

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054341.D
 Acq On : 16 Mar 2019 17:13
 Operator : JC/SP
 Sample : K1960-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-031419

Manual Integrations
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 3/18/2019 11:30:50 AM

Quant Time: Mar 18 06:47:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	2428878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	3520365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2963636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1316483	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	1110698	43.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.12%	
35) Dibromofluoromethane	7.59	113	976209	43.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.00%	
50) Toluene-d8	10.09	98	4040180	48.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.40	95	1284198	43.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.54%	
Target Compounds						
					Qvalue	
16) Acetone	3.81	43	56938666m	7709.387	ug/l	
25) 2-Butanone	6.86	43	68581	7.912	ug/l #	88
31) Cyclohexane	7.65	56	71193	0.623	ug/l #	42
39) Methylcyclohexane	9.08	83	139497	3.497	ug/l	98
52) Toluene	10.16	92	55815	0.949	ug/l	96
59) 2-Hexanone	10.76	43	421911m	36.644	ug/l	
67) Ethyl Benzene	11.51	91	94357	0.875	ug/l	97
68) m/p-Xylenes	11.62	106	107123	2.541	ug/l	92
69) o-Xylene	11.95	106	62227	1.514	ug/l	99
73) Isopropylbenzene	12.25	105	315977	3.000	ug/l	100
78) n-propylbenzene	12.59	91	615865	5.389	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	129654	1.480	ug/l	95
83) tert-Butylbenzene	12.99	119	41440	0.514	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	538722	6.268	ug/l	99
85) sec-Butylbenzene	13.17	105	348655	3.334	ug/l	83
86) p-Isopropyltoluene	13.29	119	88709	0.967	ug/l	97
89) n-Butylbenzene	13.61	91	242684	3.481	ug/l #	73
95) Naphthalene	15.13	128	4430659	74.878	ug/l	100

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

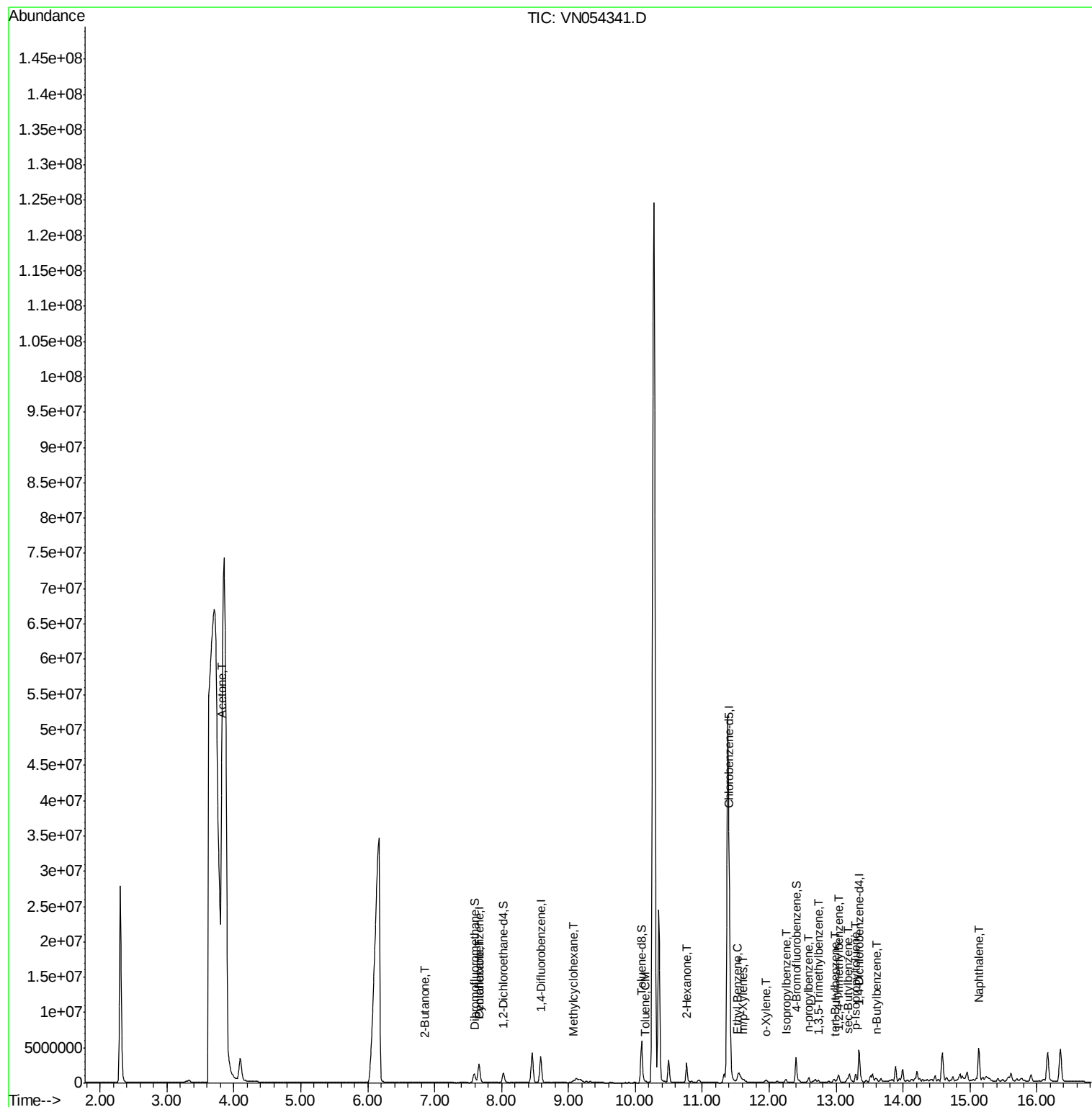
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
Data File : VN054341.D
Acq On : 16 Mar 2019 17:13
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Misc : 5.00mL/MSVOA N/WATER
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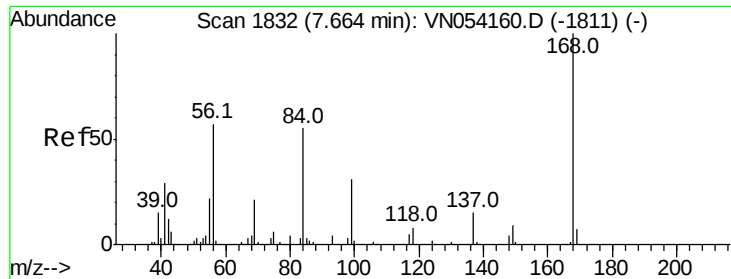
Instrument :
MSVOA_N
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T11-MW-9-9.0-031419

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054341.D

Acq: 16 Mar 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-031419

Tot Ion:168 Resp: 2428878

Ion Ratio Lower Upper

168 100

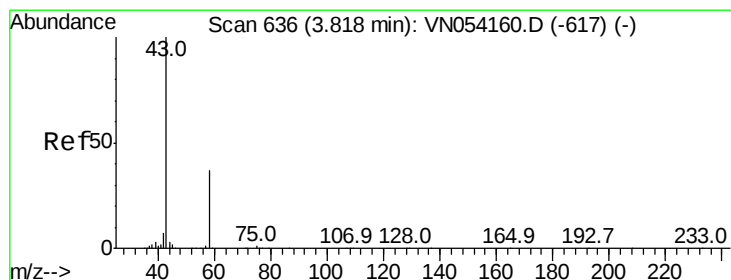
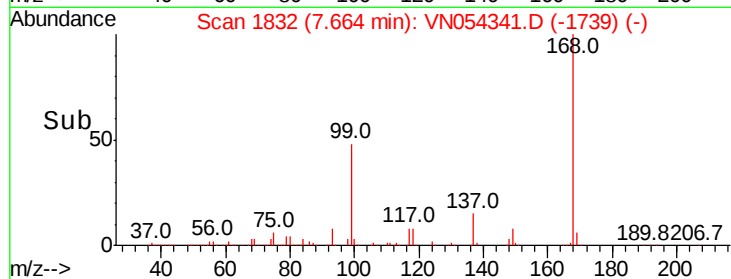
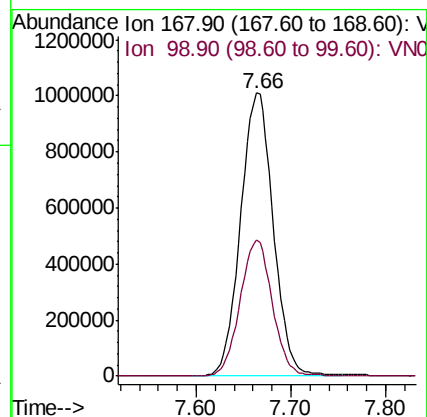
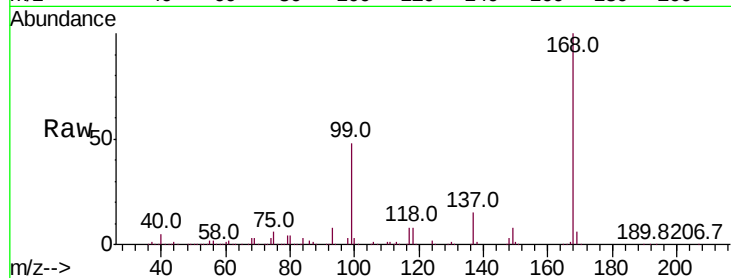
99 47.9 37.1 55.7

Manual Integrations

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#16

Acetone

Concen: 7709.387 ug/l m

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN054341.D

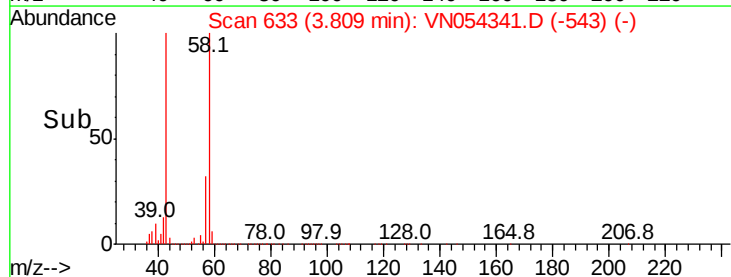
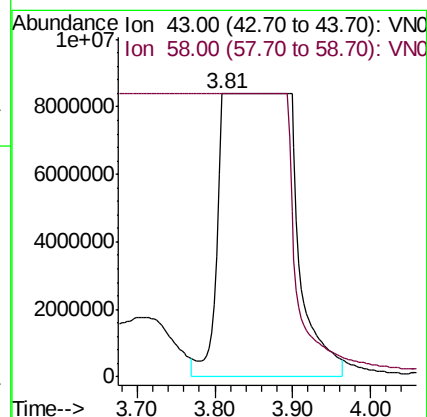
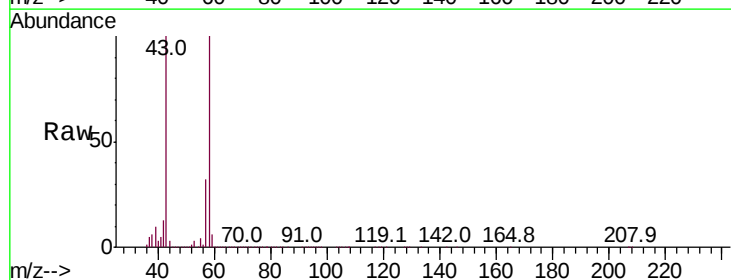
Acq: 16 Mar 2019 17:13

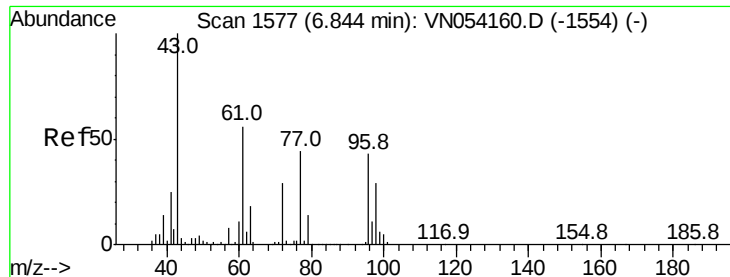
Tgt Ion: 43 Resp:56938666

Ion Ratio Lower Upper

43 100

58 100.0 29.9 44.9#





#25

2-Butanone

Concen: 7.912 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VN054341.D

Acq: 16 Mar 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-031419

Tot Ion: 43 Resp: 68581

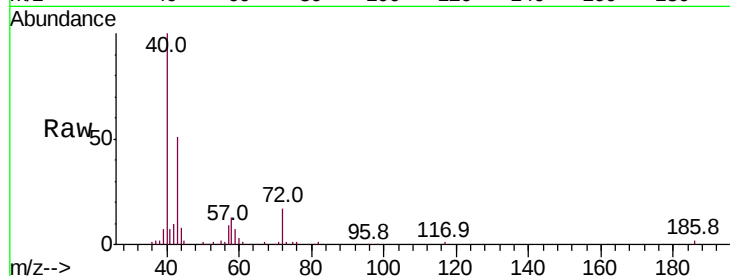
Ion Ratio Lower Upper

43 100

72 35.4 23.0 34.6#

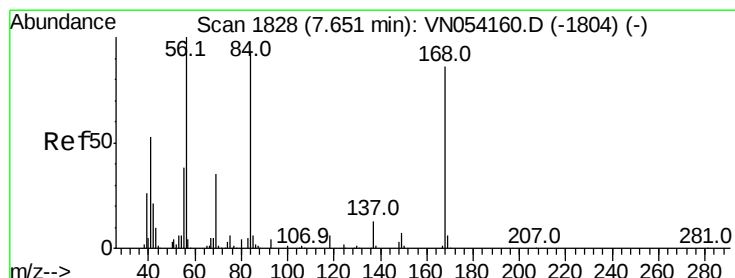
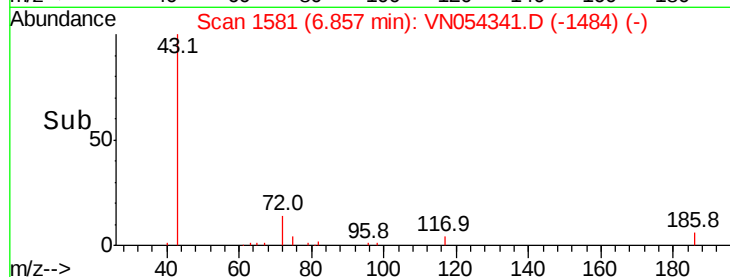
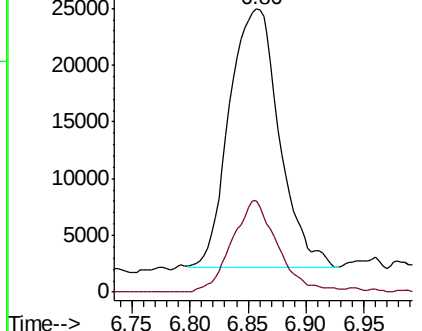
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 0.623 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054341.D

Acq: 16 Mar 2019 17:13

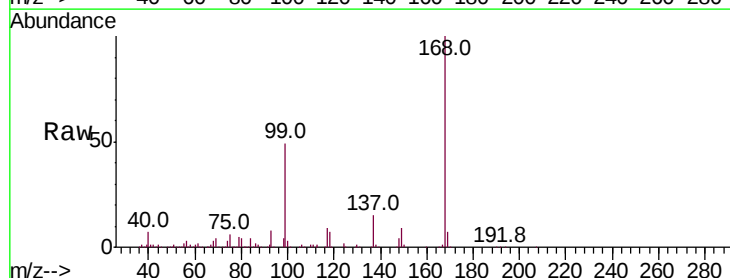
Tgt Ion: 56 Resp: 71193

Ion Ratio Lower Upper

56 100

69 111.8 27.8 41.6#

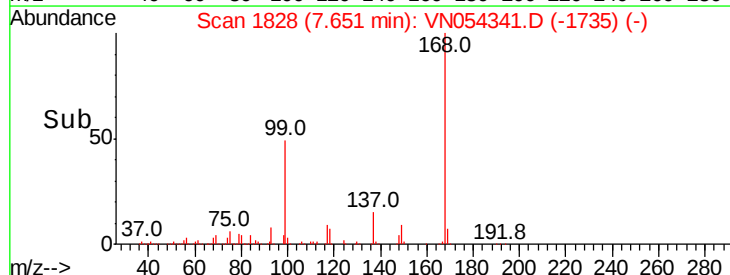
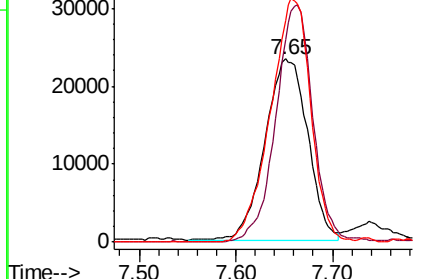
84 122.5 74.6 111.8#

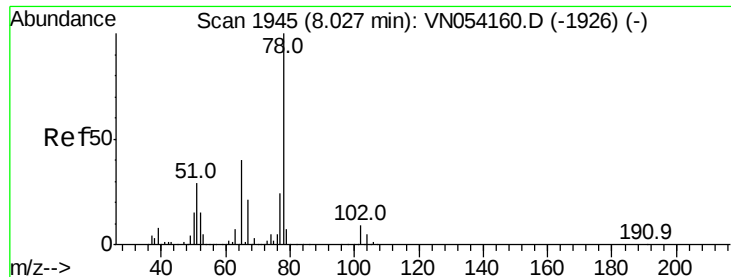


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 43.059 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054341.D

Acq: 16 Mar 2019 17:13

Tot Ion: 65 Resp: 1110698

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.6

Instrument :

MSVOA_N

ClientSampleId :

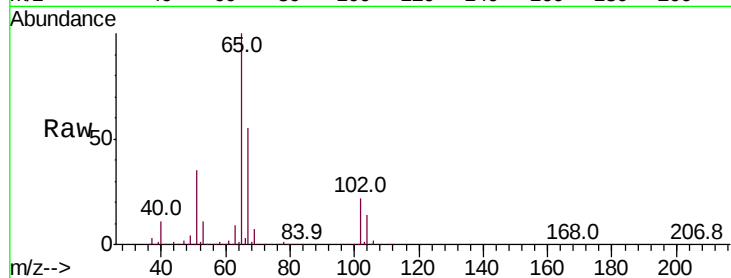
T11-MW-9-9.0-031419

Manual Integrations

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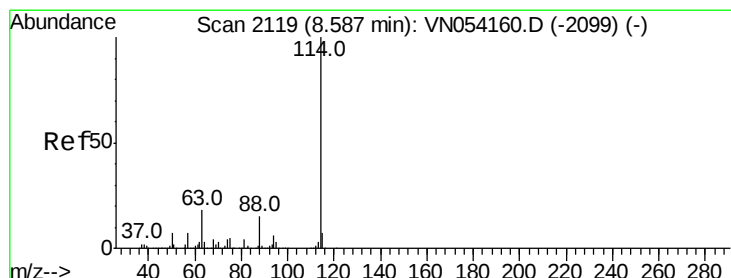
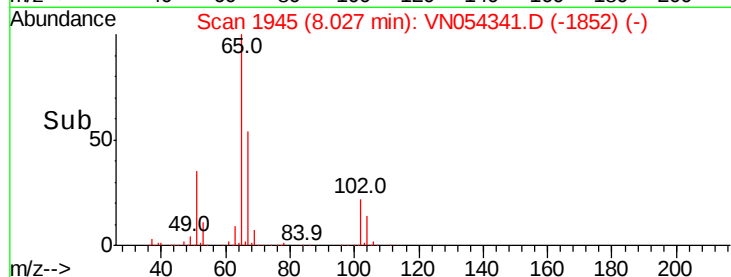
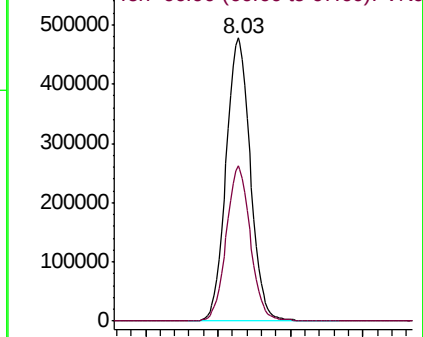
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054341.D

Acq: 16 Mar 2019 17:13

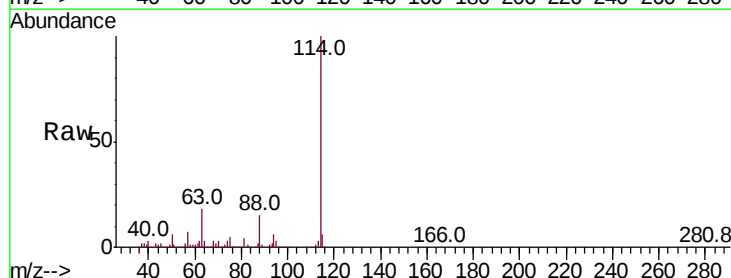
Tgt Ion:114 Resp: 3520365

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

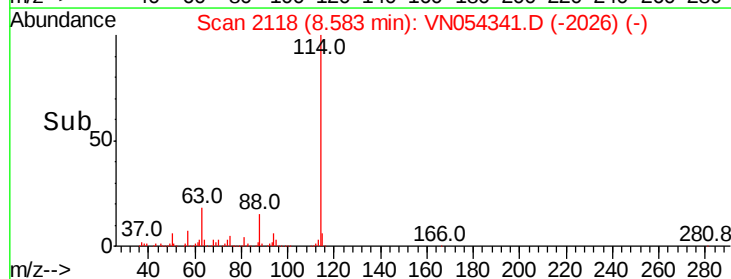
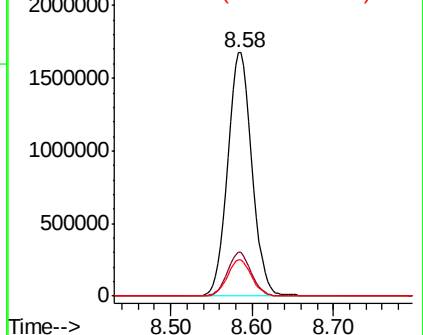
88 15.2 0.0 30.2

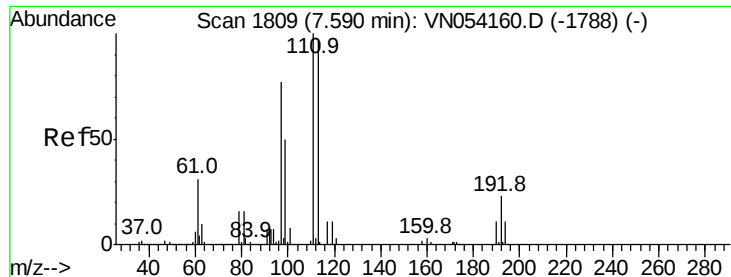


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





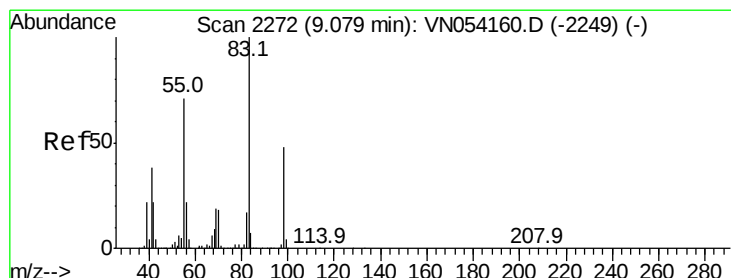
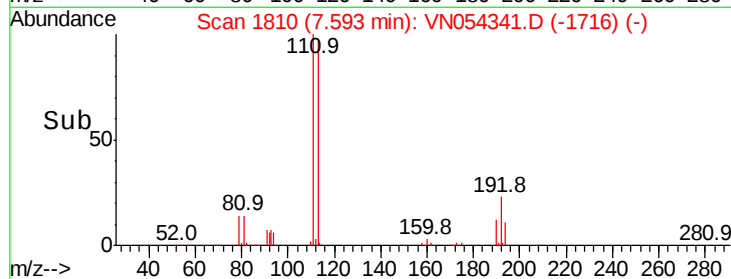
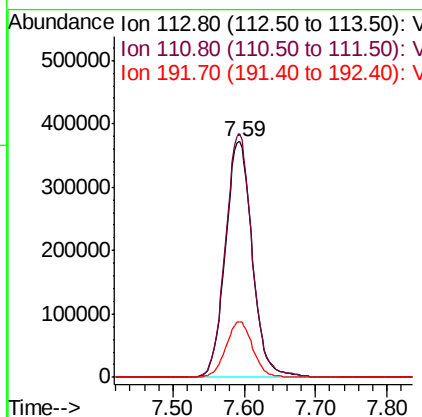
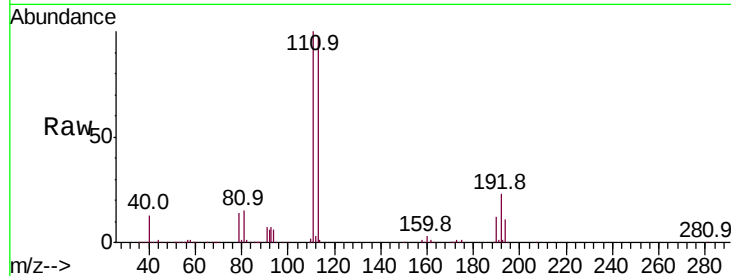
#35
Dibromofluoromethane
Concen: 42.996 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054341.D
Acq: 16 Mar 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-031419

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	23.6	19.2	28.8

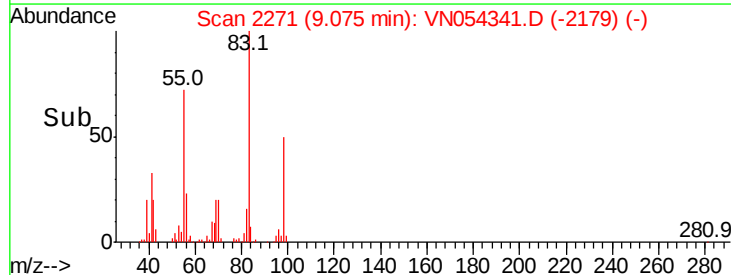
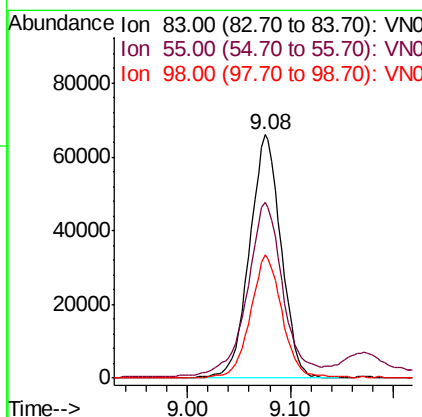
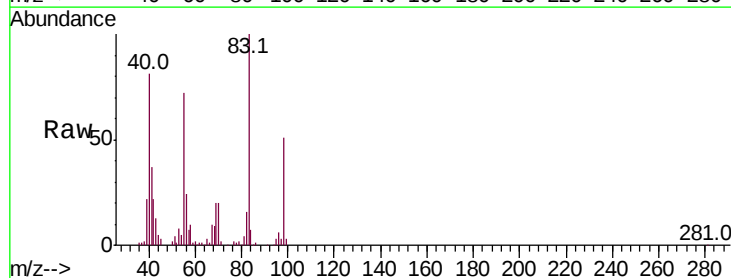
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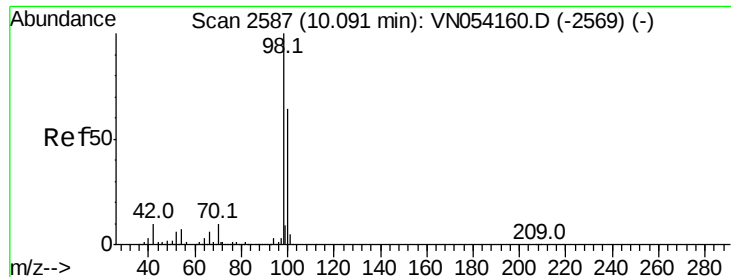
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#39
Methylcyclohexane
Concen: 3.497 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN054341.D
Acq: 16 Mar 2019 17:13

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.8	56.6	84.8
98	50.8	38.4	57.6





#50

Toluene-d8

Concen: 48.182 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054341.D

Acq: 16 Mar 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-031419

Tot Ion: 98 Resp: 4040180

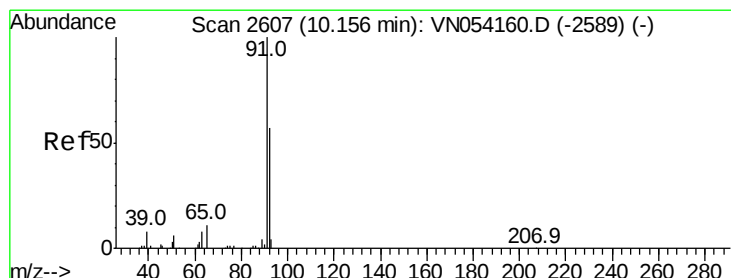
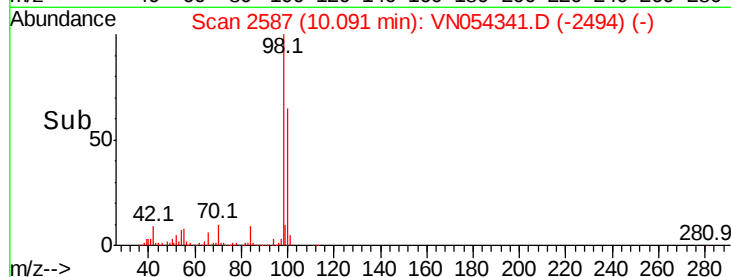
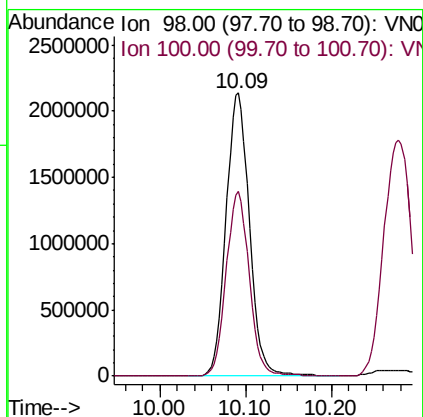
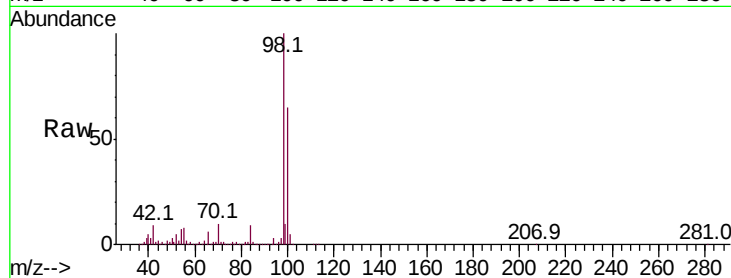
Ion Ratio Lower Upper

98 100

100 64.6 51.2 76.8

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#52

Toluene

Concen: 0.949 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054341.D

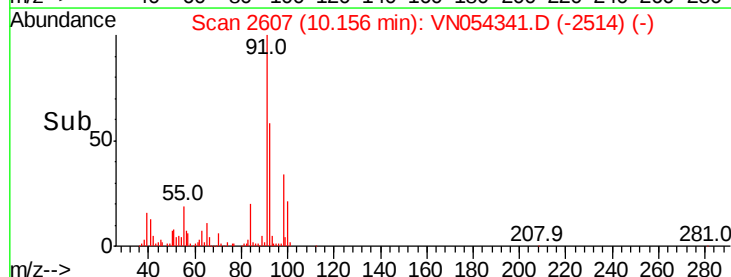
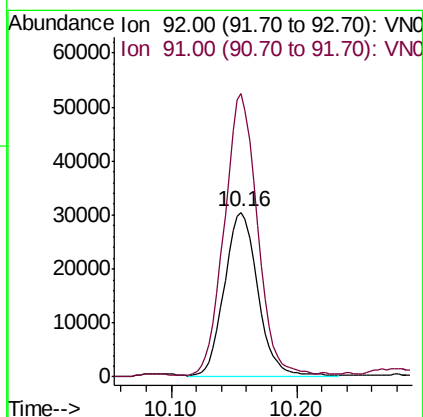
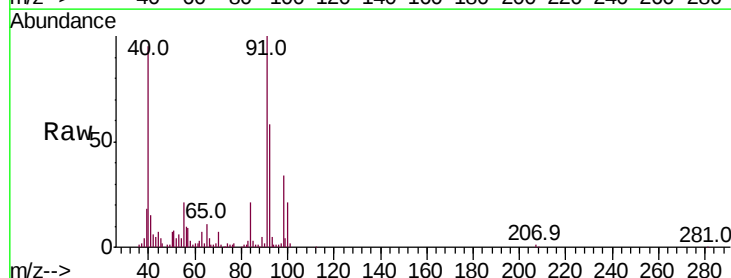
Acq: 16 Mar 2019 17:13

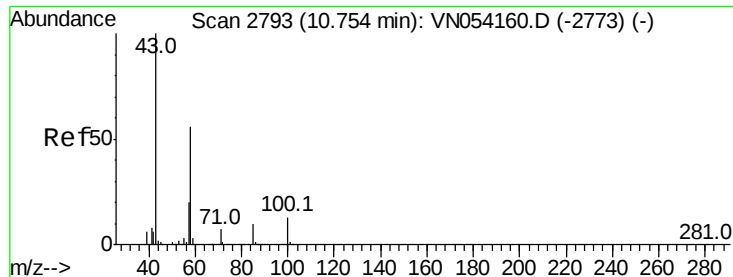
Tgt Ion: 92 Resp: 55815

Ion Ratio Lower Upper

92 100

91 171.0 140.7 211.1





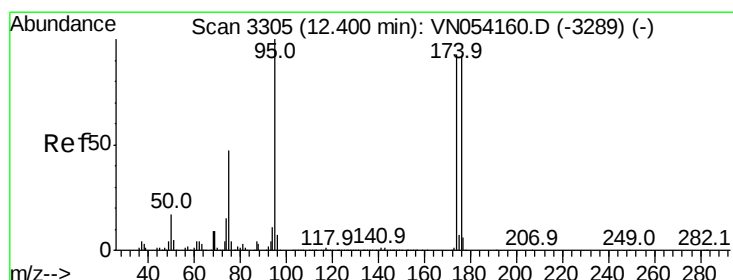
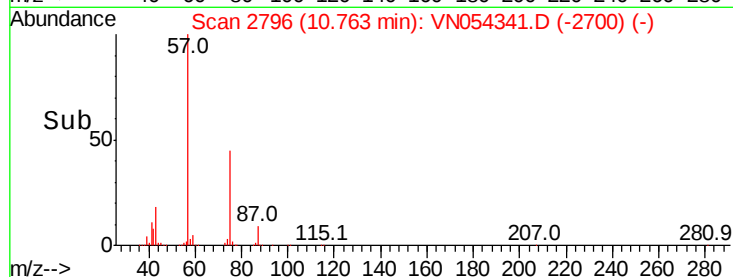
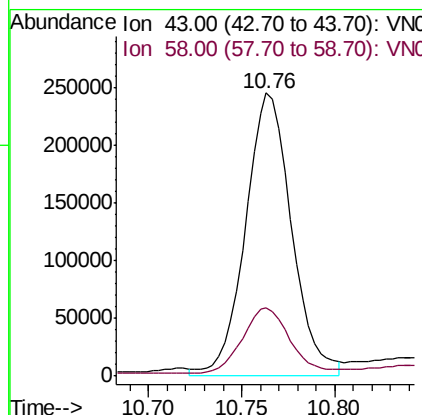
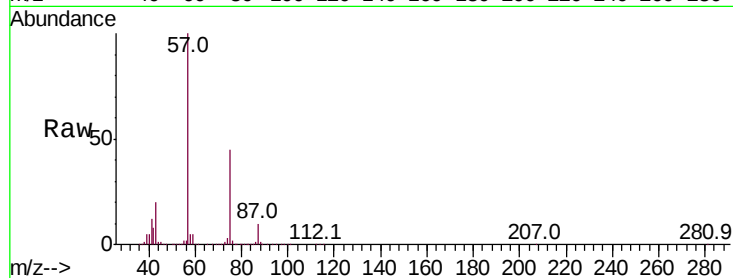
#59
2-Hexanone
Concen: 36.644 ug/l m
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN054341.D
Acq: 16 Mar 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-031419

Tot Ion: 43 Resp: 421911
Ion Ratio Lower Upper
43 100
58 37.0 28.0 83.9

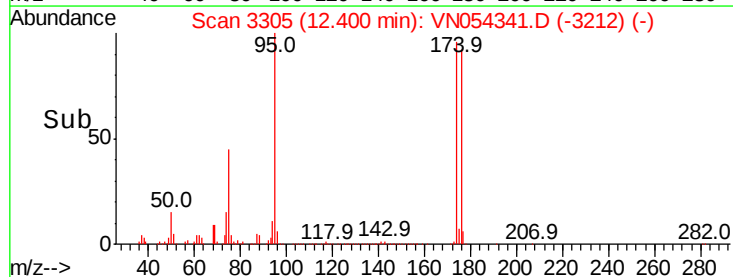
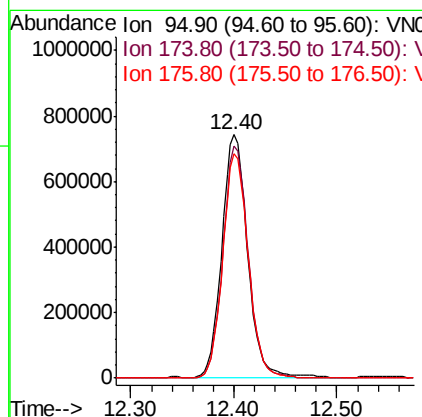
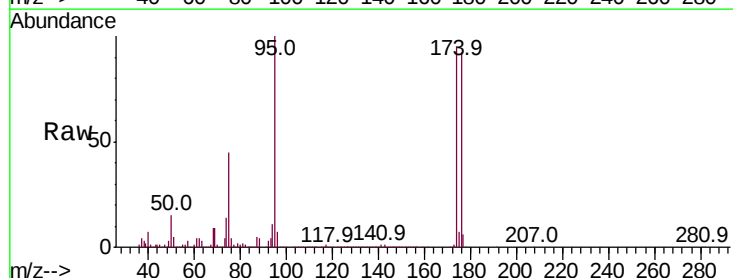
Manual Integrations
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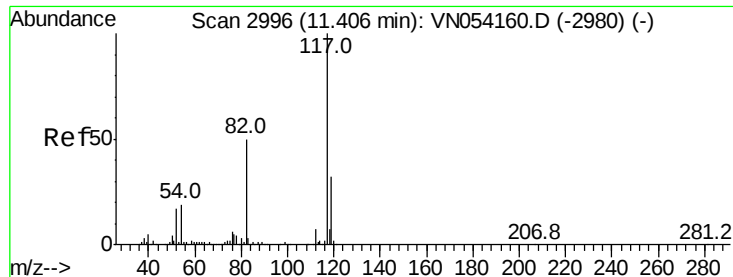
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3/18/2019 11:30:50 AM



#62
4-Bromofluorobenzene
Concen: 43.769 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054341.D
Acq: 16 Mar 2019 17:13

Tgt Ion: 95 Resp: 1284198
Ion Ratio Lower Upper
95 100
174 94.1 0.0 191.0
176 91.8 0.0 187.4





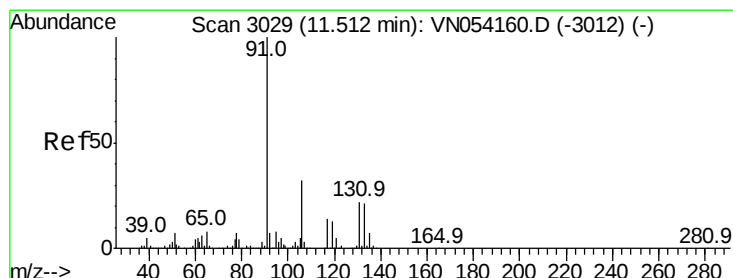
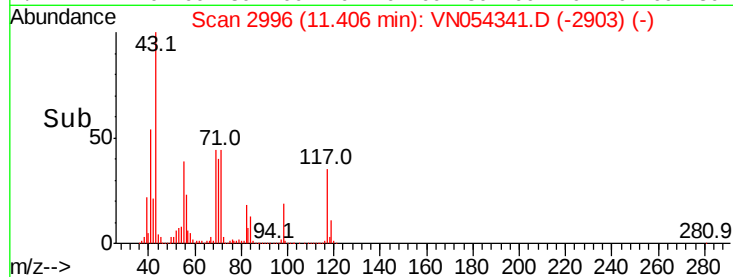
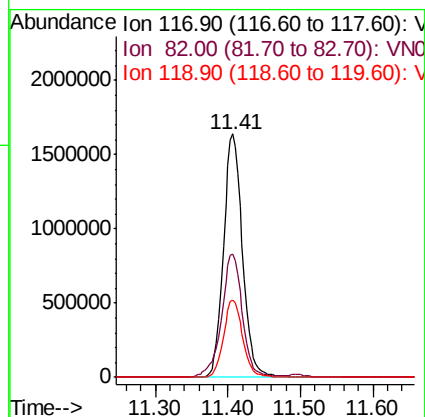
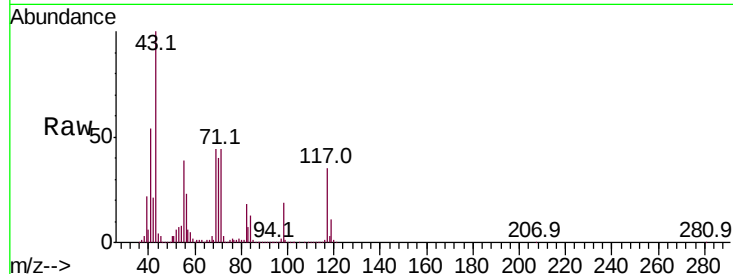
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054341.D
Acq: 16 Mar 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-031419

Tot Ion:117 Resp: 2963636
Ion Ratio Lower Upper
117 100
82 50.6 40.0 60.0
119 32.0 25.8 38.6

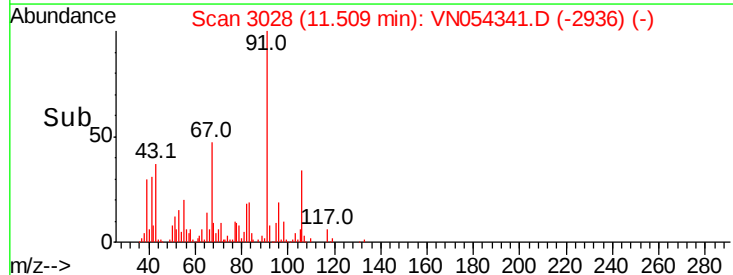
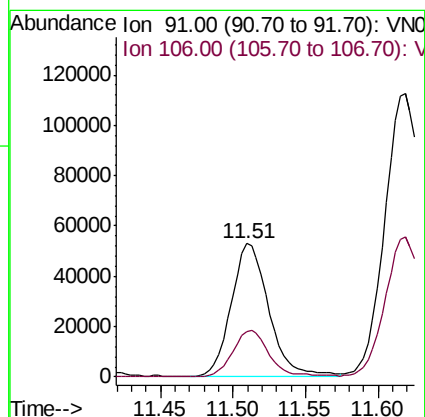
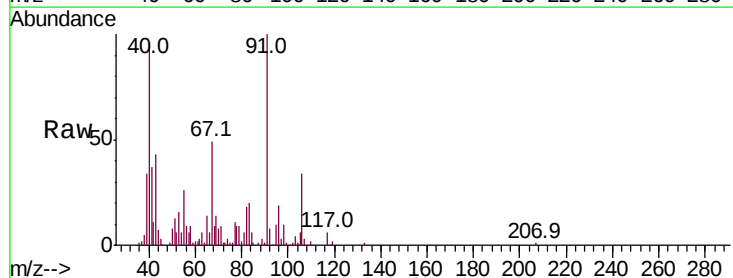
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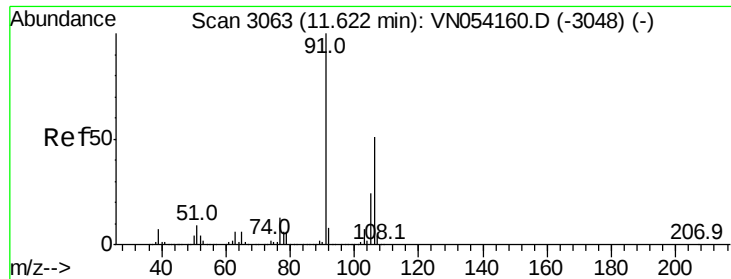
MMDadoda
3/18/2019 11:30:50 AM



#67
Ethyl Benzene
Concen: 0.875 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054341.D
Acq: 16 Mar 2019 17:13

Tgt Ion: 91 Resp: 94357
Ion Ratio Lower Upper
91 100
106 33.8 25.5 38.3





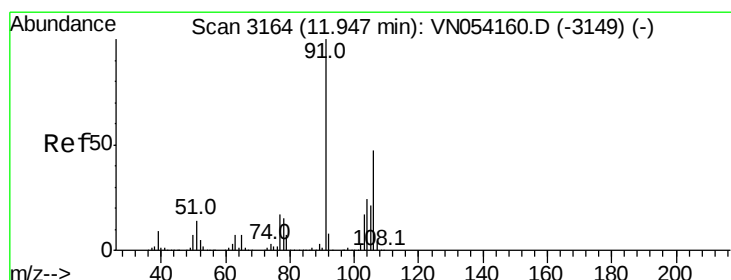
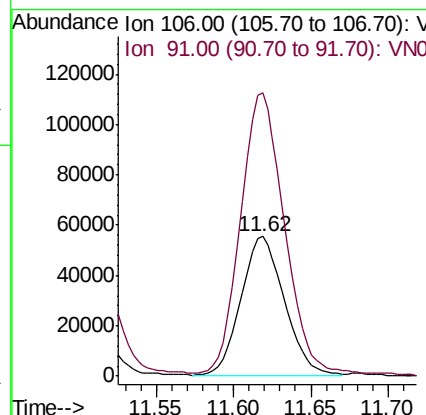
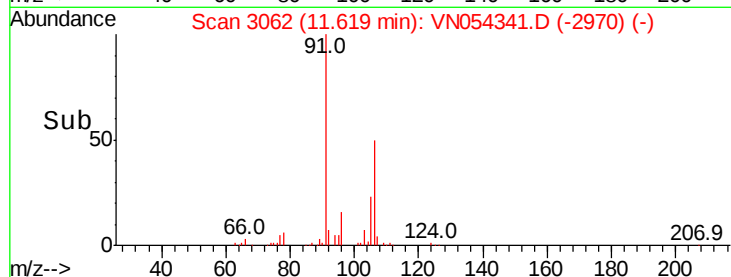
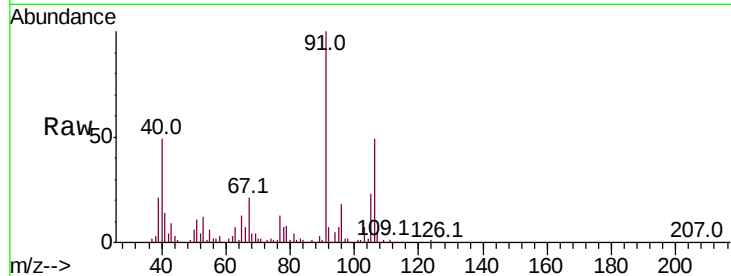
#68
m/p-Xylenes
Concen: 2.541 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054341.D
Acq: 16 Mar 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-031419

Tot Ion:106 Resp: 107123
Ion Ratio Lower Upper
106 100
91 211.4 159.4 239.2

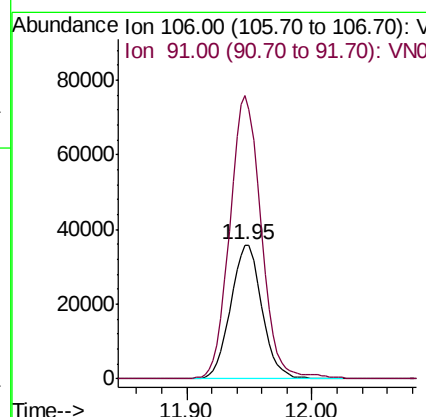
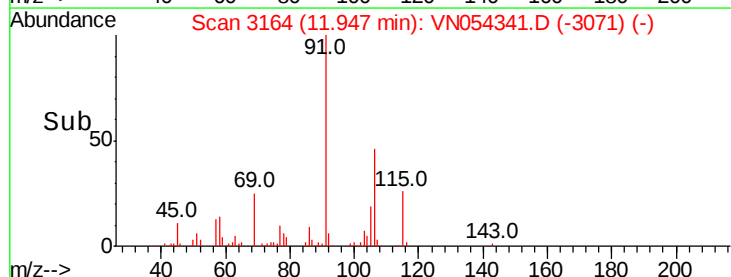
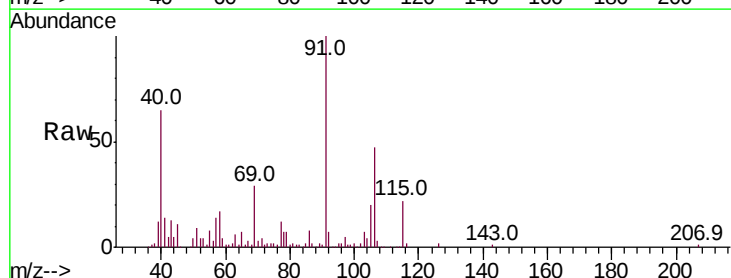
Manual Integrations
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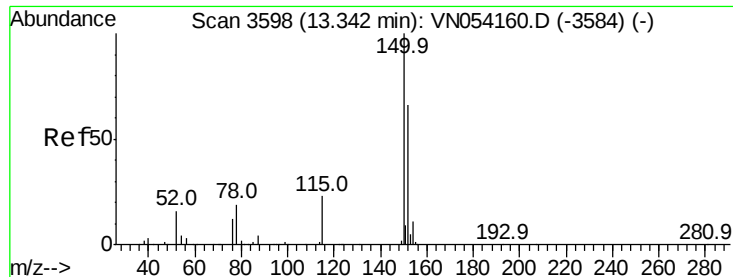
MMDadoda
3/18/2019 11:30:50 AM



#69
o-Xylene
Concen: 1.514 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054341.D
Acq: 16 Mar 2019 17:13

Tgt Ion:106 Resp: 62227
Ion Ratio Lower Upper
106 100
91 212.4 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054341.D

Acq: 16 Mar 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-031419

Tot Ion:152 Resp: 1316483

Ion Ratio Lower Upper

152 100

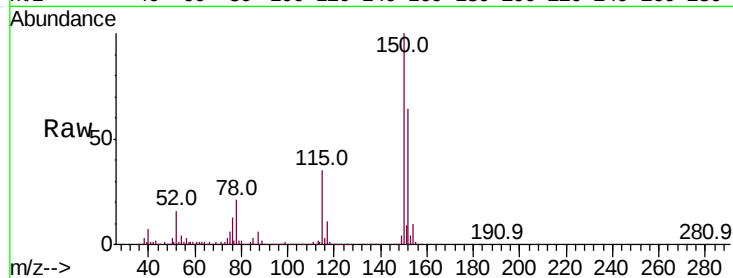
115 55.3 27.2 81.6

150 156.7 0.0 349.2

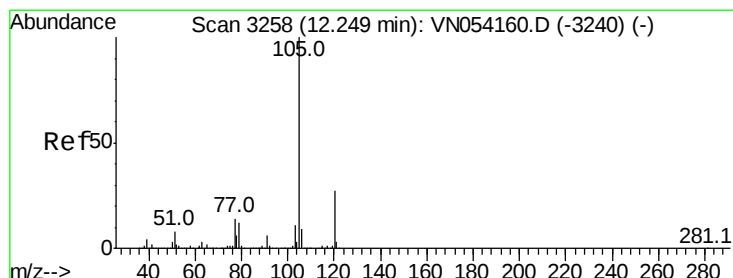
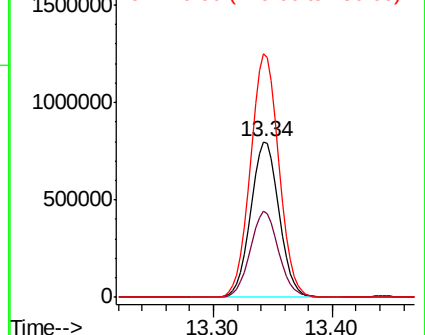
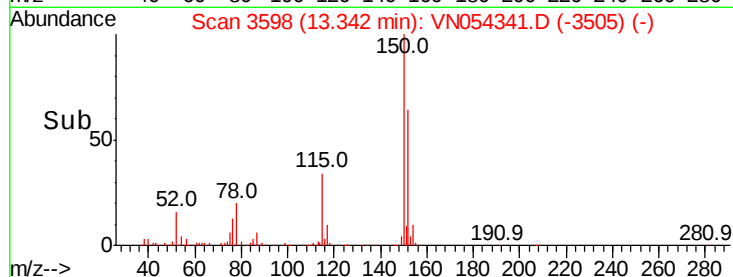
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 3.000 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054341.D

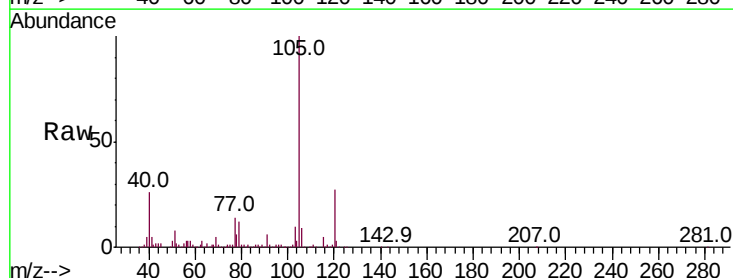
Acq: 16 Mar 2019 17:13

Tgt Ion:105 Resp: 315977

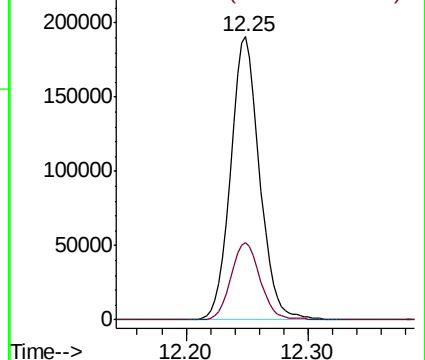
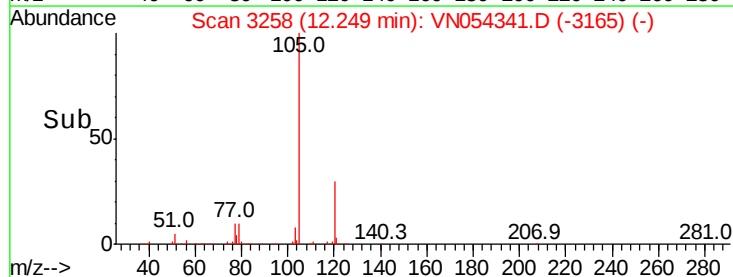
Ion Ratio Lower Upper

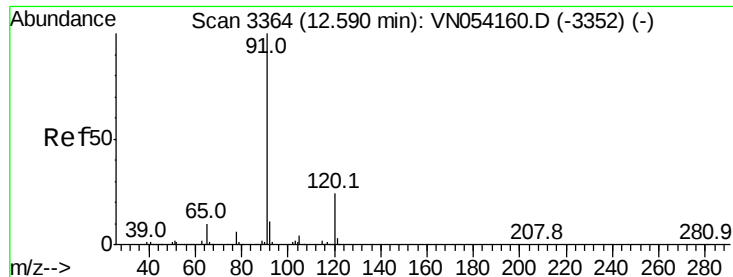
105 100

120 27.6 13.8 41.3



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





#78

n-propylbenzene

Concen: 5.389 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054341.D

Acq: 16 Mar 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-031419

Tot Ion: 91 Resp: 615865

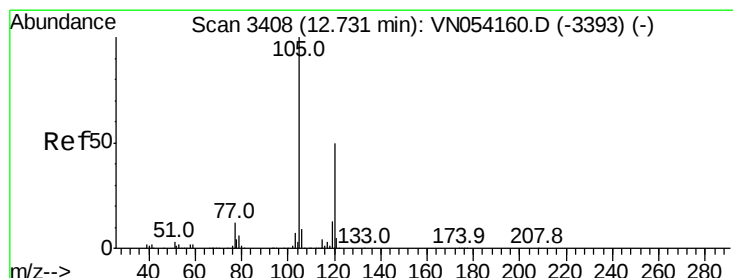
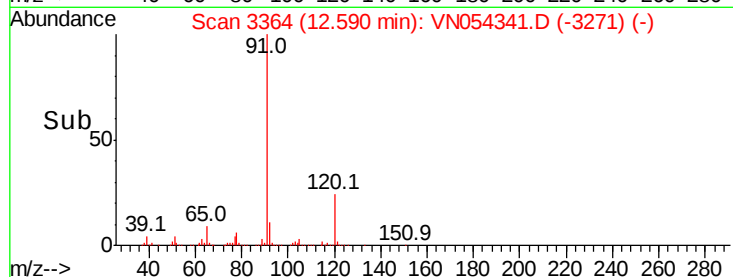
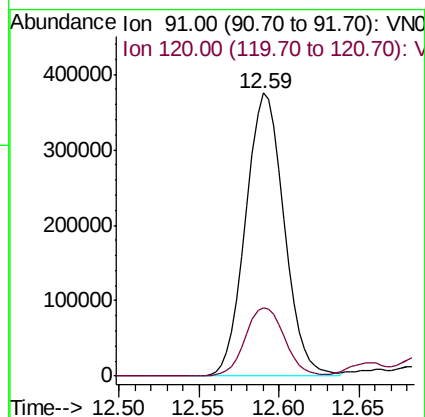
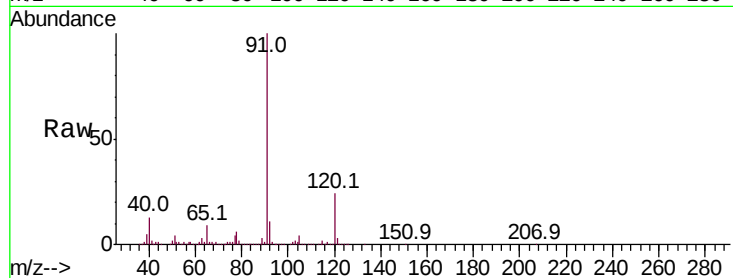
Ion Ratio Lower Upper

91 100

120 24.8 12.3 36.9

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#80

1,3,5-Trimethylbenzene

Concen: 1.480 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054341.D

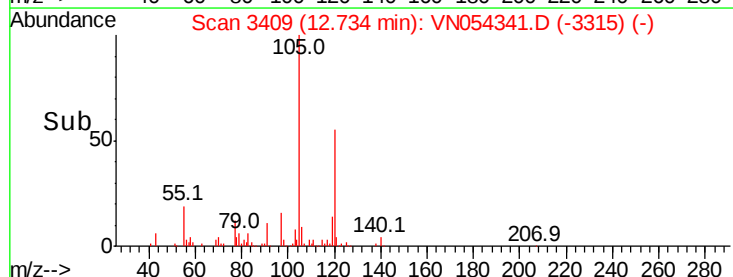
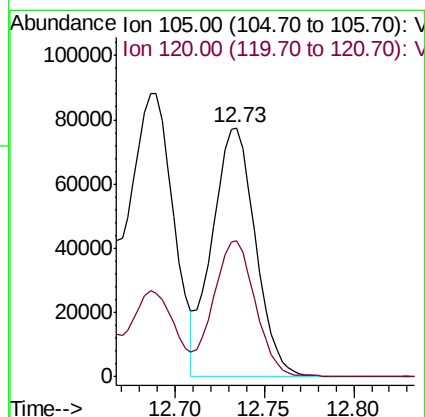
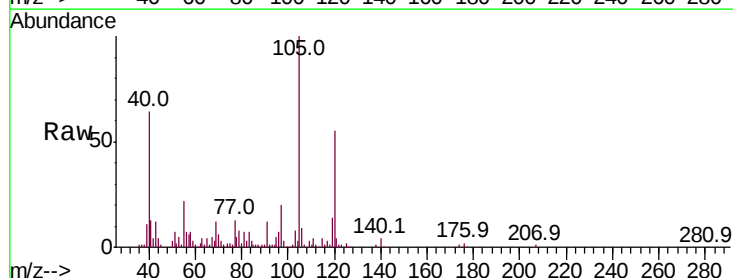
Acq: 16 Mar 2019 17:13

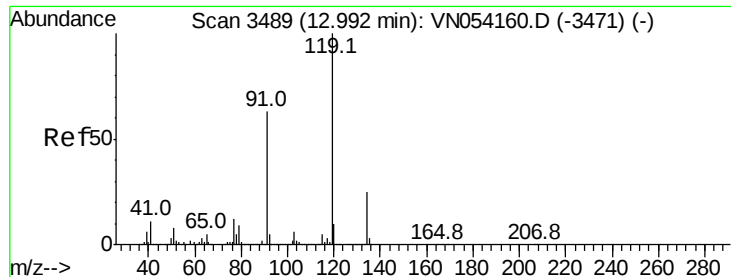
Tgt Ion: 105 Resp: 129654

Ion Ratio Lower Upper

105 100

120 53.5 25.0 75.0





#83

tert-Butylbenzene

Concen: 0.514 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054341.D

Acq: 16 Mar 2019 17:13

Instrument :

MSVOA_N

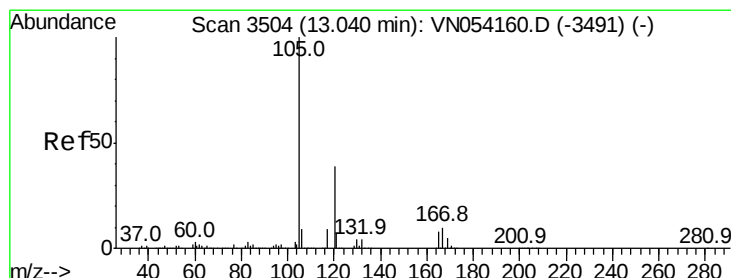
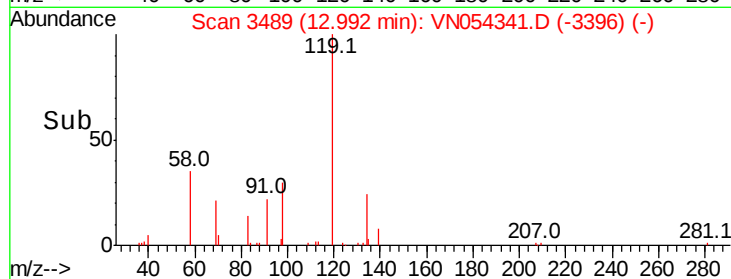
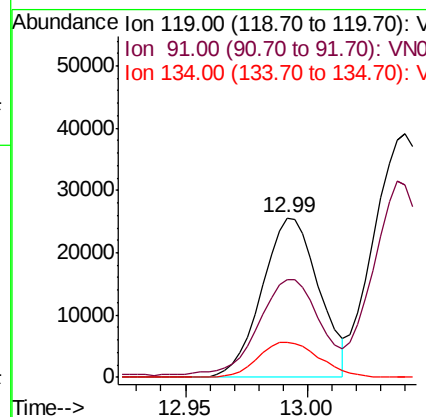
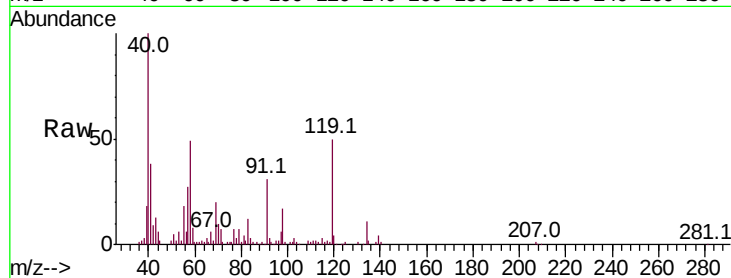
ClientSampleId :

T11-MW-9-9.0-031419

Tot Ion:	119	Resp:	41440
Ion Ratio	Lower	Upper	
119	100		
91	64.5	30.9	92.8
134	23.6	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 6.268 ug/l

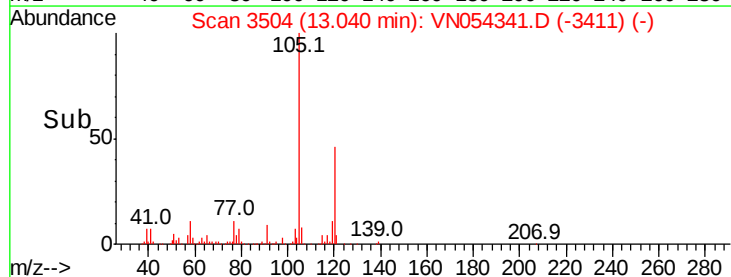
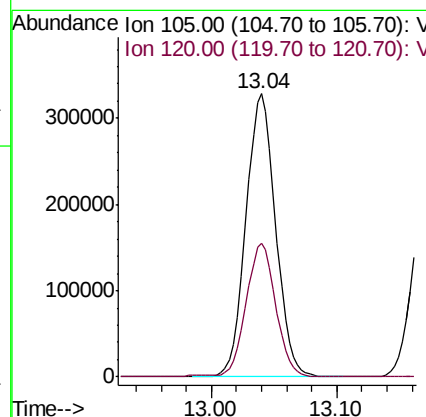
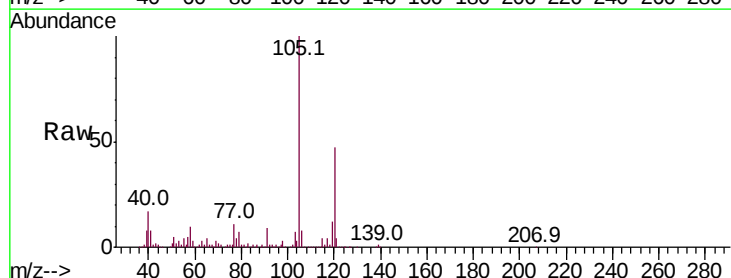
RT: 13.04 min Scan# 3504

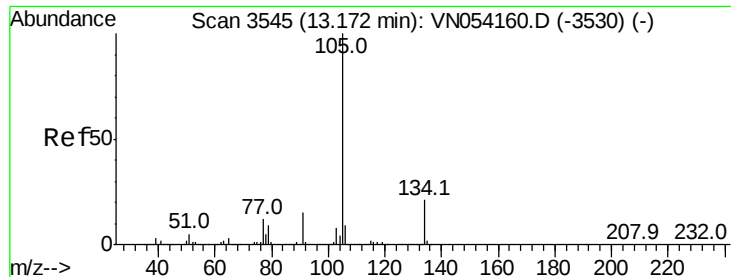
Delta R.T. 0.00 min

Lab File: VN054341.D

Acq: 16 Mar 2019 17:13

Tgt Ion:	105	Resp:	538722
Ion Ratio	Lower	Upper	
105	100		
120	47.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 3.334 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054341.D

Acq: 16 Mar 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-031419

Tot Ion:105 Resp: 348655

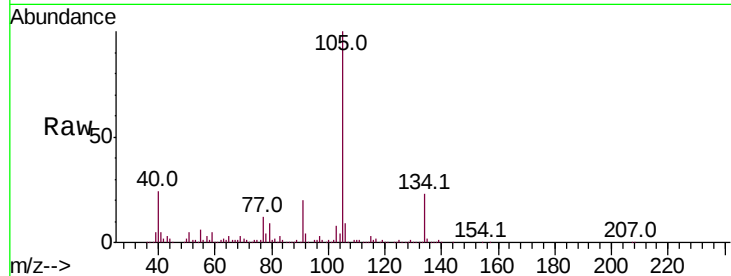
Ion Ratio Lower Upper

105 100

134 29.6 10.7 32.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

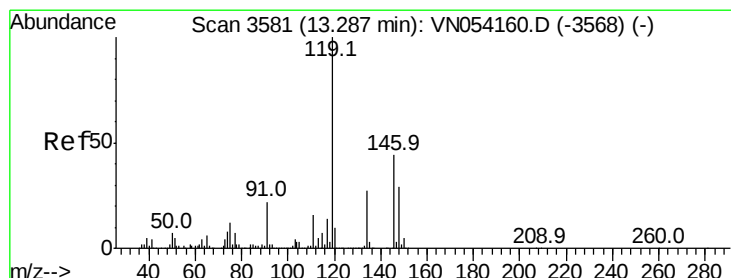
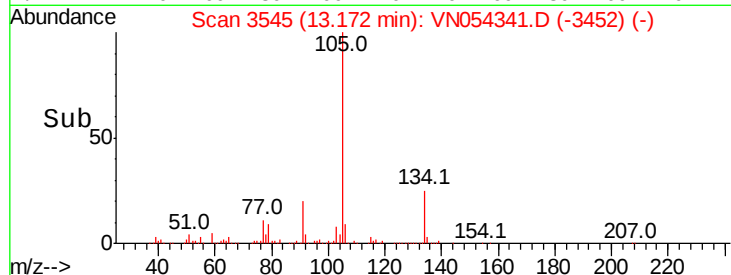
100000

50000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 0.967 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054341.D

Acq: 16 Mar 2019 17:13

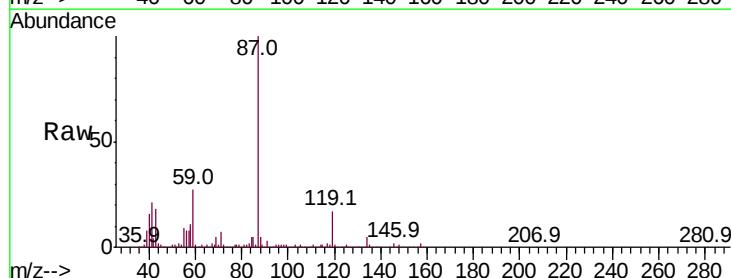
Tgt Ion:119 Resp: 88709

Ion Ratio Lower Upper

119 100

134 25.7 13.6 40.8

91 21.0 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

80000

60000

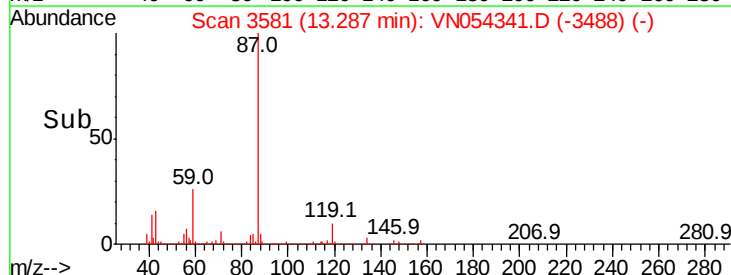
40000

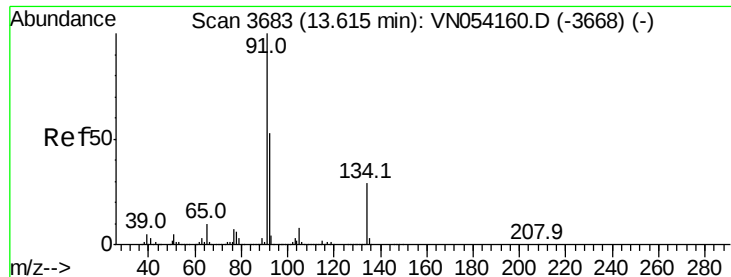
20000

0

13.25 13.30 13.35

Time-->





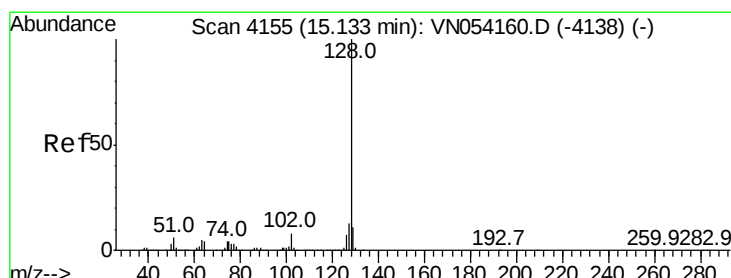
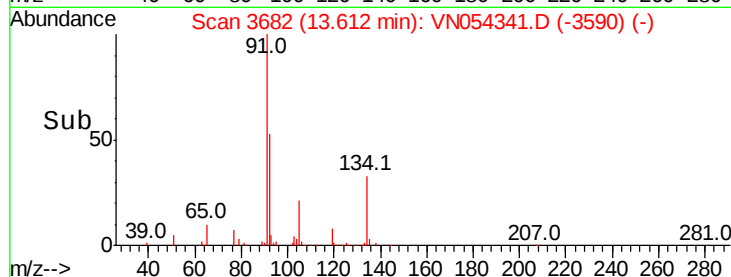
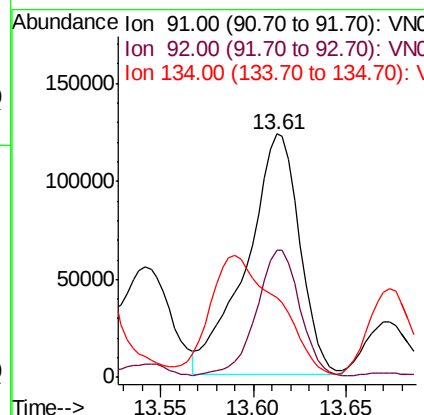
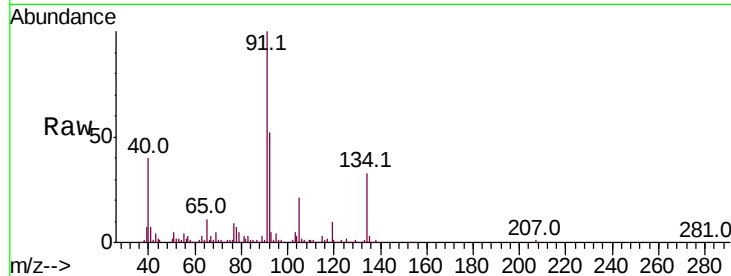
#89
n-Butylbenzene
Concen: 3.481 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054341.D
Acq: 16 Mar 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-031419

Tot Ion	Ratio	Lower	Upper
91	100		
92	43.7	26.2	78.6
134	0.0	14.3	42.9

Manual Integrations
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#95
Naphthalene
Concen: 74.878 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054341.D
Acq: 16 Mar 2019 17:13

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.9	8.7	13.1

