

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
 Data File : VN049669.D
 Acq On : 2 Jul 2018 15:09
 Operator : MD\SY
 Sample : J3811-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Manual Integrations
 APPROVED

sam
 7/3/2018 3:51:36 PM

Quant Time: Jul 03 04:28:34 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	1498451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2389062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2002199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	850533	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	990109	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
35) Dibromofluoromethane	7.59	113	867391	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	10.09	98	3260787	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	12.40	95	967362	40.53	ug/l	0.00
Spiked Amount			Recovery	=	81.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	7302	0.35	ug/l	92
68) m/p-Xylenes	11.62	106	37250	1.13	ug/l	90
69) o-Xylene	11.95	106	40255	1.27	ug/l	96
73) Isopropylbenzene	12.25	105	29603	0.44	ug/l	99
78) n-propylbenzene	12.59	91	83849	1.08	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	390782	6.94	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1301414	22.50	ug/l	99
85) sec-Butylbenzene	13.17	105	28290m	0.44	ug/l	
86) p-Isopropyltoluene	13.29	119	27572	0.50	ug/l	96

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

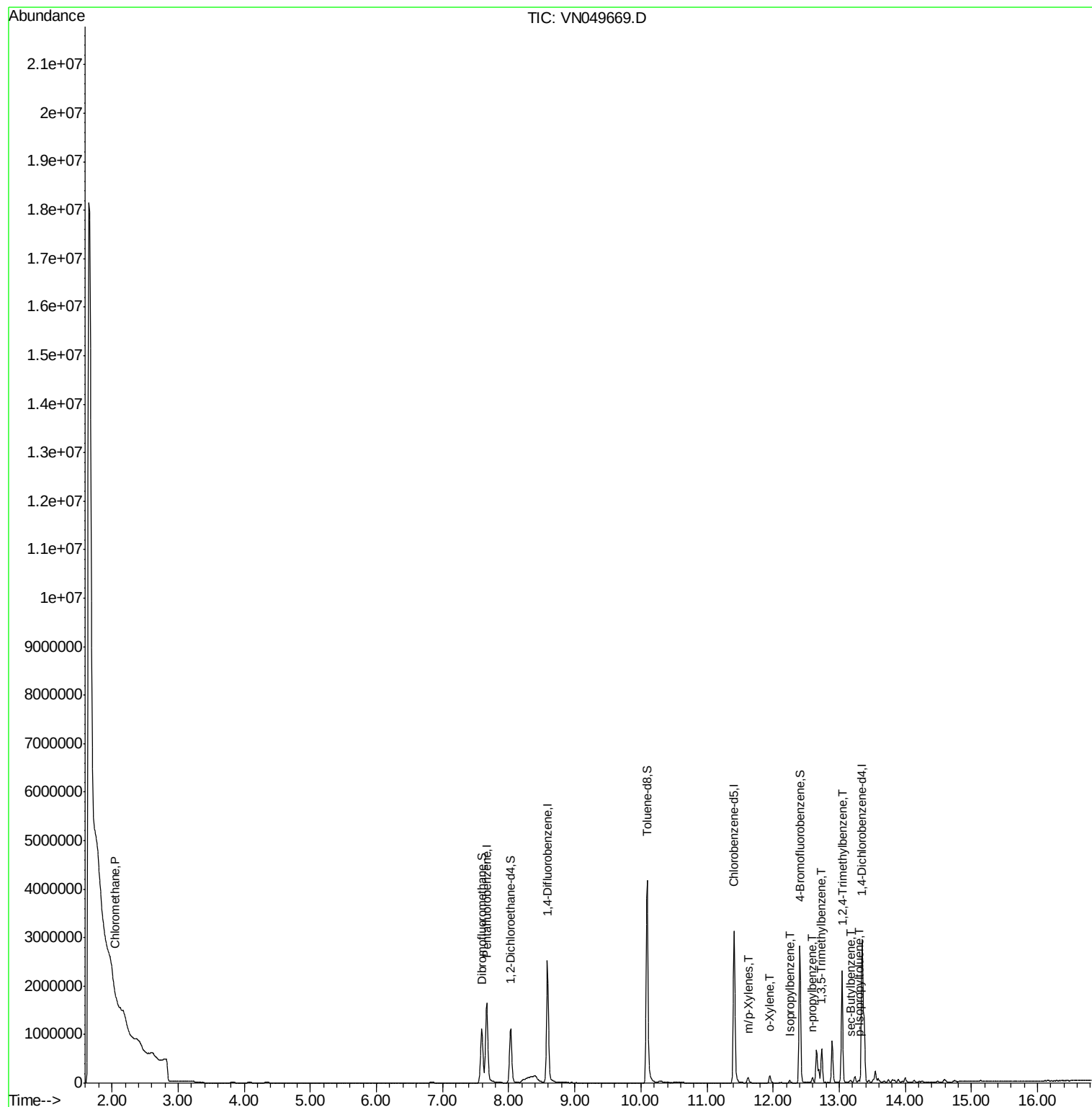
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
Data File : VN049669.D
Acq On : 2 Jul 2018 15:09
Operator : MD\SY
Sample : J3811-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

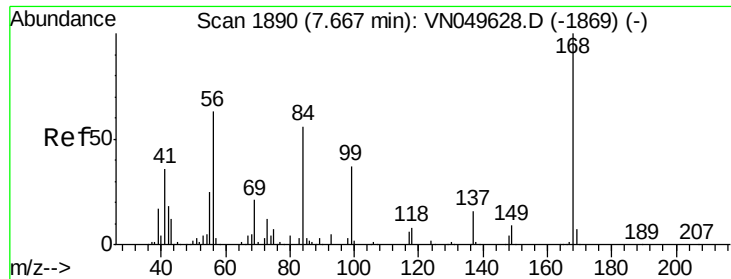
Instrument :
MSVOA_N
ClientSampleId :
MW-5

Manual Integrations
APPROVED

sam
7/3/2018 3:51:36 PM

Quant Time: Jul 03 04:28:34 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: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

MW-5

Tot Ion:168 Resp: 1498451

Ion Ratio Lower Upper

168 100

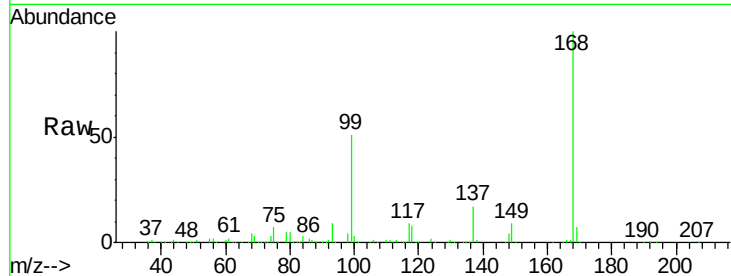
99 51.0 40.6 61.0

Manual Integrations

APPROVED

sam

7/3/2018 3:51:36 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

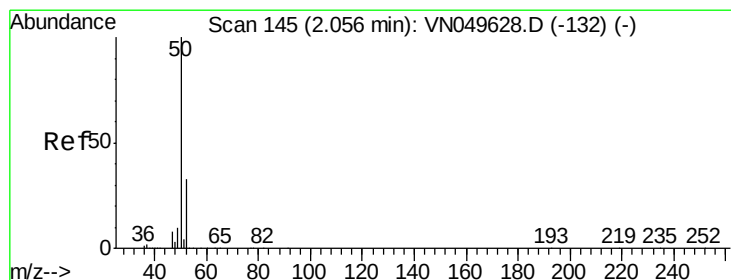
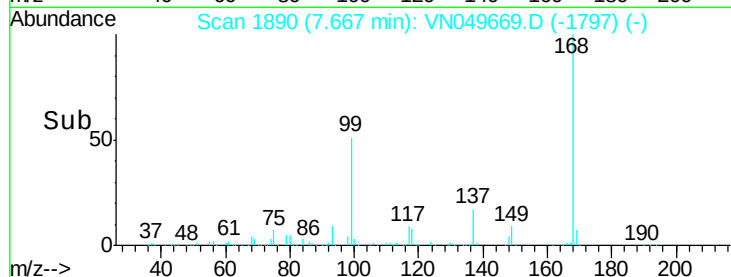
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.35 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049669.D

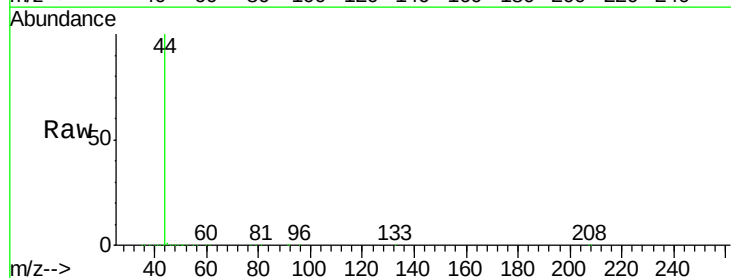
Acq: 2 Jul 2018 15:09

Tgt Ion: 50 Resp: 7302

Ion Ratio Lower Upper

50 100

52 37.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

6000

5000

4000

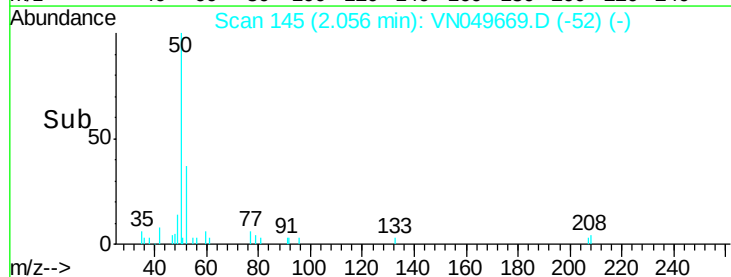
3000

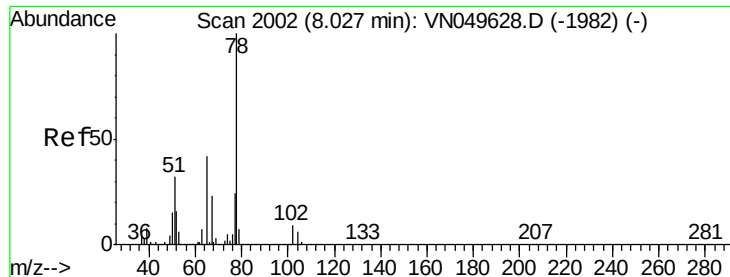
2000

1000

0

Time--> 2.00 2.05 2.10





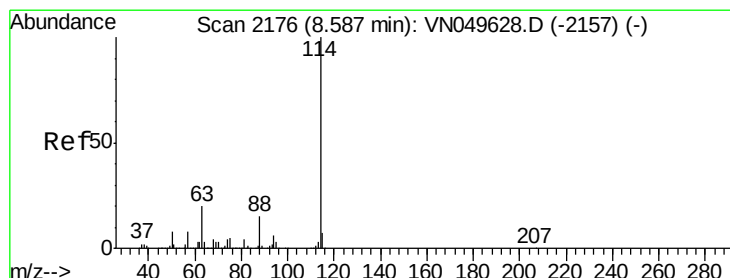
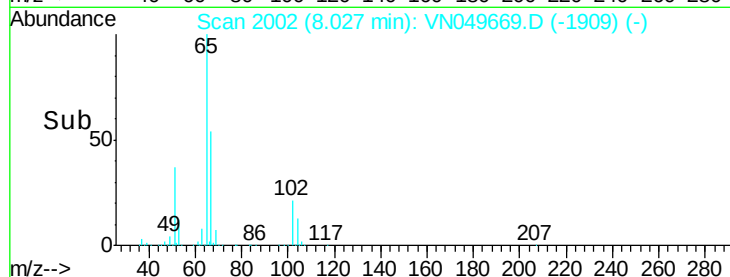
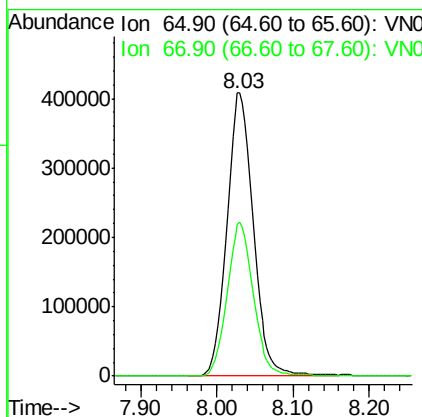
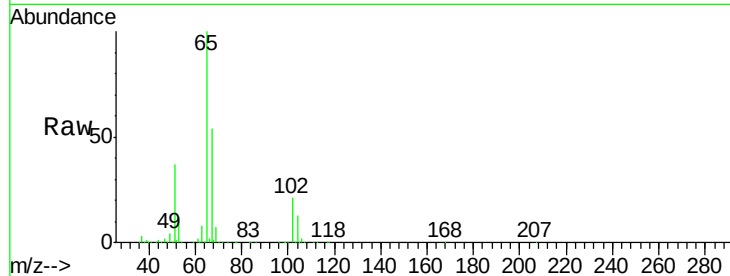
#33
 1,2-Dichloroethane-d4
 Concen: 50.03 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049669.D
 Acq: 2 Jul 2018 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.7	0.0	107.2	

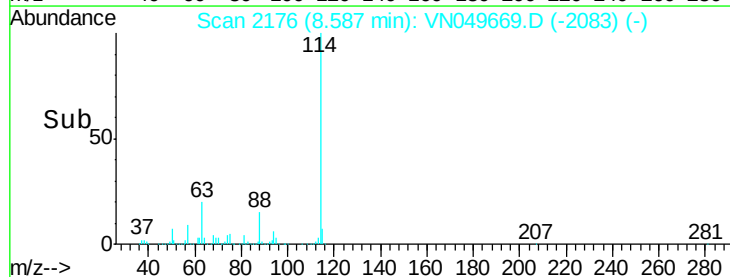
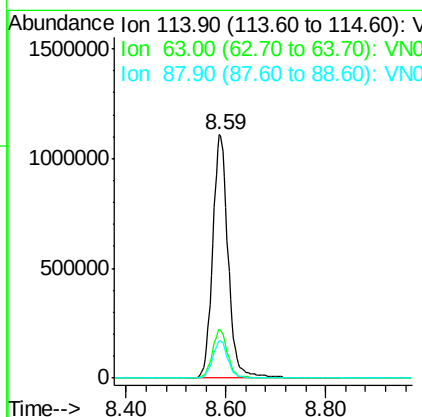
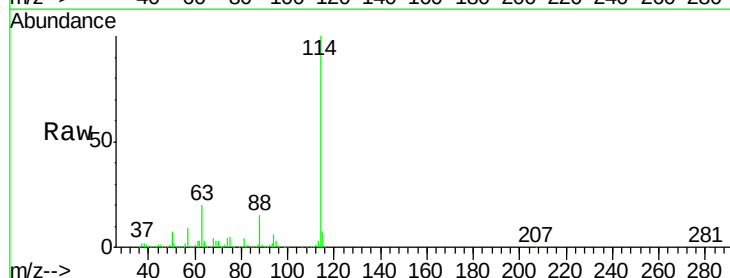
Manual Integrations
 APPROVED

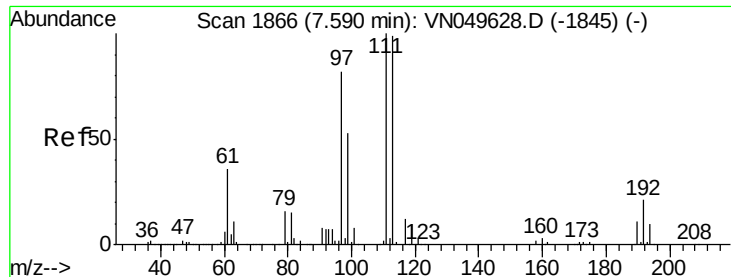
sam
 7/3/2018 3:51:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049669.D
 Acq: 2 Jul 2018 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	39.8	
88	15.4	0.0	30.6	





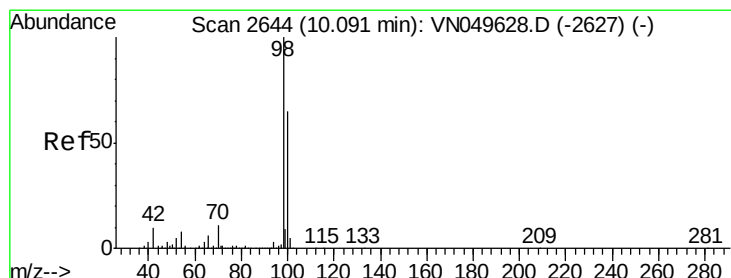
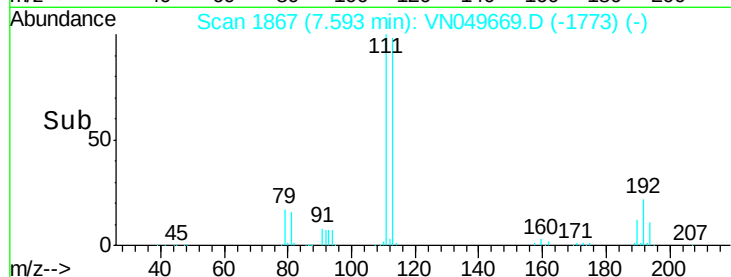
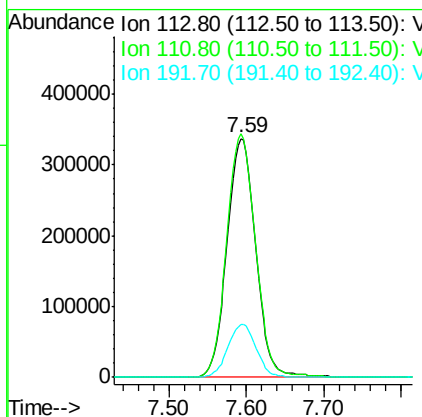
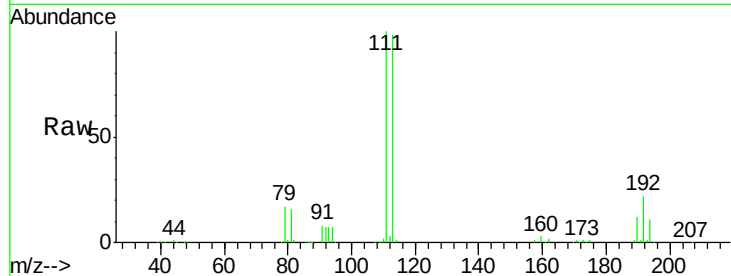
#35
Dibromofluoromethane
Concen: 48.56 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049669.D
Acq: 2 Jul 2018 15:09

Instrument :
MSVOA_N
ClientSampleId :
MW-5

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	22.0	17.8	26.6

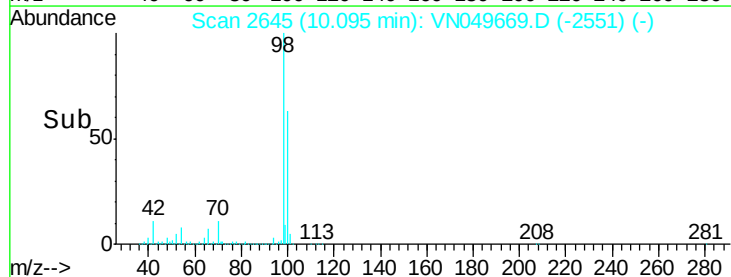
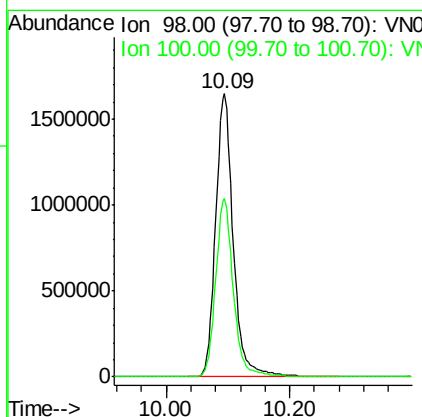
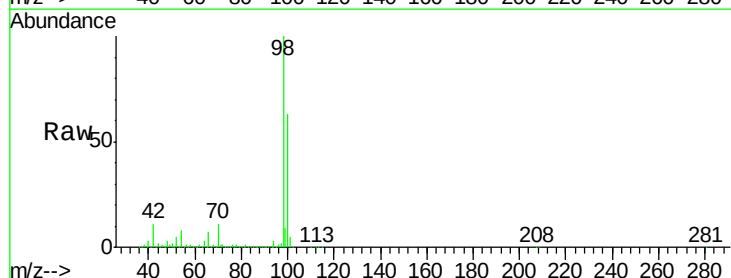
Manual Integrations
APPROVED

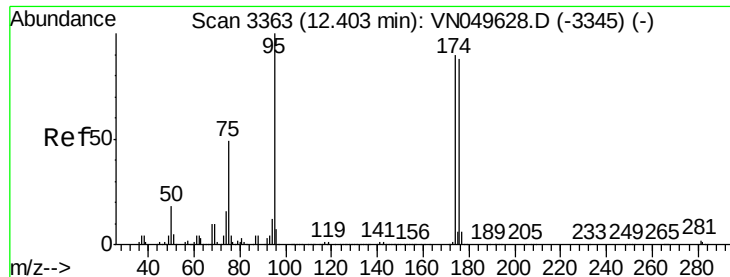
sam
7/3/2018 3:51:36 PM



#50
Toluene-d8
Concen: 46.64 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049669.D
Acq: 2 Jul 2018 15:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.7	77.5





#62

4-Bromofluorobenzene

Concen: 40.53 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

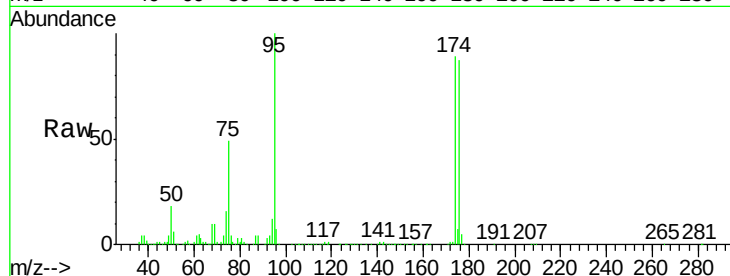
ClientSampled :

MW-5

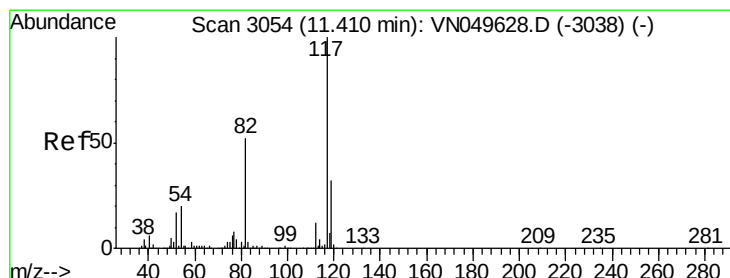
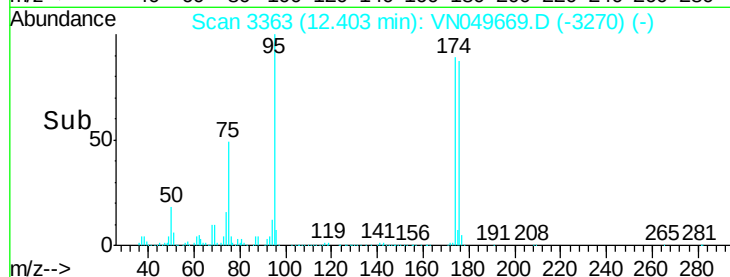
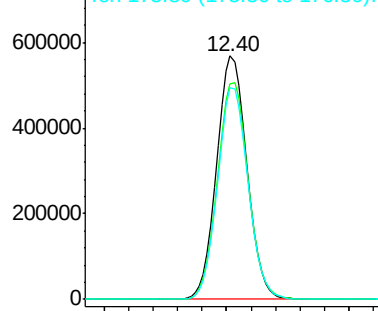
Tot Ion:	95	Resp:	967362
Ion Ratio	Lower	Upper	
95	100		
174	90.9	0.0	179.6
176	87.4	0.0	174.0

Manual Integrations
APPROVED

sam
7/3/2018 3:51:36 PM



Abundance Ion 94.90 (94.60 to 95.60): VN049669.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

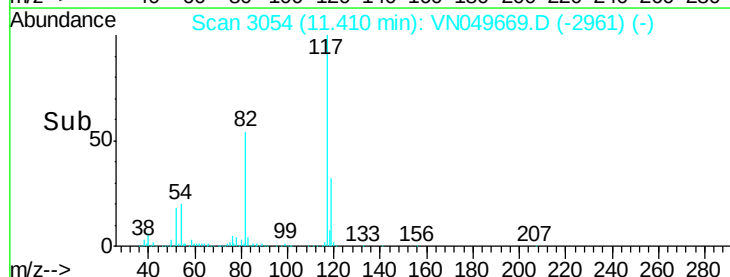
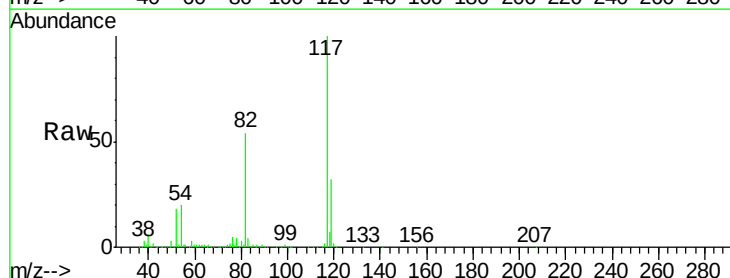
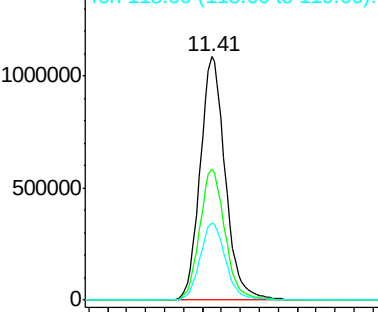
Delta R.T. 0.00 min

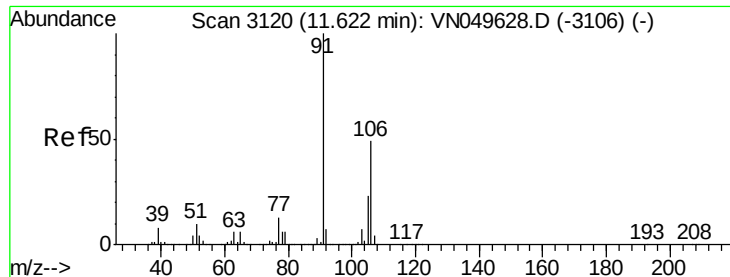
Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Tgt Ion:	117	Resp:	2002199
Ion Ratio	Lower	Upper	
117	100		
82	54.0	41.9	62.9
119	31.9	25.4	38.2

Abundance Ion 116.90 (116.60 to 117.60): VN049669.D (-2961) (-)





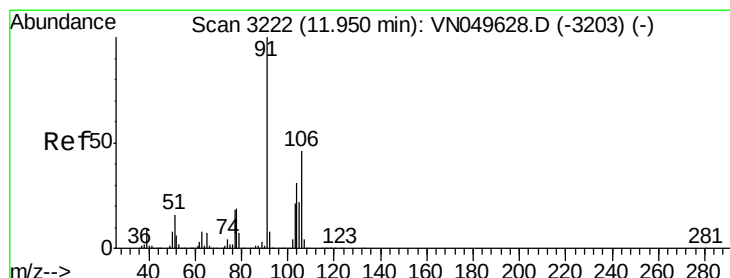
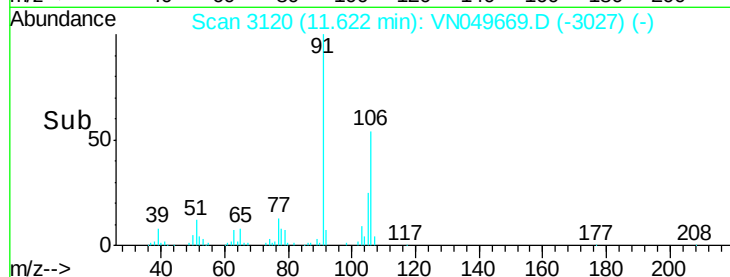
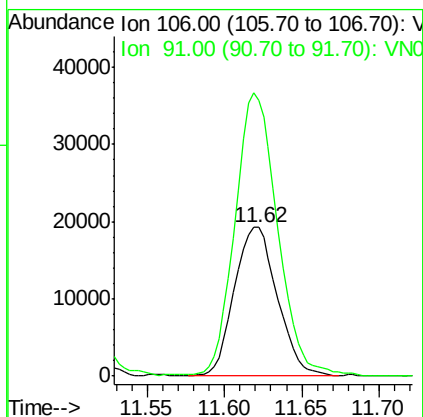
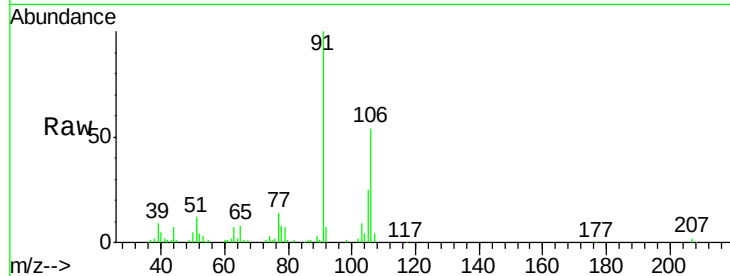
#68
m/p-Xylenes
Concen: 1.13 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049669.D
Acq: 2 Jul 2018 15:09

Instrument :
MSVOA_N
ClientSampled :
MW-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		37250		
91	188.4	163.4	245.2		

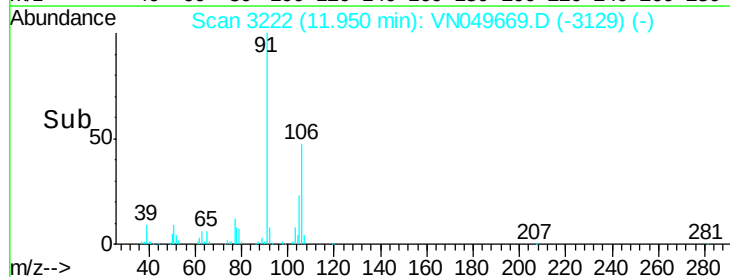
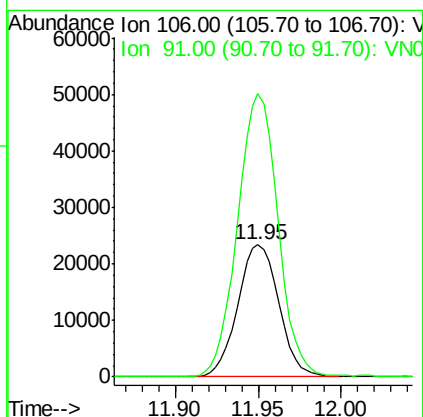
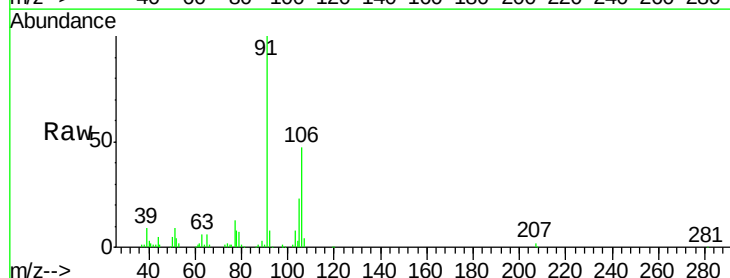
Manual Integrations
APPROVED

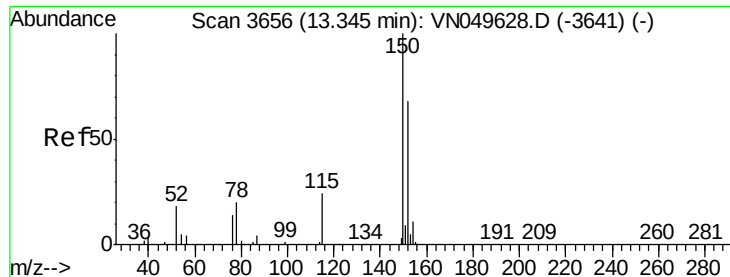
sam
7/3/2018 3:51:36 PM



#69
o-Xylene
Concen: 1.27 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049669.D
Acq: 2 Jul 2018 15:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		40255		
91	211.6	108.7	326.1		





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

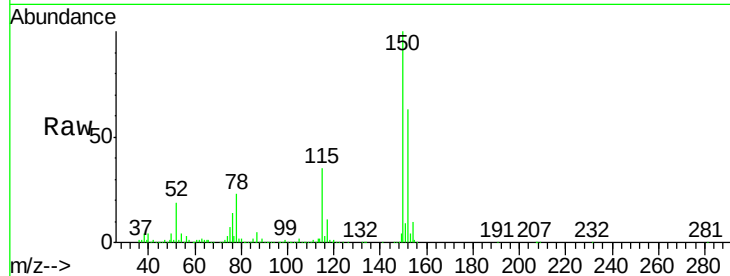
ClientSampled :

MW-5

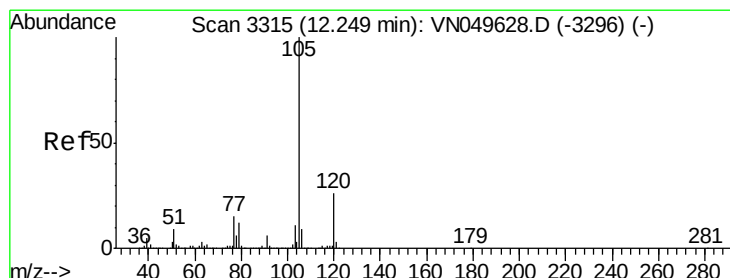
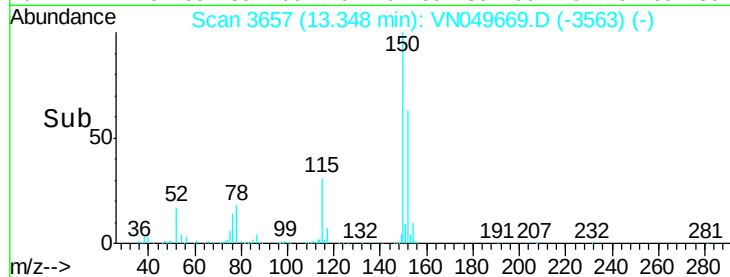
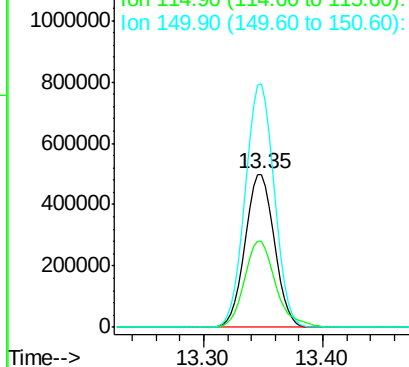
Tot Ion	Ratio	Lower	Upper
152	100		
115	60.2	28.1	84.2
150	158.1	0.0	347.6

Manual Integrations
APPROVED

sam
7/3/2018 3:51:36 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: 0.44 ug/l

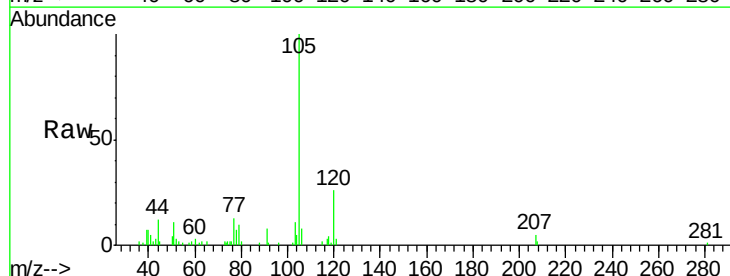
RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

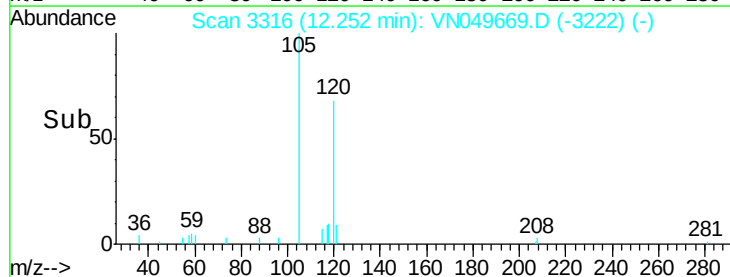
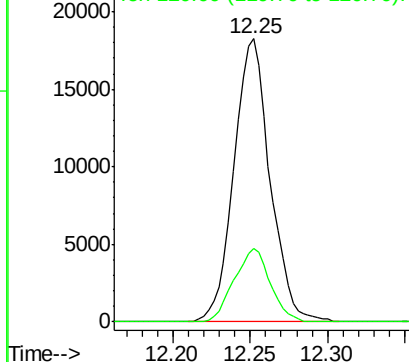
Lab File: VN049669.D

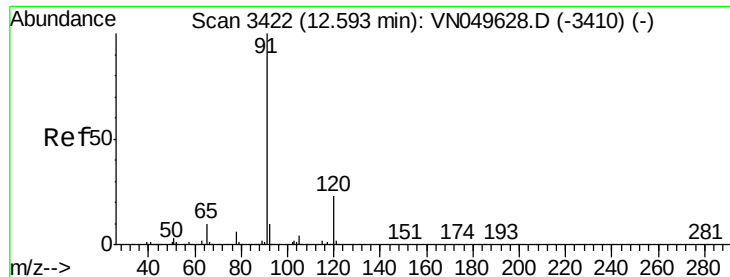
Acq: 2 Jul 2018 15:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	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: 1.08 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

MW-5

Tot Ion: 91 Resp: 83849

Ion Ratio Lower Upper

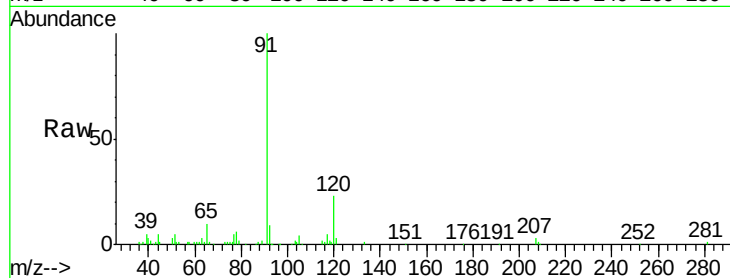
91 100

120 23.1 11.5 34.4

Manual Integrations
APPROVED

sam

7/3/2018 3:51:36 PM



Abundance Ion 91.00 (90.70 to 91.70): VN049628.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN049628.D (-3410) (-)

100000

80000

60000

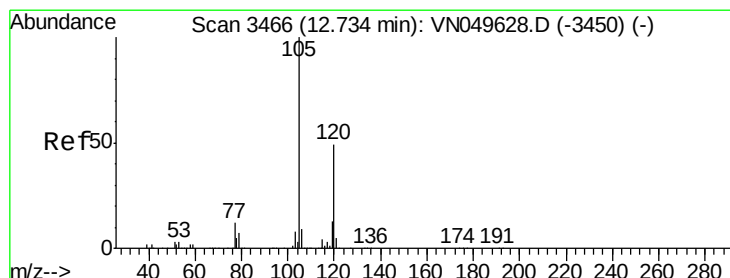
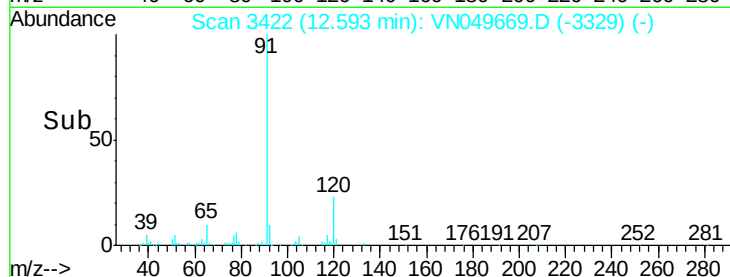
40000

20000

0

12.55 12.60 12.65

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 6.94 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049669.D

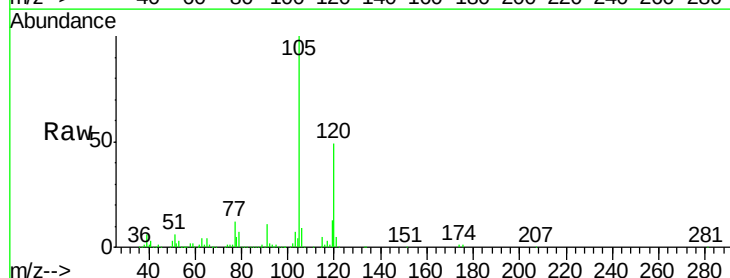
Acq: 2 Jul 2018 15:09

Tgt Ion: 105 Resp: 390782

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049628.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049628.D (-3450) (-)

250000

200000

150000

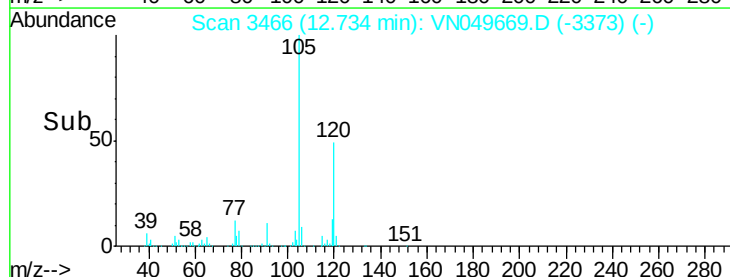
100000

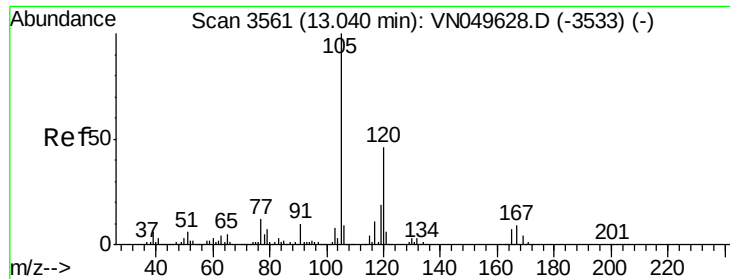
50000

0

12.70 12.75 12.80

Time-->





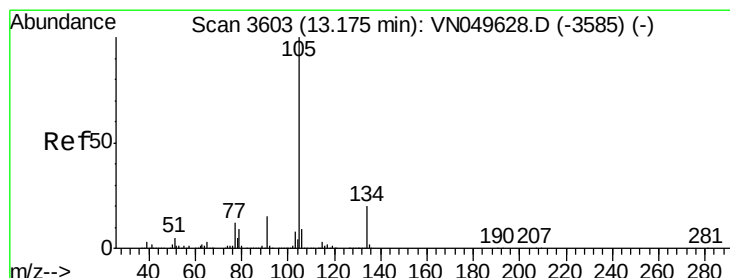
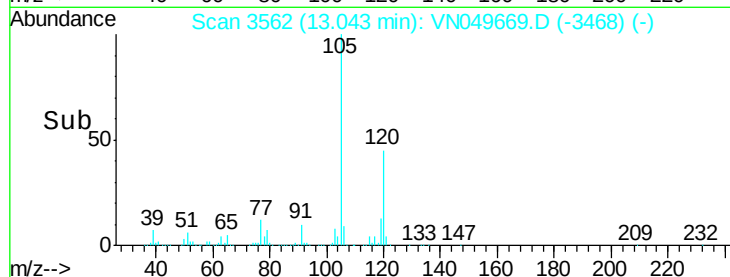
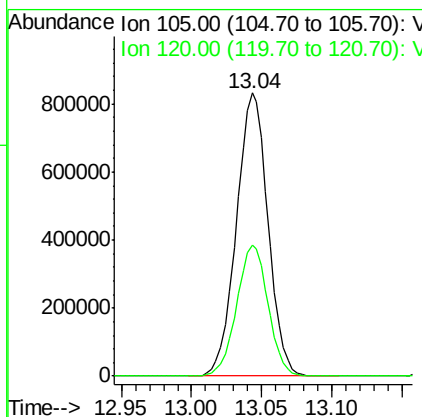
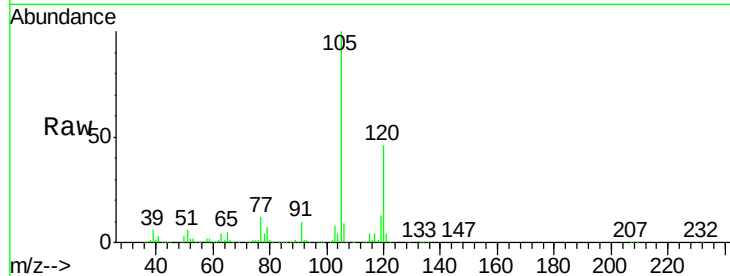
#84
 1,2,4-Trimethylbenzene
 Concen: 22.50 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049669.D
 Acq: 2 Jul 2018 15:09

Instrument :
 MSVOA_N
 ClientSampled :
 MW-5

Tot Ion:105 Resp: 1301414
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.7 68.1

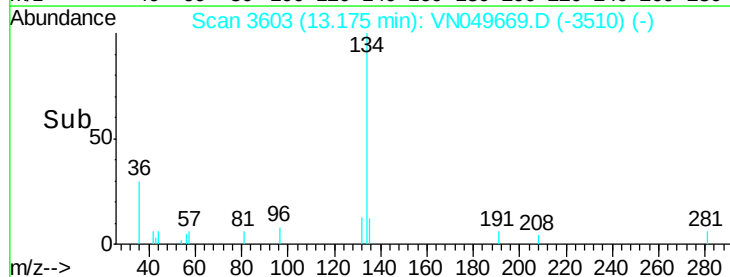
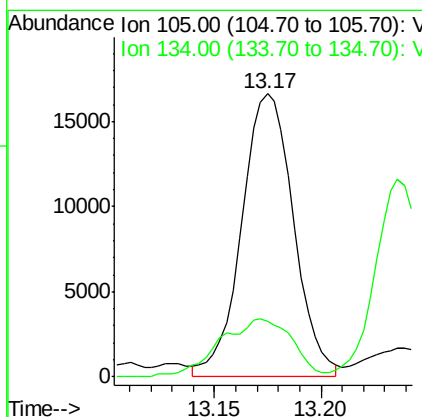
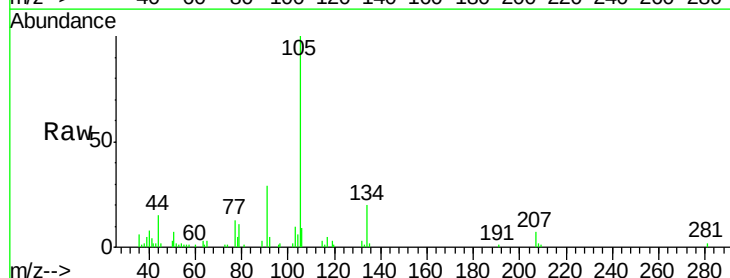
Manual Integrations
 APPROVED

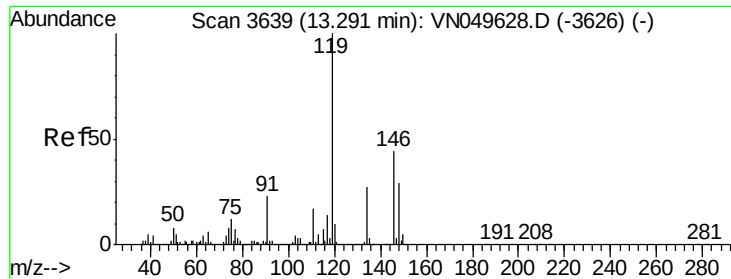
sam
 7/3/2018 3:51:36 PM



#85
 sec-Butylbenzene
 Concen: 0.44 ug/l m
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049669.D
 Acq: 2 Jul 2018 15:09

Tgt Ion:105 Resp: 28290
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#





#86
 p-Isopropyltoluene
 Concen: 0.50 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049669.D
 Acq: 2 Jul 2018 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.3	39.9
91	19.4	11.4	34.1

Manual Integrations
 APPROVED

sam
 7/3/2018 3:51:36 PM

