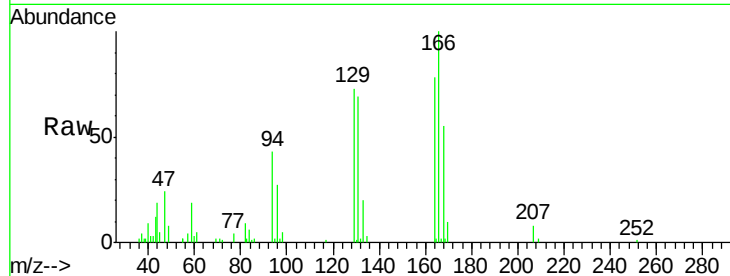
#64
Tetrachloroethene
Concen: 0.889 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampled :
MW-6

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.8	101.8	152.6
129	93.6	72.8	109.2
131	88.5	70.0	105.0

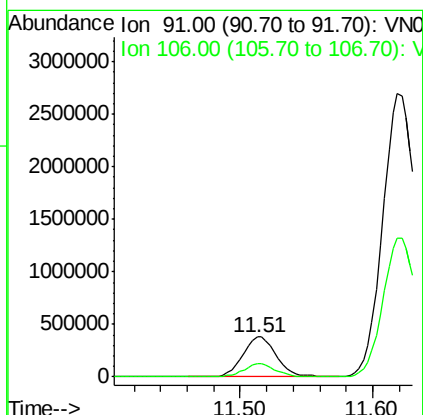
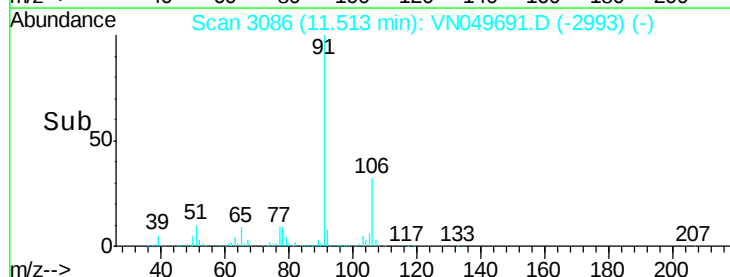
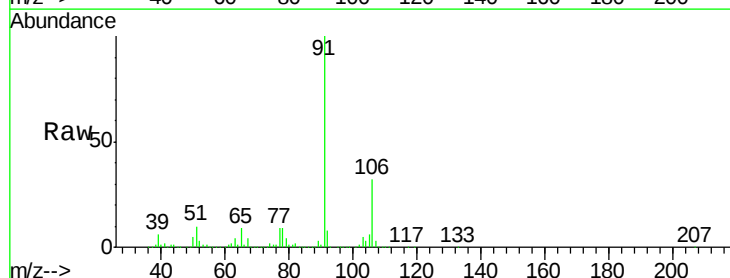
Manual Integrations
APPROVED

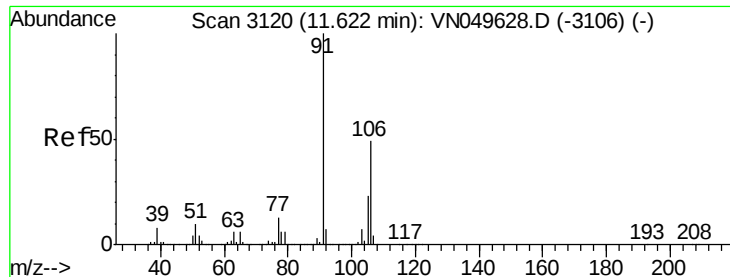
sam
7/5/2018 2:27:55 PM



#67
Ethyl Benzene
Concen: 9.244 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.8	37.2





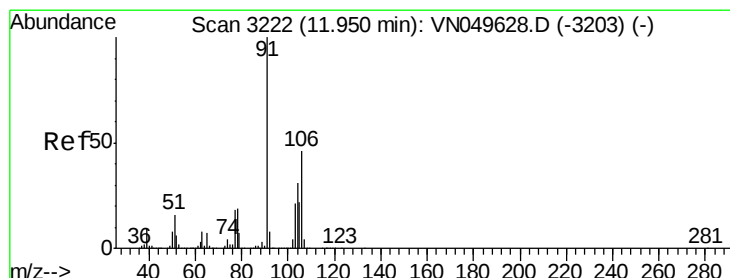
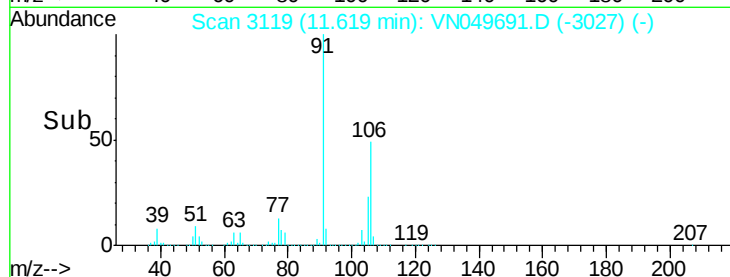
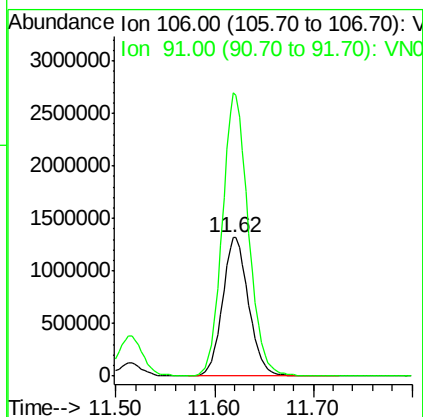
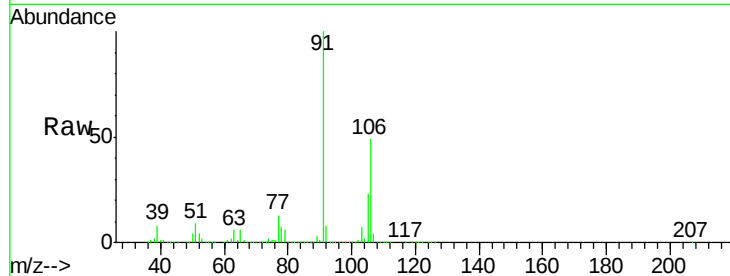
#68
m/p-Xylenes
Concen: 87.698 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampled :
MW-6

Tot Ion:106 Resp: 2446203
Ion Ratio Lower Upper
106 100
91 203.6 163.4 245.2

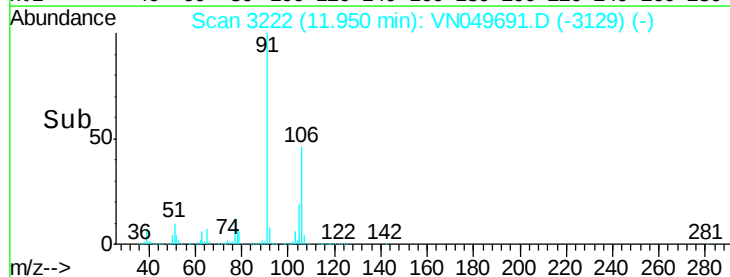
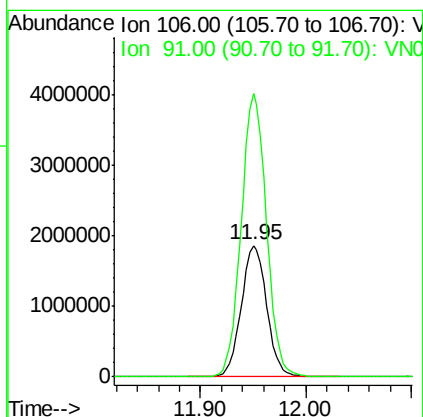
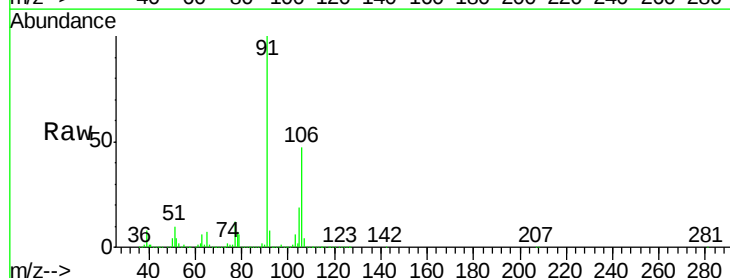
Manual Integrations
APPROVED

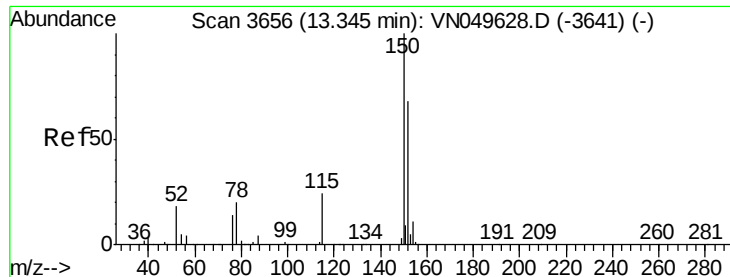
sam
7/5/2018 2:27:55 PM



#69
o-Xylene
Concen: 116.458 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Tgt Ion:106 Resp: 3110068
Ion Ratio Lower Upper
106 100
91 214.8 108.7 326.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

MW-6

Tot Ion:152 Resp: 947401

Ion Ratio Lower Upper

152 100

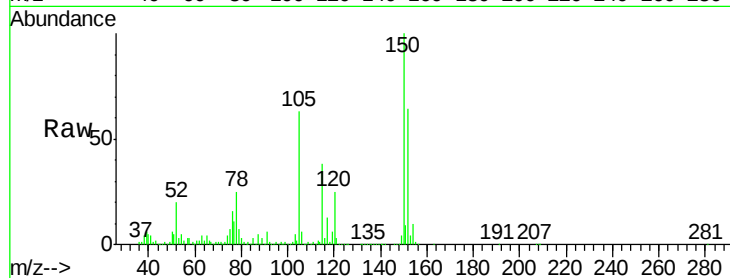
115 0.0 28.1 84.2#

150 156.9 0.0 347.6

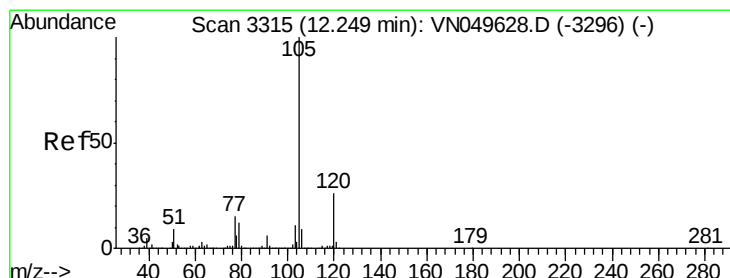
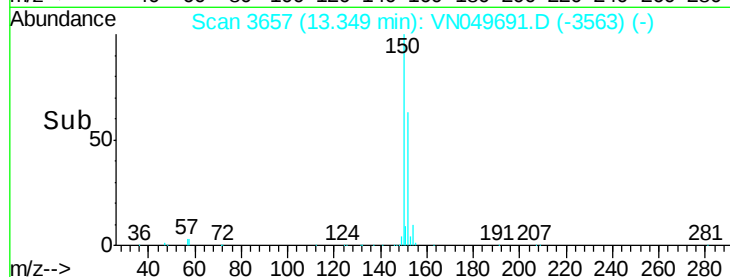
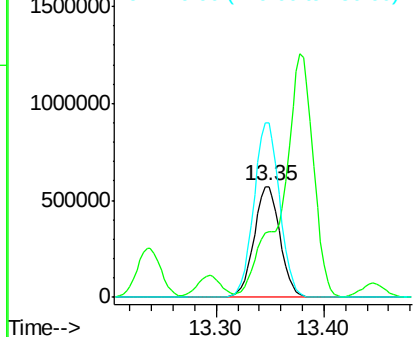
Manual Integrations
APPROVED

sam

7/5/2018 2:27:55 PM



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: 26.060 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049691.D

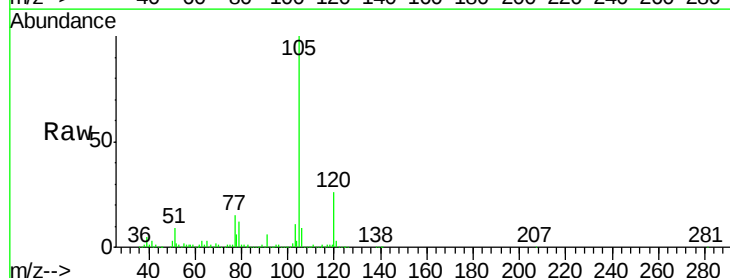
Acq: 3 Jul 2018 14:11

Tgt Ion:105 Resp: 1966606

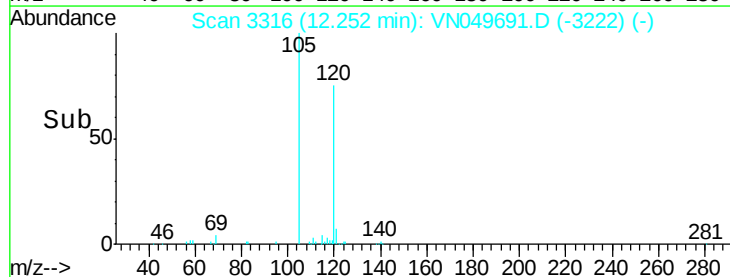
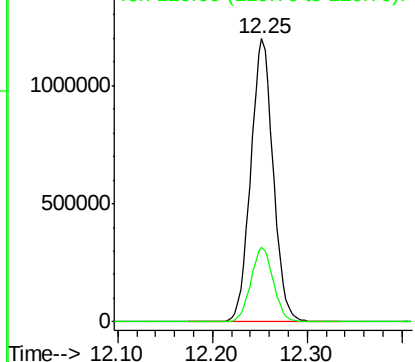
Ion Ratio Lower Upper

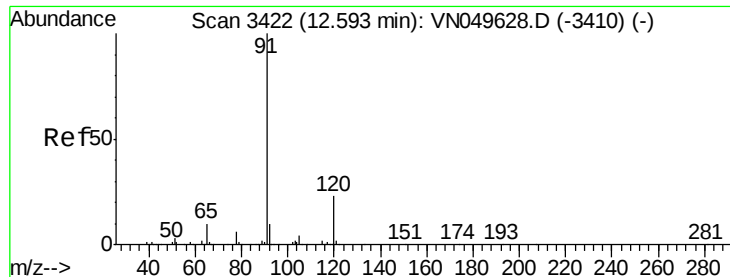
105 100

120 26.5 13.3 39.8



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





#78

n-propylbenzene

Concen: 60.760 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

MW-6

Tot Ion: 91 Resp: 5255102

Ion Ratio Lower Upper

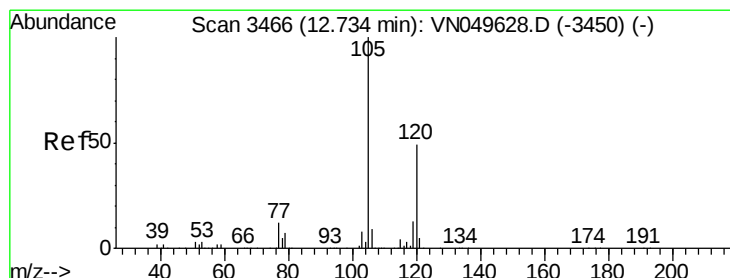
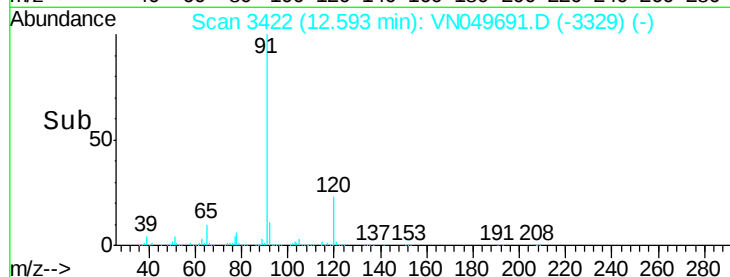
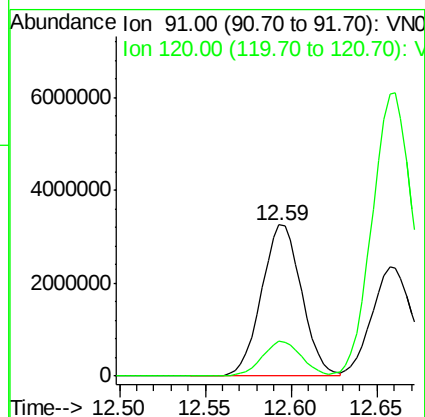
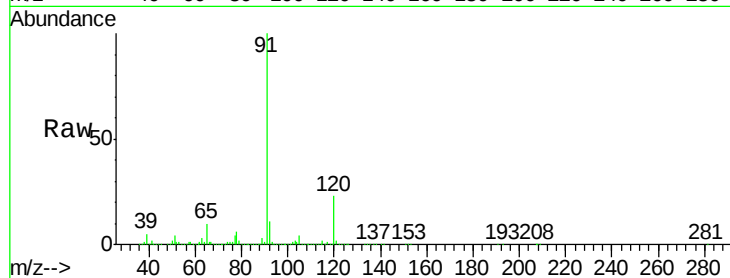
91 100

120 22.9 11.5 34.4

Manual Integrations
APPROVED

sam

7/5/2018 2:27:55 PM



#80

1,3,5-Trimethylbenzene

Concen: 295.355 ug/l m

RT: 12.72 min Scan# 3463

Delta R.T. -0.01 min

Lab File: VN049691.D

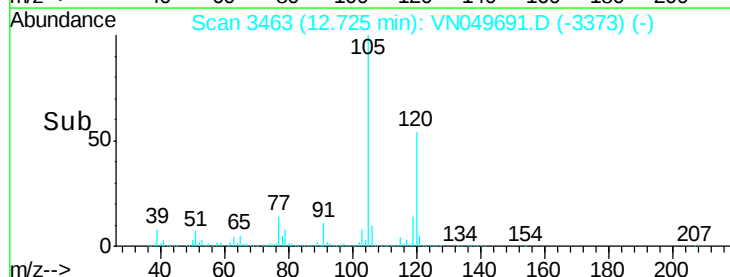
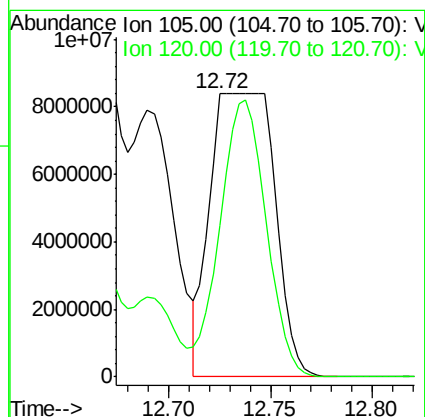
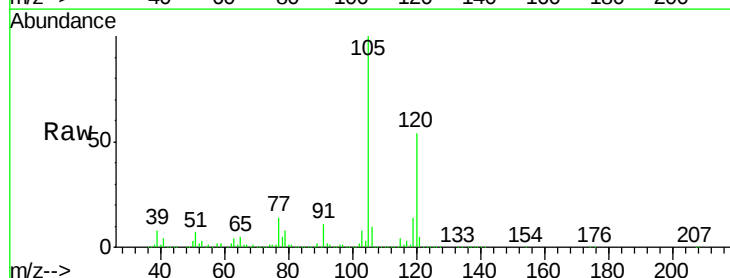
Acq: 3 Jul 2018 14:11

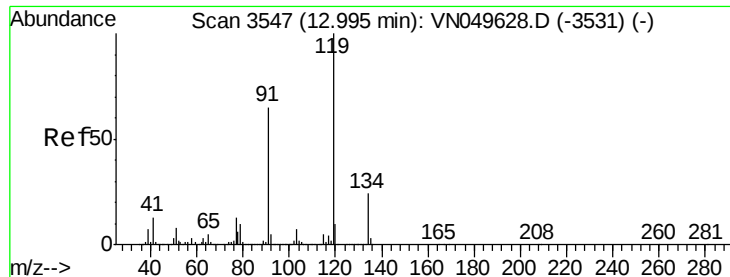
Tgt Ion: 105 Resp: 18521706

Ion Ratio Lower Upper

105 100

120 70.8 24.3 72.8





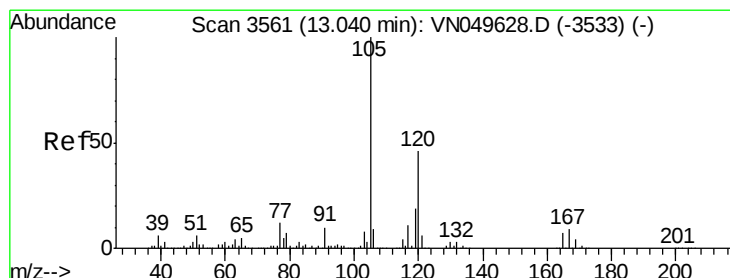
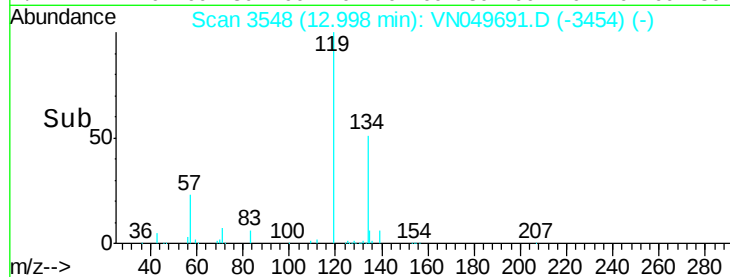
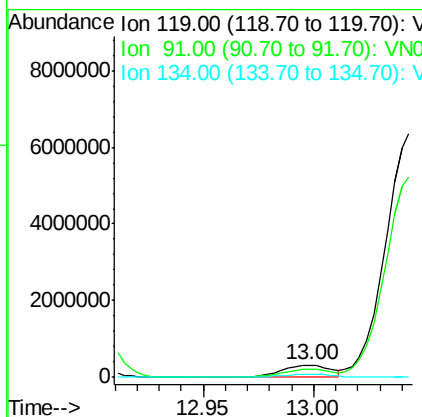
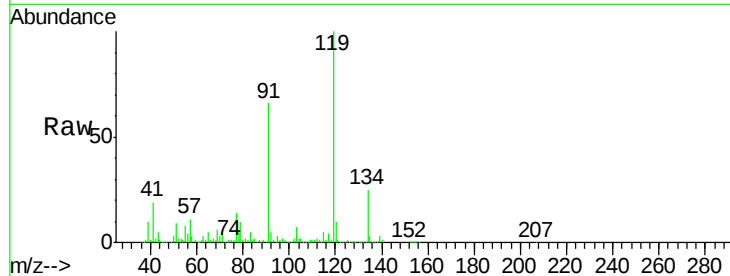
#83
 tert-Butylbenzene
 Concen: 9.154 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN049691.D
 Acq: 3 Jul 2018 14:11

Instrument :
 MSVOA_N
 ClientSampled :
 MW-6

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	32.0	96.2
134	26.6	12.8	38.4

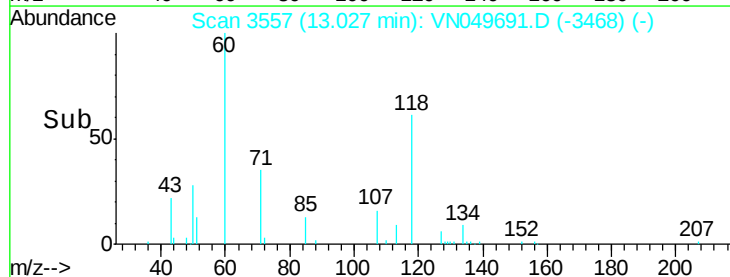
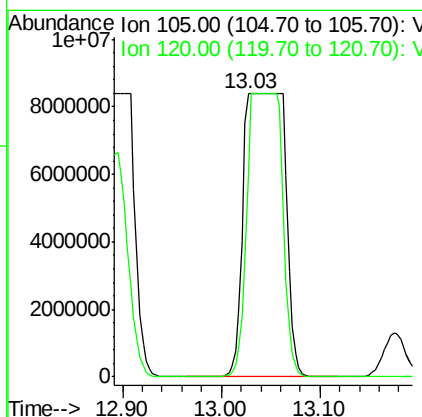
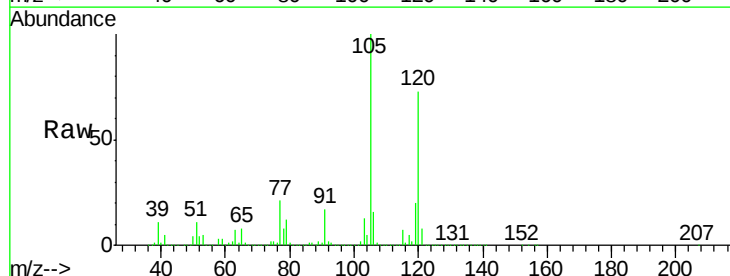
Manual Integrations
 APPROVED

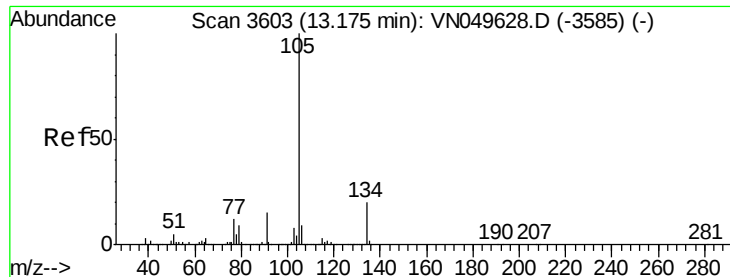
sam
 7/5/2018 2:27:55 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 380.605 ug/l m
 RT: 13.03 min Scan# 3557
 Delta R.T. -0.01 min
 Lab File: VN049691.D
 Acq: 3 Jul 2018 14:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.7	68.1





#85

sec-Butylbenzene

Concen: 28.994 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

MW-6

Tot Ion:105 Resp: 2069416

Ion Ratio Lower Upper

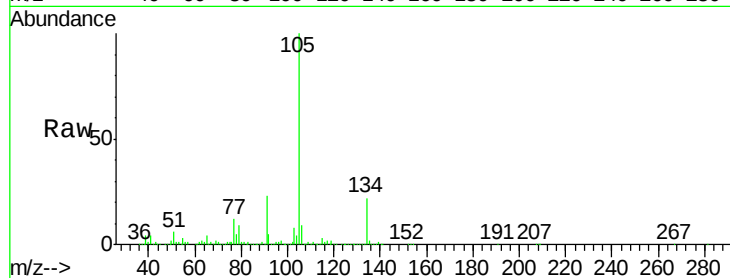
105 100

134 30.9 10.1 30.1#

Manual Integrations
APPROVED

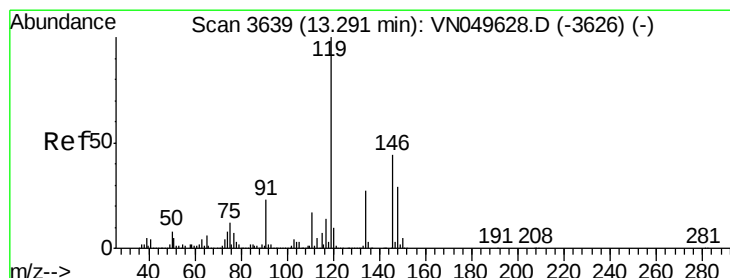
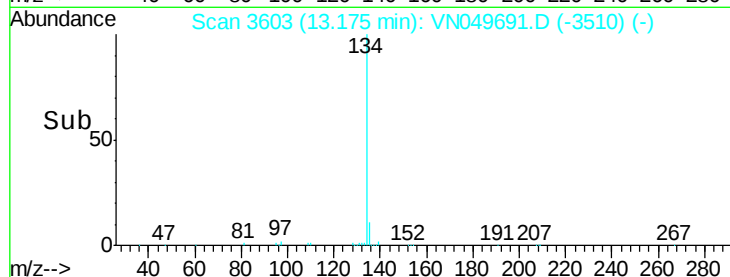
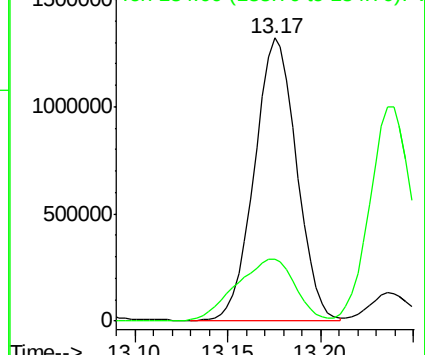
sam

7/5/2018 2:27:55 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 37.316 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049691.D

Acq: 3 Jul 2018 14:11

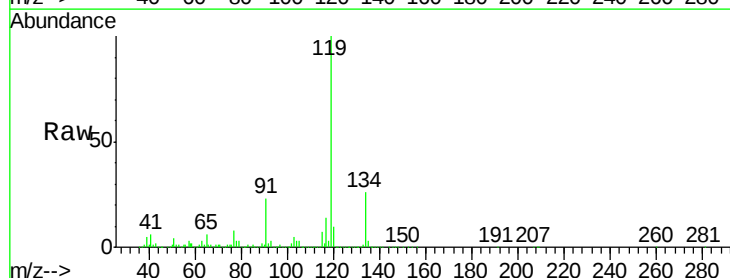
Tgt Ion:119 Resp: 2306927

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

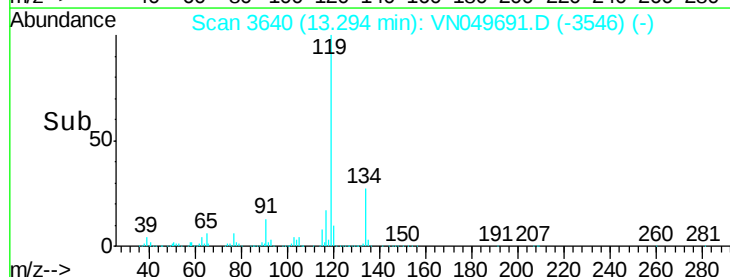
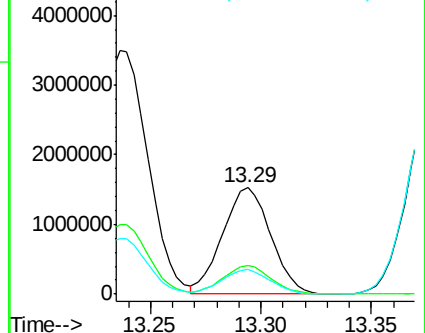
91 22.8 11.4 34.1

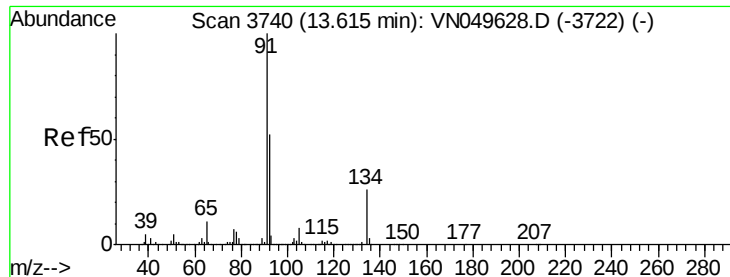


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





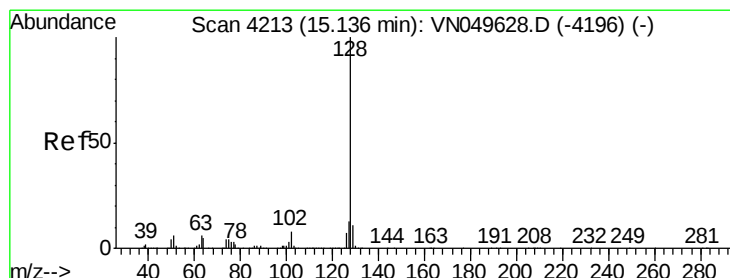
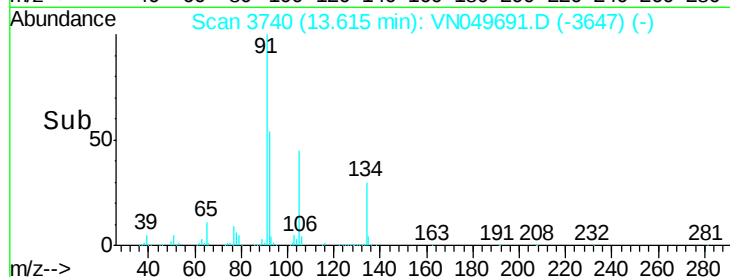
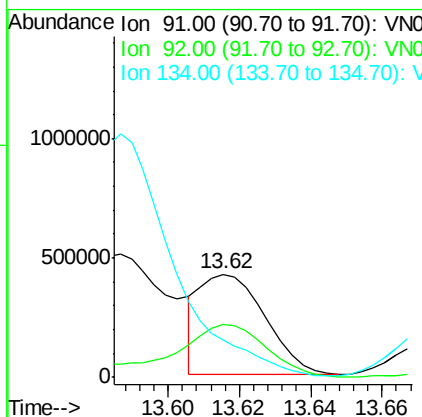
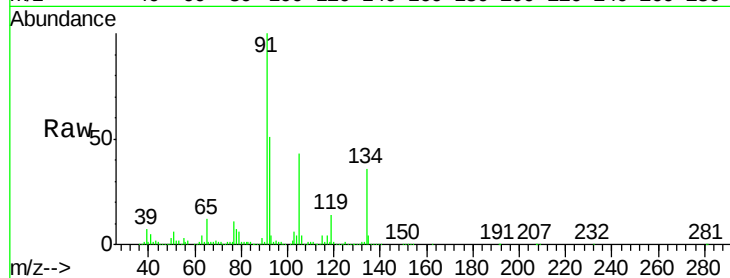
#89
n-Butylbenzene
Concen: 10.028 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampled :
MW-6

Tot Ion	Ratio	Lower	Upper
91	100		
92	77.9	25.8	77.3#
134	0.0	13.0	38.9#

Manual Integrations
APPROVED

sam
7/5/2018 2:27:55 PM



#95
Naphthalene
Concen: 31.125 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049691.D
Acq: 3 Jul 2018 14:11

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.5	8.6	13.0

