

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082218\
 Data File : VN050835.D
 Acq On : 22 Aug 2018 21:37
 Operator : MD\SY
 Sample : J4586-02 DL 40X
 Misc : 6.61g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-240-UST-SLUDGEDL

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 12:27:30 PM

Quant Time: Aug 23 10:48:19 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	733141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1159774	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1011219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	456930	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	450637	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.12%	
35) Dibromofluoromethane	7.59	113	424912	46.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.10%	
50) Toluene-d8	10.09	98	1606348	46.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.14%	
62) 4-Bromofluorobenzene	12.40	95	524759	45.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.66	56	30159	2.46	ug/l	# 31
39) Methylcyclohexane	9.08	83	44379	3.00	ug/l	98
40) Benzene	8.04	78	112590	2.73	ug/l	99
52) Toluene	10.16	92	450765	18.44	ug/l	98
67) Ethyl Benzene	11.51	91	452301	10.53	ug/l	98
68) m/p-Xylenes	11.62	106	714559	43.81	ug/l	99
69) o-Xylene	11.95	106	308630	19.68	ug/l	100
73) Isopropylbenzene	12.25	105	64479	1.70	ug/l	98
78) n-propylbenzene	12.59	91	237580	5.62	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	363258	11.90	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1339592	43.62	ug/l	99
89) n-Butylbenzene	13.61	91	49550	2.10	ug/l	# 63
91) 1,2-Dichlorobenzene	13.65	146	51832	3.08	ug/l	95
95) Naphthalene	15.13	128	585993	34.03	ug/l	99

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

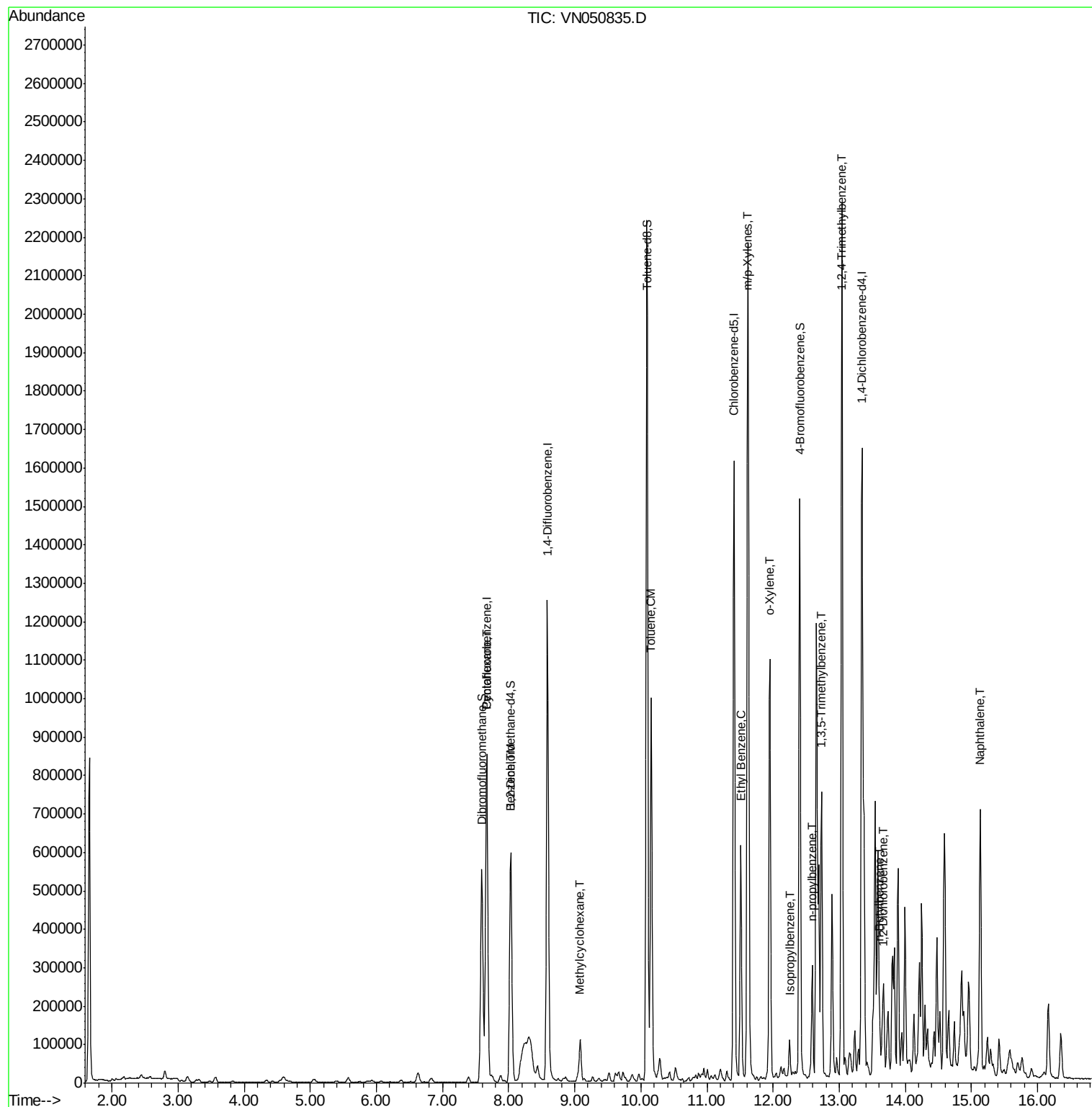
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
Data File : VN050835.D
Acq On : 22 Aug 2018 21:37
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Misc : 6.61g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 28 Sample Multiplier: 1

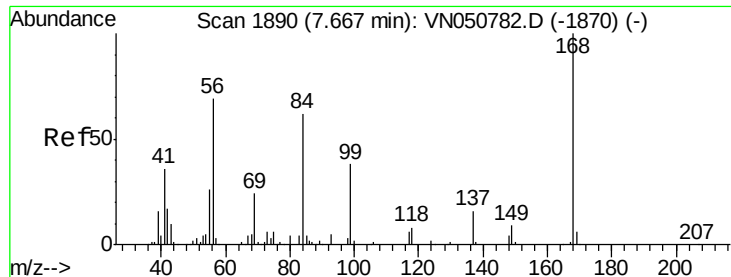
Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGEDL

Manual Integrations
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Quant Time: Aug 23 10:48:19 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050835.D

Acq: 22 Aug 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-240-UST-SLUGEDL

Tot Ion:168 Resp: 733141

Ion Ratio Lower Upper

168 100

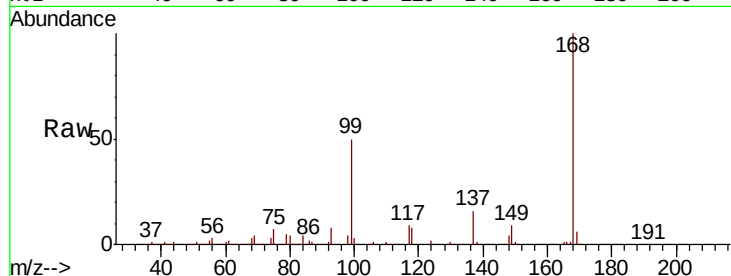
99 49.6 39.6 59.4

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

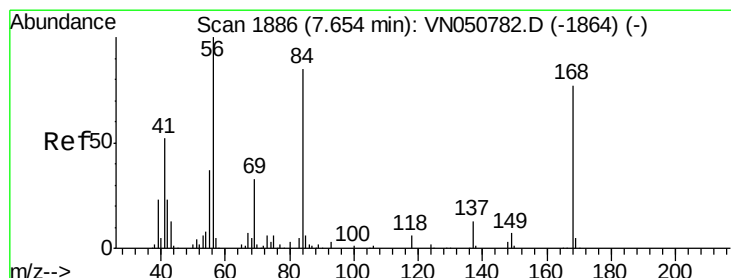
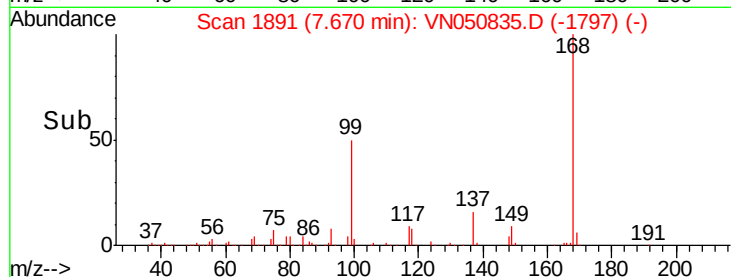
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#31

Cyclohexane

Concen: 2.46 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050835.D

Acq: 22 Aug 2018 21:37

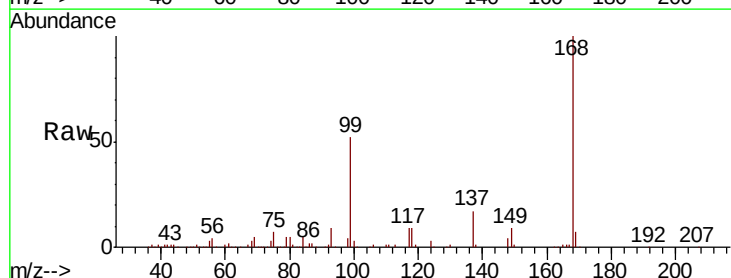
Tgt Ion: 56 Resp: 30159

Ion Ratio Lower Upper

56 100

69 117.2 26.2 39.4#

84 119.6 68.3 102.5#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

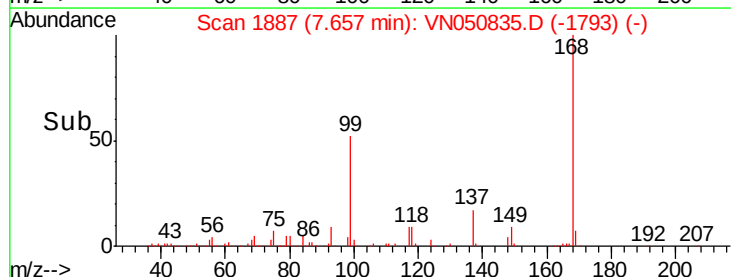
15000

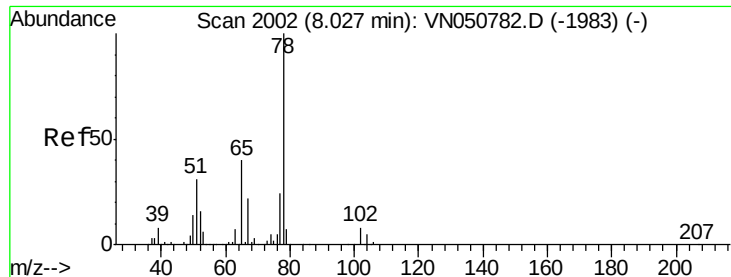
10000

5000

0

Time--> 7.55 7.60 7.65 7.70 7.75





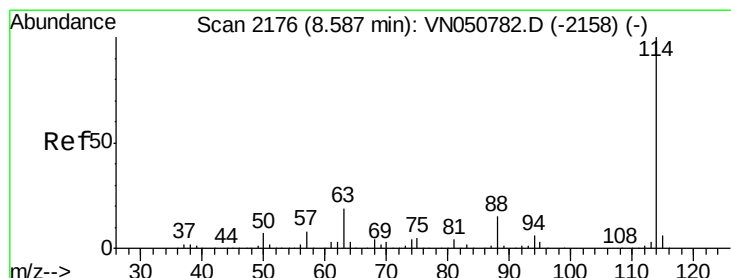
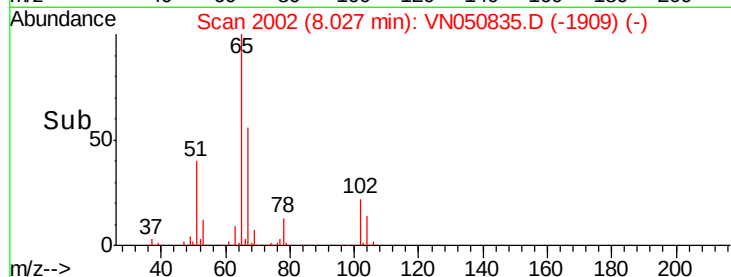
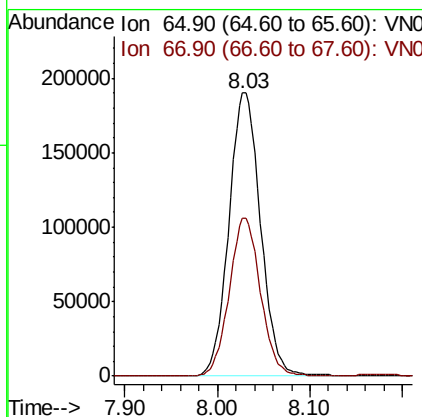
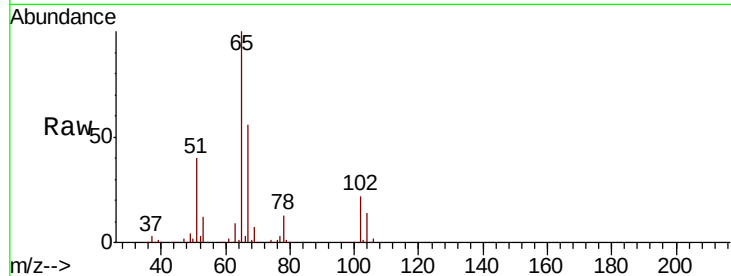
#33
 1,2-Dichloroethane-d4
 Concen: 51.06 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050835.D
 Acq: 22 Aug 2018 21:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-240-UST-SLUDGEDL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	450637		
67	55.2	0.0	110.4	

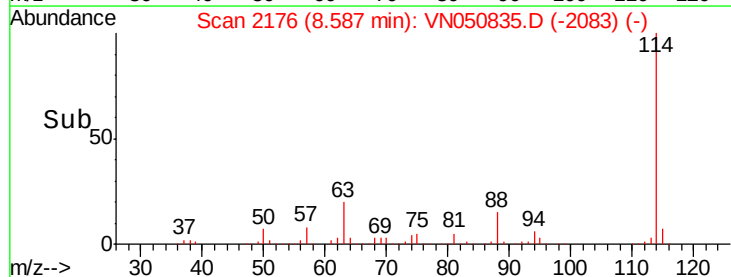
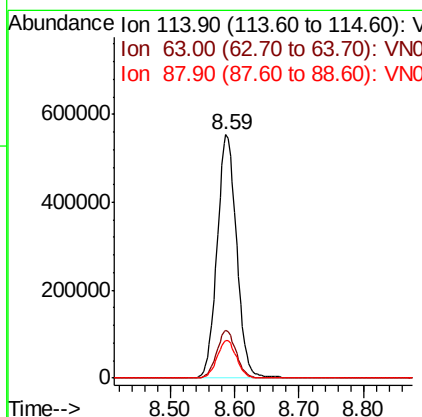
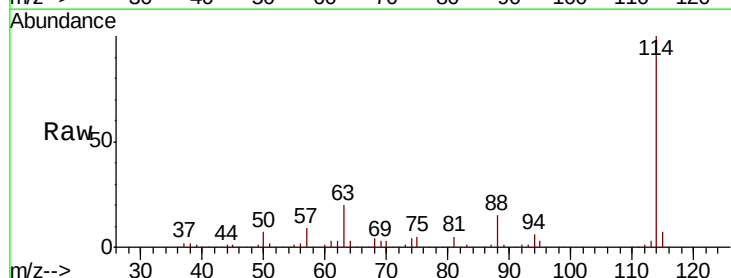
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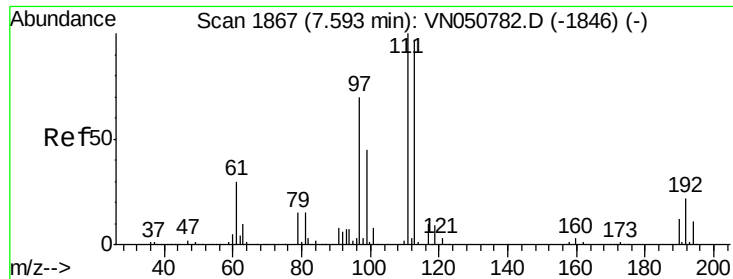
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050835.D
 Acq: 22 Aug 2018 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1159774		
63	19.6	0.0	38.6	
88	15.4	0.0	30.6	





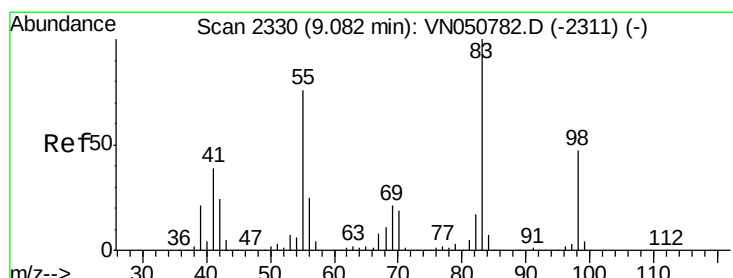
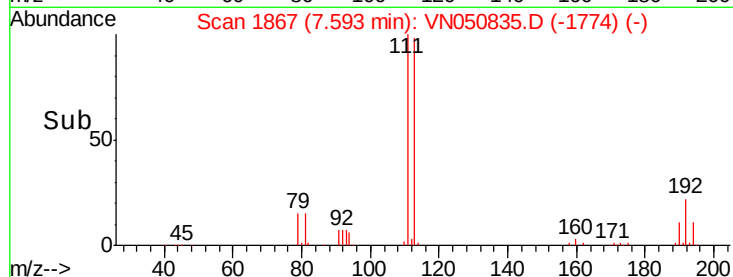
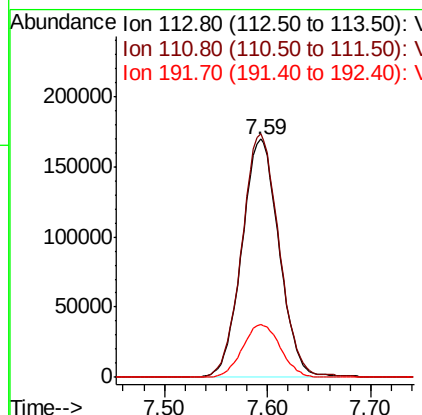
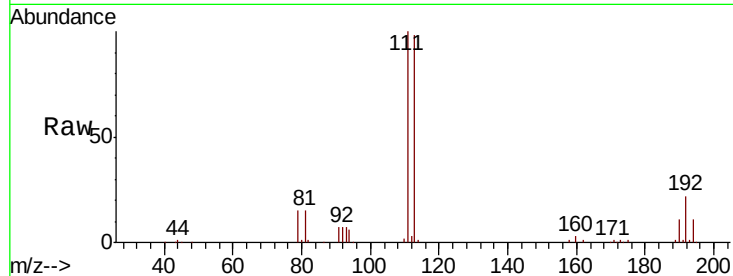
#35
 Dibromofluoromethane
 Concen: 46.05 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050835.D
 Acq: 22 Aug 2018 21:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-240-UST-SLUGEDL

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	82.6	123.8	
192	22.7	18.0	27.0	

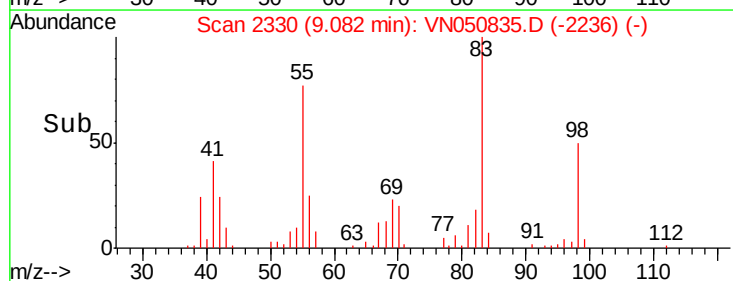
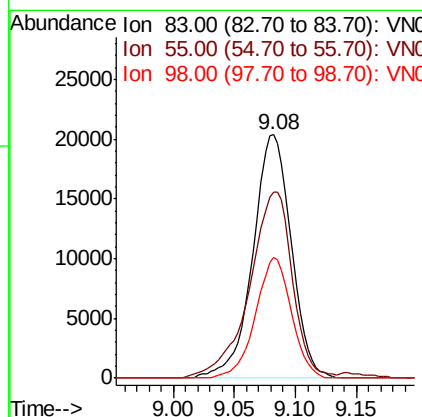
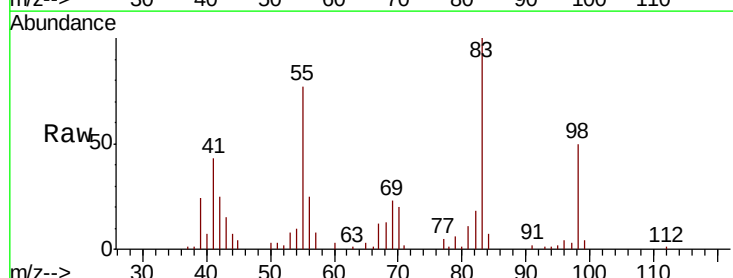
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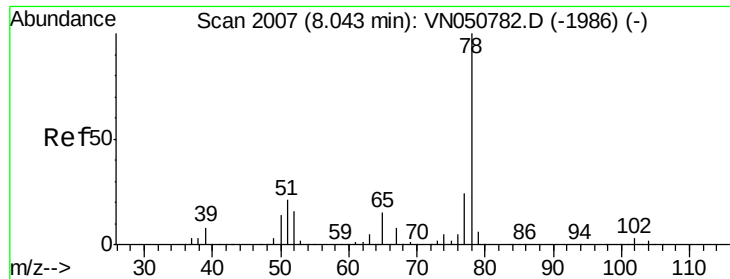
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#39
 Methylcyclohexane
 Concen: 3.00 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050835.D
 Acq: 22 Aug 2018 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.5	61.0	91.4	
98	49.7	37.5	56.3	





#40

Benzene

Concen: 2.73 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050835.D

Acq: 22 Aug 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-240-UST-SLUDGEDL

Tot Ion: 78 Resp: 112590

Ion Ratio Lower Upper

78 100

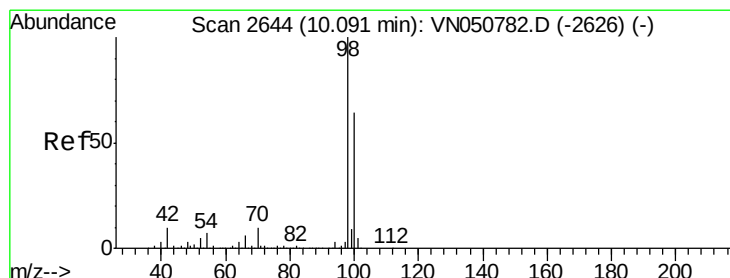
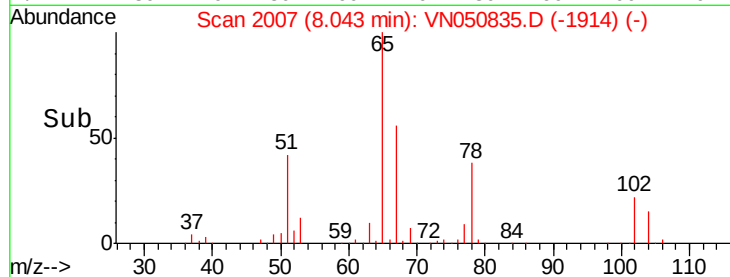
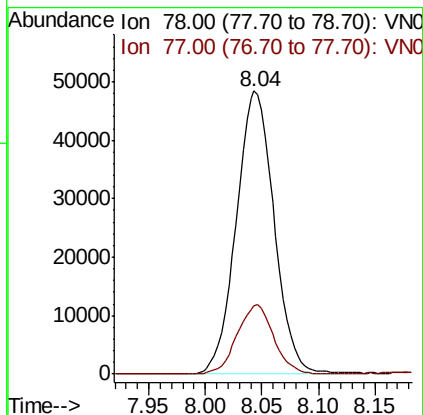
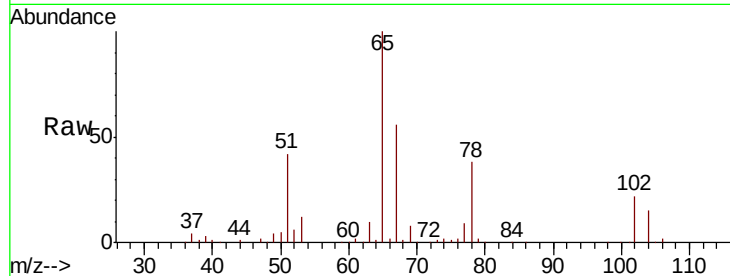
77 24.3 19.0 28.4

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#50

Toluene-d8

Concen: 46.57 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050835.D

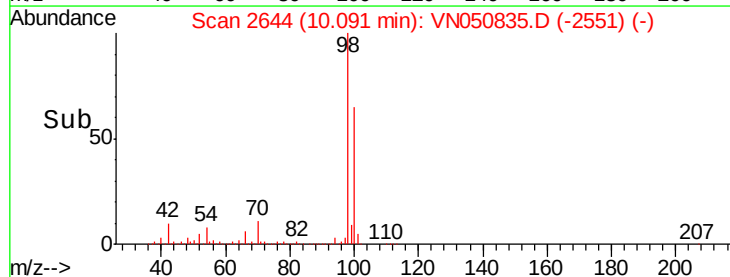
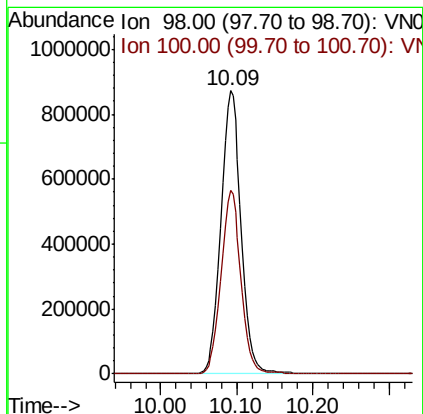
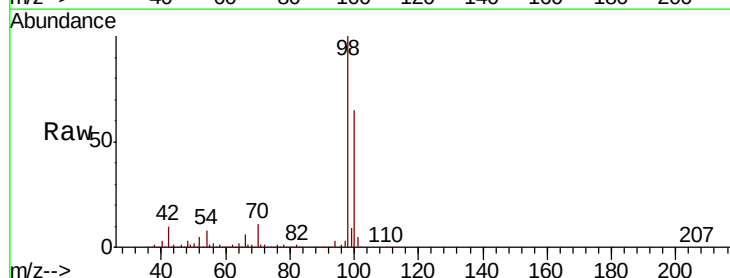
Acq: 22 Aug 2018 21:37

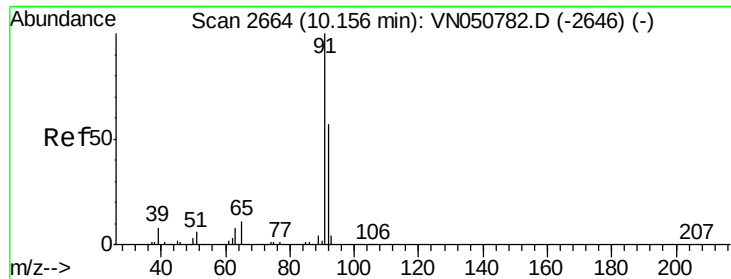
Tgt Ion: 98 Resp: 1606348

Ion Ratio Lower Upper

98 100

100 63.9 51.5 77.3





#52

Toluene

Concen: 18.44 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050835.D

Acq: 22 Aug 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-240-UST-SLUDGEDL

Tot Ion: 92 Resp: 450765

Ion Ratio Lower Upper

92 100

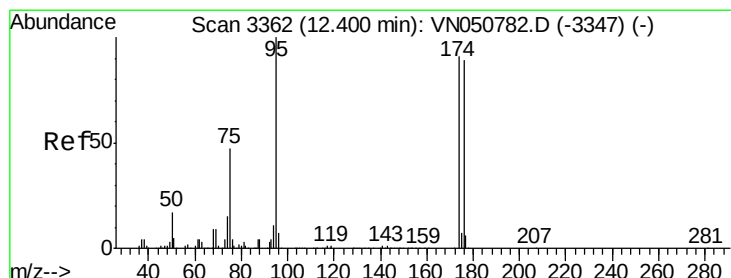
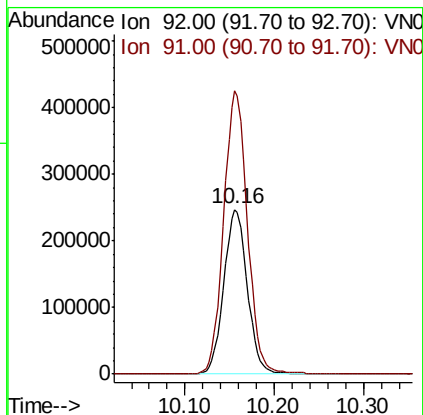
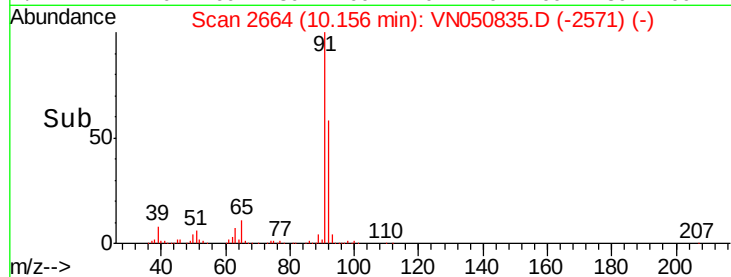
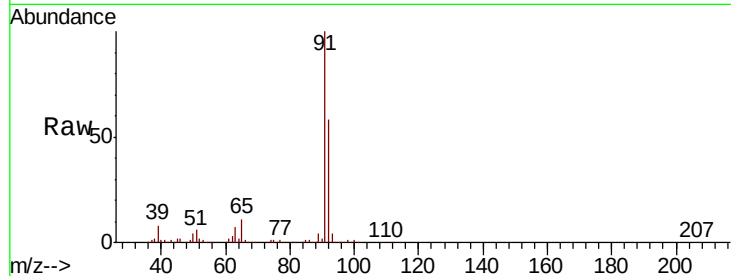
91 173.6 140.6 211.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 45.78 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050835.D

Acq: 22 Aug 2018 21:37

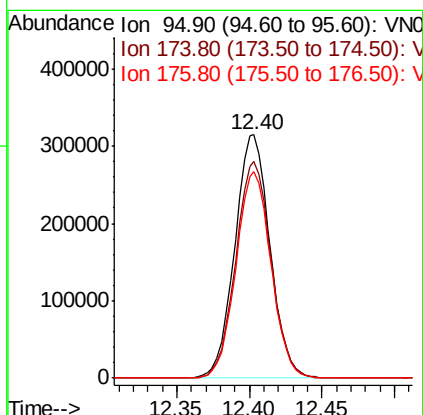
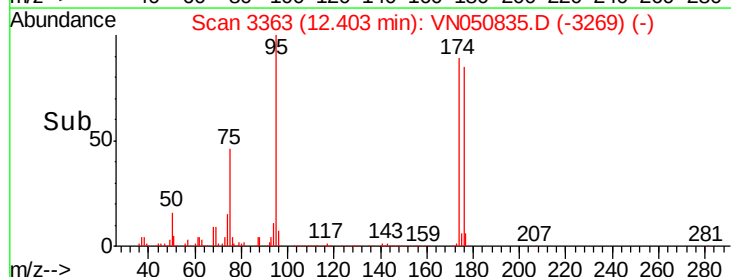
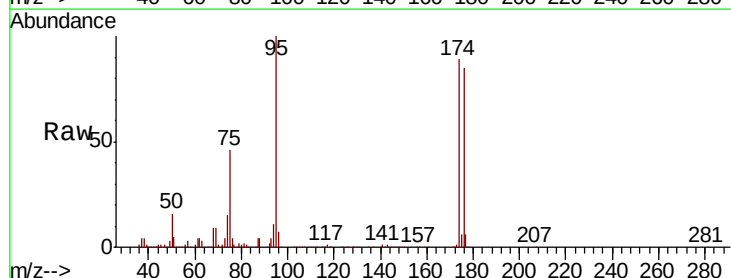
Tgt Ion: 95 Resp: 524759

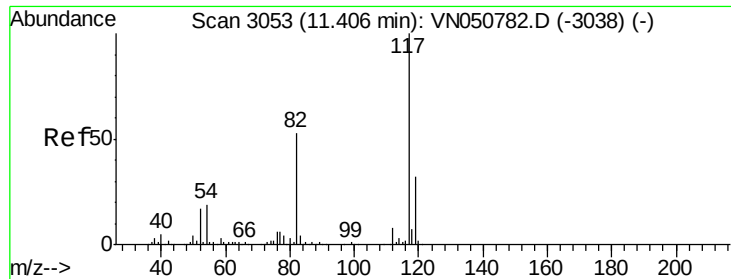
Ion Ratio Lower Upper

95 100

174 90.2 0.0 183.0

176 85.5 0.0 178.8





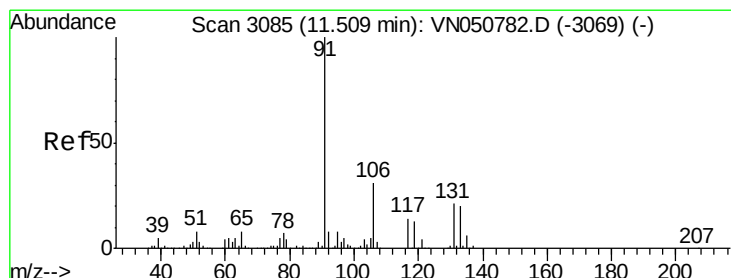
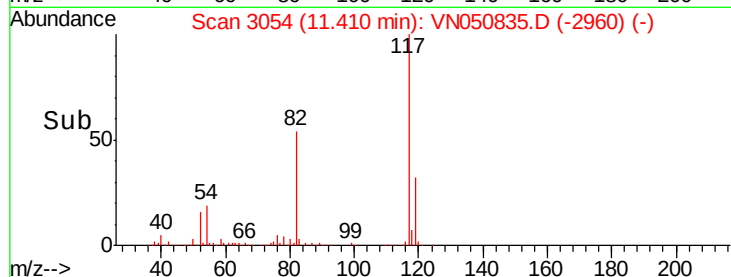
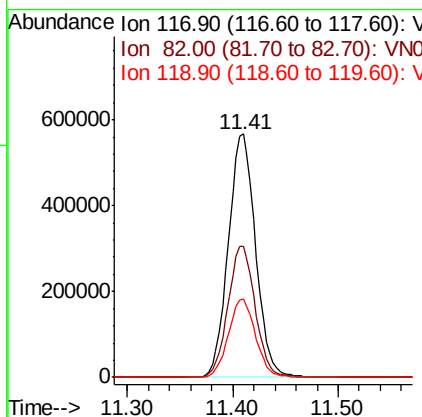
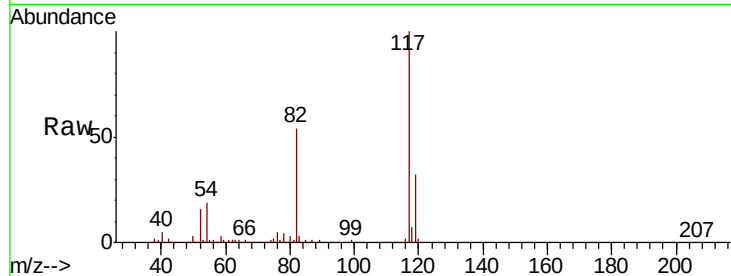
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050835.D
Acq: 22 Aug 2018 21:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGEDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.6	64.0
119	32.0	25.8	38.6

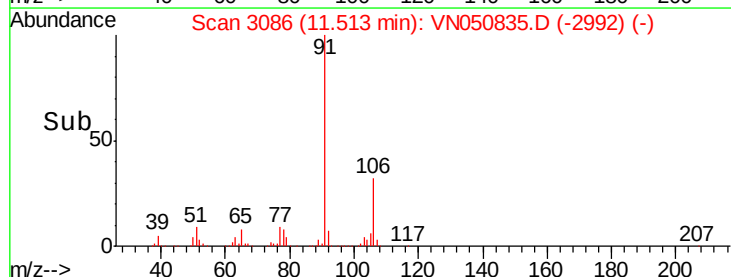
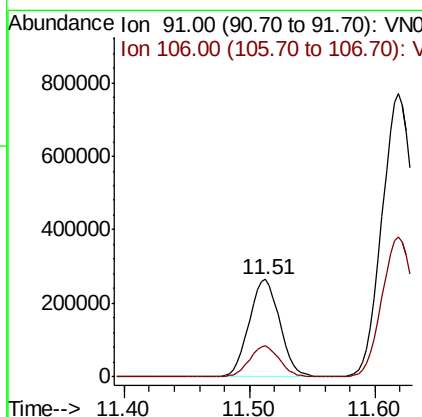
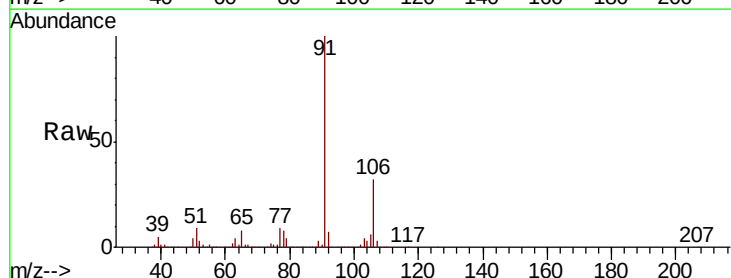
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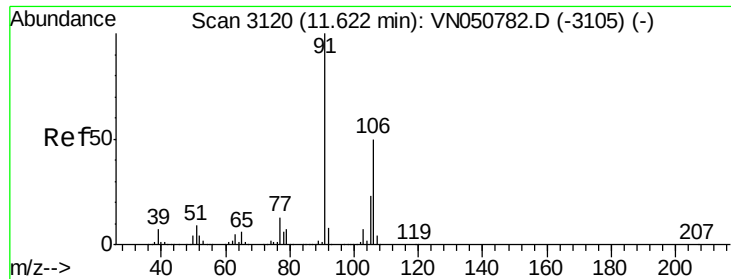
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#67
Ethyl Benzene
Concen: 10.53 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050835.D
Acq: 22 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.0	37.4





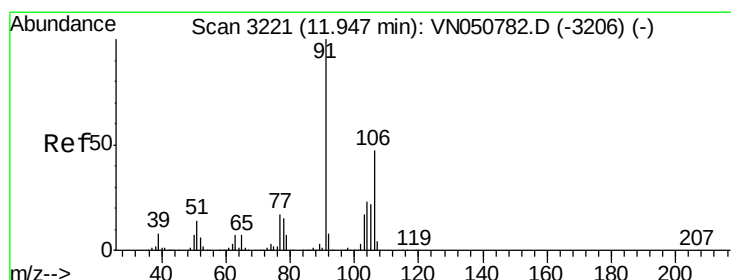
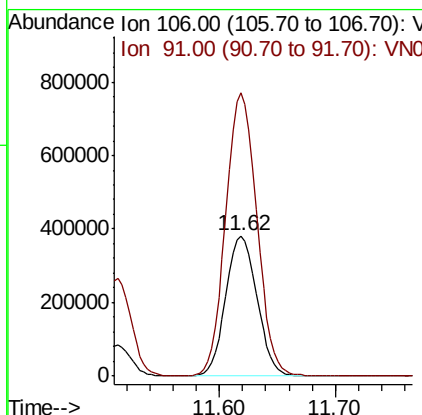
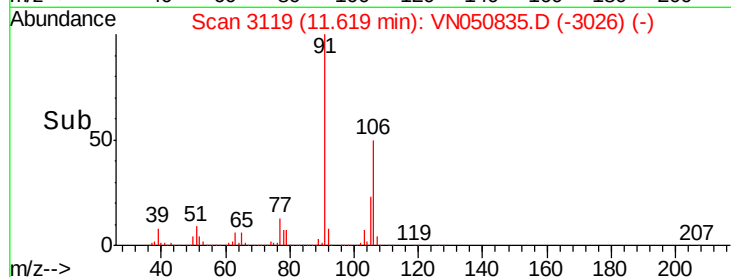
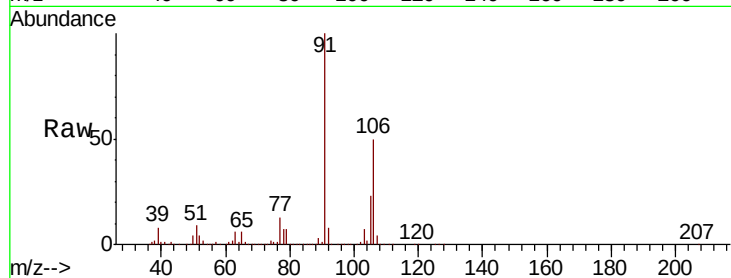
#68
m/p-Xylenes
Concen: 43.81 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050835.D
Acq: 22 Aug 2018 21:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGEDL

Tot Ion:106 Resp: 714559
Ion Ratio Lower Upper
106 100
91 200.4 161.0 241.6

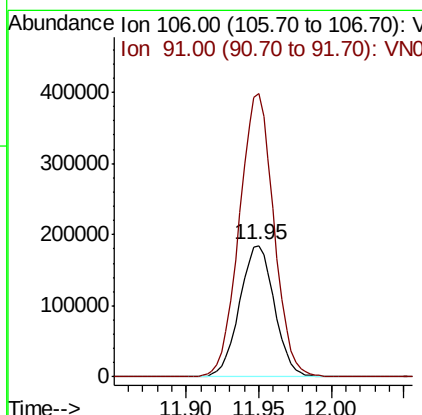
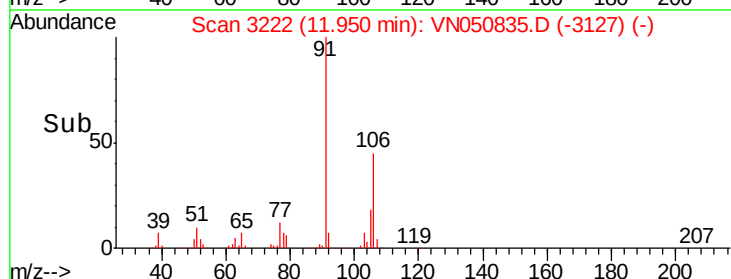
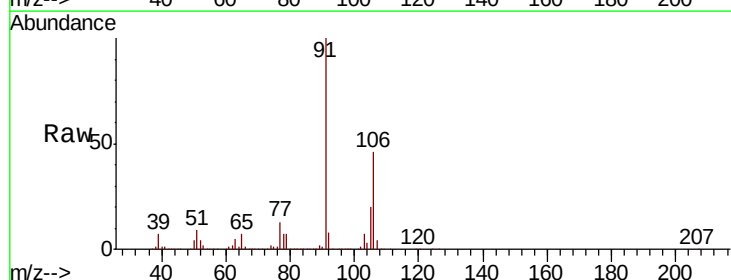
Manual Integrations
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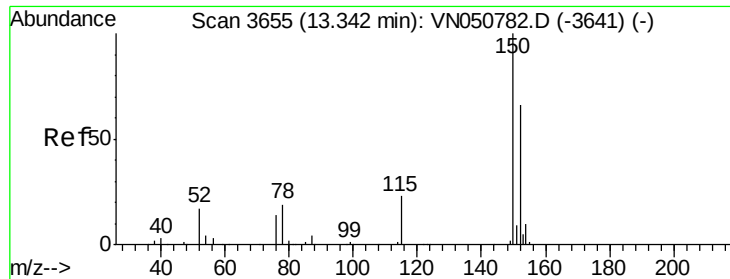
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#69
o-Xylene
Concen: 19.68 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050835.D
Acq: 22 Aug 2018 21:37

Tgt Ion:106 Resp: 308630
Ion Ratio Lower Upper
106 100
91 213.4 106.5 319.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050835.D

Acq: 22 Aug 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-240-UST-SLUDGEDL

Tot Ion:152 Resp: 456930

Ion Ratio Lower Upper

152 100

115 59.6 27.8 83.4

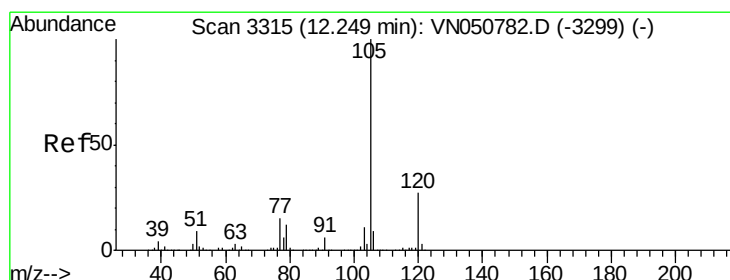
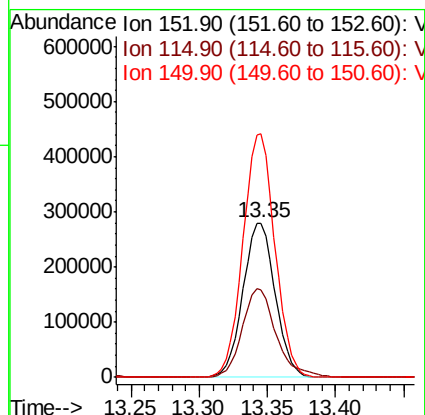
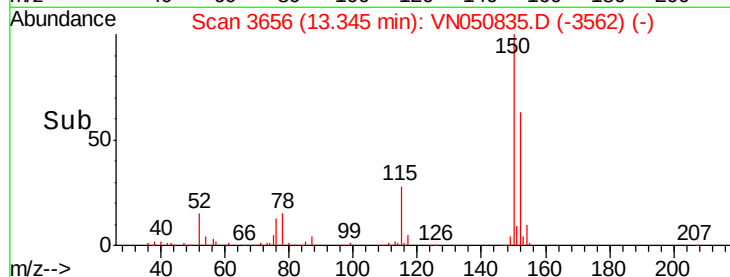
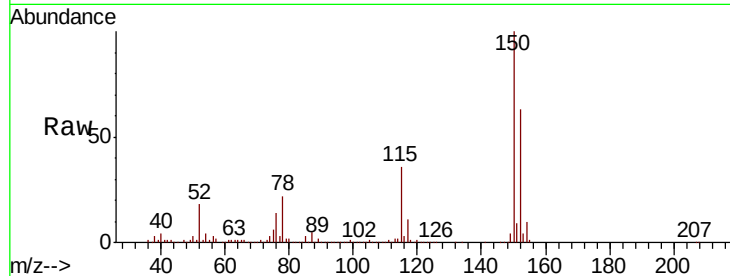
150 157.0 0.0 351.4

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#73

Isopropylbenzene

Concen: 1.70 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050835.D

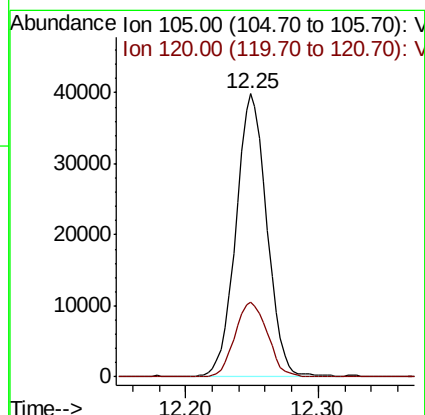
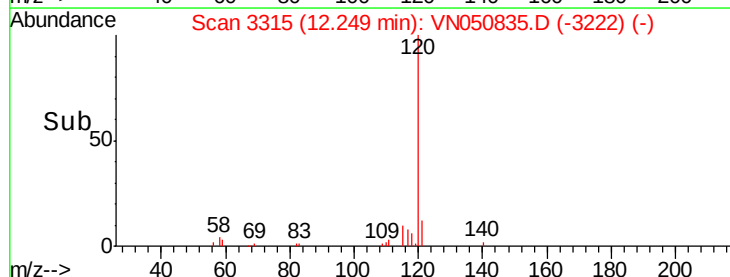
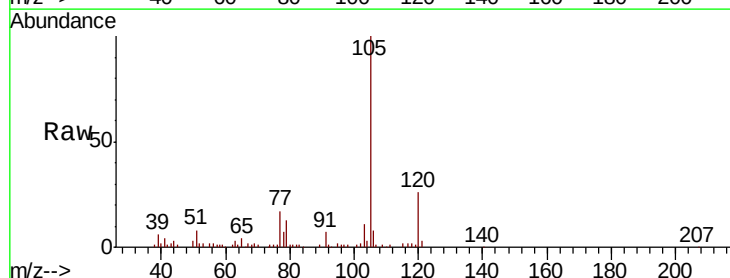
Acq: 22 Aug 2018 21:37

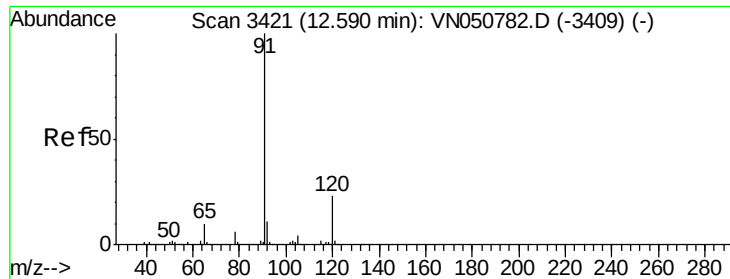
Tgt Ion:105 Resp: 64479

Ion Ratio Lower Upper

105 100

120 27.7 13.5 40.4





#78

n-propylbenzene

Concen: 5.62 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050835.D

Acq: 22 Aug 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-240-UST-SLUDGEDL

Tot Ion: 91 Resp: 237580

Ion Ratio Lower Upper

91 100

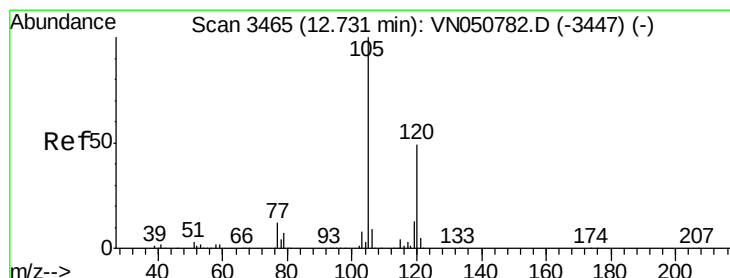
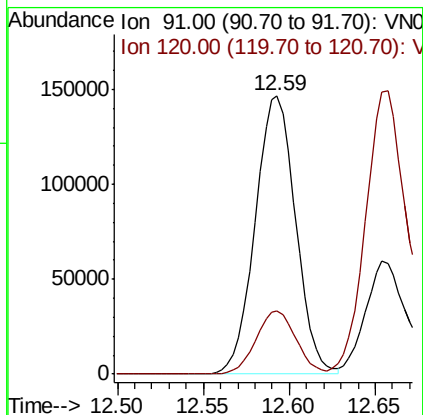
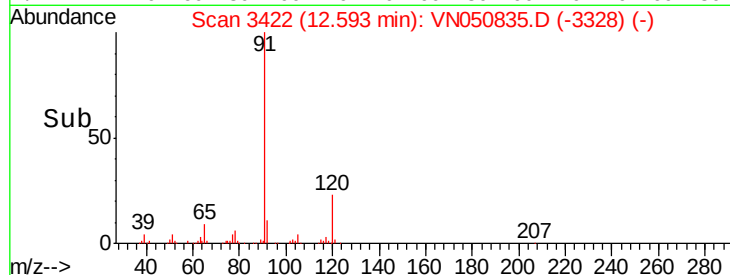
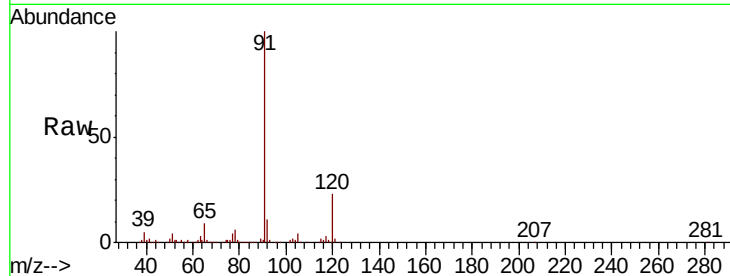
120 22.7 11.7 35.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 11.90 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050835.D

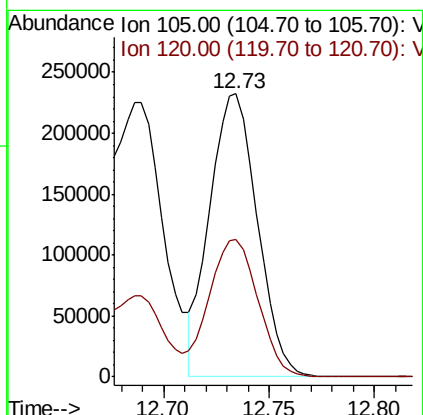
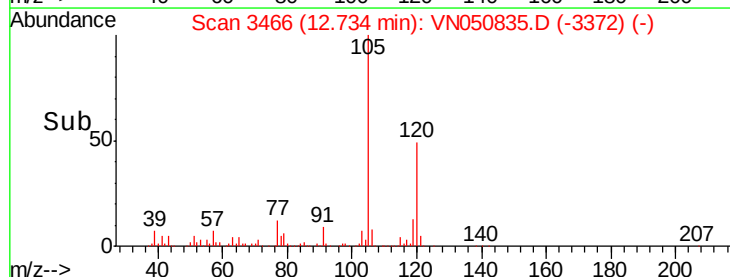
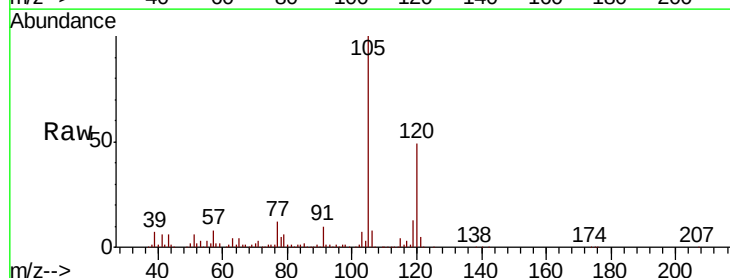
Acq: 22 Aug 2018 21:37

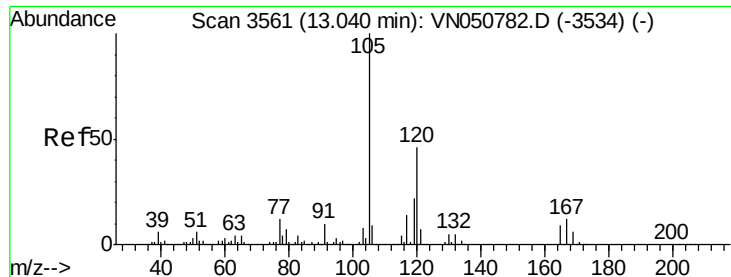
Tgt Ion: 105 Resp: 363258

Ion Ratio Lower Upper

105 100

120 50.5 24.6 74.0





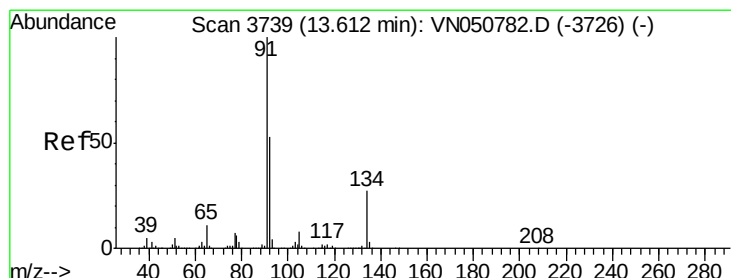
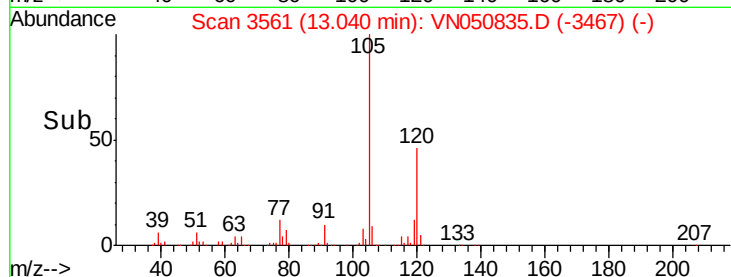
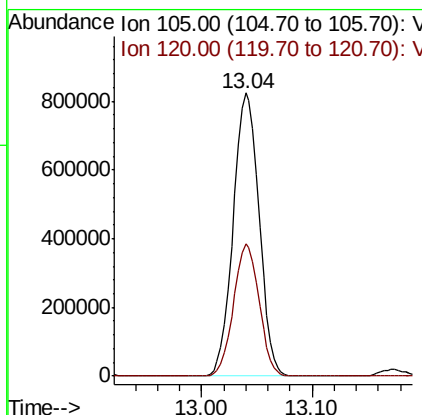
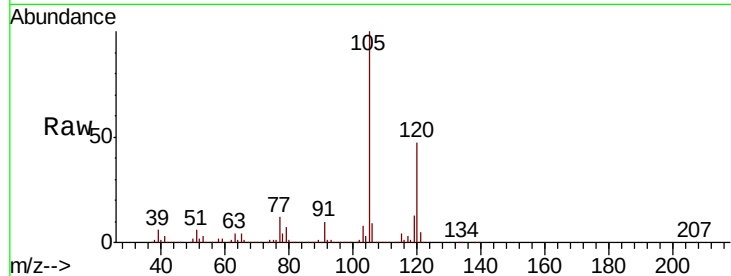
#84
 1,2,4-Trimethylbenzene
 Concen: 43.62 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050835.D
 Acq: 22 Aug 2018 21:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-240-UST-SLUDGEDL

Tot Ion:105 Resp: 1339592
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8

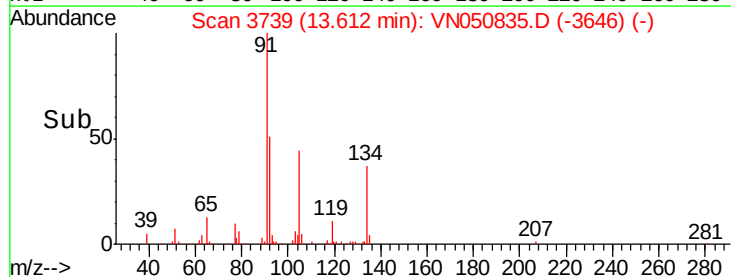
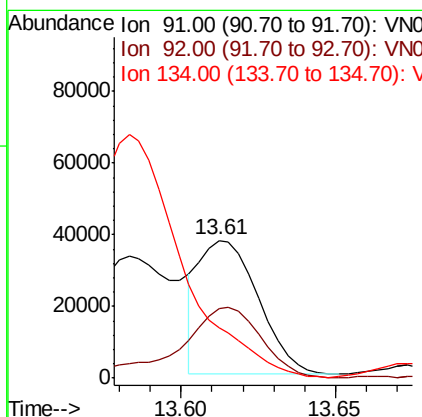
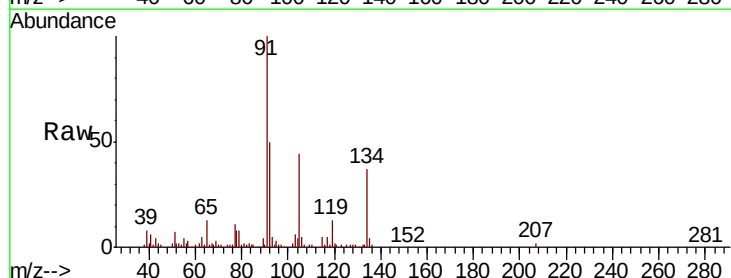
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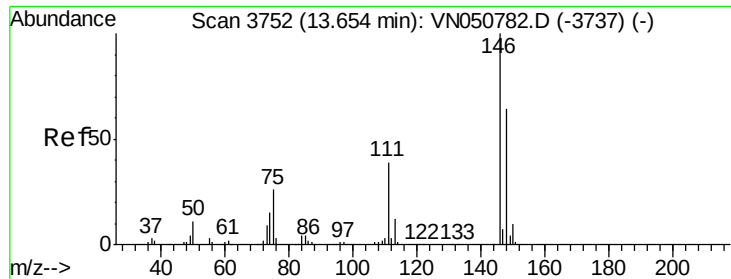
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#89
 n-Butylbenzene
 Concen: 2.10 ug/l
 RT: 13.61 min Scan# 3739
 Delta R.T. 0.00 min
 Lab File: VN050835.D
 Acq: 22 Aug 2018 21:37

Tgt Ion: 91 Resp: 49550
 Ion Ratio Lower Upper
 91 100
 92 73.1 26.1 78.2
 134 0.0 13.2 39.6#





#91

1,2-Dichlorobenzene

Concen: 3.08 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050835.D

Acq: 22 Aug 2018 21:37

Instrument :

MSVOA_N

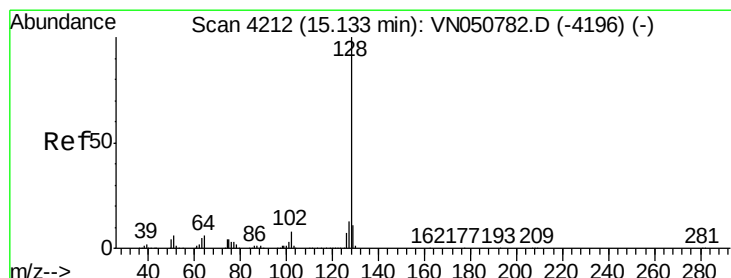
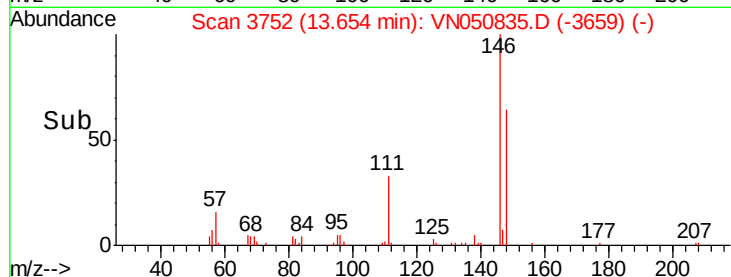
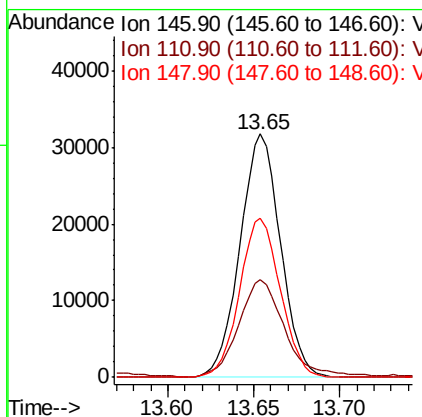
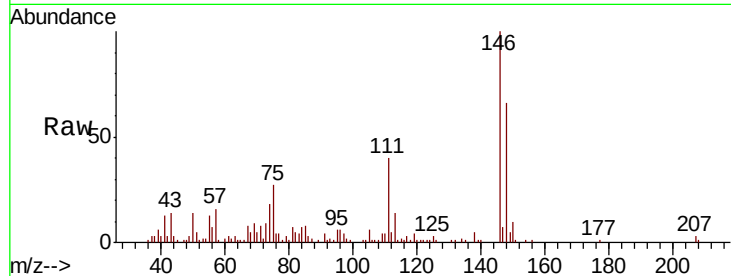
ClientSampleId :

EP1-240-UST-SLUDGEDL

Tot Ion:	146	Resp:	51832
Ion Ratio	Lower	Upper	
146	100		
111	46.0	19.8	59.3
148	65.6	32.3	96.8

Manual Integrations
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#95

Naphthalene

Concen: 34.03 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050835.D

Acq: 22 Aug 2018 21:37

Tgt Ion:	128	Resp:	585993
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.6	8.7	13.1

