

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049693.D
 Acq On : 3 Jul 2018 15:03
 Operator : MD\SY
 Sample : J3811-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Manual Integrations
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sam
 7/5/2018 2:27:50 PM

Quant Time: Jul 05 09:20:12 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	1378705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2196785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1871252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	955498	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	922979	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
35) Dibromofluoromethane	7.59	113	798414	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.22%	
50) Toluene-d8	10.09	98	2988296	46.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.98%	
62) 4-Bromofluorobenzene	12.40	95	978569	44.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.18%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.04	76	250654	5.303	ug/l	98
30) Chloroform	7.37	83	7366	0.228	ug/l	93
44) Trichloroethene	8.84	130	27308	1.200	ug/l	87
64) Tetrachloroethene	10.63	164	45504	1.796	ug/l	96
67) Ethyl Benzene	11.51	91	55799	0.691	ug/l	97
68) m/p-Xylenes	11.62	106	128562	4.157	ug/l	99
69) o-Xylene	11.95	106	136762	4.619	ug/l	99
73) Isopropylbenzene	12.25	105	486861	6.397	ug/l	100
78) n-propylbenzene	12.59	91	1539778	17.652	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	6493751	102.675	ug/l	100
83) tert-Butylbenzene	13.00	119	94776	1.744	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.04	105	16815701m	258.751	ug/l	
85) sec-Butylbenzene	13.17	105	557585	7.746	ug/l #	77
86) p-Isopropyltoluene	13.29	119	661748	10.614	ug/l	100
89) n-Butylbenzene	13.62	91	155435m	2.912	ug/l	
95) Naphthalene	15.14	128	146322	7.506	ug/l	99

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

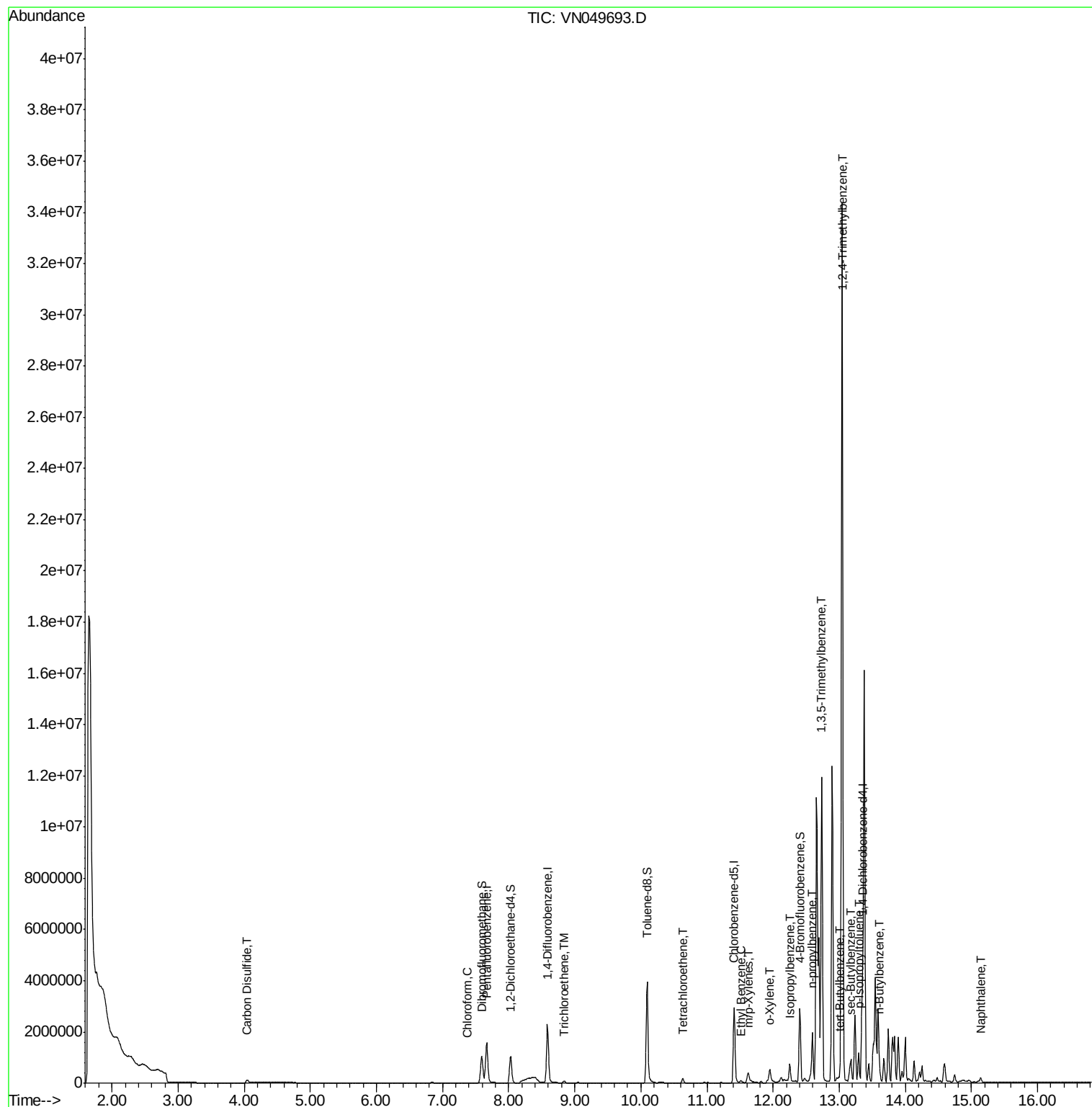
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
Data File : VN049693.D
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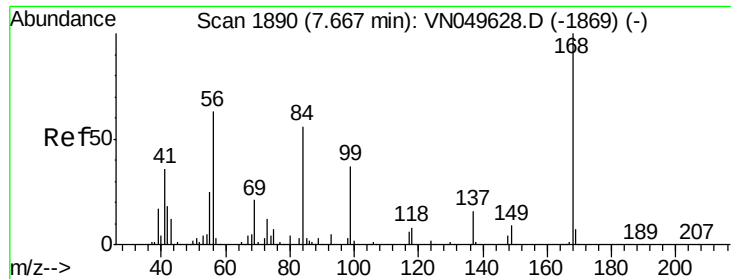
Instrument :
MSVOA_N
ClientSampleId :
MW-2

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Quant Time: Jul 05 09:20:12 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: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion:168 Resp: 1378705

Ion Ratio Lower Upper

168 100

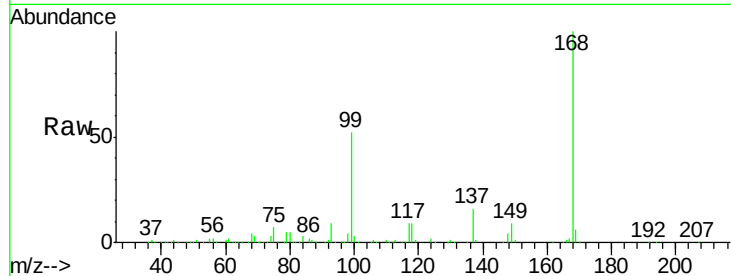
99 51.6 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

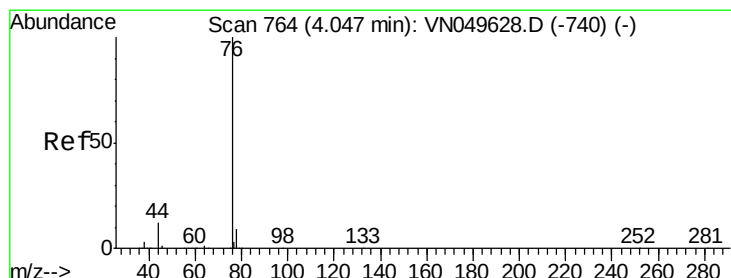
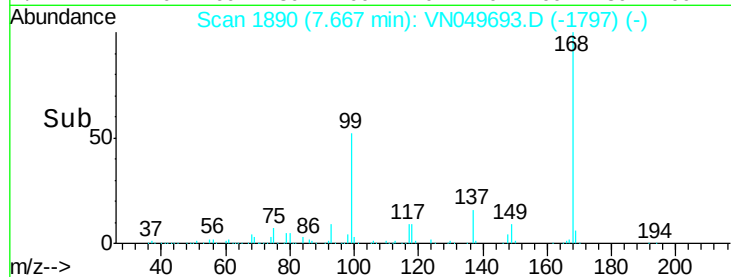
300000

200000

100000

0

Time-->



#17

Carbon Disulfide

Concen: 5.303 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049693.D

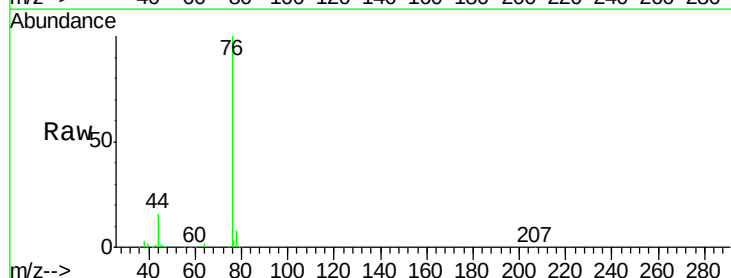
Acq: 3 Jul 2018 15:03

Tgt Ion: 76 Resp: 250654

Ion Ratio Lower Upper

76 100

78 8.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

100000

80000

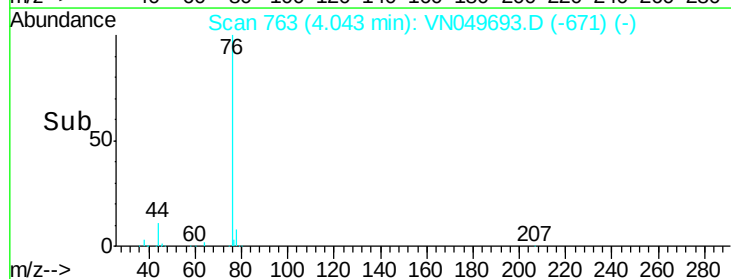
60000

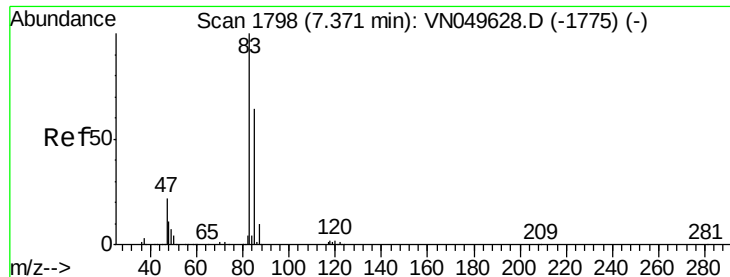
40000

20000

0

Time-->





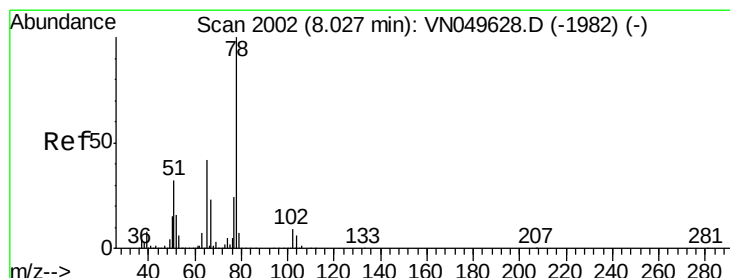
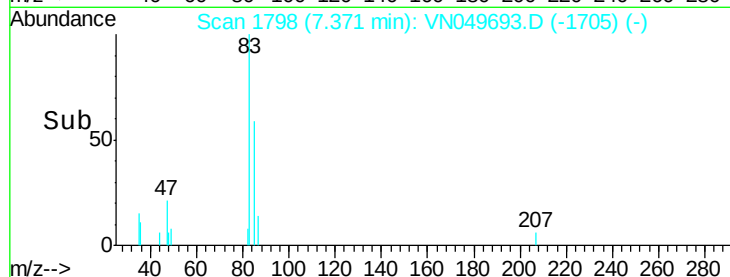
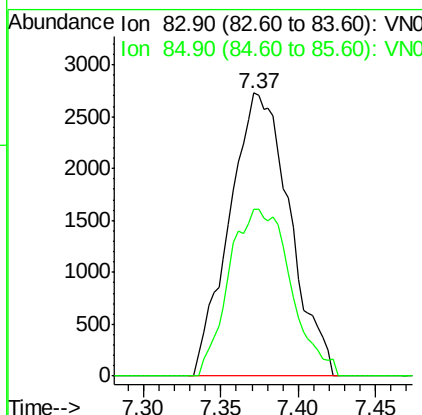
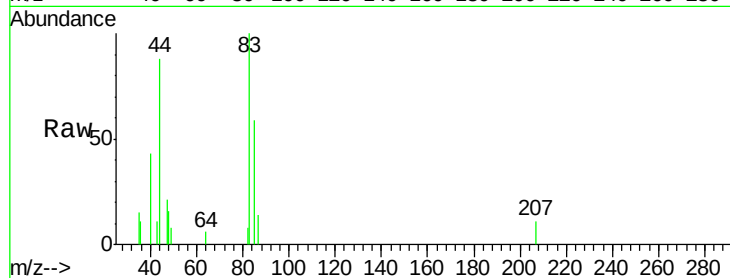
#30
Chloroform
Concen: 0.228 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049693.D
Acq: 3 Jul 2018 15:03

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tot Ion	83	Resp	7366
Ion Ratio	100	Lower	Upper
85	59.0	51.4	77.2

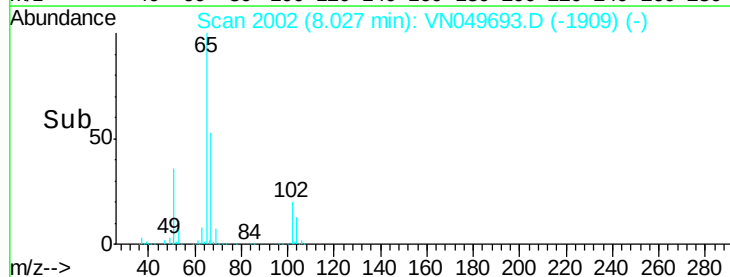
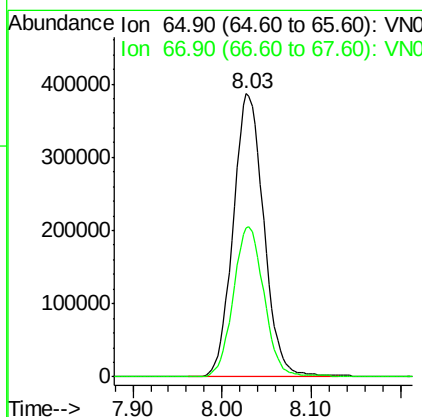
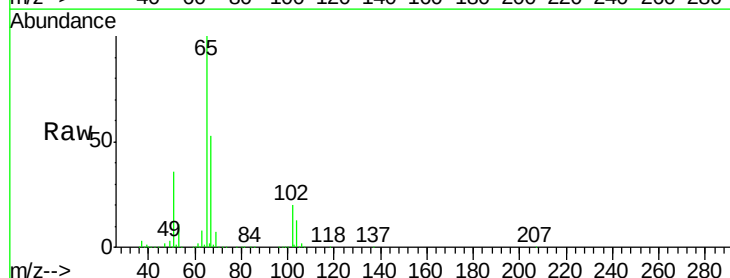
Manual Integrations
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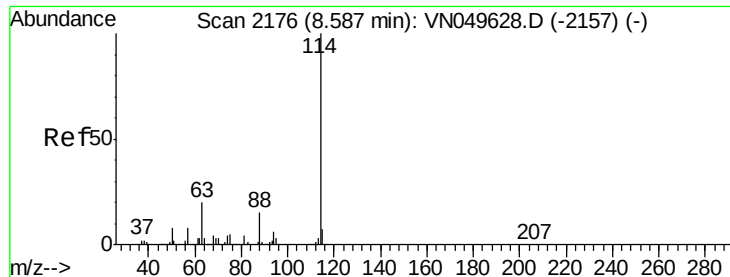
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#33
1,2-Dichloroethane-d4
Concen: 50.693 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. -0.00 min
Lab File: VN049693.D
Acq: 3 Jul 2018 15:03

Tgt Ion	65	Resp	922979
Ion Ratio	100	Lower	Upper
67	52.7	0.0	107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

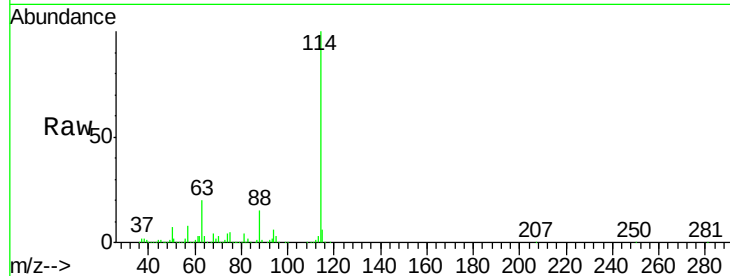
ClientSampled :

MW-2

Tot Ion:	114	Resp:	2196785
Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.8
88	15.1	0.0	30.6

Manual Integrations
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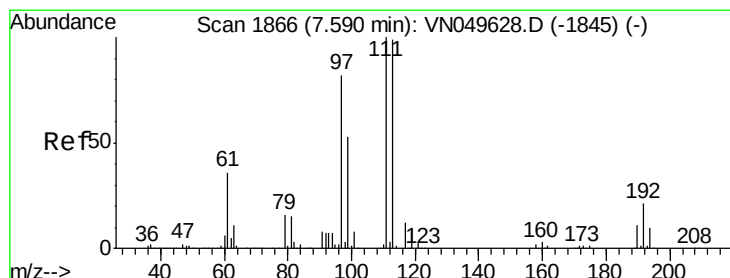
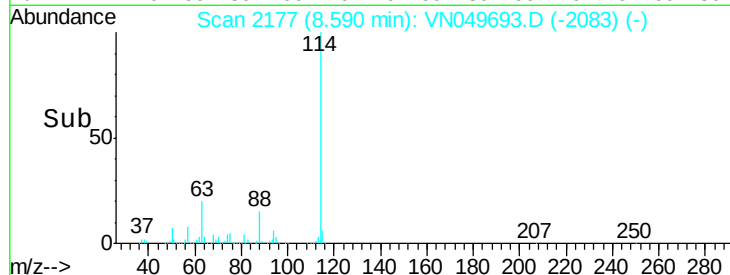
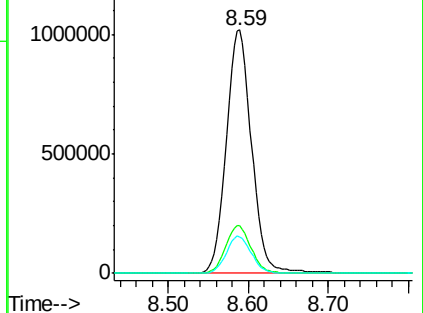
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 48.615 ug/l

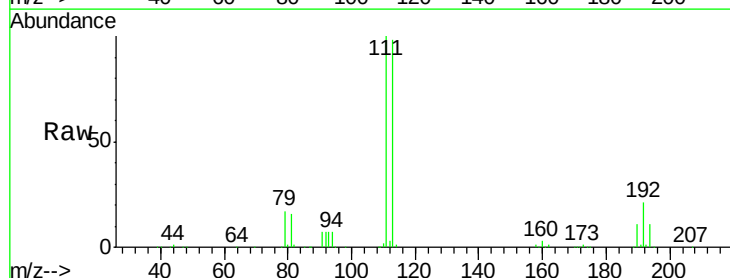
RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

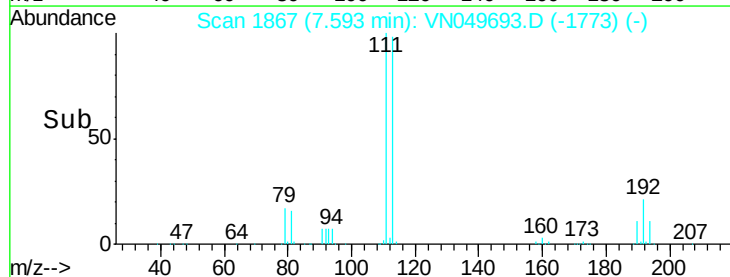
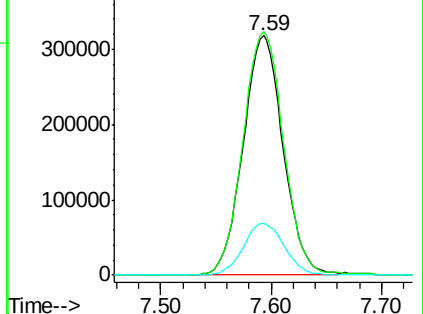
Tgt Ion:	113	Resp:	798414
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.8
192	22.3	17.8	26.6

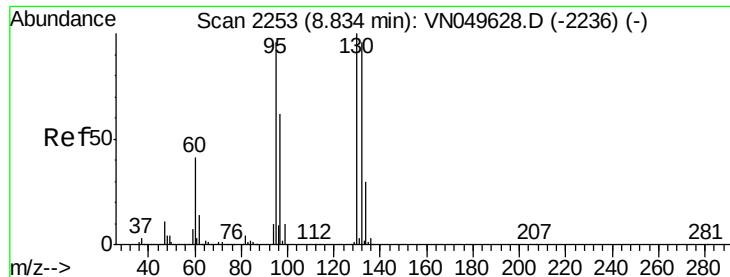


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 1.200 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampleId :

MW-2

Tot Ion:130 Resp: 27308

Ion Ratio Lower Upper

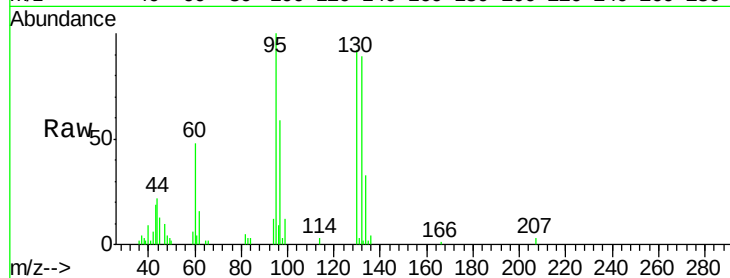
130 100

95 108.8 0.0 192.8

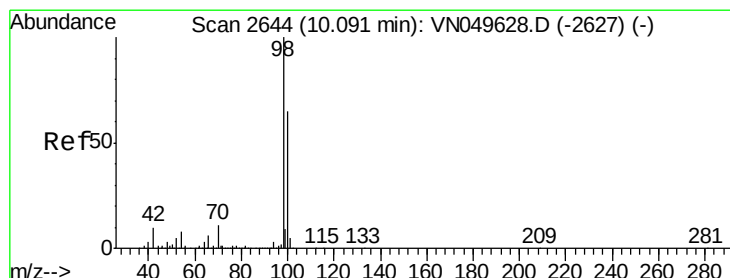
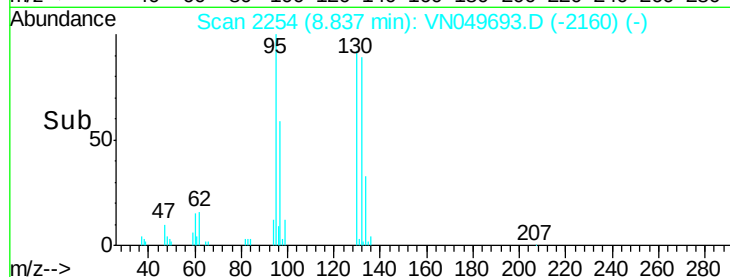
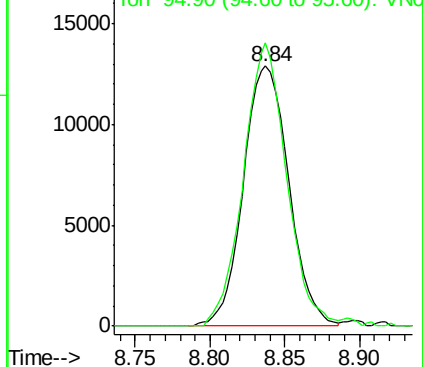
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Abundance Ion 129.80 (129.50 to 130.50): VN049628.D (-2236) (-)



#50

Toluene-d8

Concen: 46.486 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049693.D

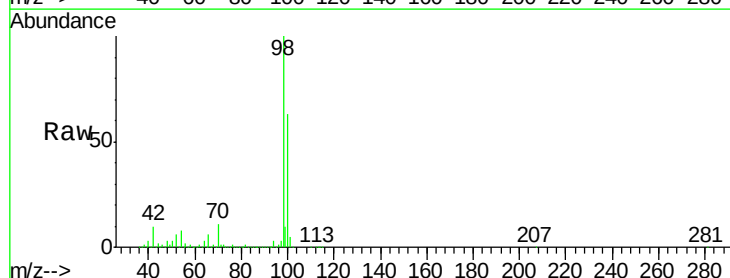
Acq: 3 Jul 2018 15:03

Tgt Ion: 98 Resp: 2988296

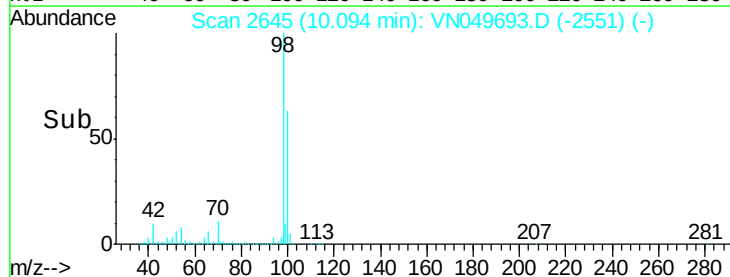
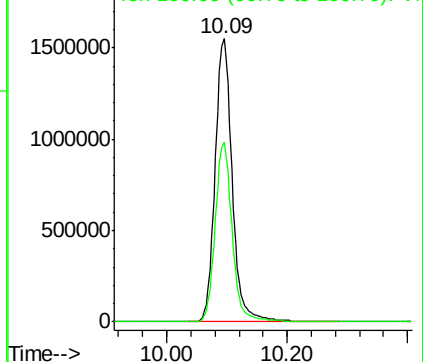
Ion Ratio Lower Upper

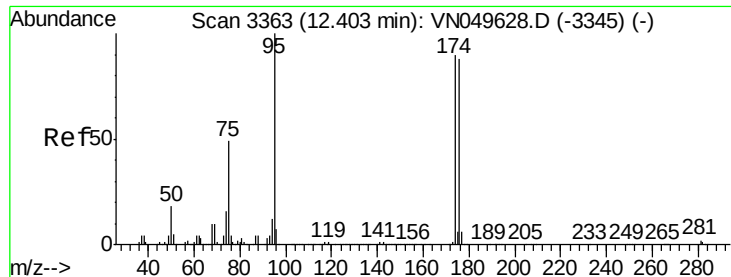
98 100

100 62.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049628.D (-2627) (-)





#62

4-Bromofluorobenzene

Concen: 44.587 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

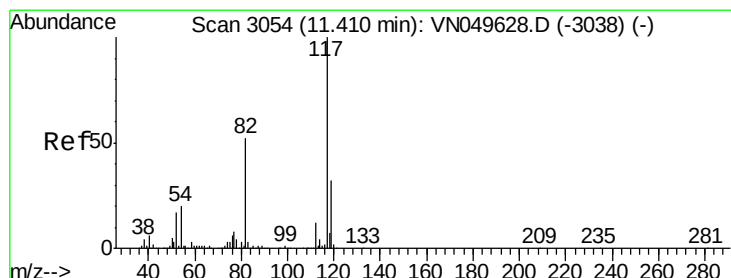
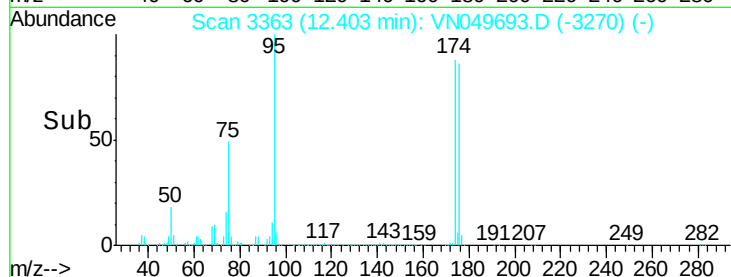
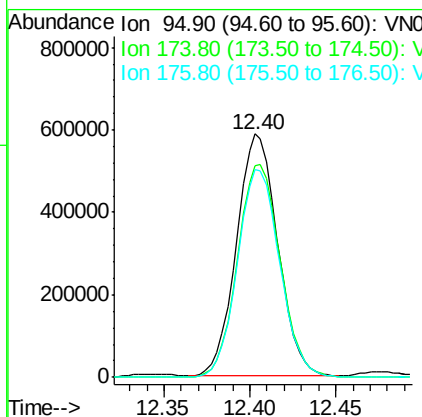
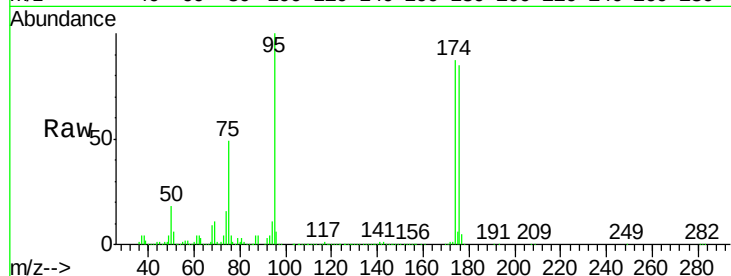
ClientSampled :

MW-2

Tot Ion:	95	Resp:	978569
Ion Ratio	Lower	Upper	
95	100		
174	91.4	0.0	179.6
176	88.2	0.0	174.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

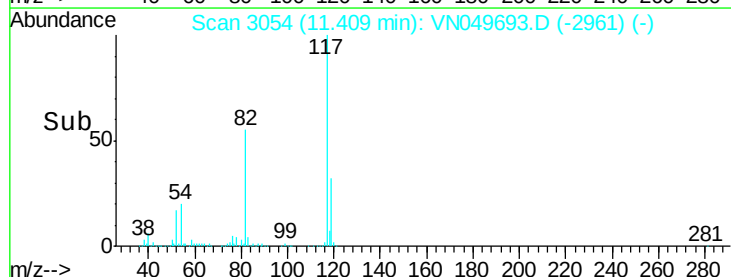
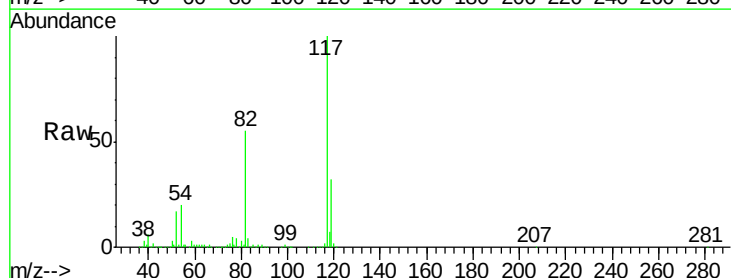
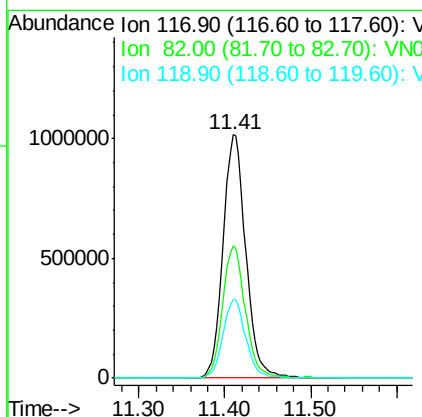
RT: 11.41 min Scan# 3054

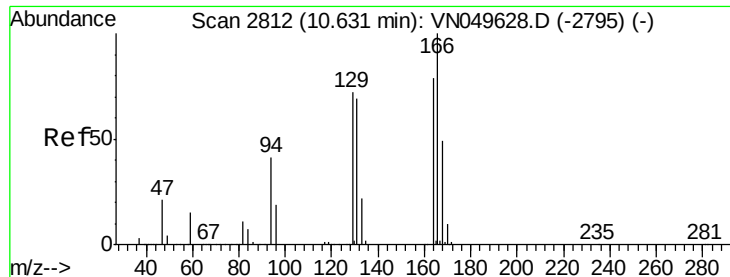
Delta R.T. -0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Tgt Ion:	117	Resp:	1871252
Ion Ratio	Lower	Upper	
117	100		
82	54.5	41.9	62.9
119	32.2	25.4	38.2





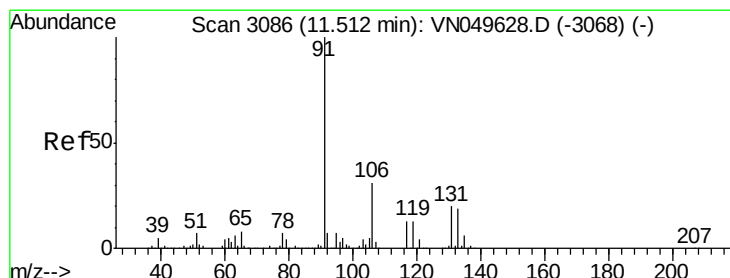
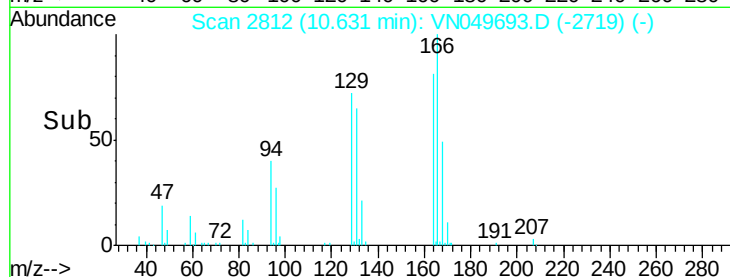
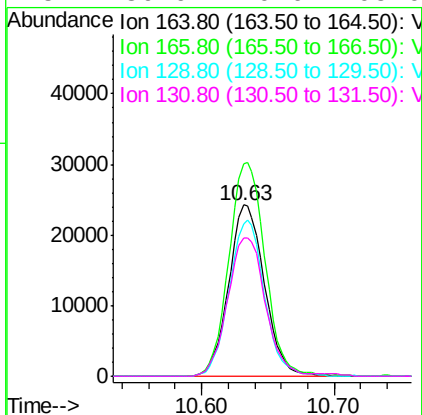
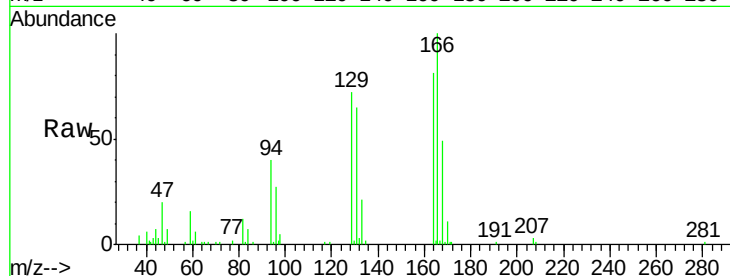
#64
Tetrachloroethene
Concen: 1.796 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049693.D
Acq: 3 Jul 2018 15:03

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion	Ratio	Lower	Upper
164	100		
166	123.8	101.8	152.6
129	88.7	72.8	109.2
131	80.9	70.0	105.0

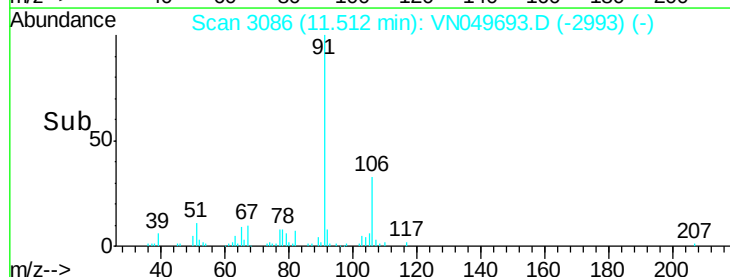
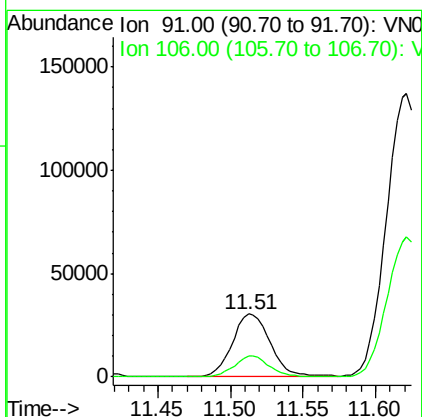
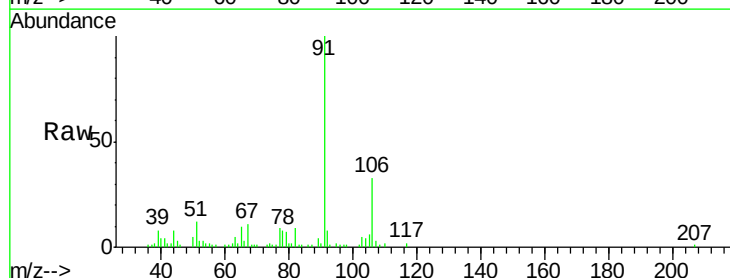
Manual Integrations
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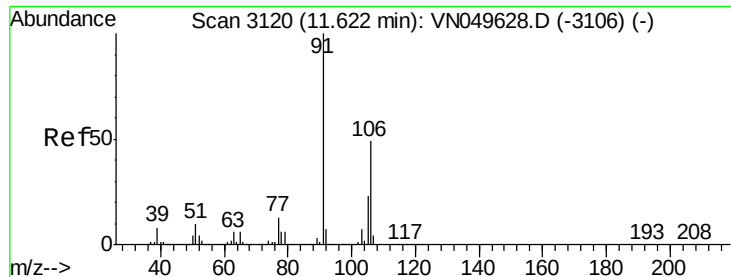
sam
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#67
Ethyl Benzene
Concen: 0.691 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049693.D
Acq: 3 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.6	24.8	37.2





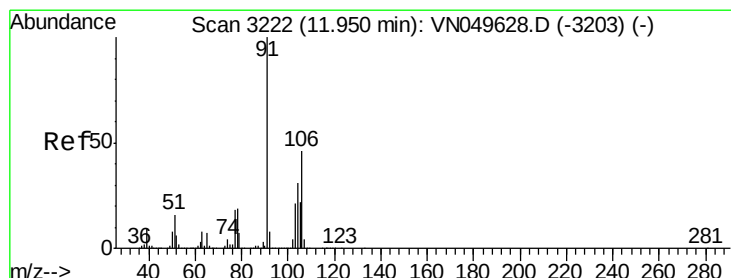
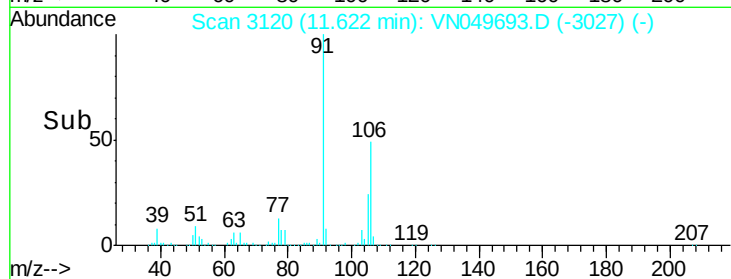
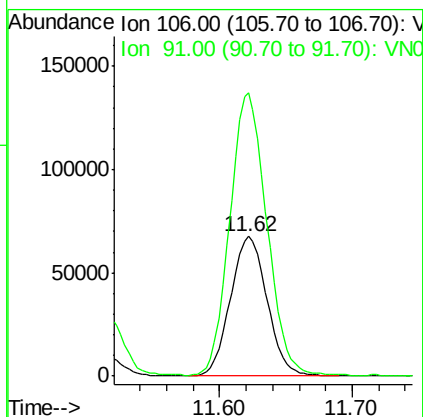
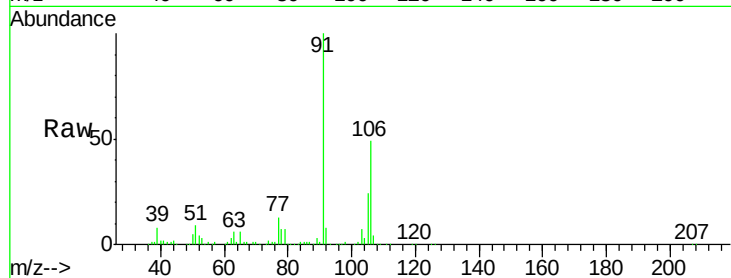
#68
m/p-Xylenes
Concen: 4.157 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049693.D
Acq: 3 Jul 2018 15:03

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	205.4	163.4	245.2		

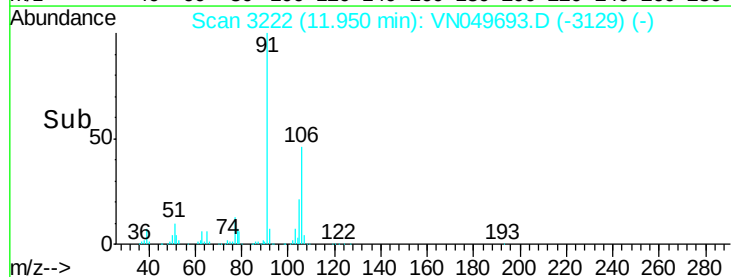
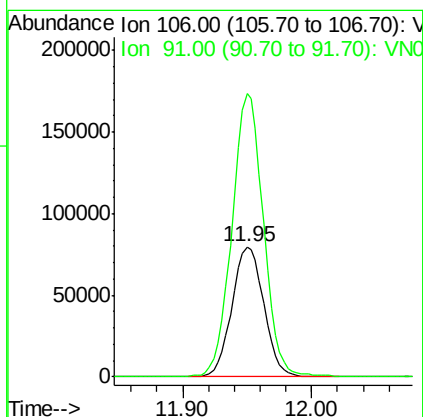
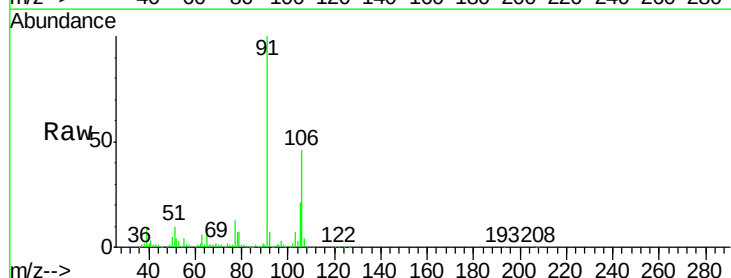
Manual Integrations
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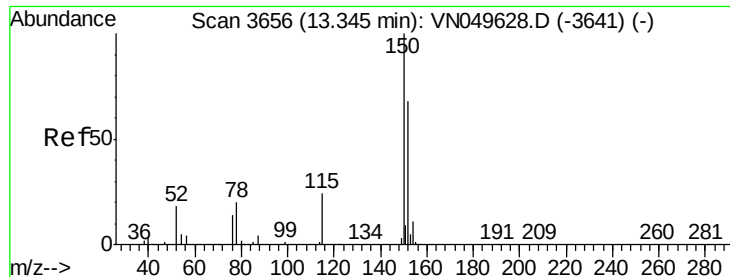
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#69
o-Xylene
Concen: 4.619 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049693.D
Acq: 3 Jul 2018 15:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	215.4	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: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampleId :

MW-2

Tot Ion:152 Resp: 955498

Ion Ratio Lower Upper

152 100

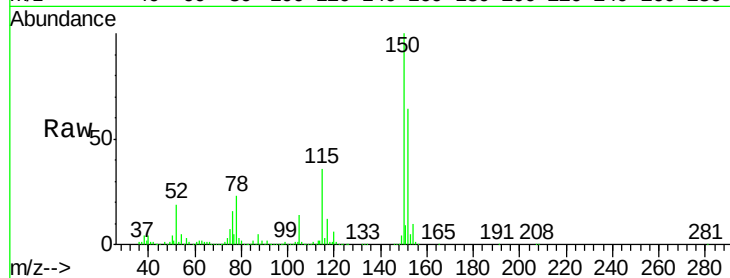
115 57.9 28.1 84.2

150 155.3 0.0 347.6

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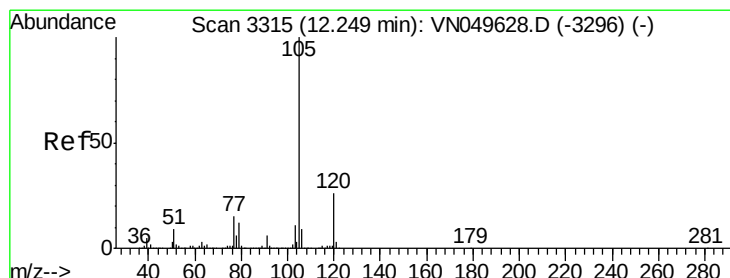
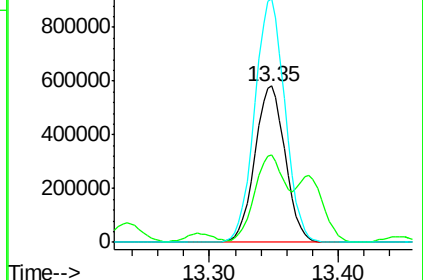
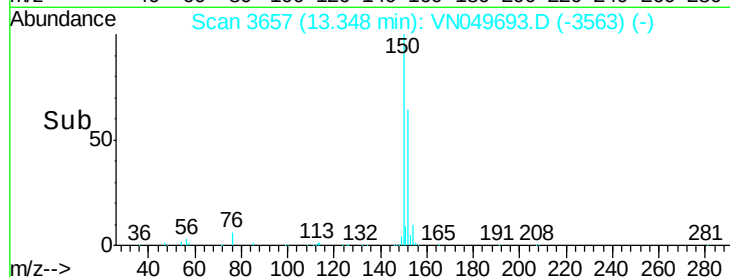
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 6.397 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049693.D

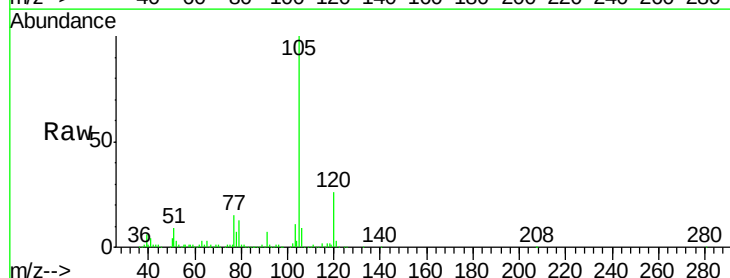
Acq: 3 Jul 2018 15:03

Tgt Ion:105 Resp: 486861

Ion Ratio Lower Upper

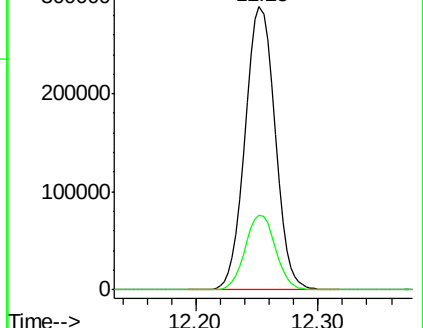
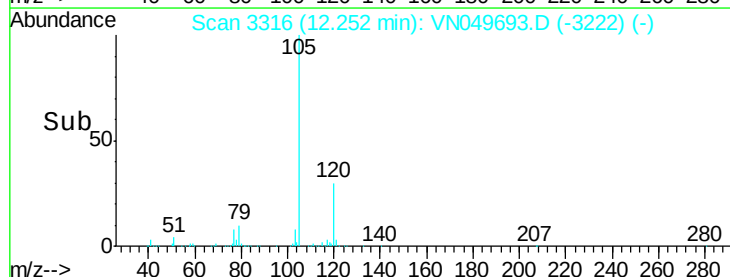
105 100

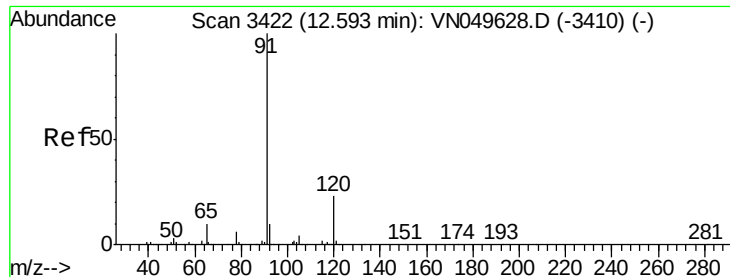
120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 17.652 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion: 91 Resp: 1539778

Ion Ratio Lower Upper

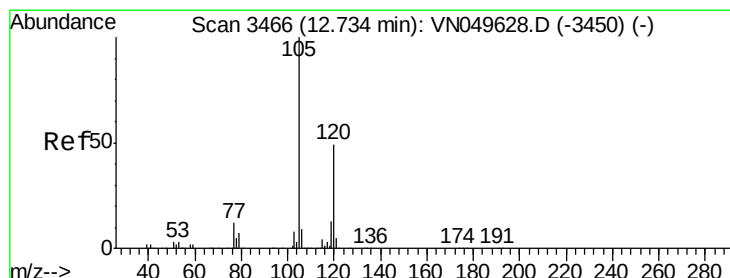
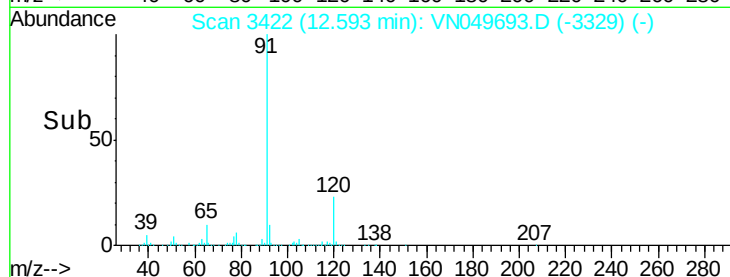
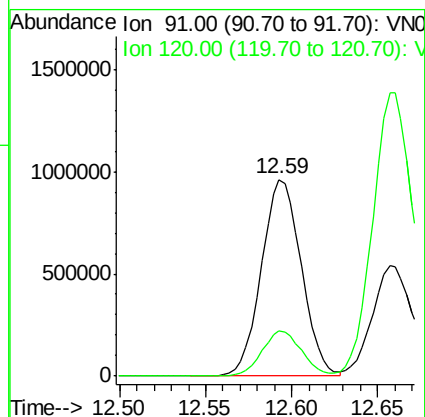
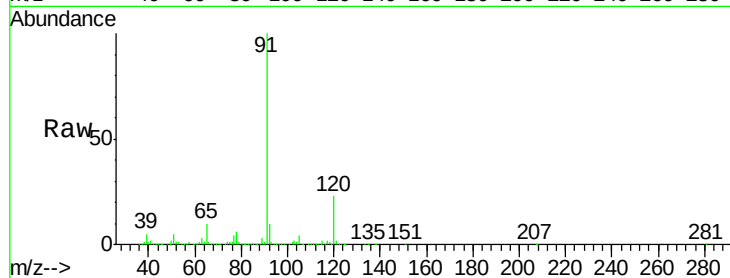
91 100

120 23.0 11.5 34.4

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 102.675 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049693.D

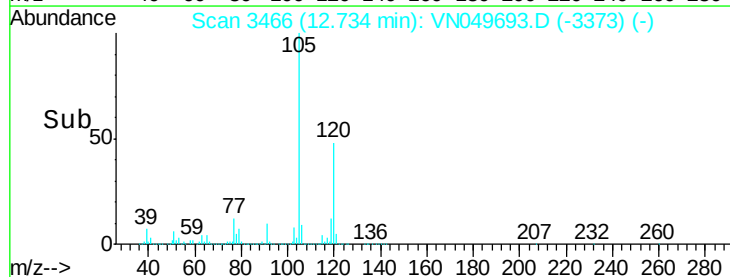
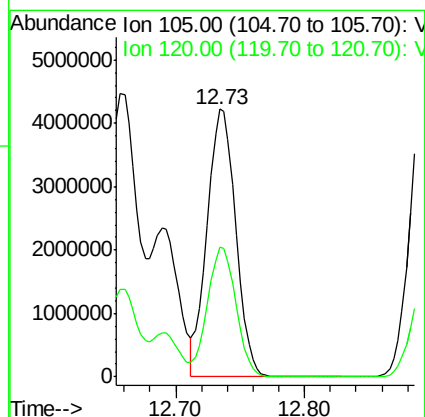
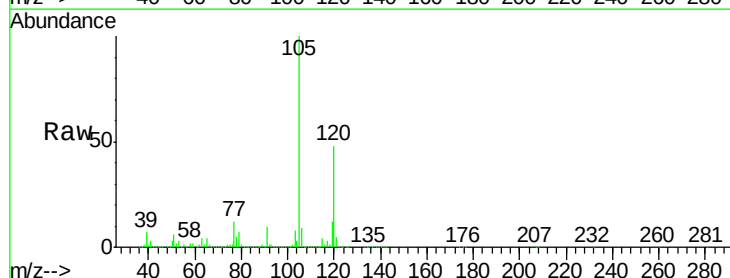
Acq: 3 Jul 2018 15:03

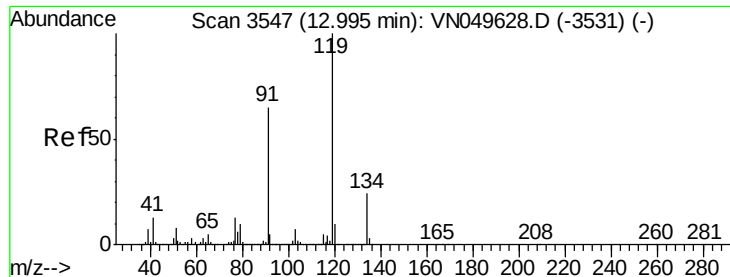
Tgt Ion: 105 Resp: 6493751

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.8





#83

tert-Butylbenzene

Concen: 1.744 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

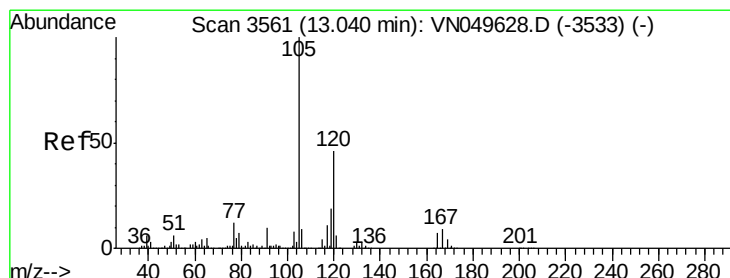
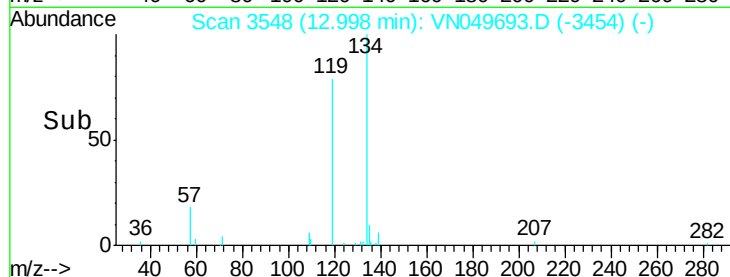
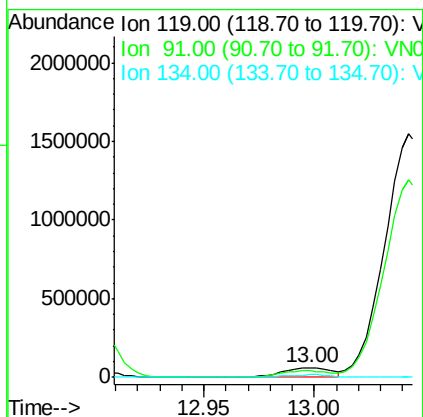
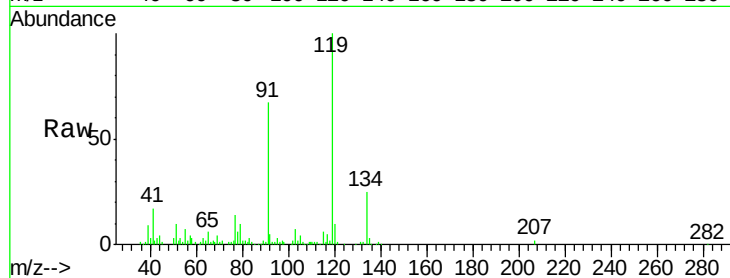
ClientSampled :

MW-2

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	32.0	96.2#
134	26.5	12.8	38.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 258.751 ug/l m

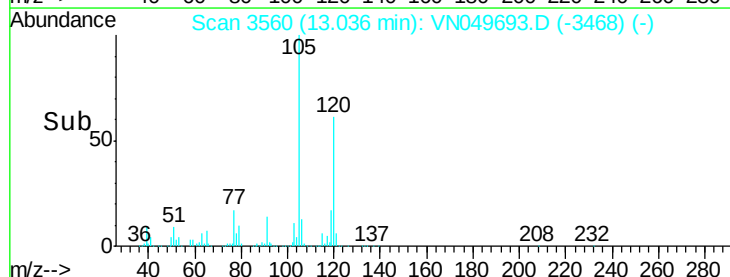
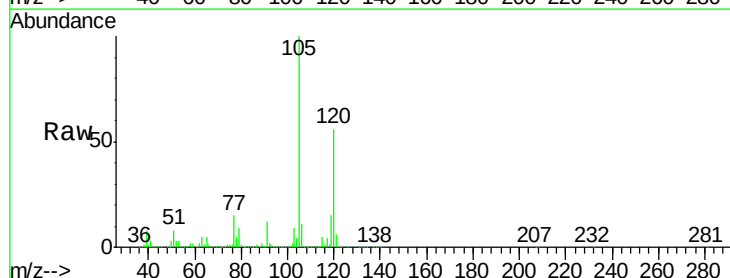
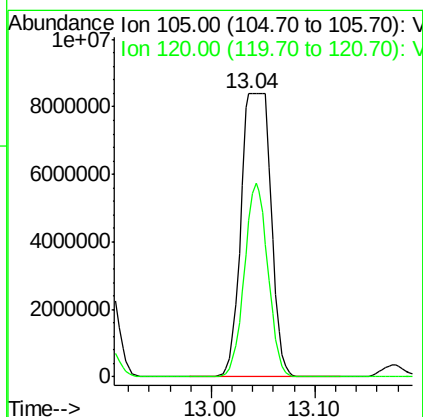
RT: 13.04 min Scan# 3560

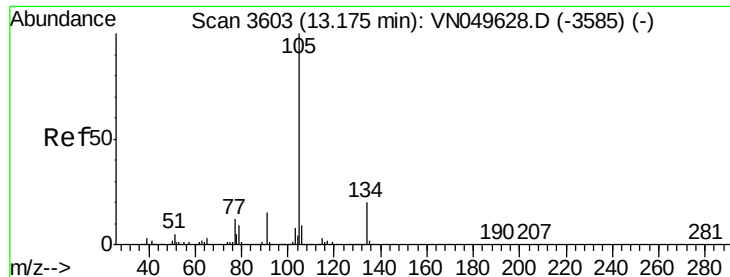
Delta R.T. -0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	14.7	22.7	68.1#





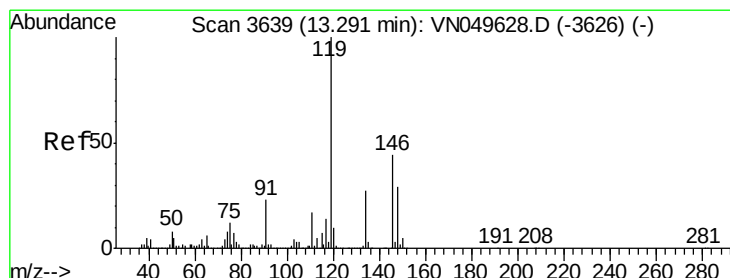
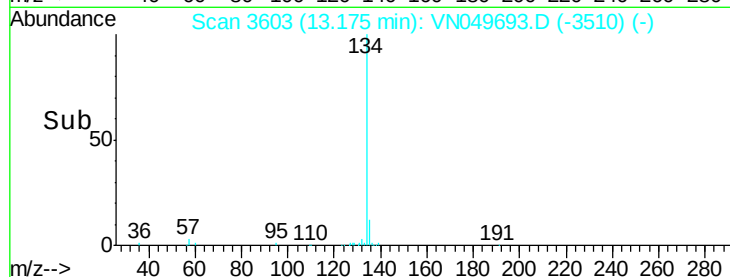
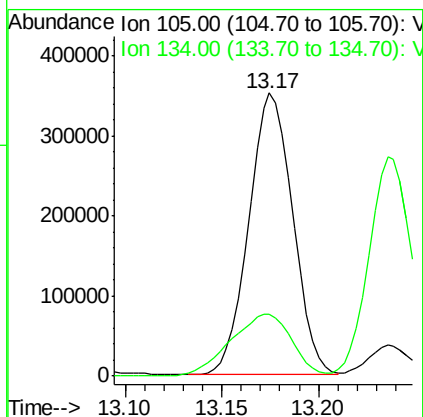
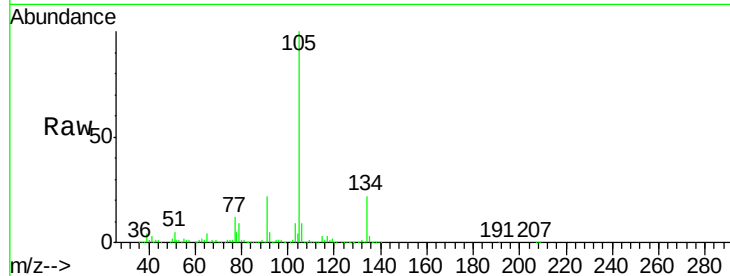
#85
 sec-Butylbenzene
 Concen: 7.746 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN049693.D
 Acq: 3 Jul 2018 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Tot Ion	Ratio	Lower	Upper
105	100		
134	30.5	10.1	30.1#

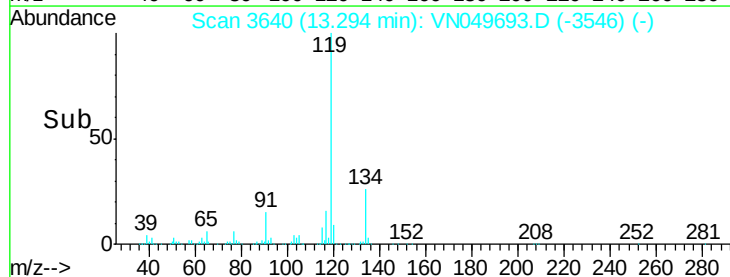
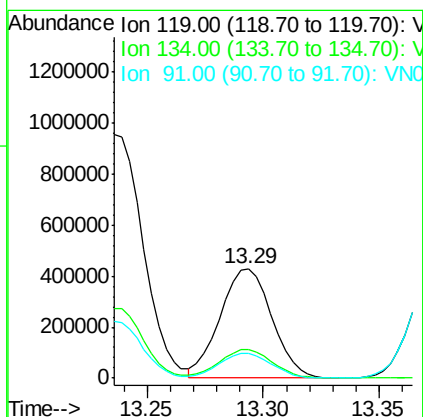
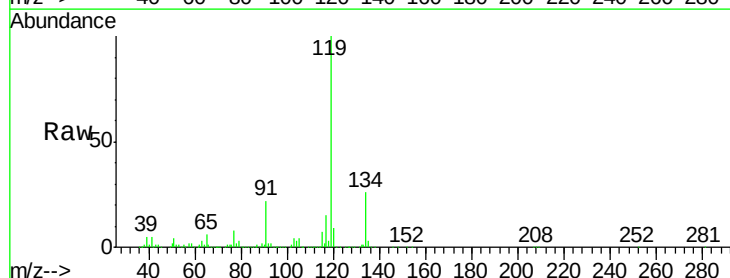
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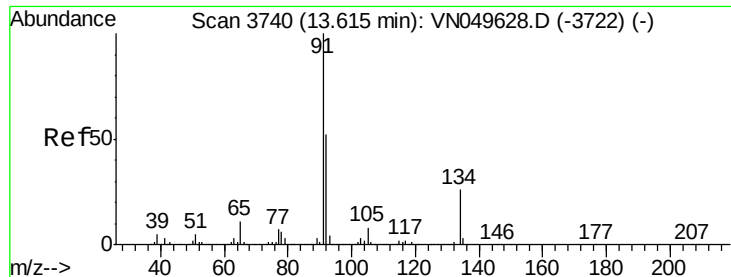
sam
 7/5/2018 2:27:50 PM



#86
 p-Isopropyltoluene
 Concen: 10.614 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN049693.D
 Acq: 3 Jul 2018 15:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.9
91	22.2	11.4	34.1





#89

n-Butylbenzene

Concen: 2.912 ug/l m

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion: 91 Resp: 155435
Ion Ratio Lower Upper

91 100

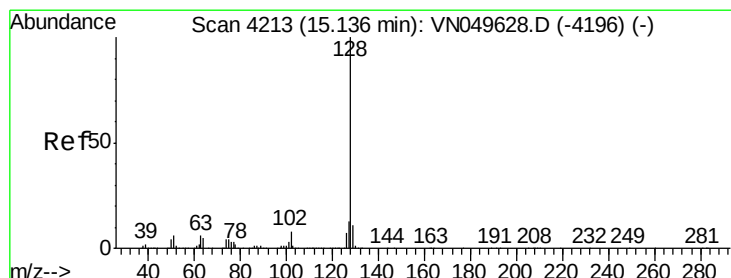
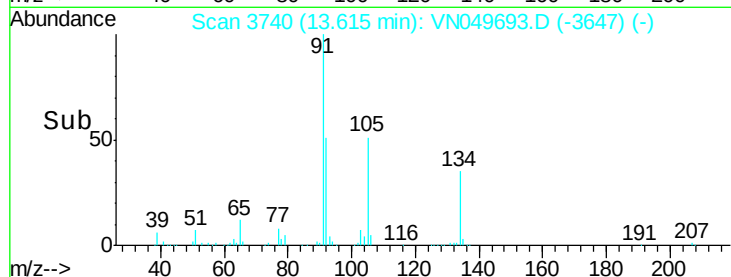
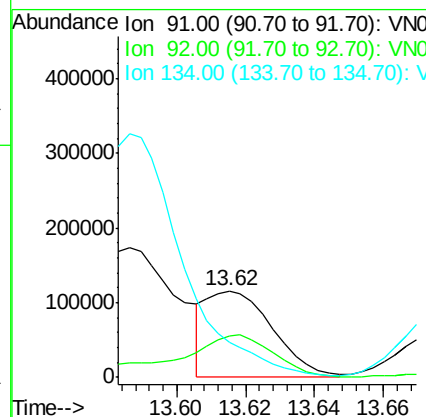
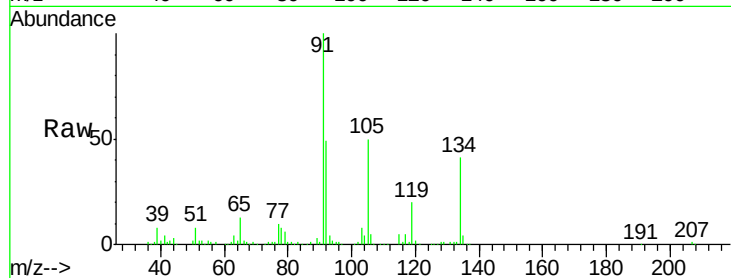
92 0.0 25.8 77.3#

134 383.0 13.0 38.9#

Manual Integrations
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#95

Naphthalene

Concen: 7.506 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Tgt Ion: 128 Resp: 146322
Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.1 8.6 13.0

