

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049692.D
 Acq On : 3 Jul 2018 14:37
 Operator : MD\SY
 Sample : J3811-02DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6DL

Manual Integrations
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sam
 7/5/2018 2:28:12 PM

Quant Time: Jul 04 03:25:25 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	1349590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2174787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1817003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	881932	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	907390	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
35) Dibromofluoromethane	7.59	113	789136	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	10.09	98	2936332	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
62) 4-Bromofluorobenzene	12.40	95	951039	43.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.54%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.05	76	325943	7.163	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	14880	0.817	ug/l	93
44) Trichloroethene	8.84	130	12864	0.571	ug/l	91
67) Ethyl Benzene	11.52	91	119768	1.529	ug/l	99
68) m/p-Xylenes	11.62	106	403537	13.439	ug/l	98
69) o-Xylene	11.95	106	523834	18.221	ug/l	100
73) Isopropylbenzene	12.25	105	324464	4.619	ug/l	99
78) n-propylbenzene	12.59	91	862697	10.715	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	4645136	79.572	ug/l	99
83) tert-Butylbenzene	13.00	119	88156	1.758	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	13796762	230.006	ug/l	99
85) sec-Butylbenzene	13.17	105	351177m	5.285	ug/l	
86) p-Isopropyltoluene	13.29	119	379618	6.596	ug/l	98
89) n-Butylbenzene	13.62	91	101706m	2.064	ug/l	
95) Naphthalene	15.14	128	158321	8.103	ug/l	99

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

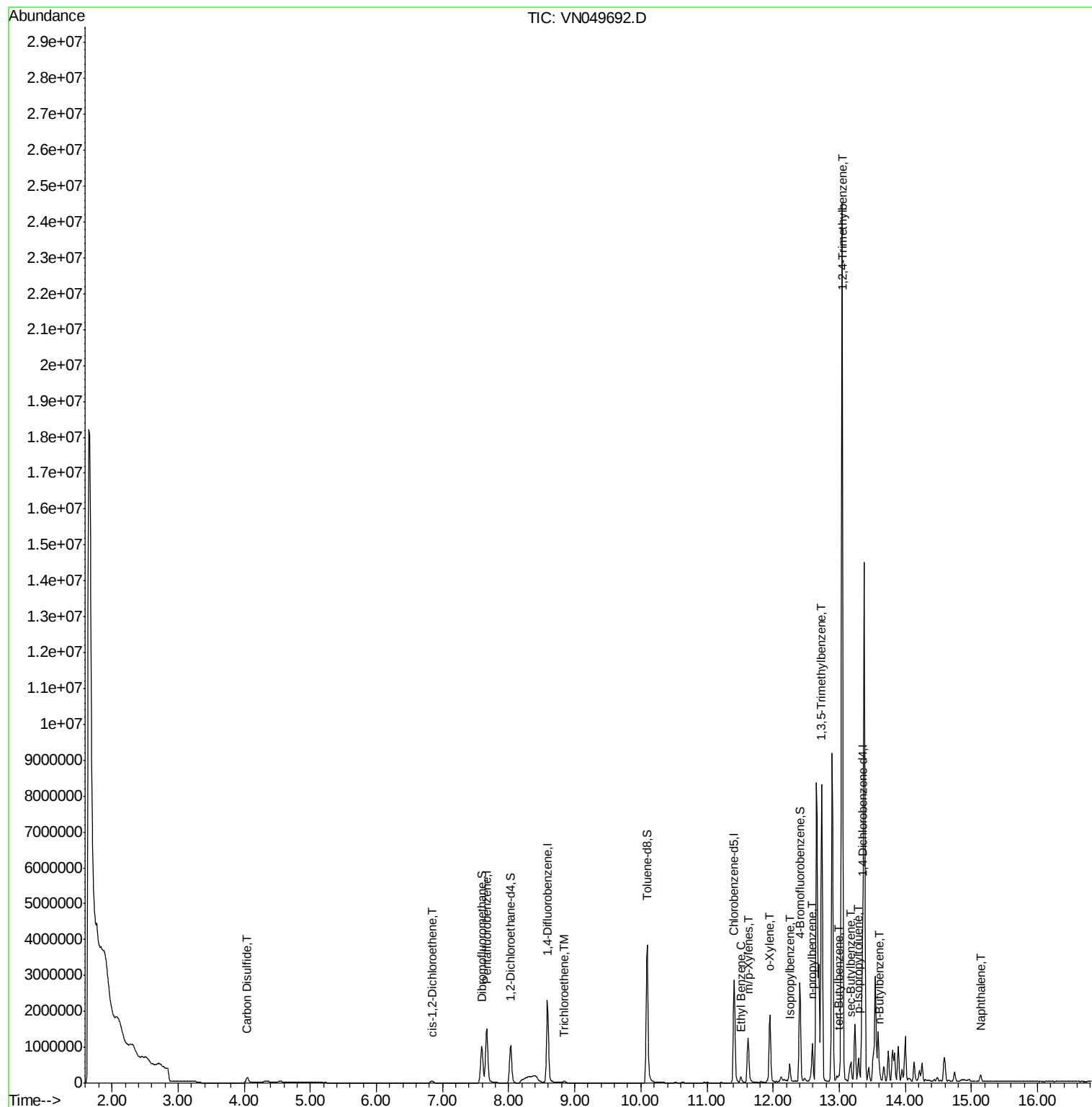
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
Data File : VN049692.D
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ALS Vial : 9 Sample Multiplier: 1

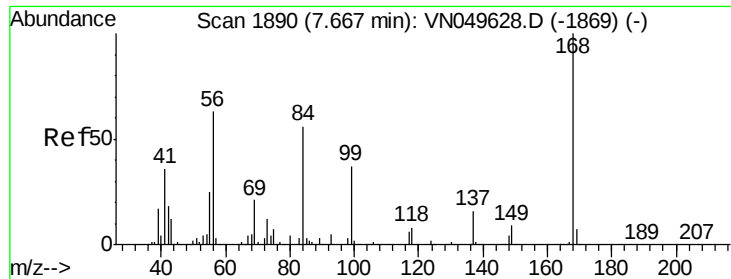
Instrument :
MSVOA_N
ClientSampleId :
MW-6DL

Manual Integrations
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Quant Time: Jul 04 03:25:25 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# 1891

Delta R.T. 0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

MW-6DL

Tot Ion:168 Resp: 1349590

Ion Ratio Lower Upper

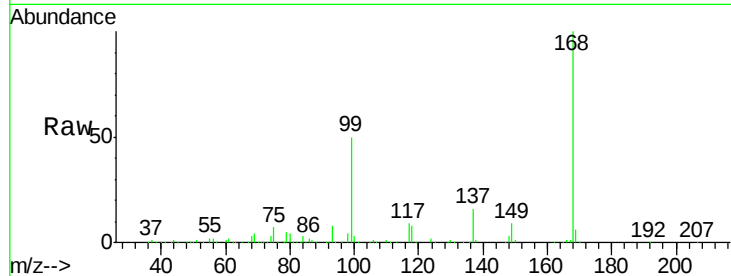
168 100

99 50.2 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): VNO

7.67

600000

500000

400000

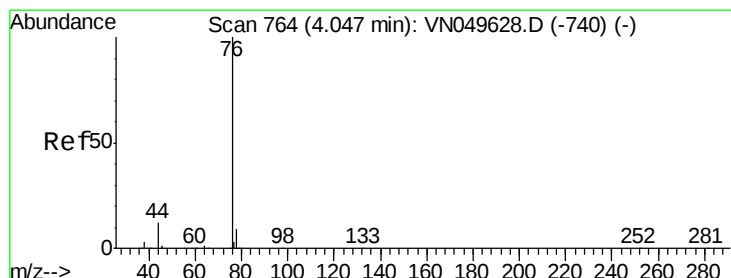
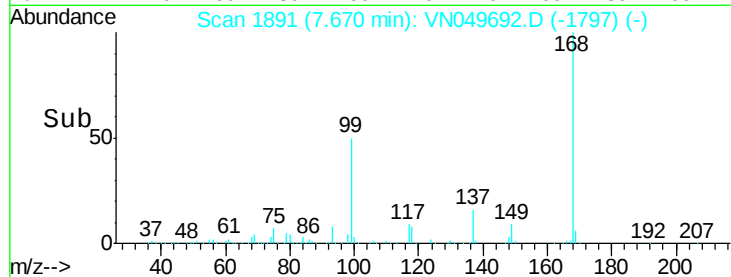
300000

200000

100000

0

Time-->



#17

Carbon Disulfide

Concen: 7.163 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049692.D

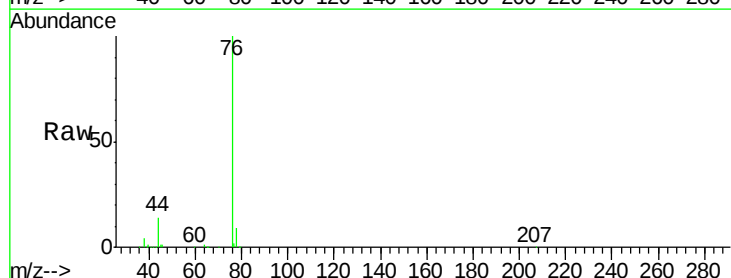
Acq: 3 Jul 2018 14:37

Tgt Ion: 76 Resp: 325943

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.05

120000

100000

80000

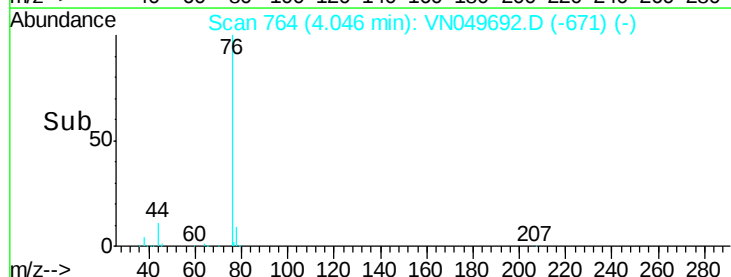
60000

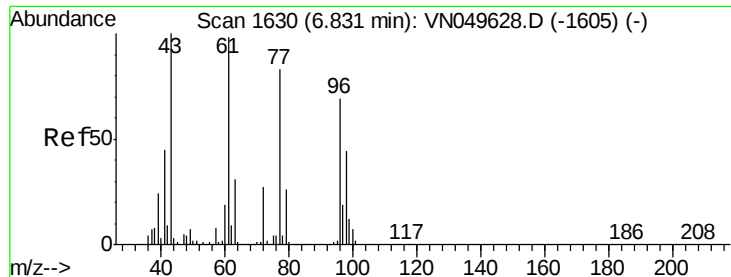
40000

20000

0

Time-->





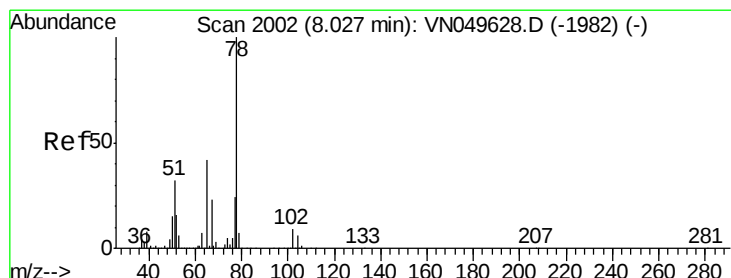
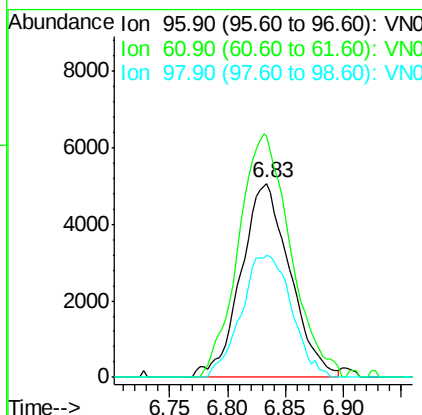
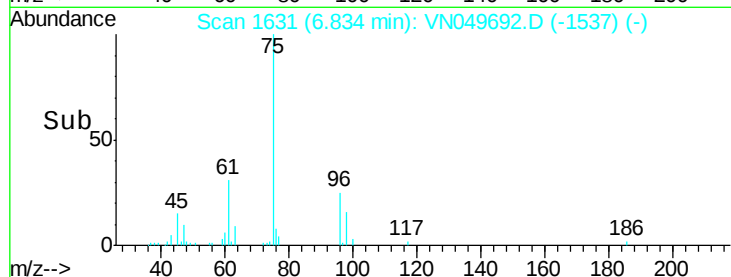
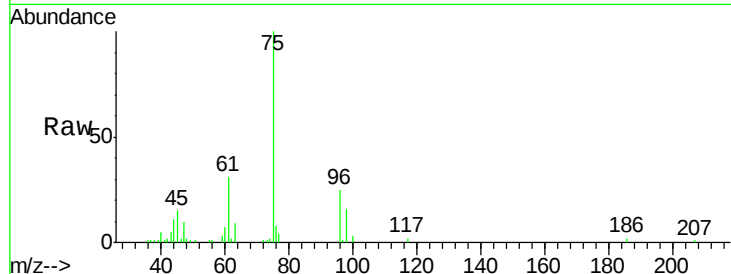
#27
 cis-1,2-Dichloroethene
 Concen: 0.817 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN049692.D
 Acq: 3 Jul 2018 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	289.0
98	64.6	0.0	130.2

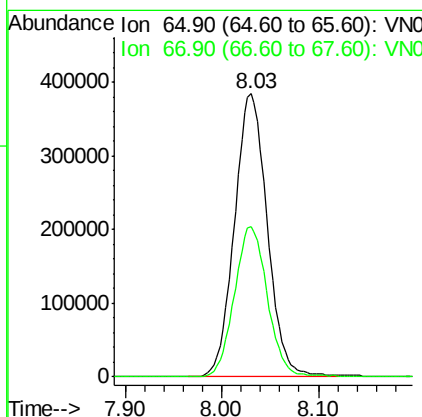
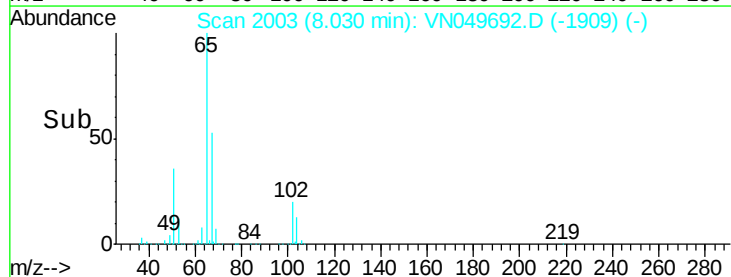
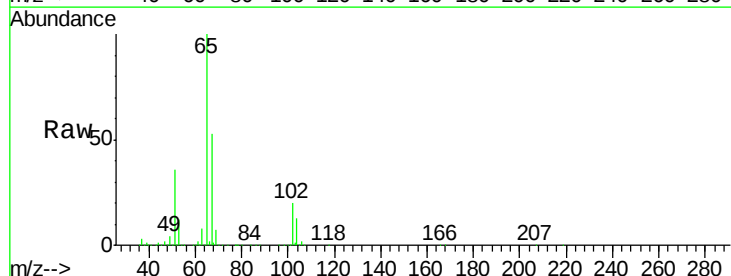
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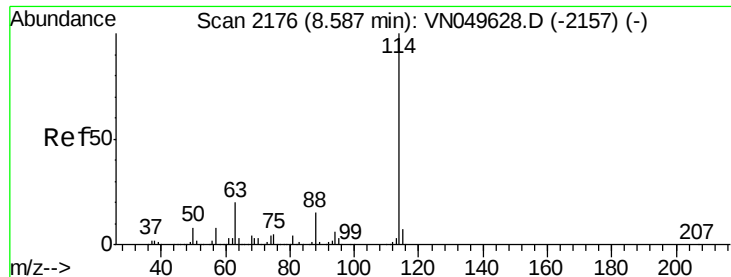
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#33
 1,2-Dichloroethane-d4
 Concen: 50.912 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049692.D
 Acq: 3 Jul 2018 14:37

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.2





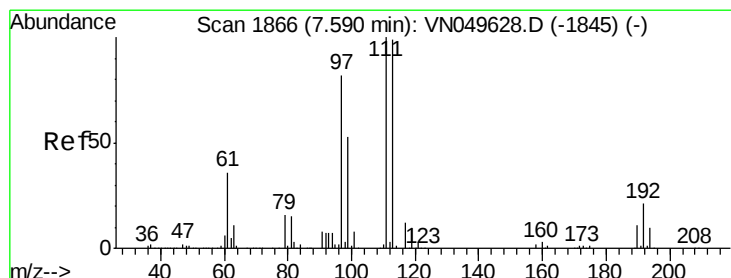
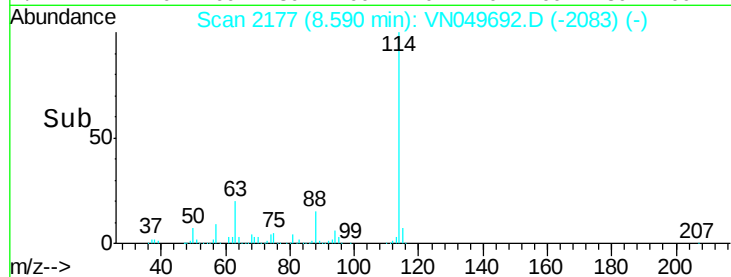
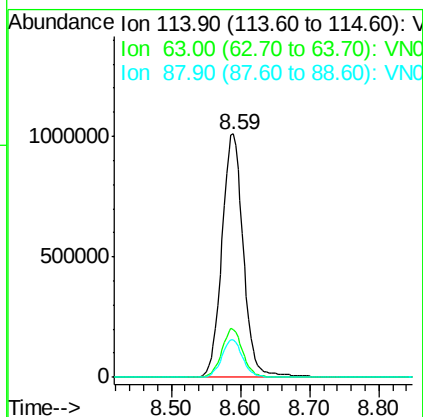
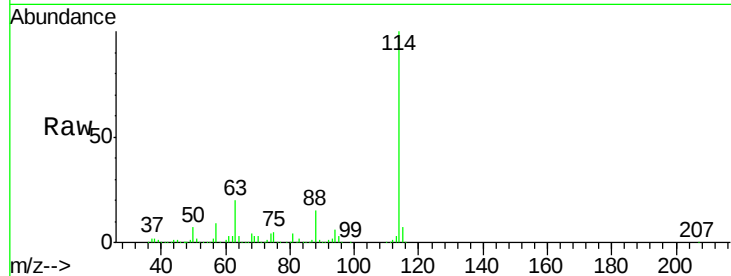
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049692.D
 Acq: 3 Jul 2018 14:37

Instrument :
 MSVOA_N
 ClientSampled :
 MW-6DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.8
88	15.4	0.0	30.6

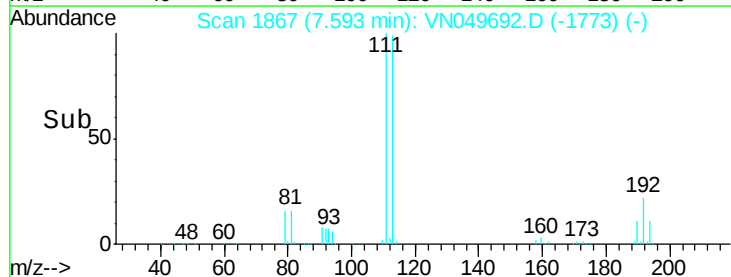
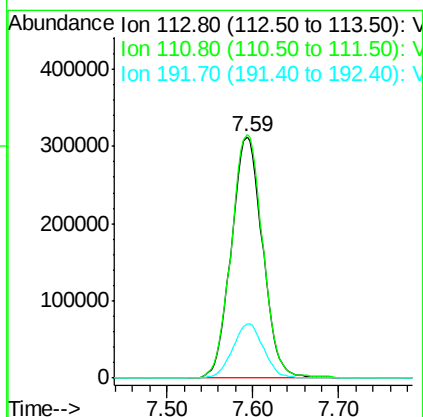
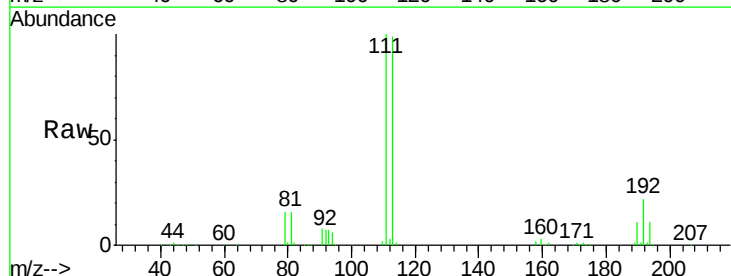
Manual Integrations
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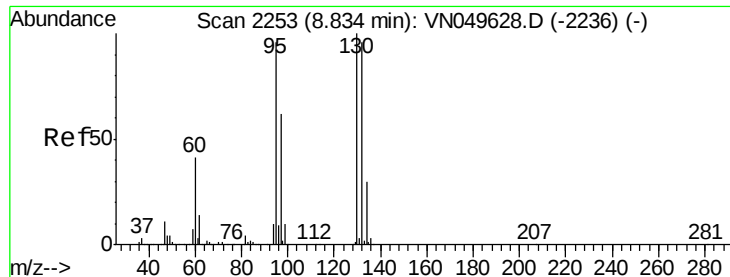
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#35
 Dibromofluoromethane
 Concen: 48.536 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049692.D
 Acq: 3 Jul 2018 14:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.8
192	22.4	17.8	26.6





#44

Trichloroethene

Concen: 0.571 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

MW-6DL

Tot Ion:130 Resp: 12864

Ion Ratio Lower Upper

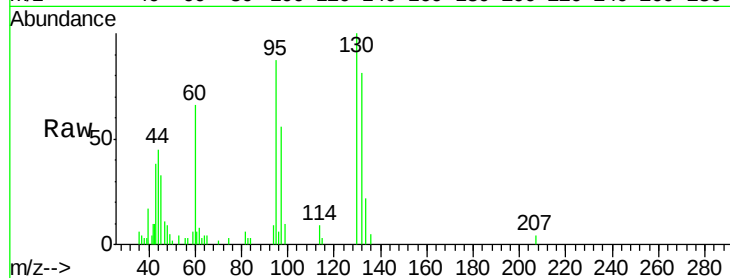
130 100

95 87.4 0.0 192.8

Manual Integrations
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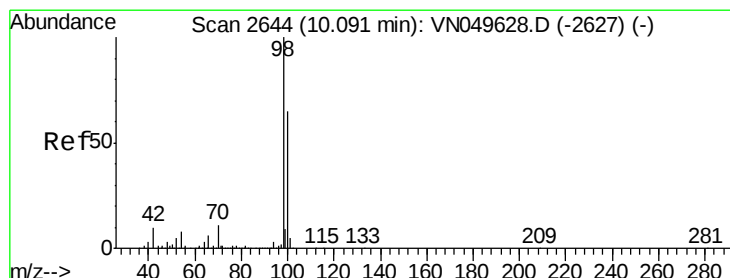
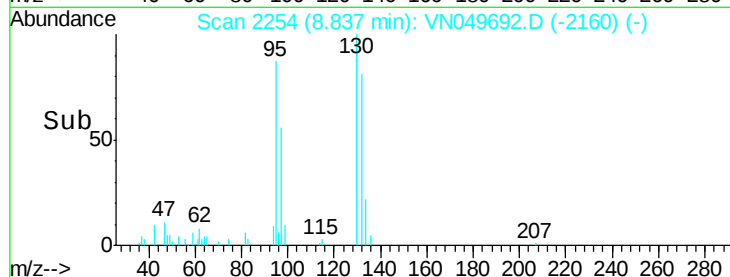
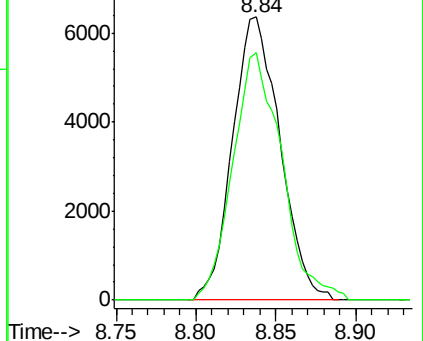
sam

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#50

Toluene-d8

Concen: 46.139 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049692.D

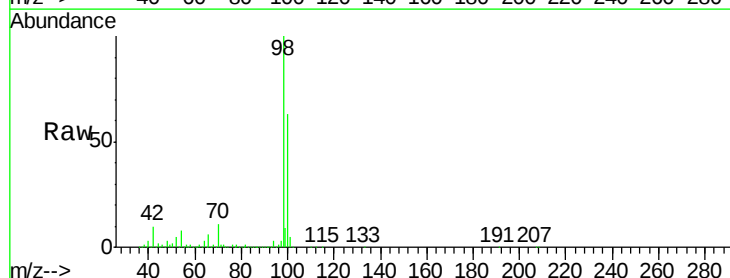
Acq: 3 Jul 2018 14:37

Tgt Ion: 98 Resp: 2936332

Ion Ratio Lower Upper

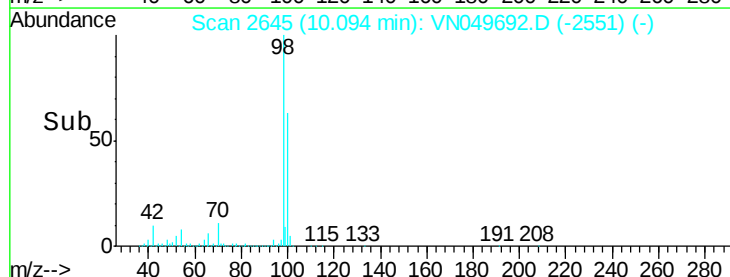
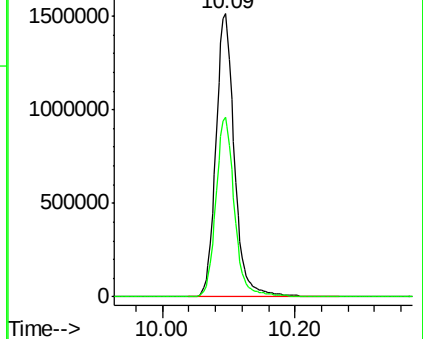
98 100

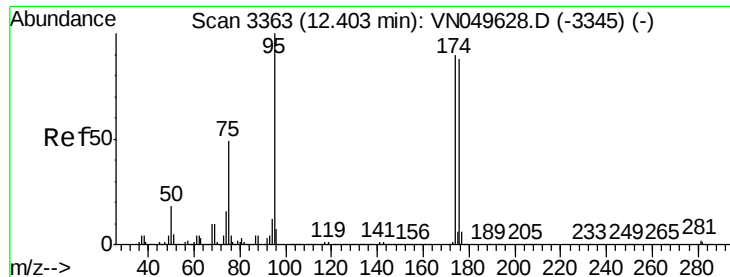
100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 43.771 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

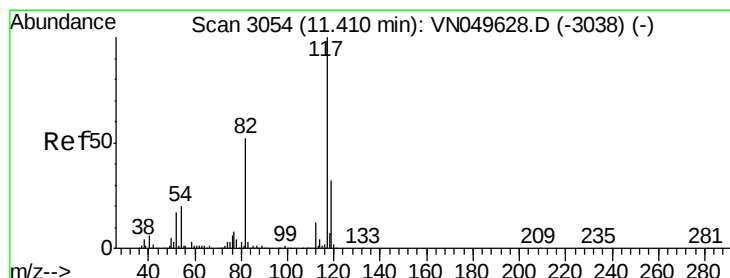
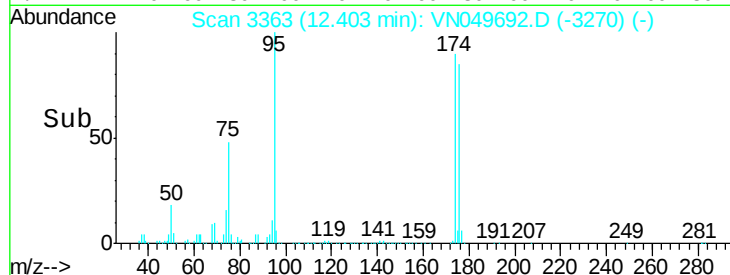
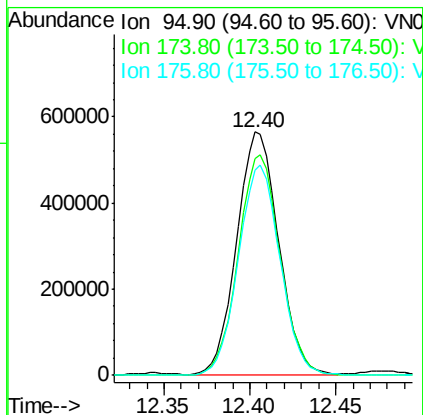
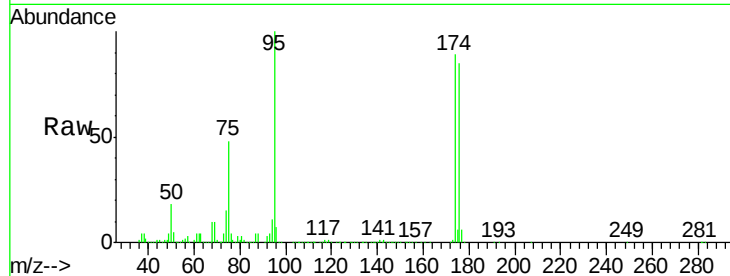
ClientSampleId :

MW-6DL

Tot Ion:	95	Resp:	951039
Ion Ratio	Lower	Upper	
95	100		
174	91.1	0.0	179.6
176	86.7	0.0	174.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

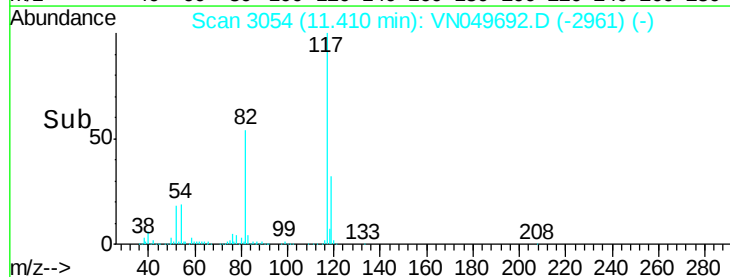
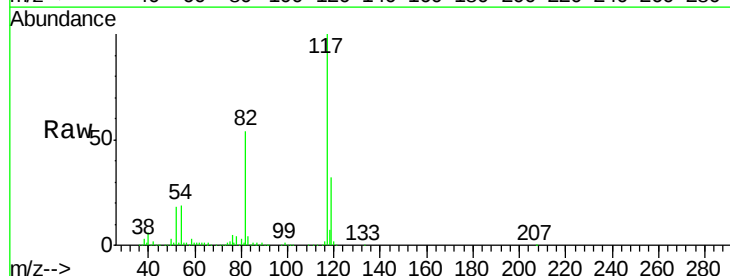
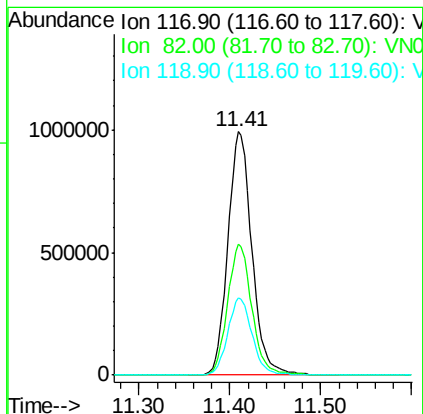
RT: 11.41 min Scan# 3054

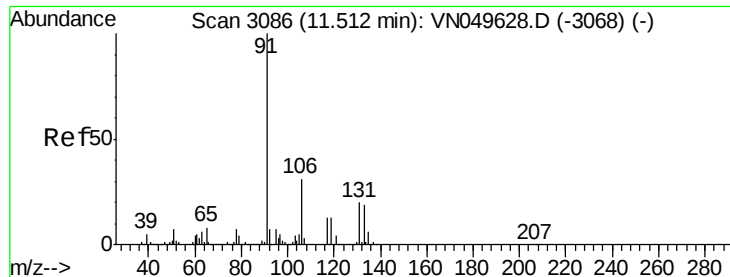
Delta R.T. -0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Tgt Ion:	117	Resp:	1817003
Ion Ratio	Lower	Upper	
117	100		
82	54.0	41.9	62.9
119	31.9	25.4	38.2





#67

Ethyl Benzene

Concen: 1.529 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

ClientSampled :

MW-6DL

Tot Ion: 91 Resp: 119768

Ion Ratio Lower Upper

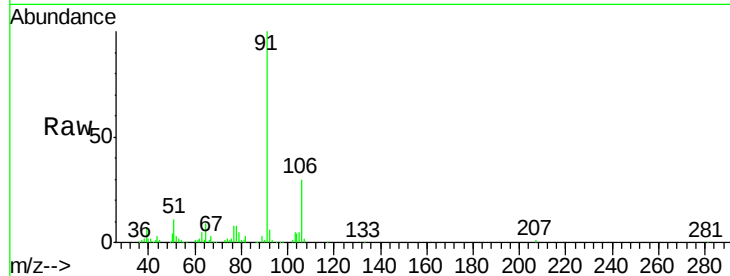
91 100

106 30.4 24.8 37.2

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

500000

400000

300000

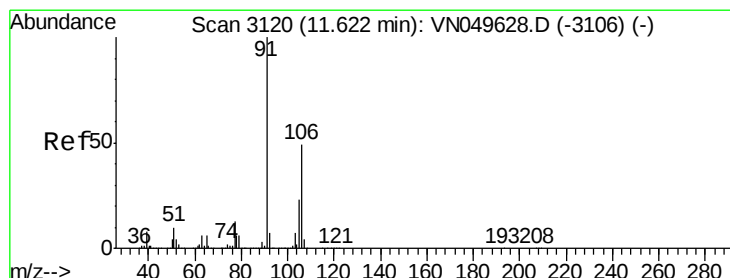
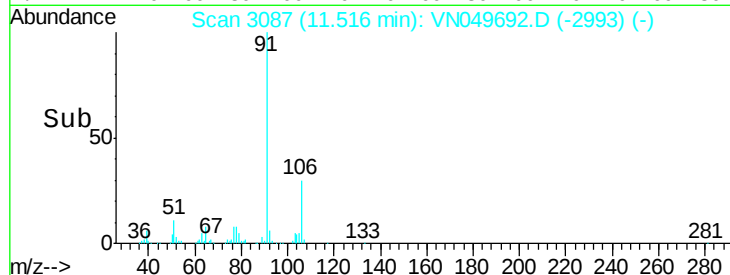
200000

100000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 13.439 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049692.D

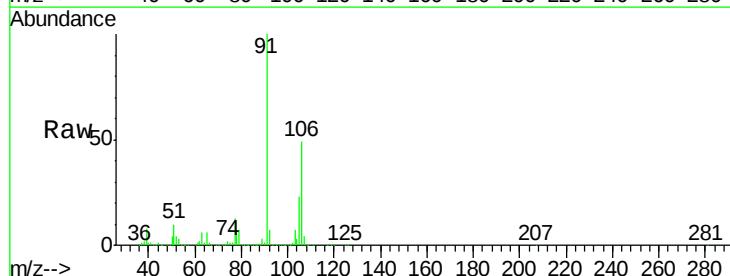
Acq: 3 Jul 2018 14:37

Tgt Ion: 106 Resp: 403537

Ion Ratio Lower Upper

106 100

91 201.6 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

300000

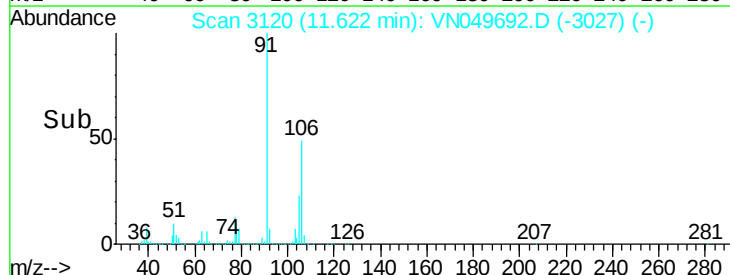
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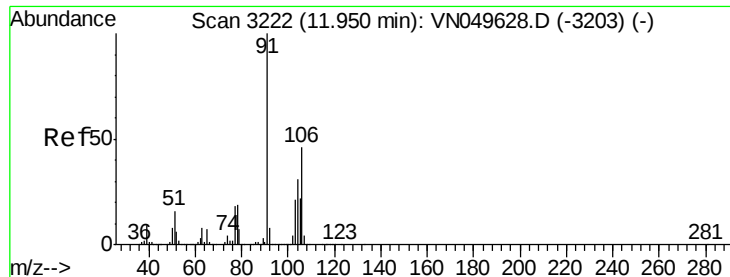
100000

0

11.50 11.60 11.70

Time-->





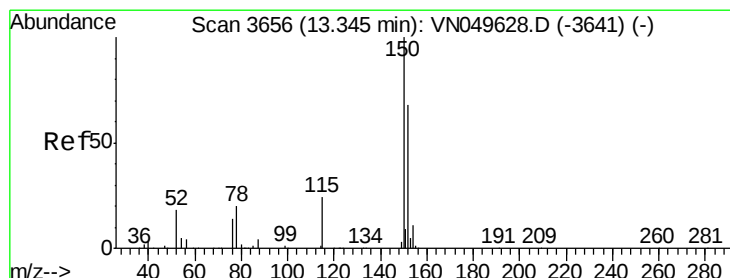
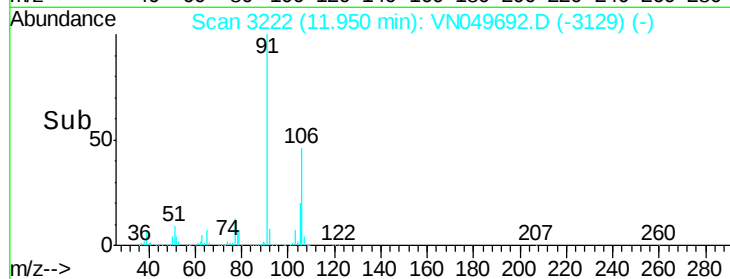
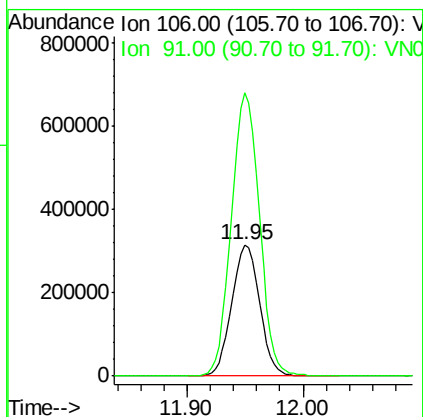
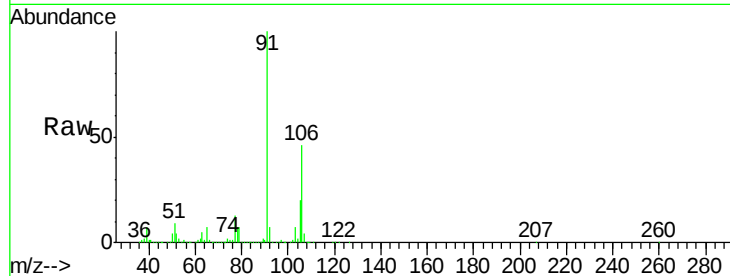
#69
o-Xylene
Concen: 18.221 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

Instrument :
MSVOA_N
ClientSampled :
MW-6DL

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.2	108.7	326.1

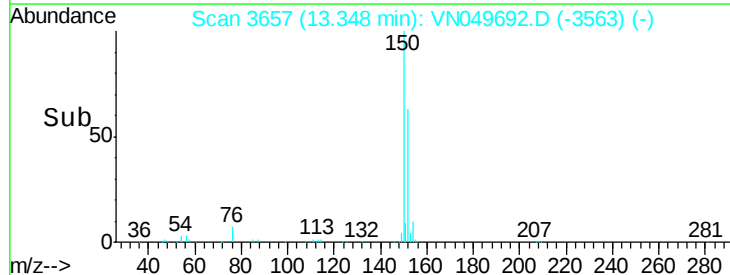
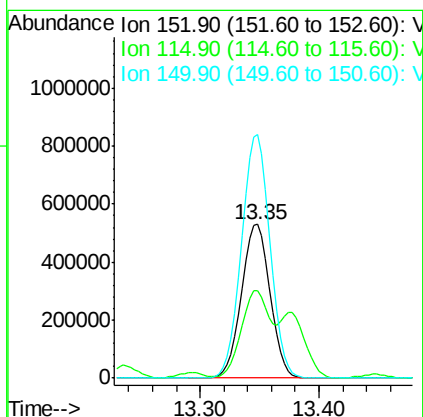
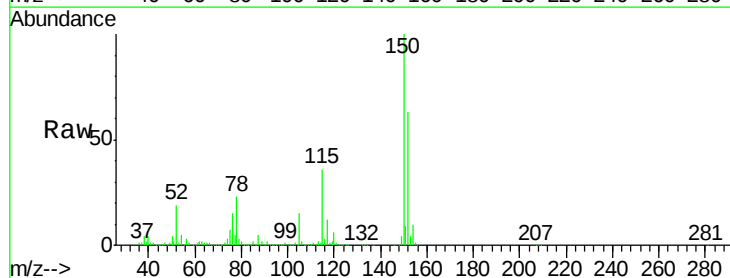
Manual Integrations
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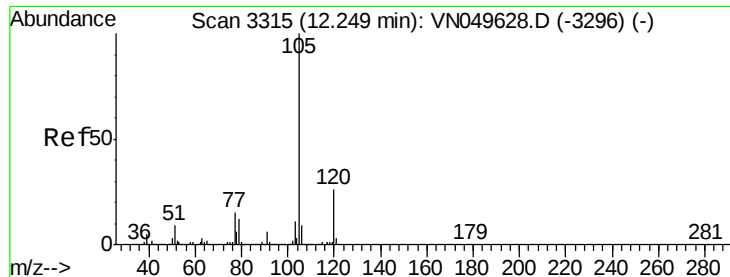
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.1	84.2
150	157.4	0.0	347.6





#73

Isopropylbenzene

Concen: 4.619 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

MW-6DL

Tot Ion: 105 Resp: 324464

Ion Ratio Lower Upper

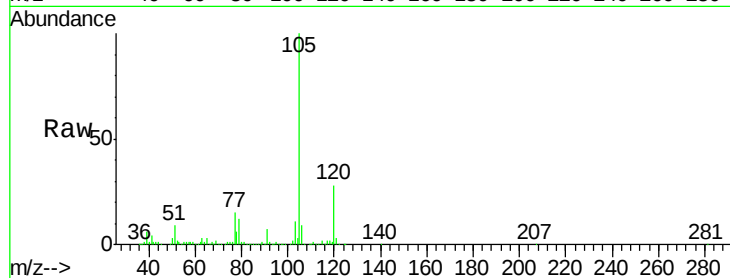
105 100

120 27.1 13.3 39.8

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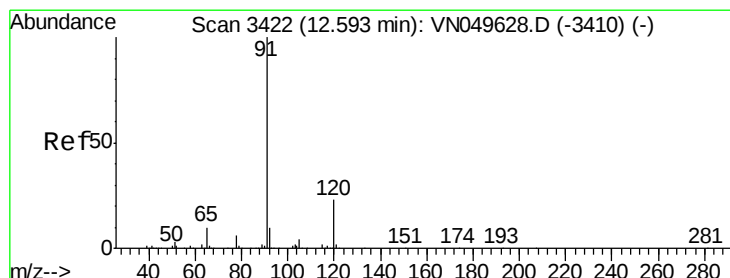
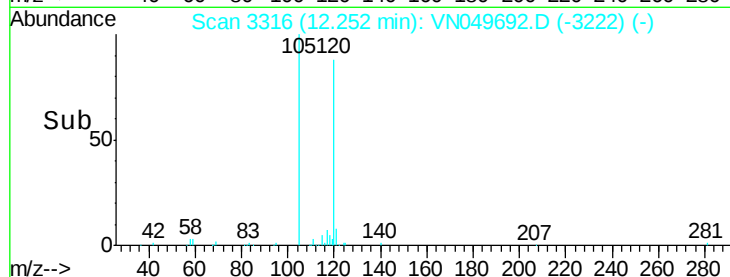
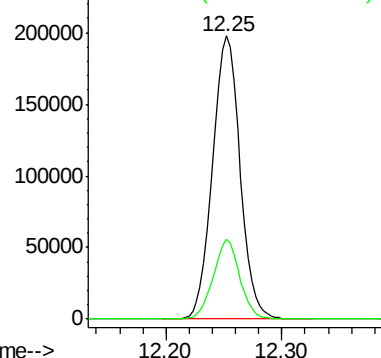
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 10.715 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049692.D

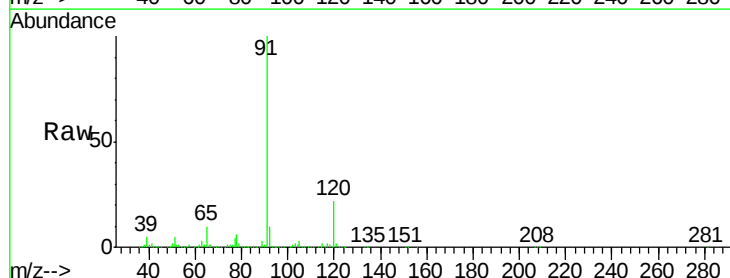
Acq: 3 Jul 2018 14:37

Tgt Ion: 91 Resp: 862697

Ion Ratio Lower Upper

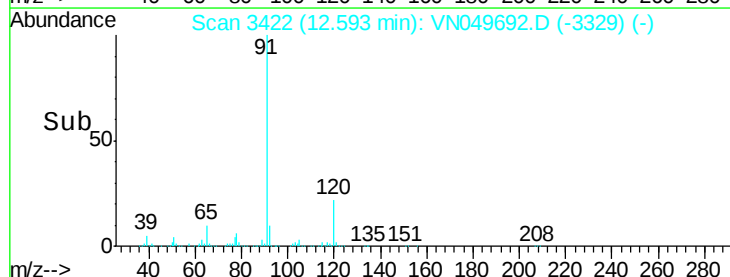
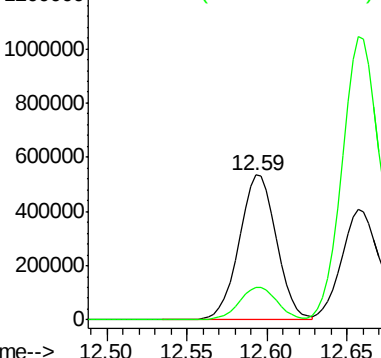
91 100

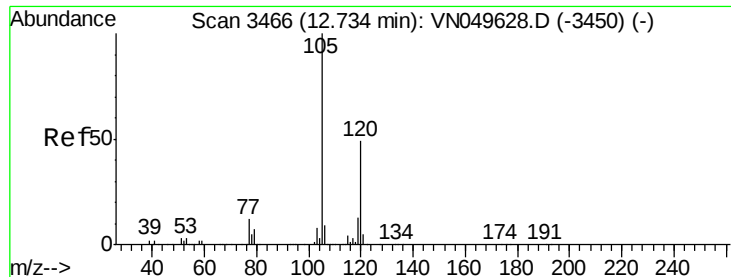
120 23.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 79.572 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

ClientSampled :

MW-6DL

Tot Ion:105 Resp: 4645136

Ion Ratio Lower Upper

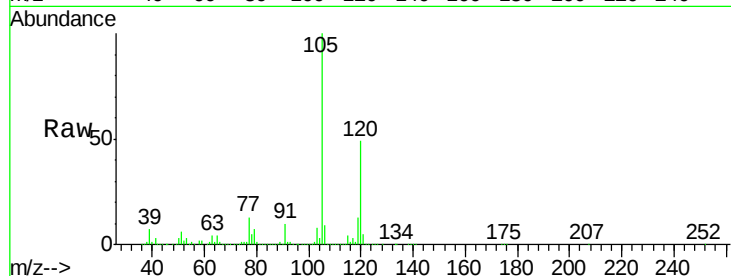
105 100

120 49.1 24.3 72.8

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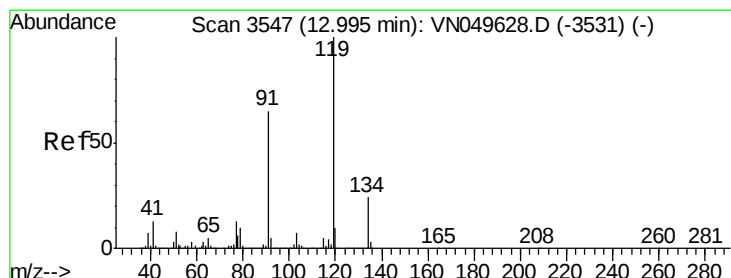
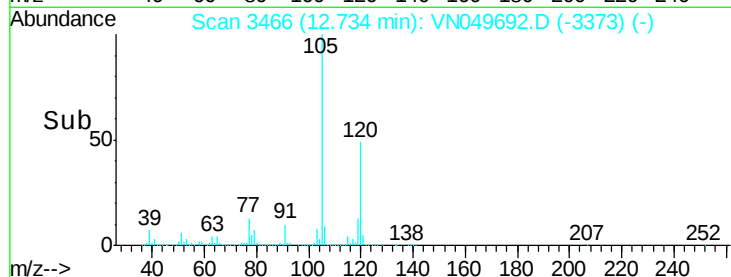
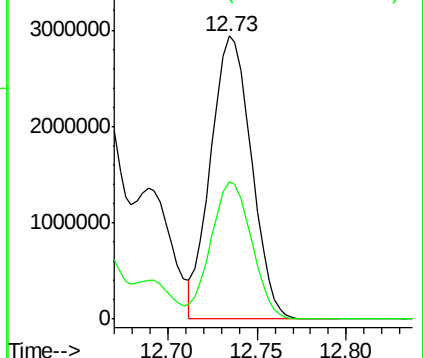
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 1.758 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

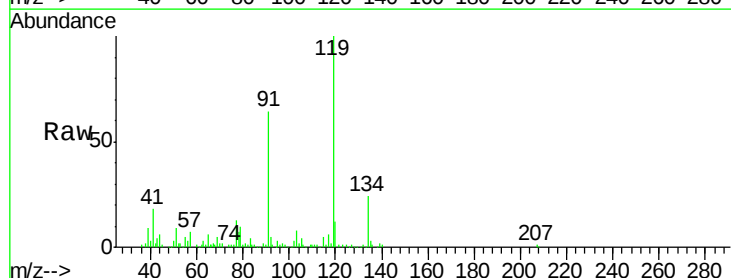
Tgt Ion:119 Resp: 88156

Ion Ratio Lower Upper

119 100

91 66.5 32.0 96.2

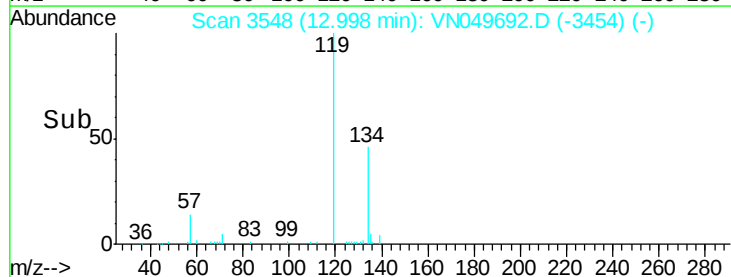
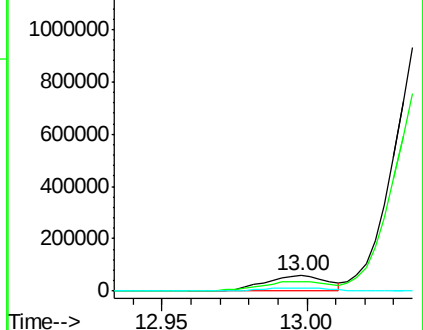
134 26.2 12.8 38.4

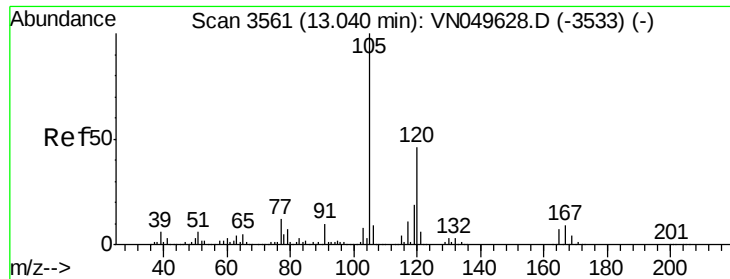


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 230.006 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

MW-6DL

Tot Ion:105 Resp:13796762

Ion Ratio Lower Upper

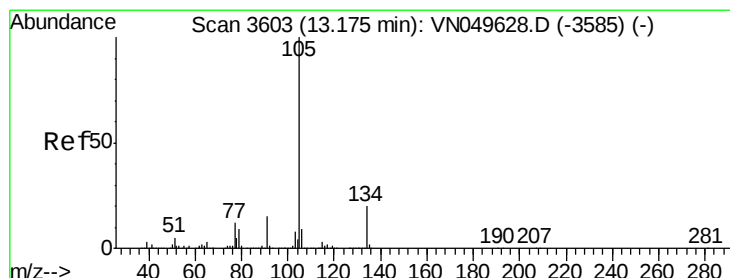
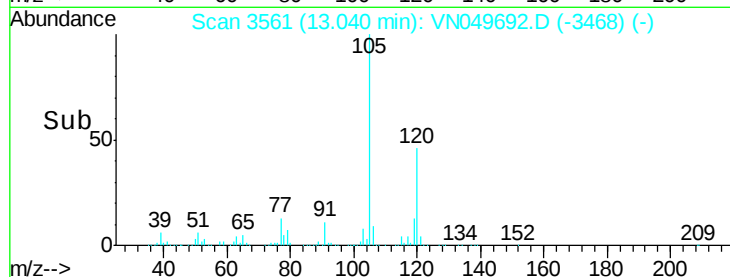
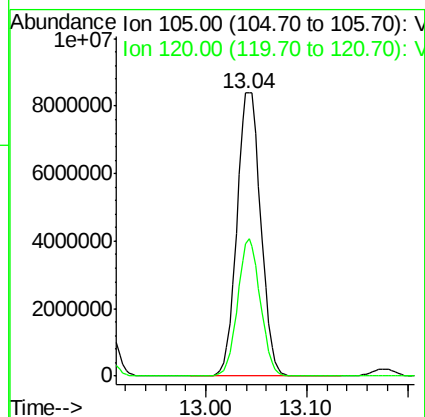
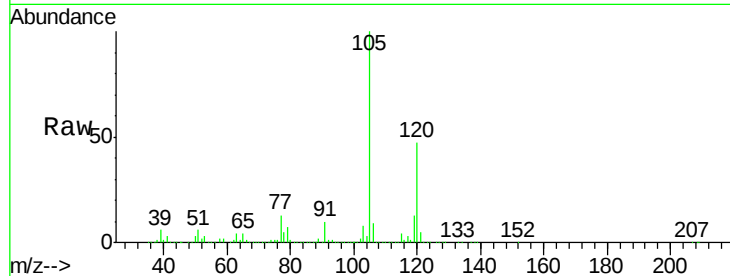
105 100

120 46.1 22.7 68.1

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#85

sec-Butylbenzene

Concen: 5.285 ug/l m

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049692.D

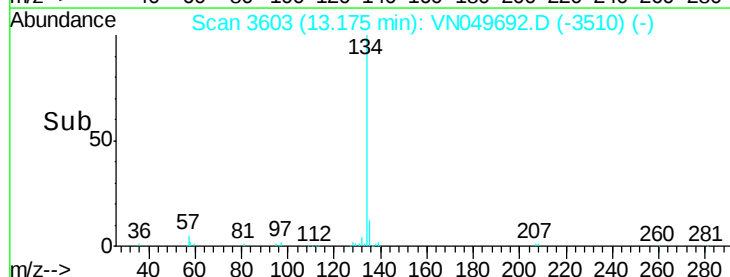
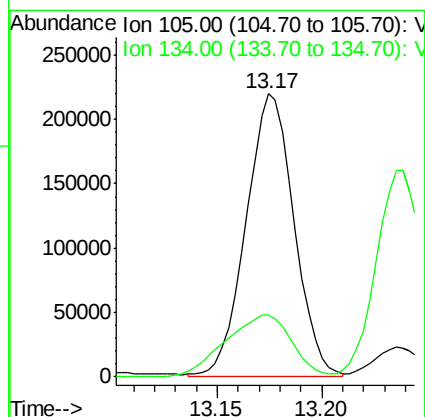
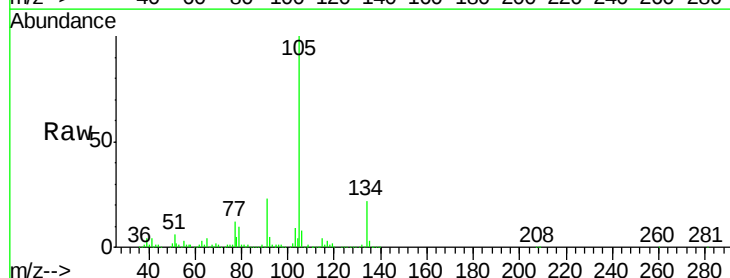
Acq: 3 Jul 2018 14:37

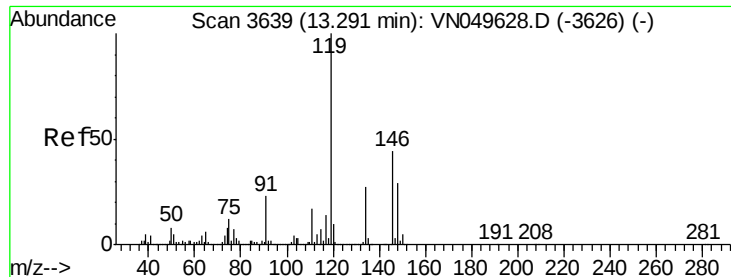
Tgt Ion:105 Resp: 351177

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#





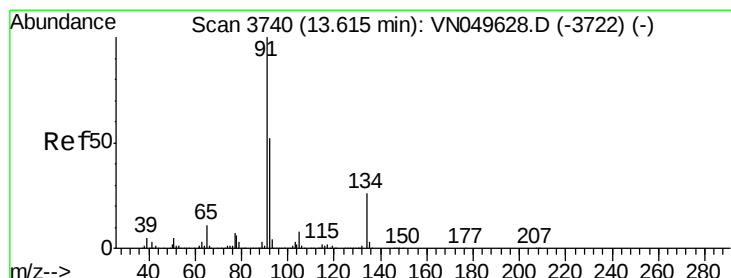
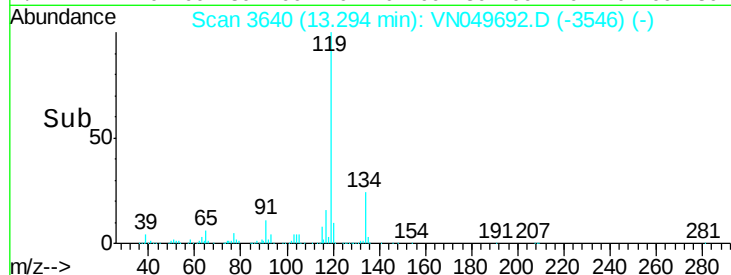
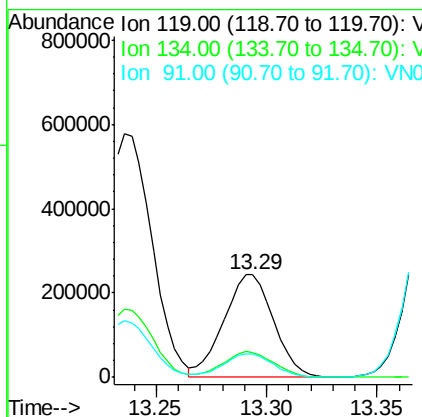
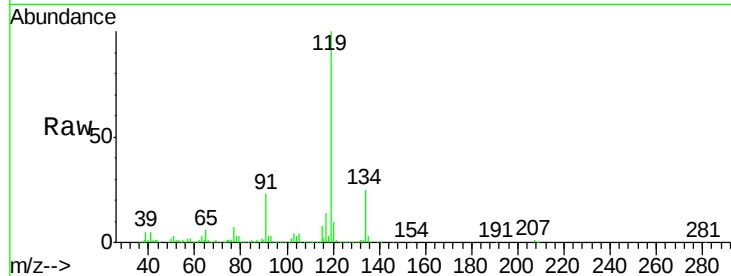
#86
 p-Isopropyltoluene
 Concen: 6.596 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN049692.D
 Acq: 3 Jul 2018 14:37

Instrument :
 MSVOA_N
 ClientSampled :
 MW-6DL

Tot Ion:	119	Resp:	379618
Ion Ratio	Lower	Upper	
119	100		
134	25.0	13.3	39.9
91	22.2	11.4	34.1

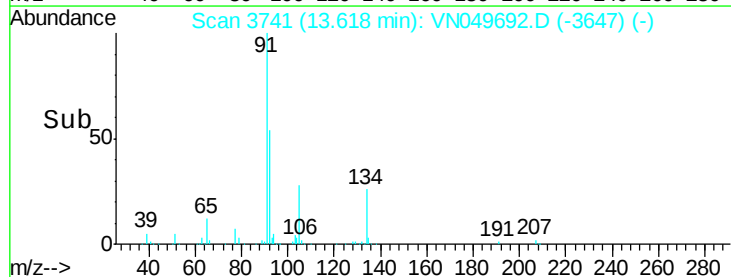
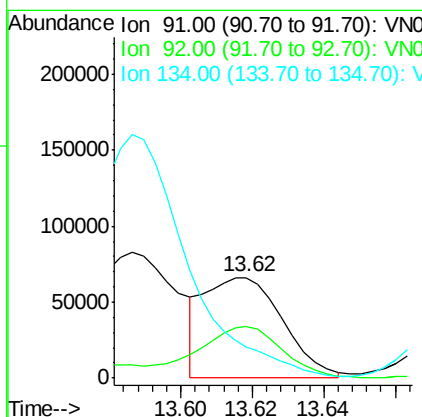
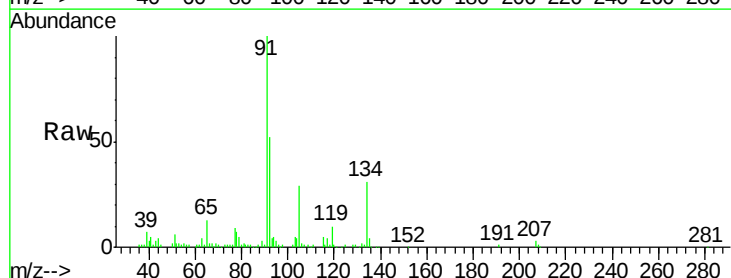
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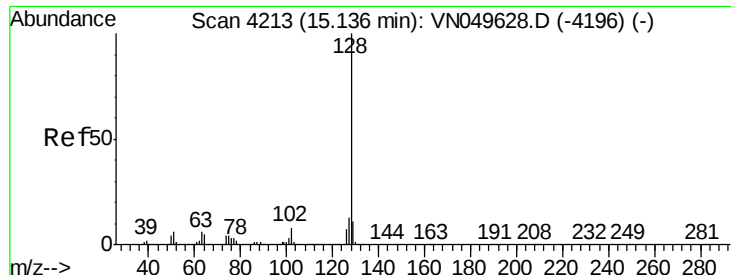
sam
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#89
 n-Butylbenzene
 Concen: 2.064 ug/l m
 RT: 13.62 min Scan# 3741
 Delta R.T. 0.00 min
 Lab File: VN049692.D
 Acq: 3 Jul 2018 14:37

Tgt Ion:	91	Resp:	101706
Ion Ratio	Lower	Upper	
91	100		
92	6.7	25.8	77.3#
134	288.8	13.0	38.9#





#95
Naphthalene
Concen: 8.103 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
MW-6DL

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.7	8.6	13.0

Manual Integrations
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