

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054106.D
 Acq On : 5 Mar 2019 18:22
 Operator : JC/SP
 Sample : K1727-01DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11DL

Manual Integrations
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MMDadoda
 3/6/2019 9:16:39 AM

Quant Time: Mar 06 03:35:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	624927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1114985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1090075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	420460	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	385674	52.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.30%	
35) Dibromofluoromethane	7.59	113	357590	49.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.20%	
50) Toluene-d8	10.09	98	1404787	52.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.40	95	486729	54.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	15563	1.947	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	3586	0.537	ug/l	85
27) cis-1,2-Dichloroethene	6.83	96	386253	52.017	ug/l	95
39) Methylcyclohexane	9.08	83	3947	0.316	ug/l	96
52) Toluene	10.16	92	175483	9.356	ug/l	99
67) Ethyl Benzene	11.51	91	71948	1.866	ug/l	96
68) m/p-Xylenes	11.62	106	180800	12.421	ug/l	96
69) o-Xylene	11.95	106	103704	7.251	ug/l	94
78) n-propylbenzene	12.59	91	24460	0.657	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	205681	7.676	ug/l	97
83) tert-Butylbenzene	12.99	119	11658	0.492	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	314626	11.762	ug/l	99
85) sec-Butylbenzene	13.17	105	8867m	0.274	ug/l	
86) p-Isopropyltoluene	13.29	119	20901	0.764	ug/l	99
95) Naphthalene	15.13	128	29325	4.860	ug/l	98

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

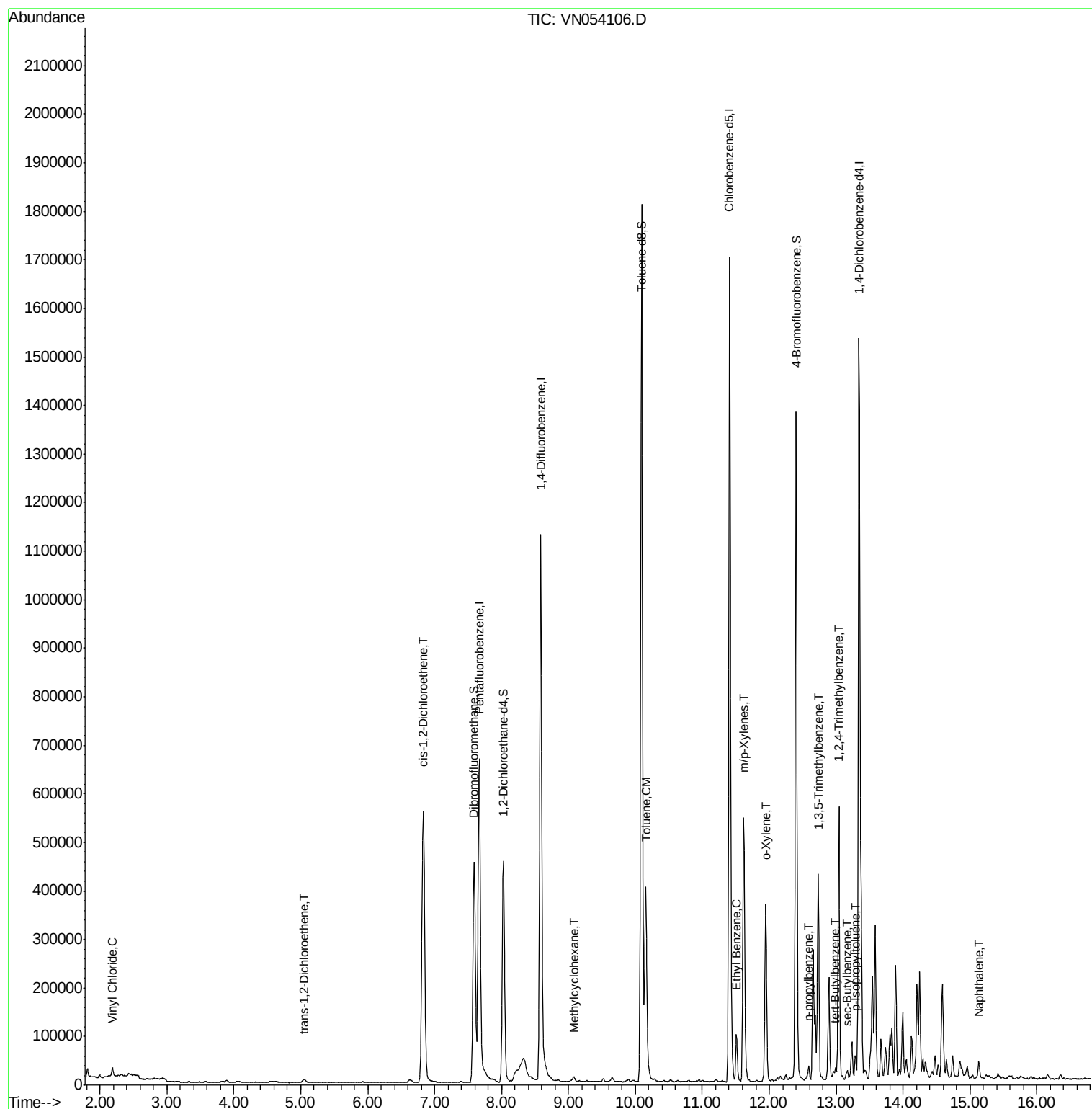
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030519\
Data File : VN054106.D
Acq On : 5 Mar 2019 18:22
Operator : JC/SP
Sample : K1727-01DL 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

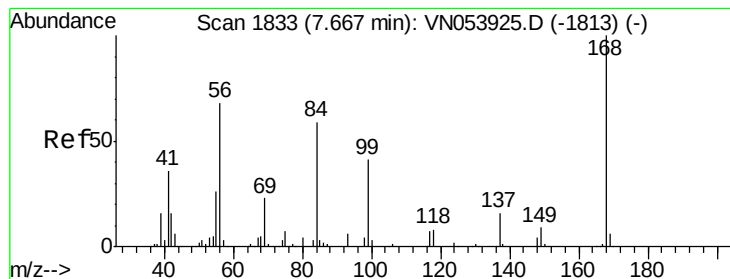
Instrument :
MSVOA_N
ClientSampleId :
MW-11DL

Manual Integrations
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Quant Time: Mar 06 03:35:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054106.D

Acq: 5 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

MW-11DL

Tot Ion:168 Resp: 624927

Ion Ratio Lower Upper

168 100

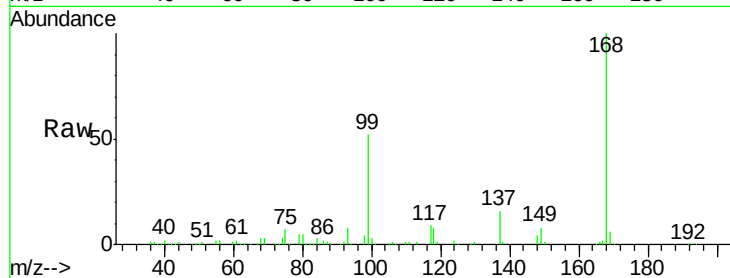
99 51.9 36.9 55.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

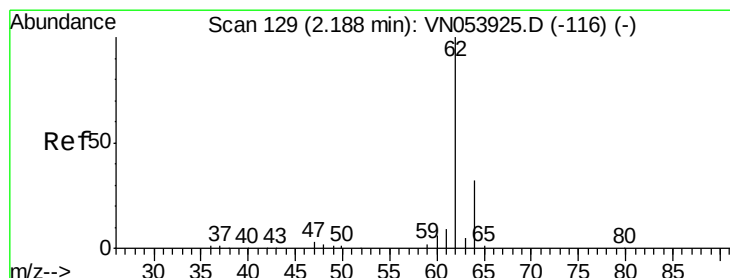
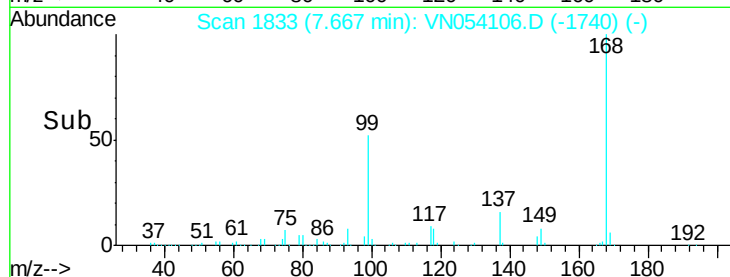
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#4

Vinyl Chloride

Concen: 1.947 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054106.D

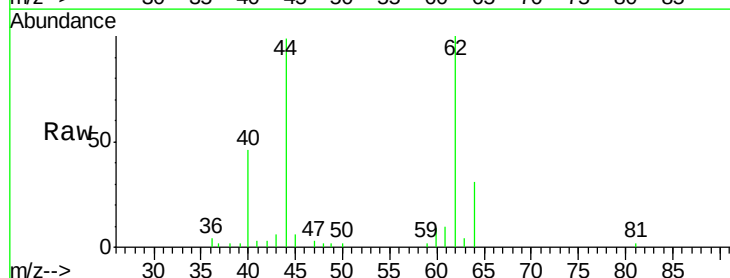
Acq: 5 Mar 2019 18:22

Tgt Ion: 62 Resp: 15563

Ion Ratio Lower Upper

62 100

64 30.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2.19

12000

10000

8000

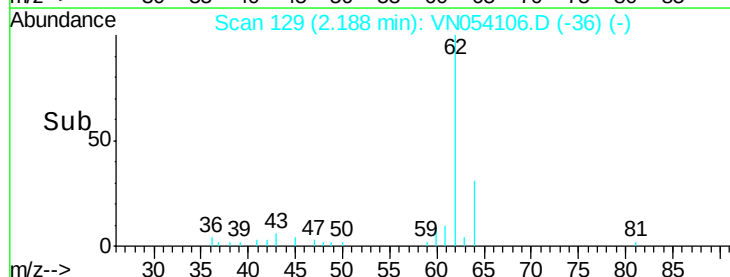
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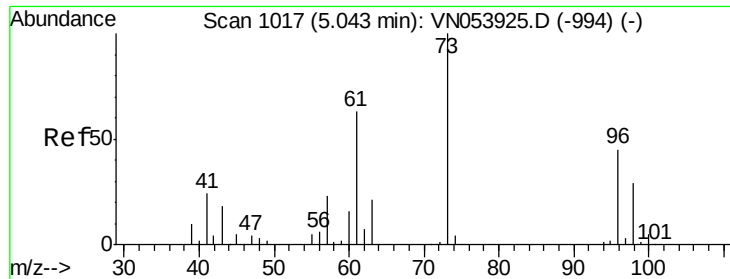
4000

2000

0

Time--> 2.15 2.20 2.25





#21

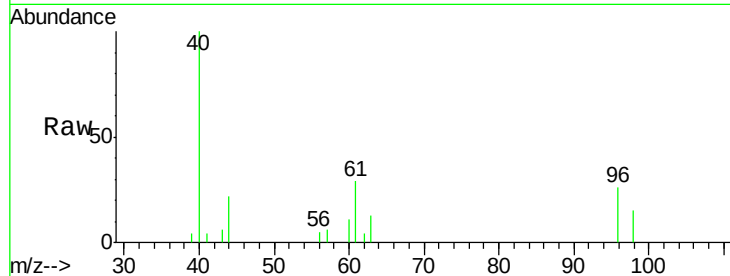
trans-1,2-Dichloroethene
Concen: 0.537 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VN054106.D
Acq: 5 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
MW-11DL

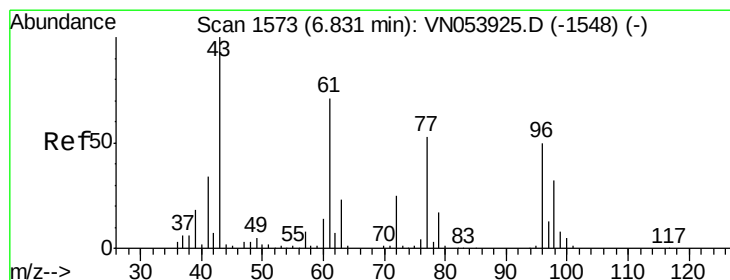
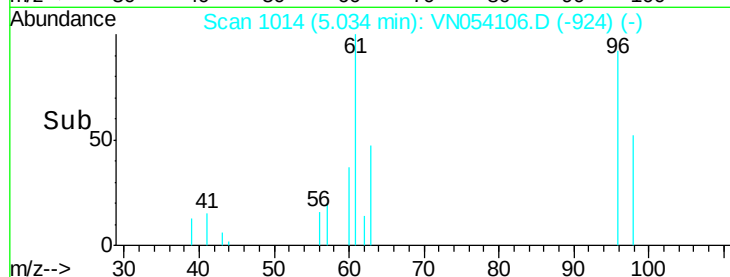
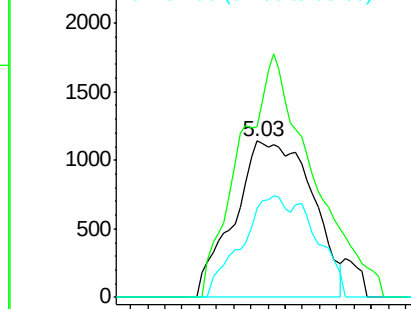
Tot Ion	Ratio	Lower	Upper
96	100		
61	109.1	104.5	156.7
98	56.8	50.6	76.0

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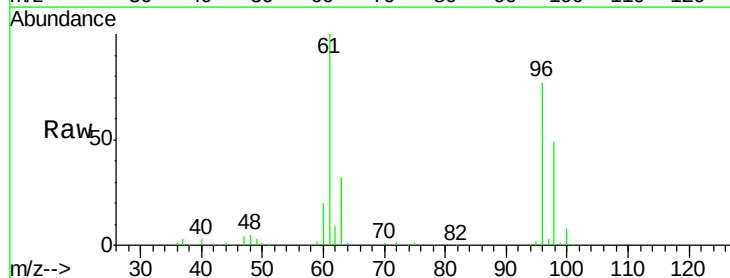
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



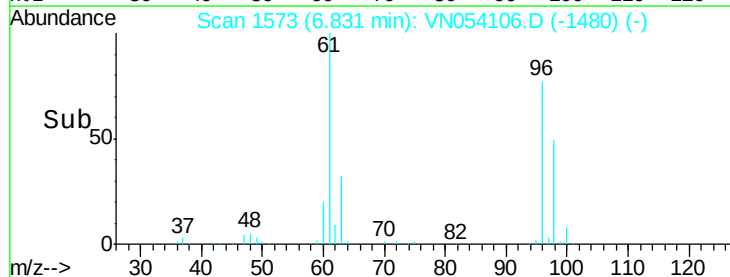
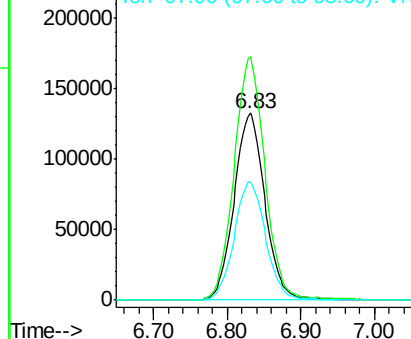
#27

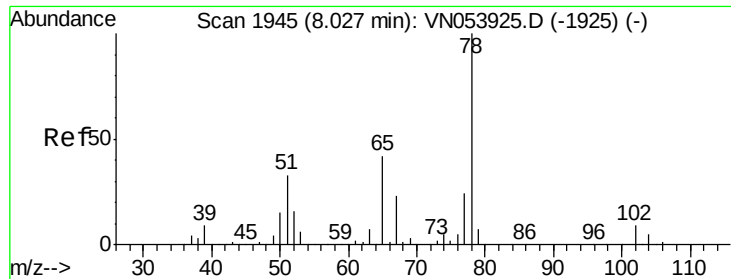
cis-1,2-Dichloroethene
Concen: 52.017 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN054106.D
Acq: 5 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	275.6
98	64.5	0.0	130.0



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





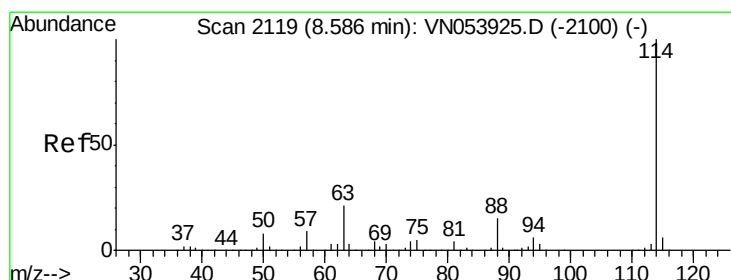
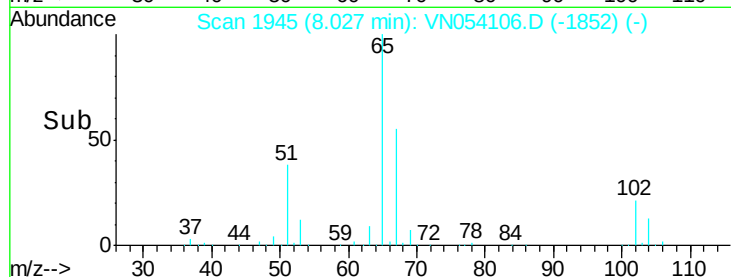
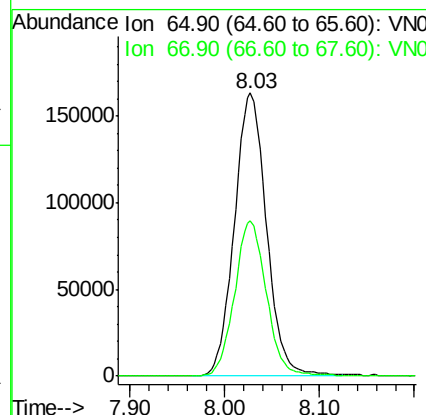
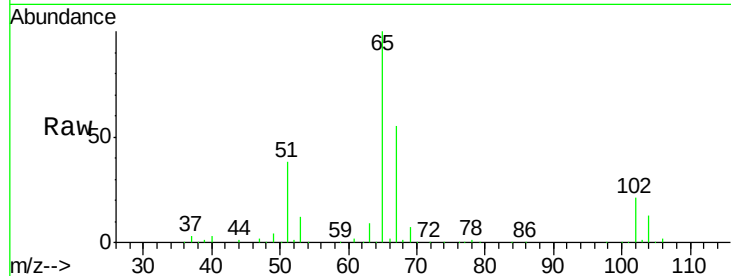
#33
 1,2-Dichloroethane-d4
 Concen: 52.648 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054106.D
 Acq: 5 Mar 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	385674		
67	54.3	0.0	111.8	

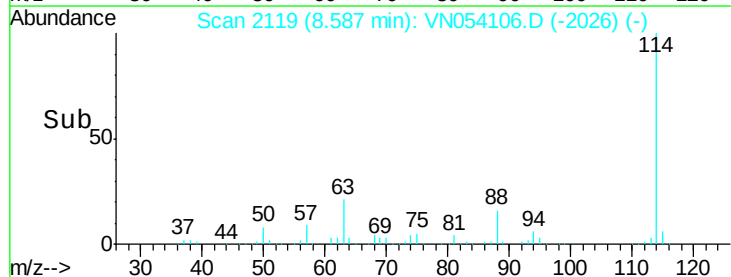
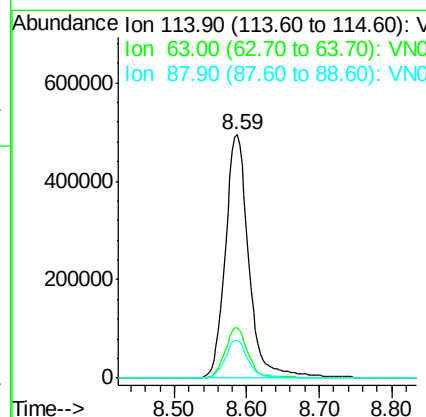
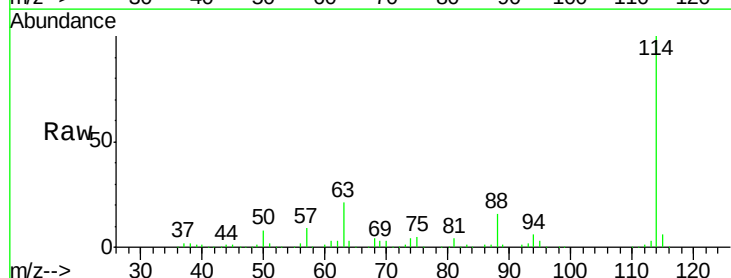
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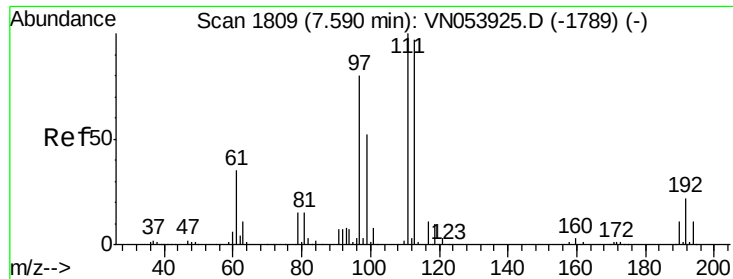
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054106.D
 Acq: 5 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1114985		
63	20.6	0.0	37.4	
88	15.5	0.0	30.4	





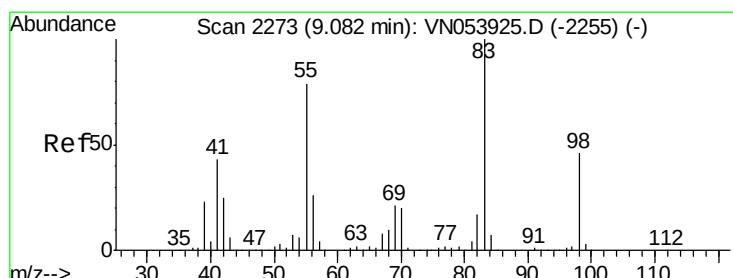
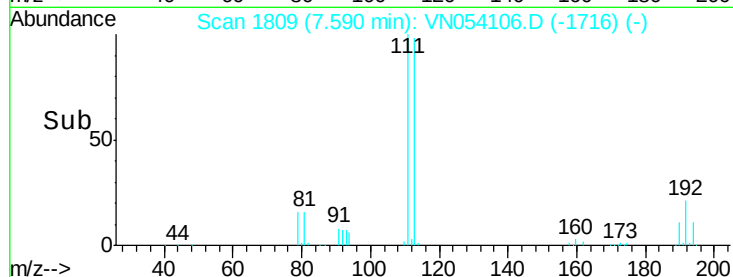
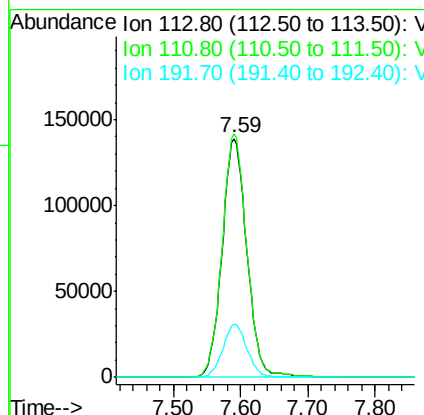
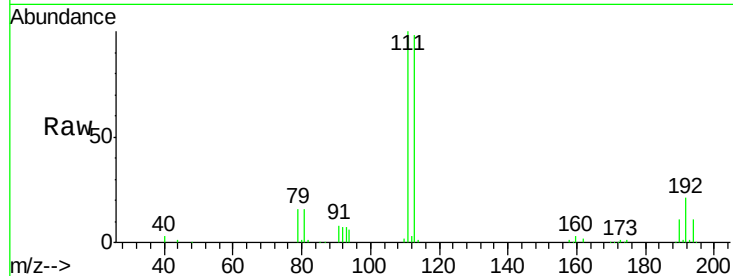
#35
Dibromofluoromethane
Concen: 49.595 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054106.D
Acq: 5 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
MW-11DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	357590		
111	101.6	81.1	121.7	
192	21.7	18.8	28.2	

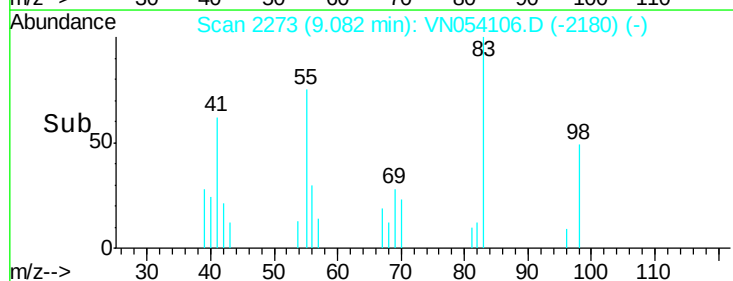
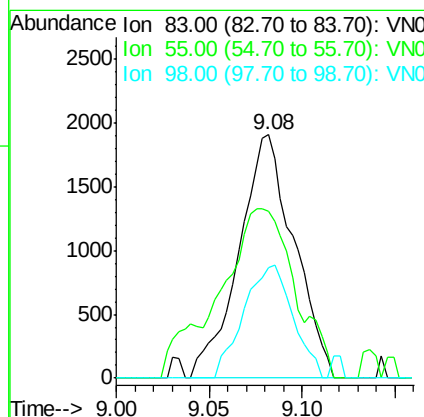
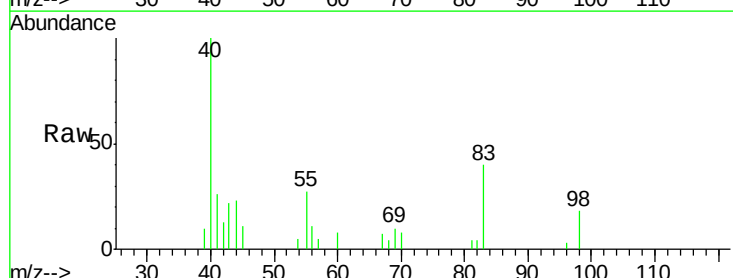
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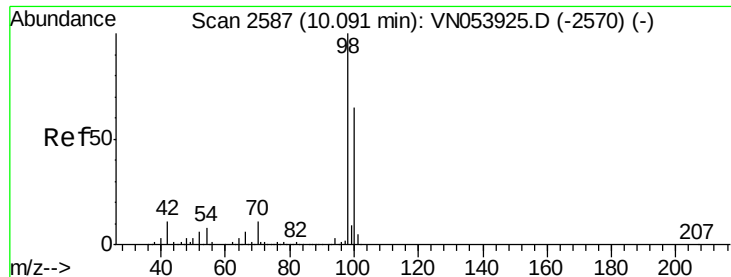
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#39
Methylcyclohexane
Concen: 0.316 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054106.D
Acq: 5 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	3947		
55	68.6	58.2	87.4	
98	45.3	37.2	55.8	





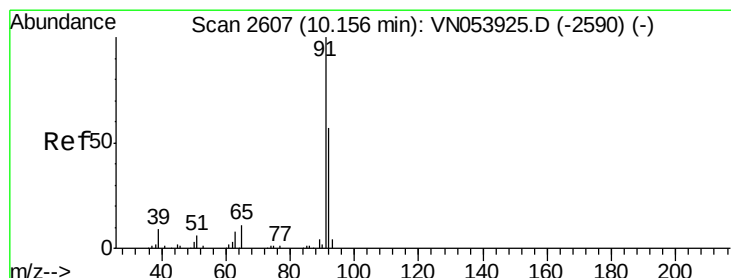
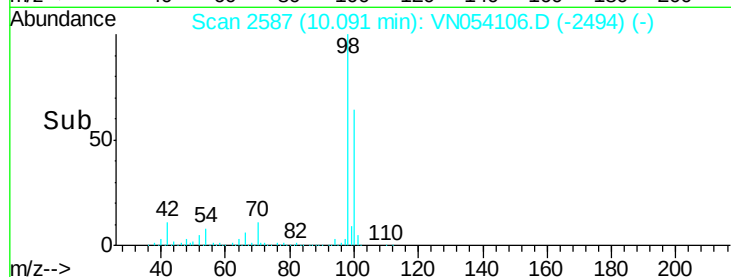
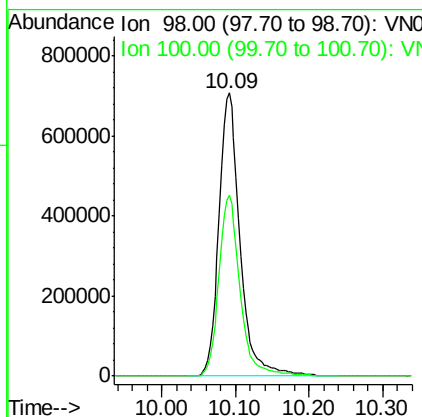
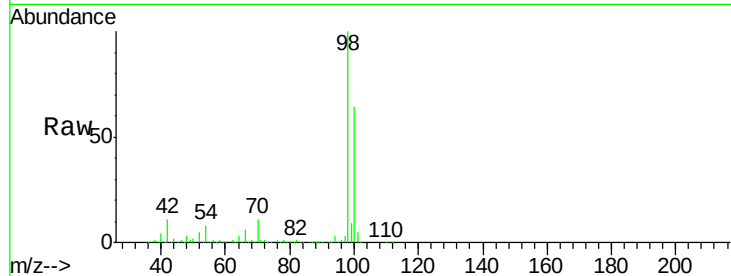
#50
Toluene-d8
Concen: 52.339 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054106.D
Acq: 5 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
MW-11DL

Tot Ion: 98 Resp: 1404787
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

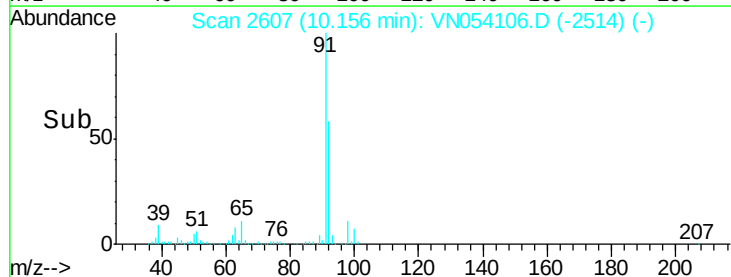
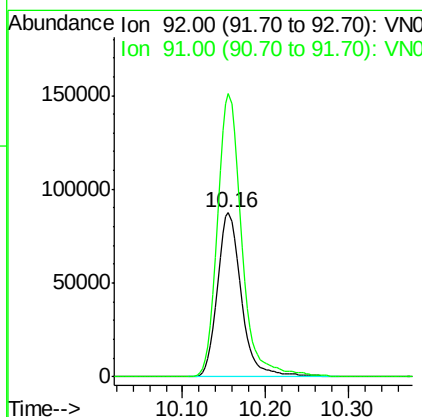
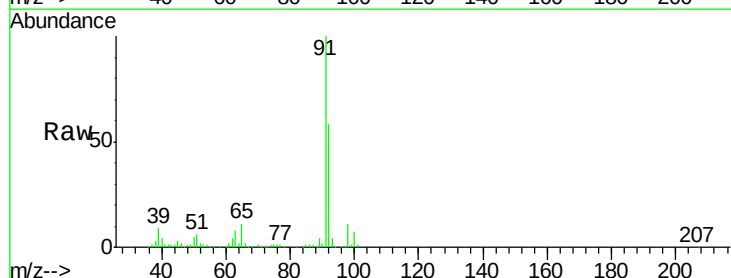
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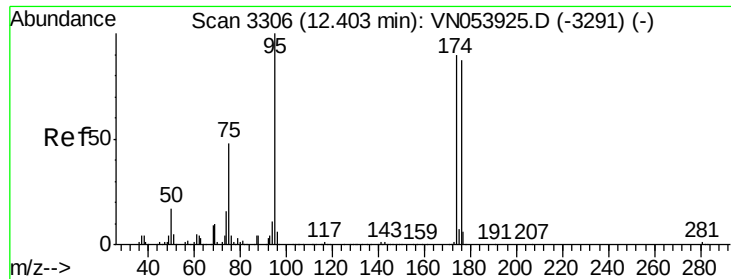
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#52
Toluene
Concen: 9.356 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054106.D
Acq: 5 Mar 2019 18:22

Tgt Ion: 92 Resp: 175483
Ion Ratio Lower Upper
92 100
91 174.0 138.4 207.6





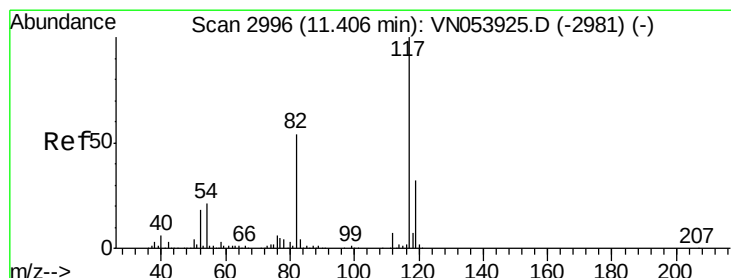
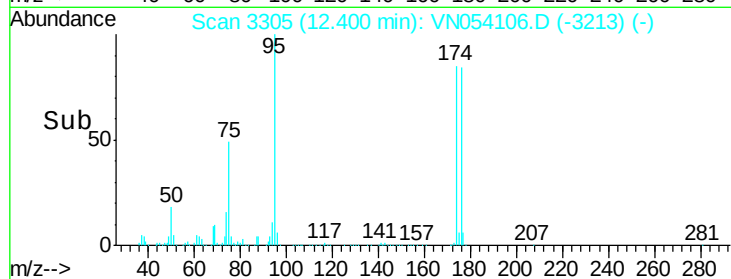
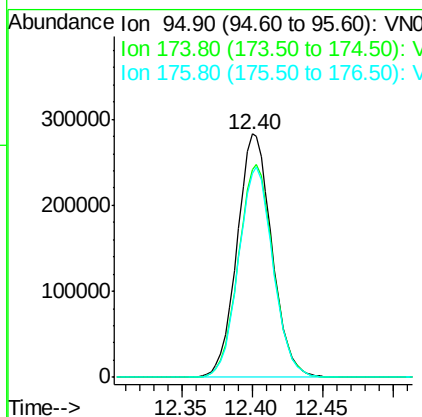
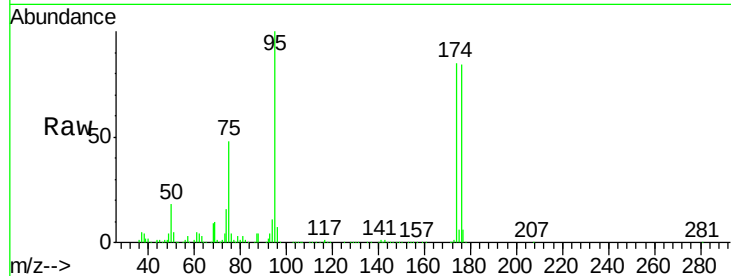
#62
4-Bromofluorobenzene
Concen: 54.430 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054106.D
Acq: 5 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
MW-11DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	486729		
174	87.9	0.0	188.8	
176	86.0	0.0	182.6	

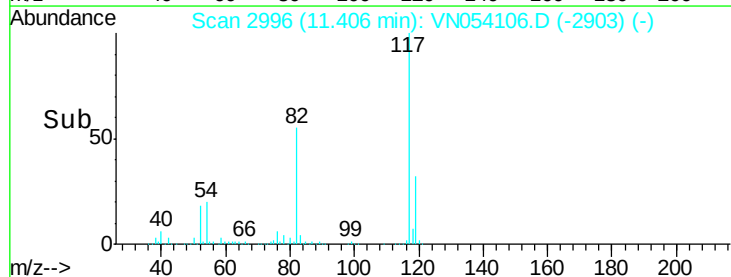
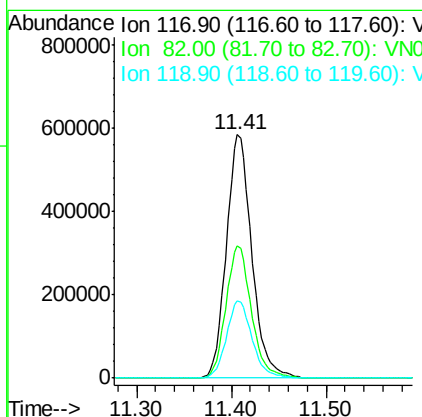
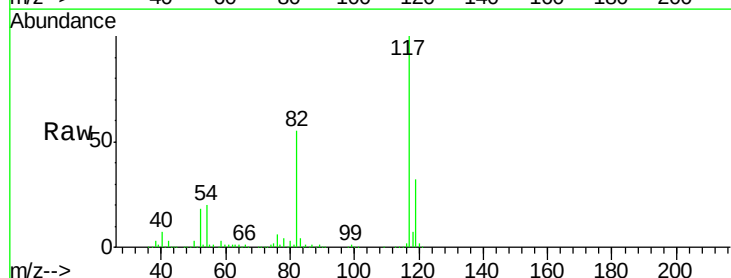
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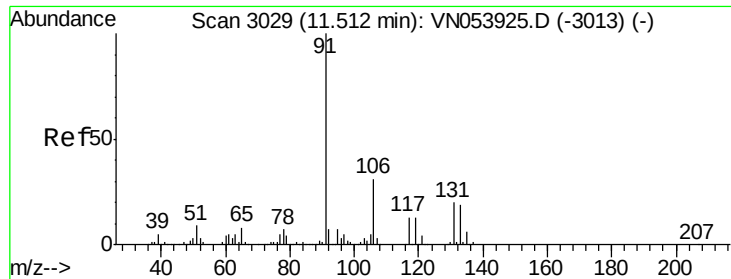
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054106.D
Acq: 5 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1090075		
82	54.5	41.4	62.2	
119	31.9	25.3	37.9	





#67

Ethyl Benzene

Concen: 1.866 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054106.D

Acq: 5 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

MW-11DL

Tot Ion: 91 Resp: 71948

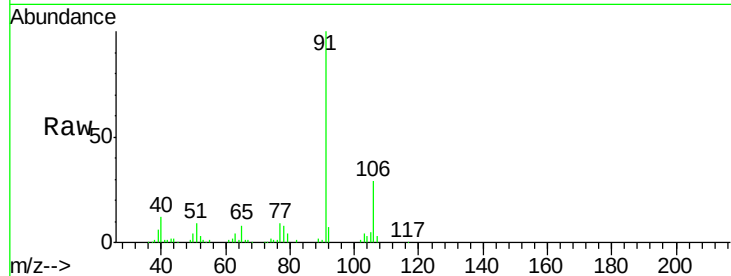
Ion Ratio Lower Upper

91 100

106 29.0 25.2 37.8

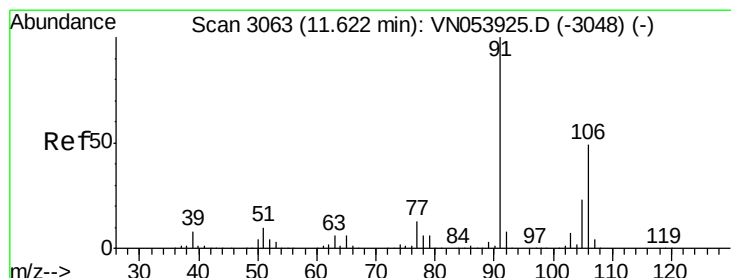
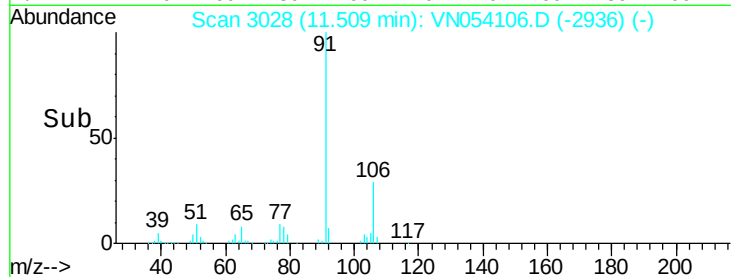
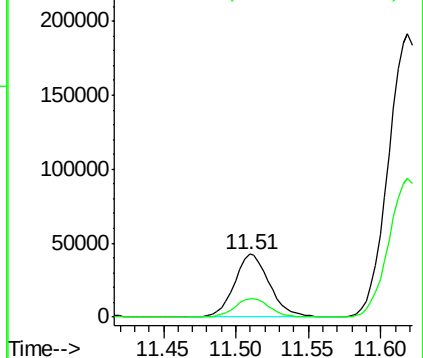
Manual Integrations
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3/6/2019 9:16:39 AM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 12.421 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054106.D

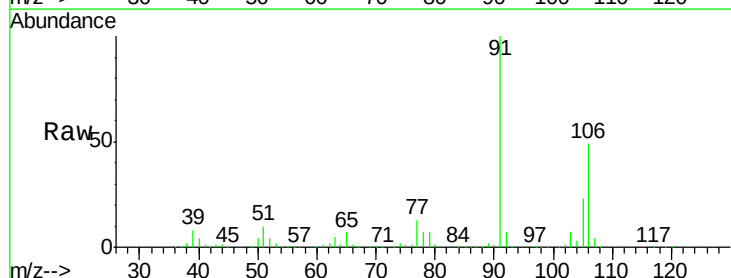
Acq: 5 Mar 2019 18:22

Tgt Ion:106 Resp: 180800

Ion Ratio Lower Upper

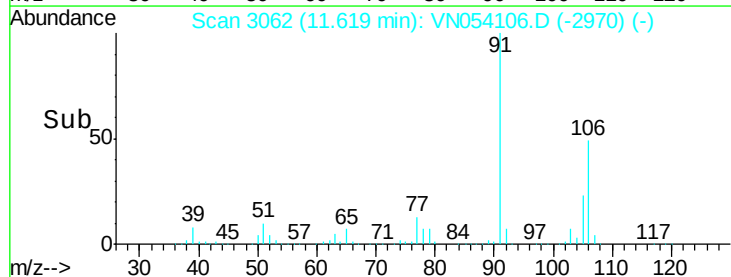
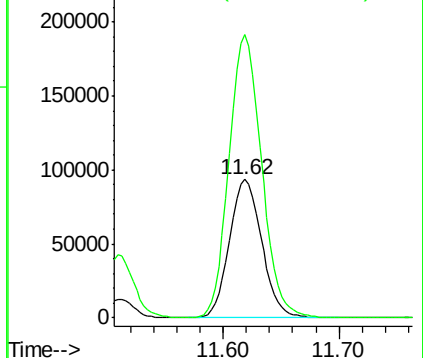
106 100

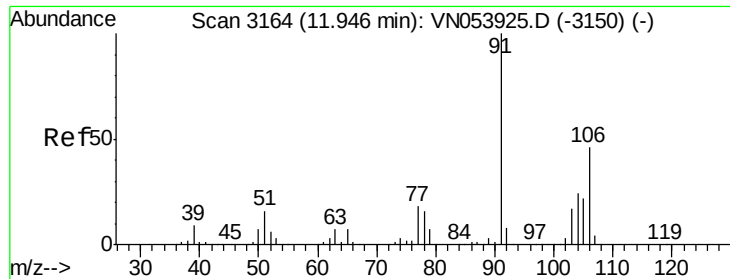
91 205.3 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





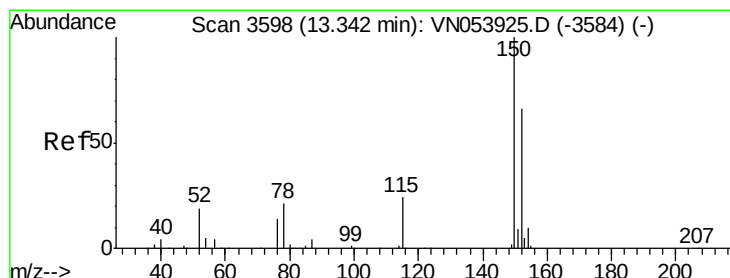
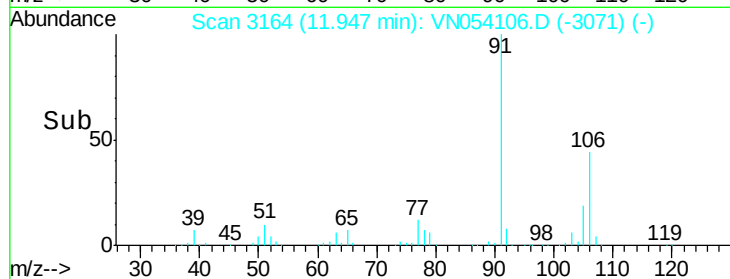
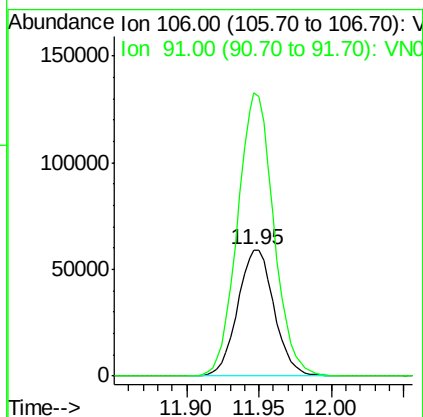
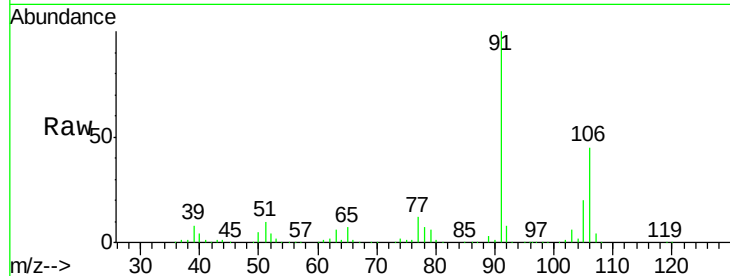
#69
o-Xylene
Concen: 7.251 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054106.D
Acq: 5 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampled :
MW-11DL

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.8	106.0	318.0

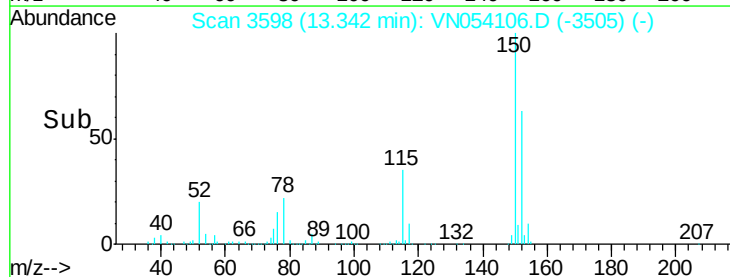
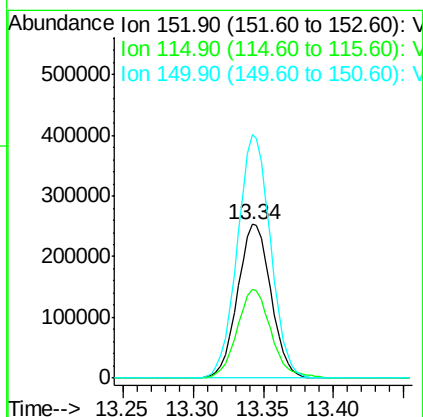
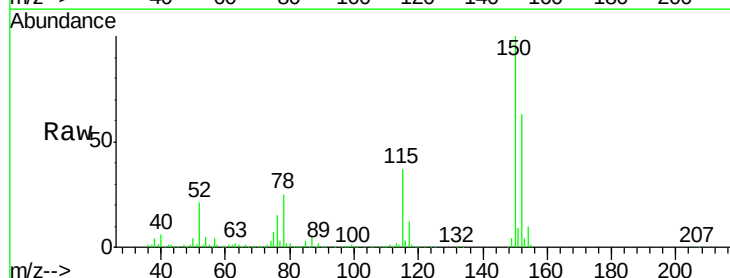
Manual Integrations
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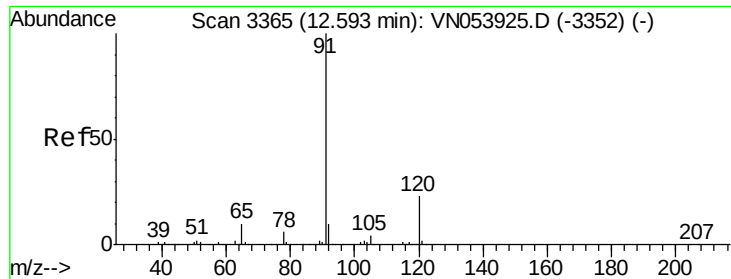
MMDadoda
3/6/2019 9:16:39 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054106.D
Acq: 5 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	27.2	81.6
150	157.2	0.0	348.2





#78

n-propylbenzene

Concen: 0.657 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054106.D

Acq: 5 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

MW-11DL

Tot Ion: 91 Resp: 24460

Ion Ratio Lower Upper

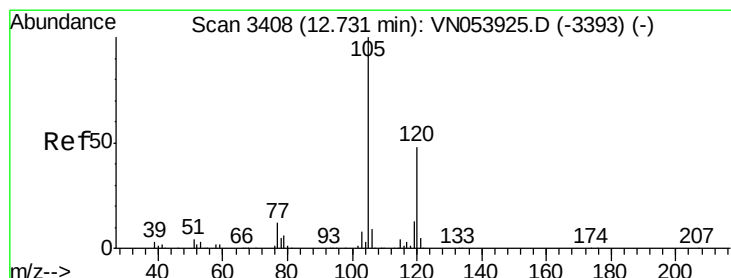
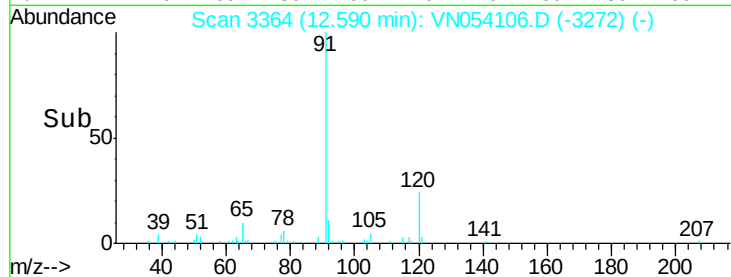
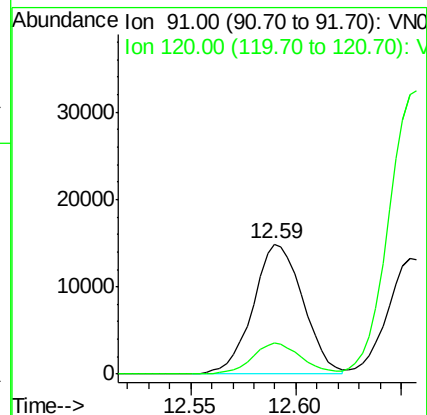
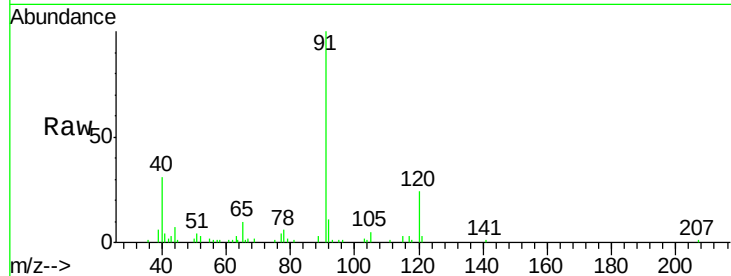
91 100

120 23.5 11.9 35.9

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#80

1,3,5-Trimethylbenzene

Concen: 7.676 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054106.D

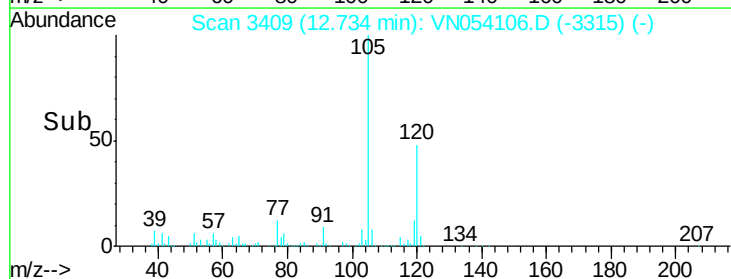
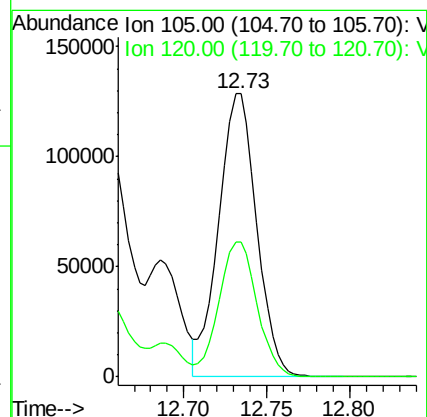
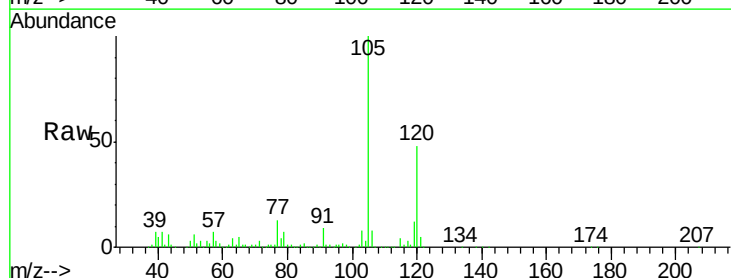
Acq: 5 Mar 2019 18:22

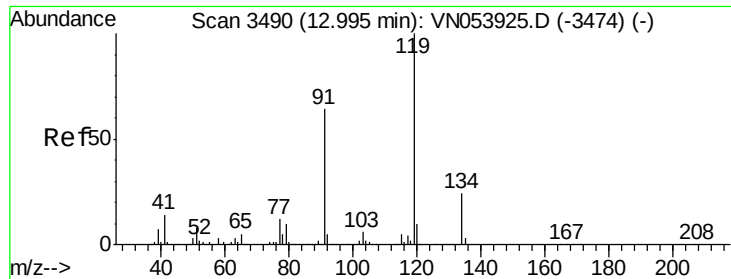
Tgt Ion: 105 Resp: 205681

Ion Ratio Lower Upper

105 100

120 47.9 25.1 75.2





#83

tert-Butylbenzene

Concen: 0.492 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054106.D

Acq: 5 Mar 2019 18:22

Instrument :

MSVOA_N

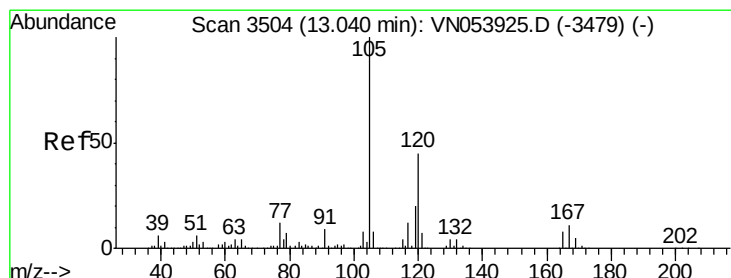
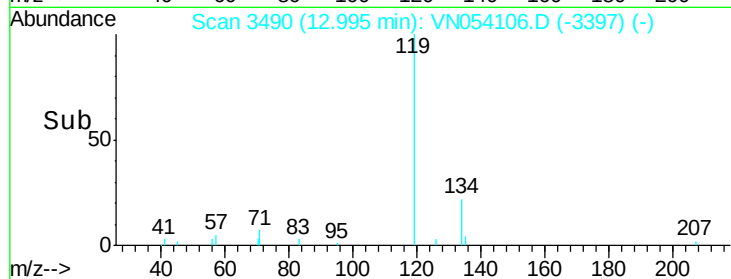
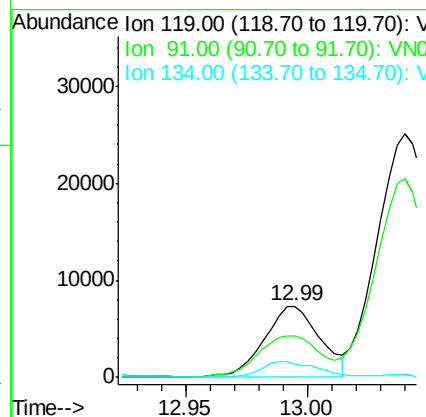
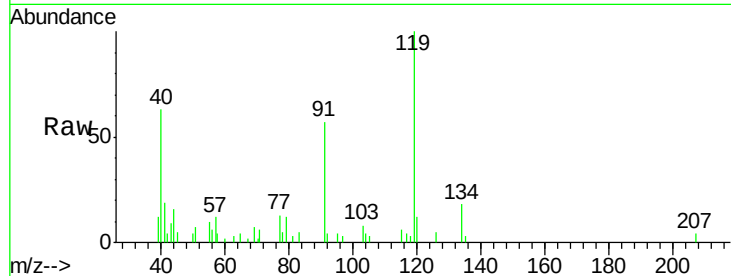
ClientSampled :

MW-11DL

Tot Ion:	119	Resp:	11658
Ion Ratio	Lower	Upper	
119	100		
91	64.1	30.6	91.8
134	22.4	13.0	39.0

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#84

1,2,4-Trimethylbenzene

Concen: 11.762 ug/l

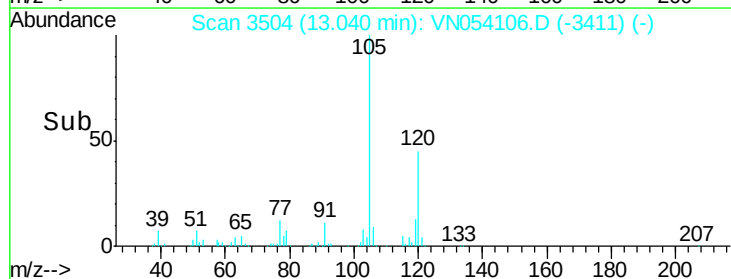
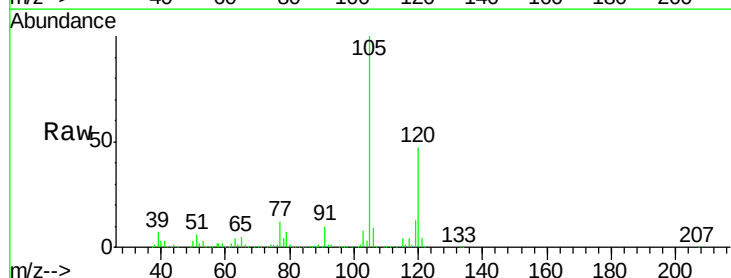
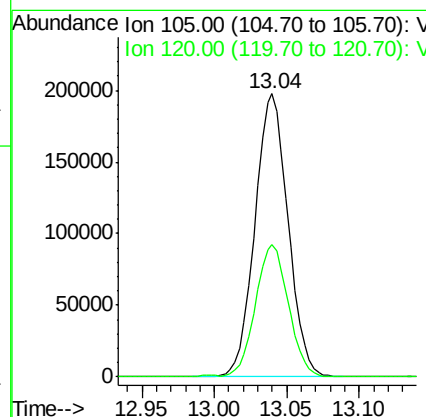
RT: 13.04 min Scan# 3504

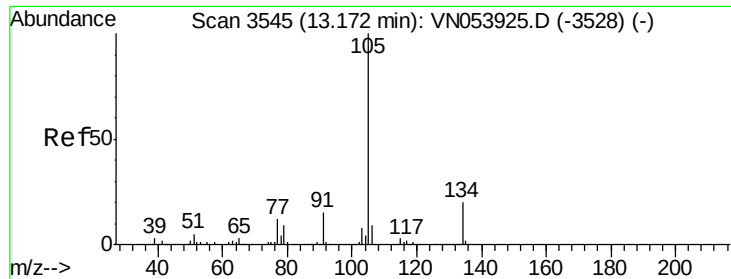
Delta R.T. 0.00 min

Lab File: VN054106.D

Acq: 5 Mar 2019 18:22

Tgt Ion:	105	Resp:	314626
Ion Ratio	Lower	Upper	
105	100		
120	47.0	23.2	69.5





#85

sec-Butylbenzene

Concen: 0.274 ug/l m

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054106.D

Acq: 5 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

MW-11DL

Tot Ion:105 Resp: 8867

Ion Ratio Lower Upper

105 100

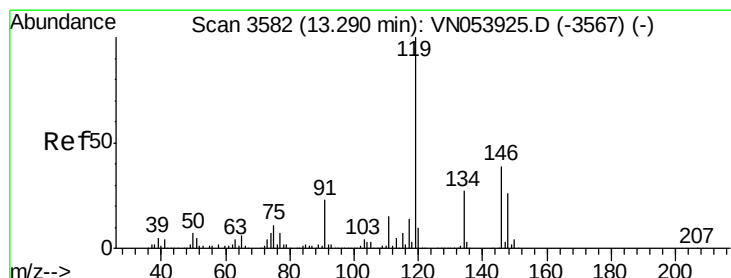
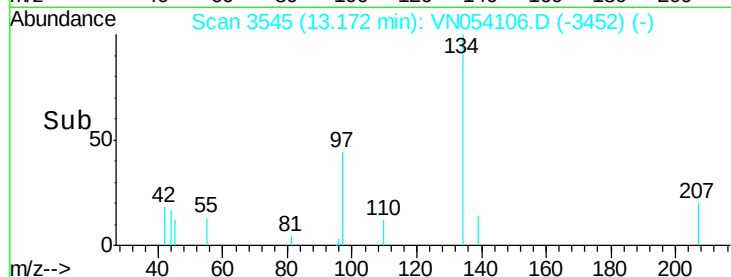
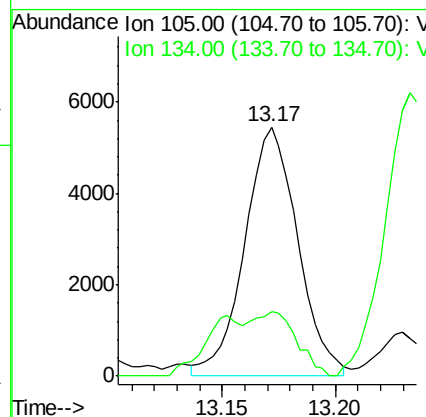
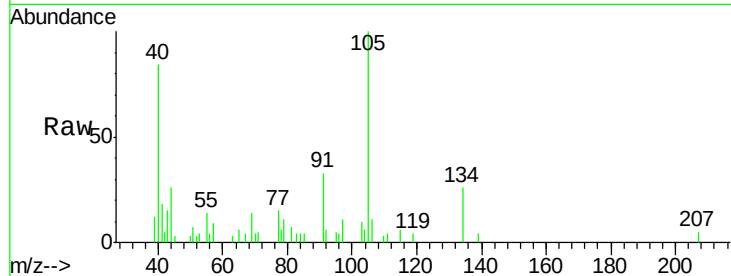
134 3.3 10.4 31.1#

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#86

p-Isopropyltoluene

Concen: 0.764 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054106.D

Acq: 5 Mar 2019 18:22

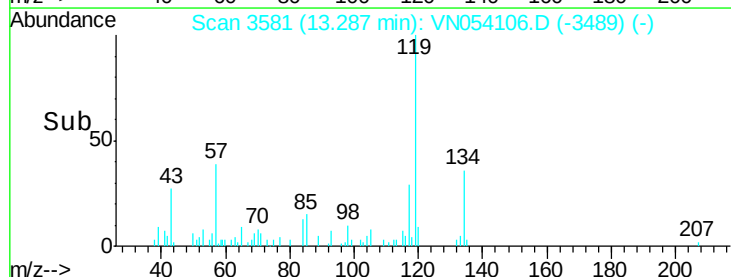
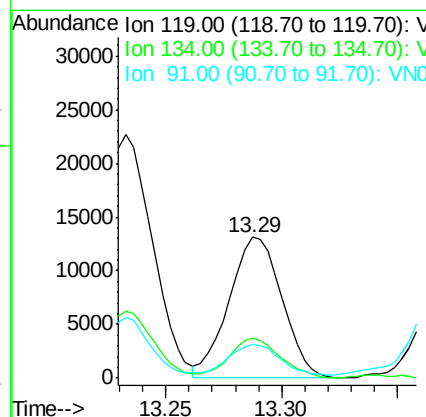
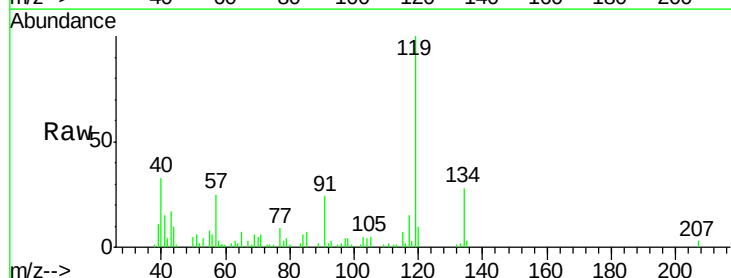
Tgt Ion:119 Resp: 20901

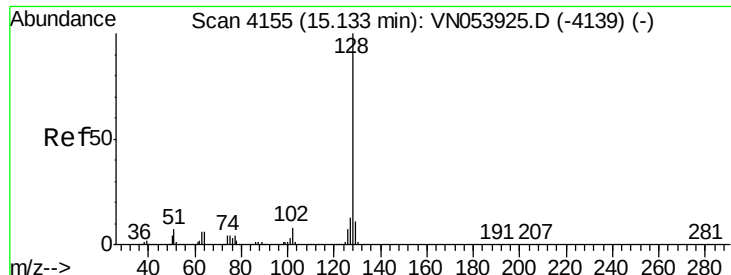
Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

91 20.8 10.9 32.6





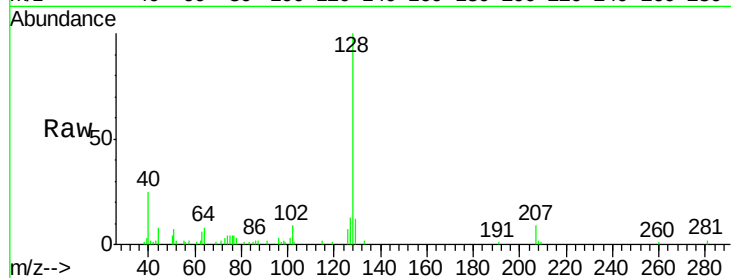
#95
Naphthalene
Concen: 4.860 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054106.D
Acq: 5 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
MW-11DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.8	8.6	12.8

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

