

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051120.D
 Acq On : 11 Sep 2018 12:19
 Operator : MD\SY
 Sample : J4849-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 10:06:56 AM

Quant Time: Sep 12 09:24:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	692984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1030062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	933805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	428966	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	387508	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	
35) Dibromofluoromethane	7.59	113	383351	49.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.06%	
50) Toluene-d8	10.09	98	1465839	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.40	95	496109	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.12%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.06	50	9101	0.52	ug/l	94
11) Tert butyl alcohol	4.79	59	10840	18.40	ug/l #	85
16) Acetone	3.83	43	12313	0.63	ug/l	90
25) 2-Butanone	6.86	43	8392	2.77	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	2429	0.28	ug/l	83
30) Chloroform	7.37	83	10755	0.76	ug/l	97
39) Methylcyclohexane	9.08	83	122264	9.80	ug/l	99
44) Trichloroethene	8.83	130	3531	0.38	ug/l	72
64) Tetrachloroethene	10.63	164	7845	0.92	ug/l	96
67) Ethyl Benzene	11.51	91	411372	10.79	ug/l	99
68) m/p-Xylenes	11.63	106	2035975	139.01	ug/l	99
69) o-Xylene	11.95	106	25454	1.79	ug/l	81
73) Isopropylbenzene	12.25	105	8215253	228.36	ug/l	100
78) n-propylbenzene	12.58	91	15740697m	398.08	ug/l	
80) 1,3,5-Trimethylbenzene	12.73	105	2852492	98.08	ug/l	100
83) tert-Butylbenzene	12.99	119	611552	23.82	ug/l	97
84) 1,2,4-Trimethylbenzene	13.03	105	20608293m	720.63	ug/l	
85) sec-Butylbenzene	13.17	105	2788052	84.67	ug/l #	75
86) p-Isopropyltoluene	13.29	119	848786	30.40	ug/l	100
89) n-Butylbenzene	13.61	91	1442611	66.39	ug/l #	74
95) Naphthalene	15.13	128	218685	17.45	ug/l	99

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

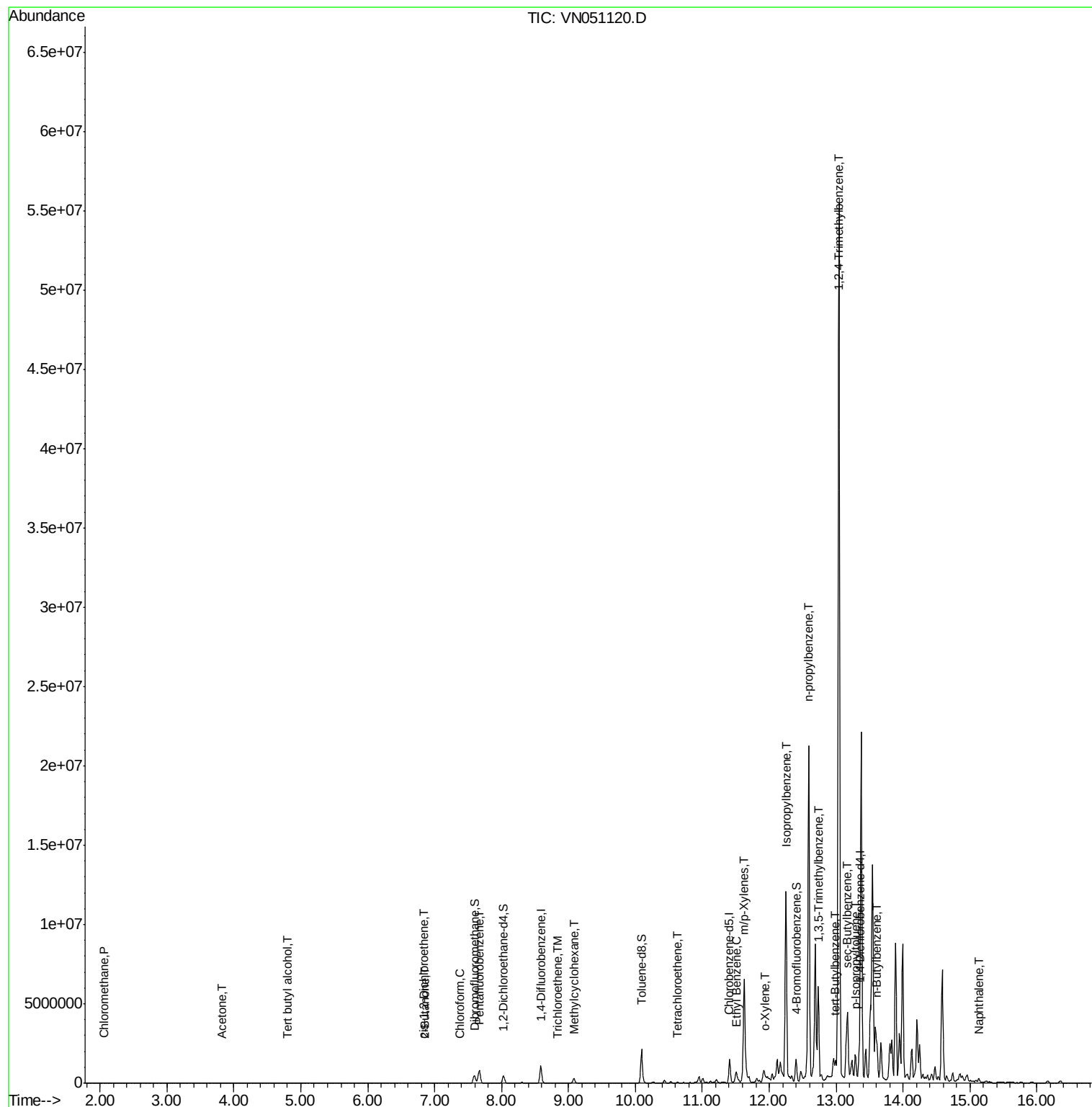
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
Data File : VN051120.D
Acq On : 11 Sep 2018 12:19
Operator : MD\SY
Sample : J4849-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

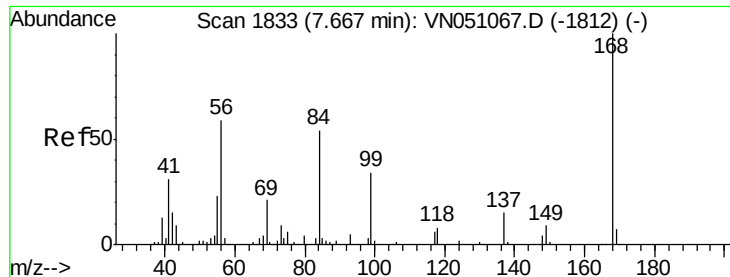
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C

Manual Integrations
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Quant Time: Sep 12 09:24:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C

Tot Ion:168 Resp: 692984

Ion Ratio Lower Upper

168 100

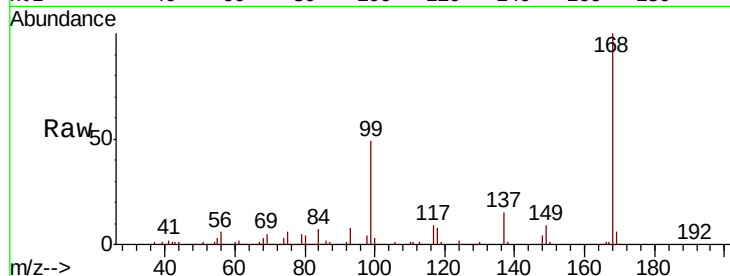
99 48.7 38.3 57.5

Manual Integrations

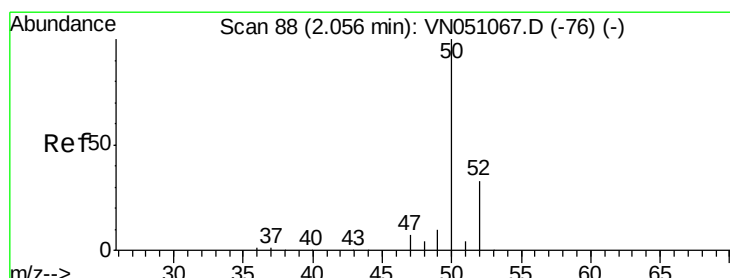
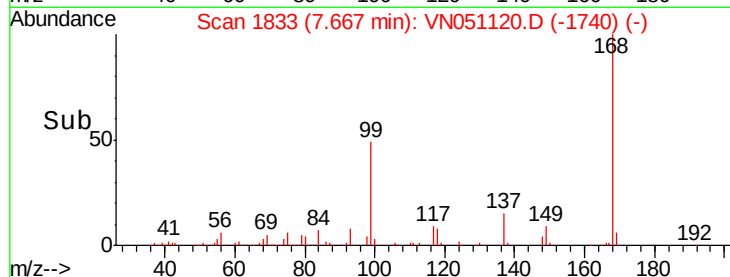
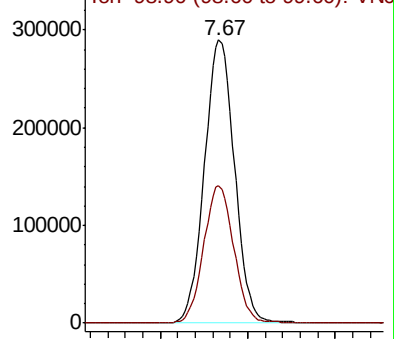
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Abundance Ion 167.90 (167.60 to 168.60): VN051067.D (-1812) (-)



#3

Chloromethane

Concen: 0.52 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051120.D

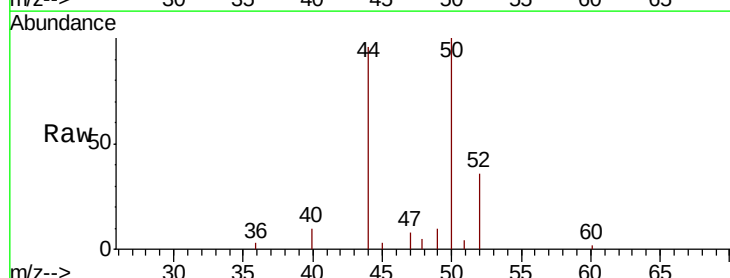
Acq: 11 Sep 2018 12:19

Tgt Ion: 50 Resp: 9101

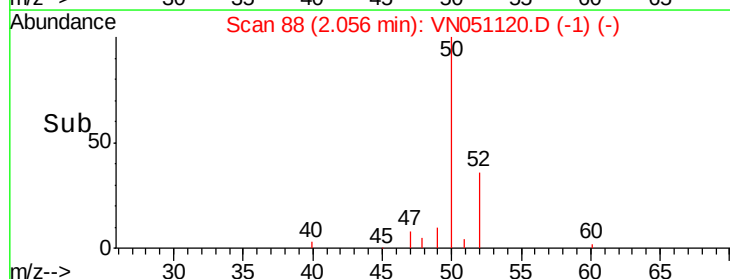
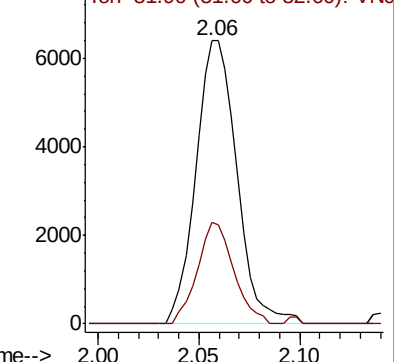
Ion Ratio Lower Upper

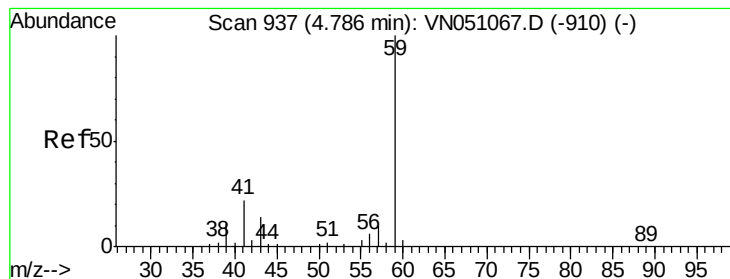
50 100

52 35.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN051067.D (-76) (-)





#11

Tert butyl alcohol

Concen: 18.40 ug/l

RT: 4.79 min Scan# 938

Delta R.T. 0.00 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-C

Tot Ion: 59 Resp: 10840

Ion Ratio Lower Upper

59 100

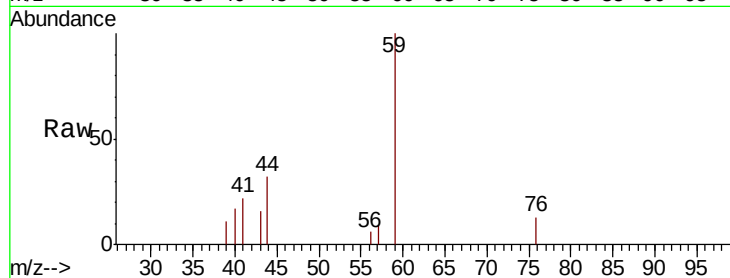
57 4.6 8.1 12.1#

Manual Integrations

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Abundance Ion 59.00 (58.70 to 59.70): VN051067.D (-910) (-)

Ion 57.00 (56.70 to 57.70): VN051067.D (-910) (-)

4.79

3000

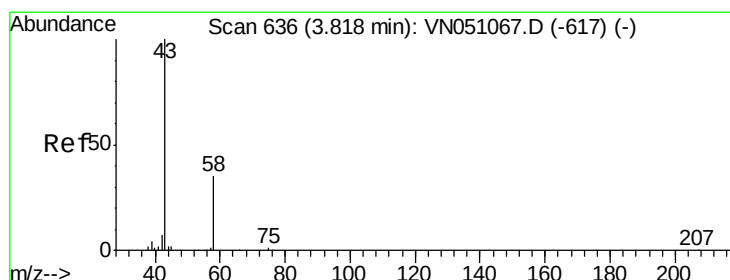
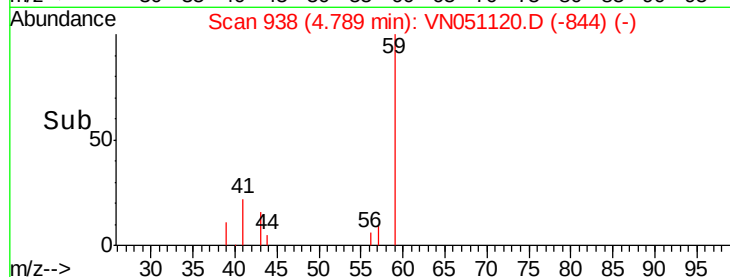
2000

1000

0

4.70 4.75 4.80 4.85 4.90

Time-->



#16

Acetone

Concen: 0.63 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051120.D

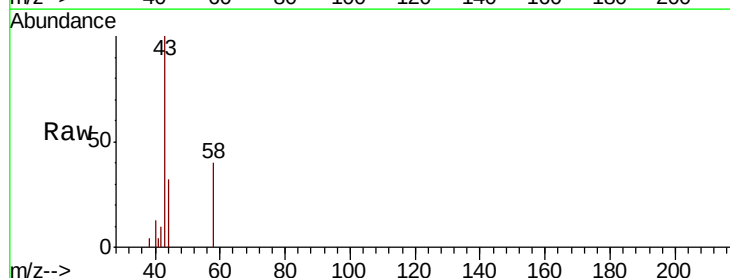
Acq: 11 Sep 2018 12:19

Tgt Ion: 43 Resp: 12313

Ion Ratio Lower Upper

43 100

58 40.3 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN051067.D (-617) (-)

3.83

4000

3000

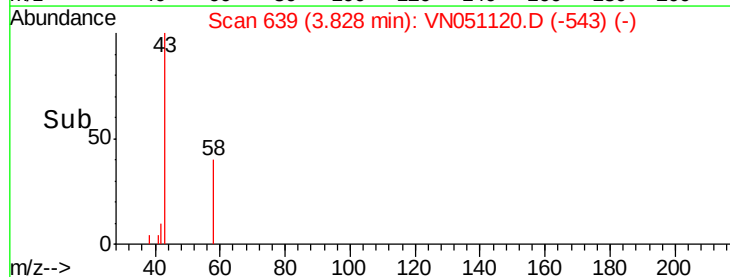
2000

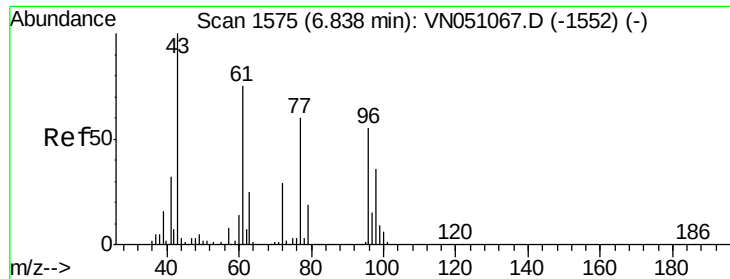
1000

0

3.75 3.80 3.85 3.90

Time-->





#25

2-Butanone

Concen: 2.77 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C

Tot Ion: 43 Resp: 8392

Ion Ratio Lower Upper

43 100

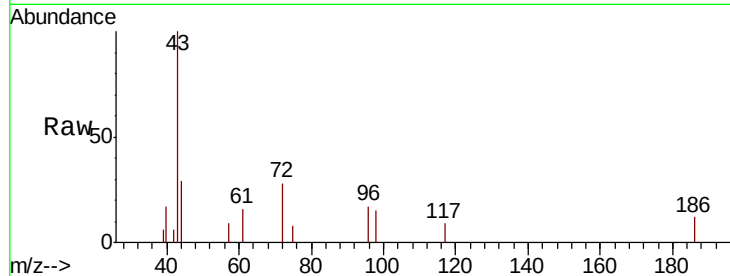
72 27.7 23.0 34.6

Manual Integrations

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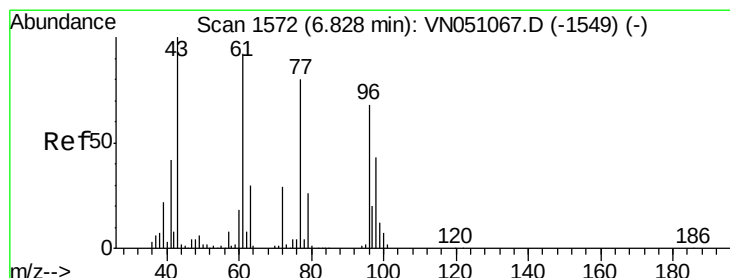
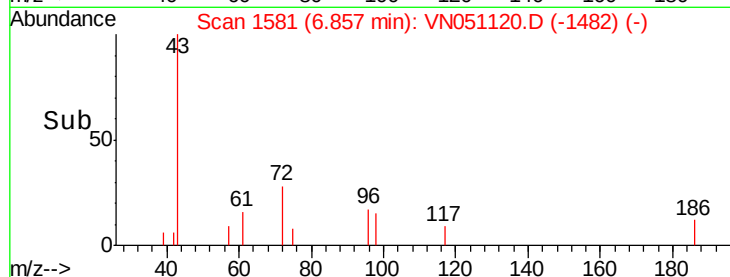
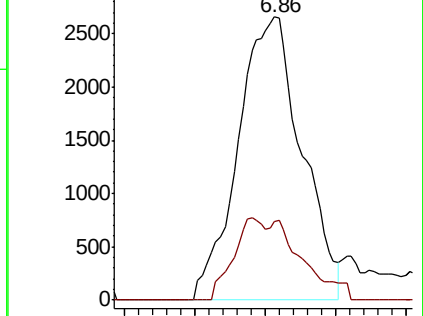
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Abundance Ion 43.00 (42.70 to 43.70): VN051120.D (-1581) (-)

Ion 72.00 (71.70 to 72.70): VN051120.D (-1581) (-)



#27

cis-1,2-Dichloroethene

Concen: 0.28 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

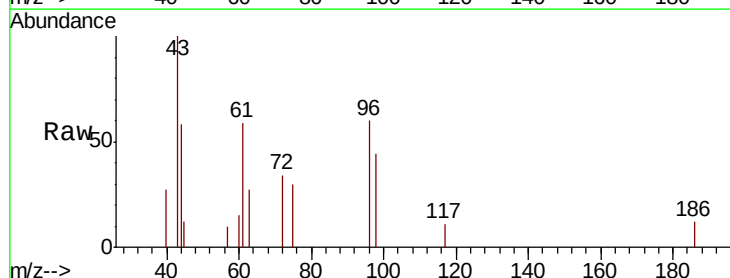
Tgt Ion: 96 Resp: 2429

Ion Ratio Lower Upper

96 100

61 110.6 0.0 278.2

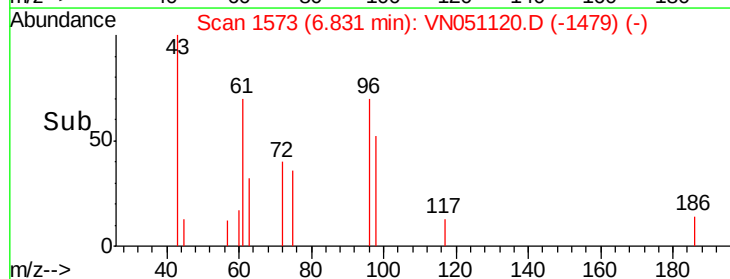
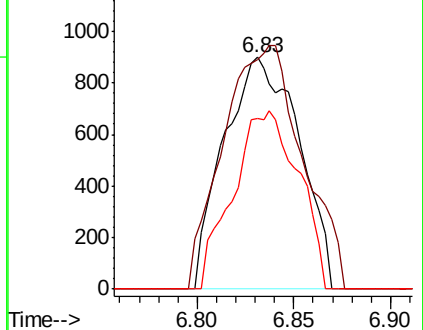
98 67.0 0.0 129.4

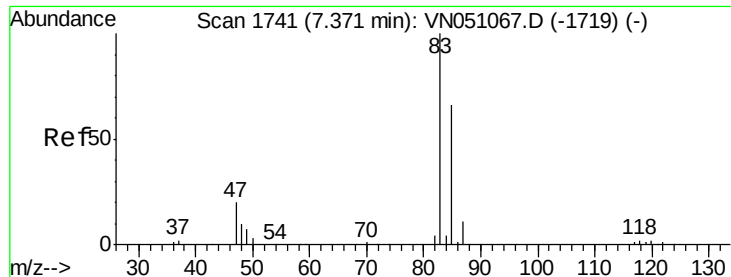


Abundance Ion 95.90 (95.60 to 96.60): VN051120.D (-1573) (-)

Ion 60.90 (60.60 to 61.60): VN051120.D (-1573) (-)

Ion 97.90 (97.60 to 98.60): VN051120.D (-1573) (-)





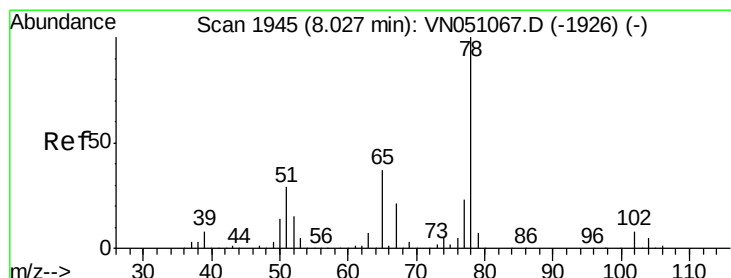
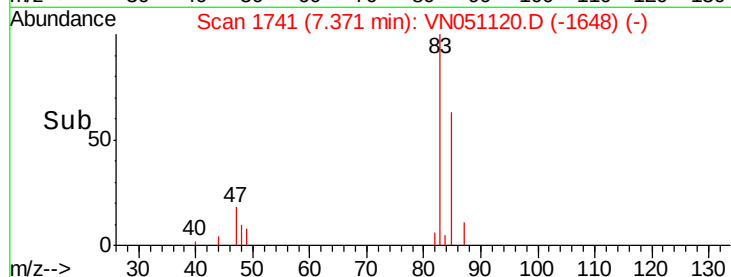
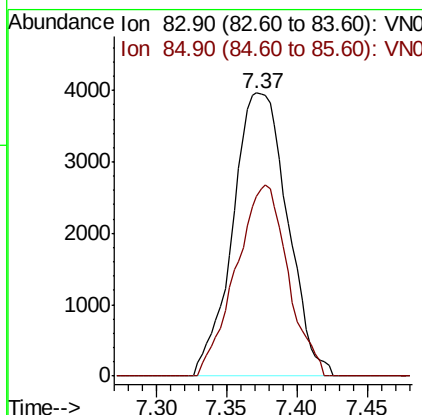
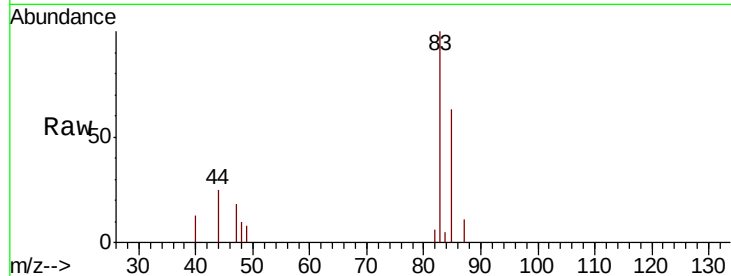
#30
Chloroform
Concen: 0.76 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C

Tot Ion	83	Resp	10755
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	52.6	79.0

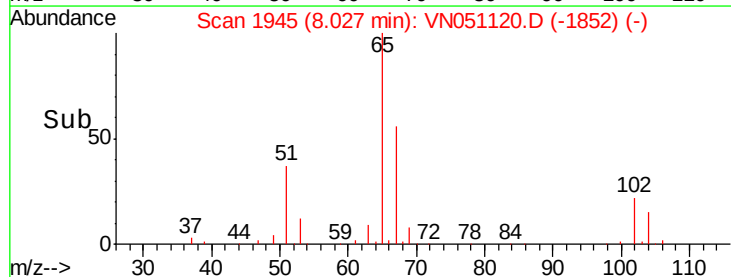
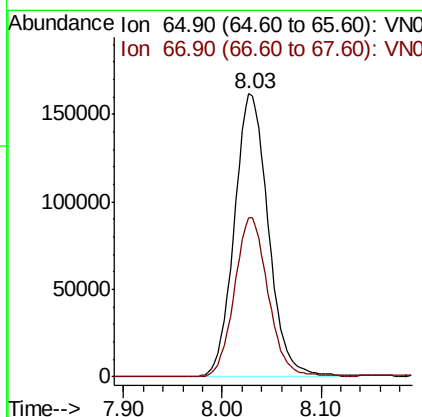
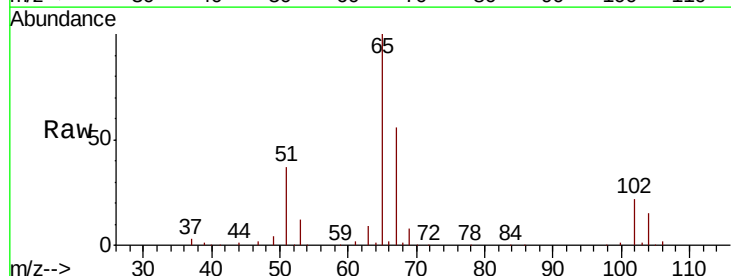
Manual Integrations
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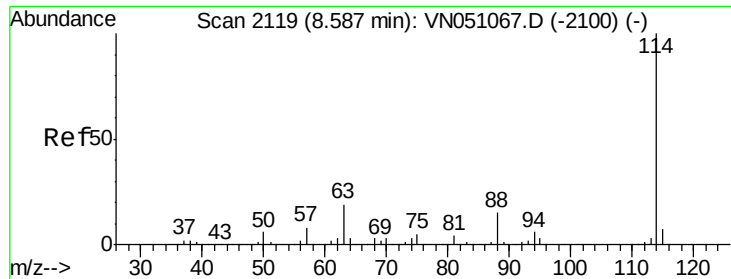
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#33
1,2-Dichloroethane-d4
Concen: 50.25 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion	65	Resp	387508
Ion Ratio	100	Lower	Upper
65	100		
67	55.8	0.0	112.0





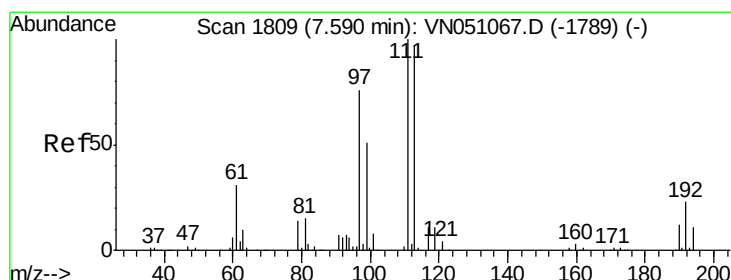
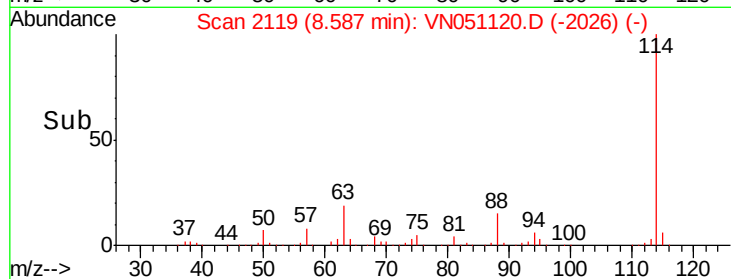
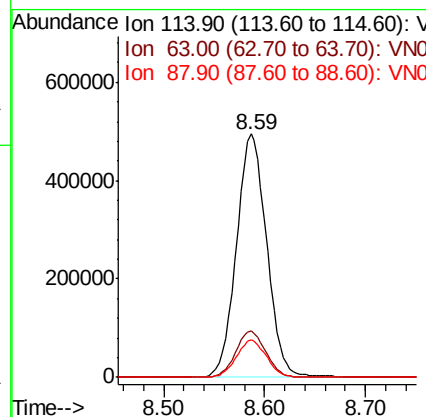
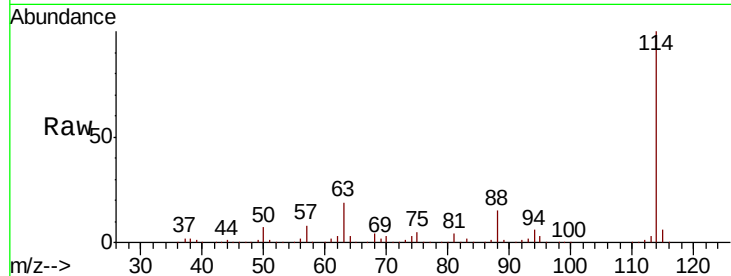
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	37.8
88	15.2	0.0	30.8

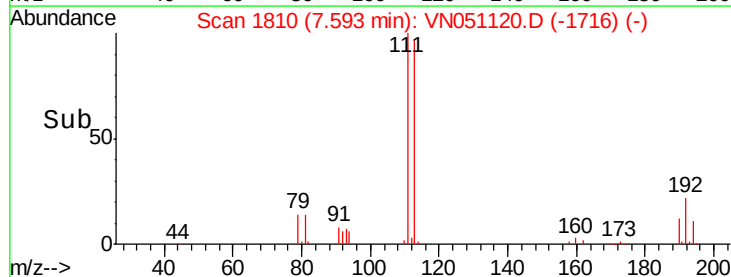
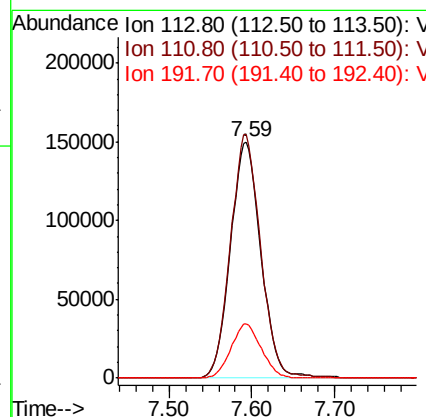
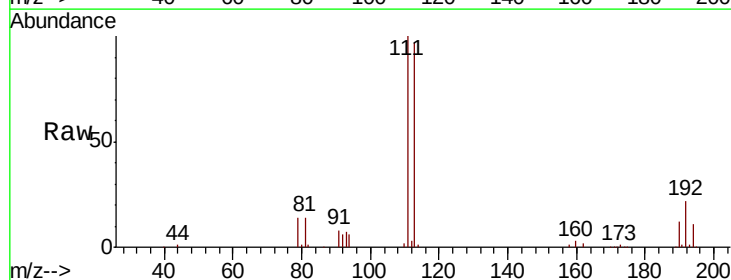
Manual Integrations
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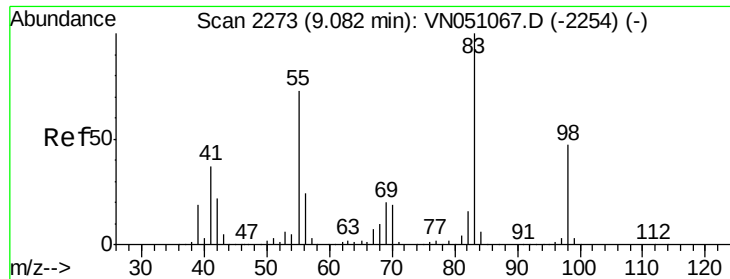
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#35
 Dibromofluoromethane
 Concen: 49.53 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.6
192	22.8	18.7	28.1





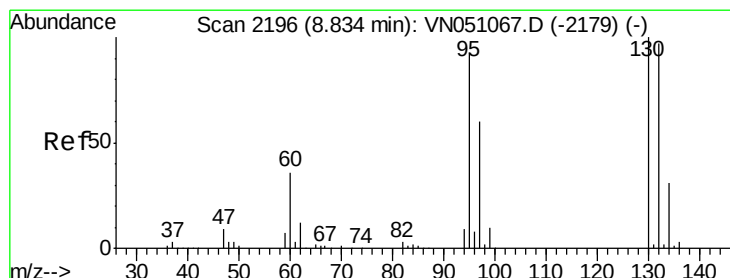
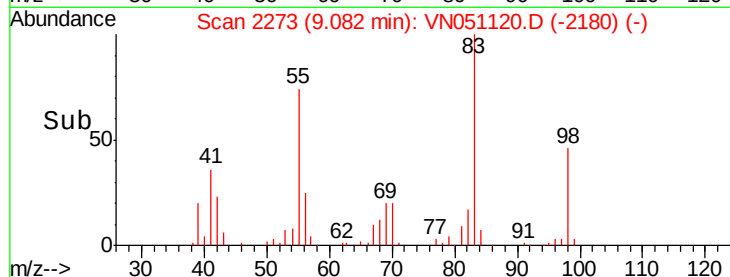
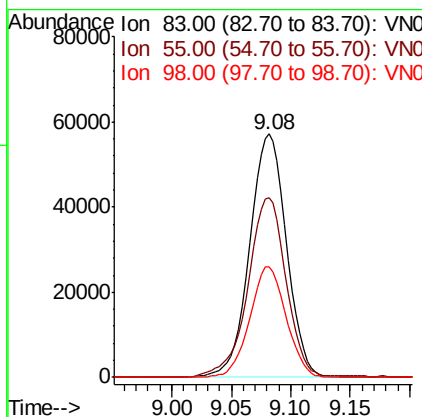
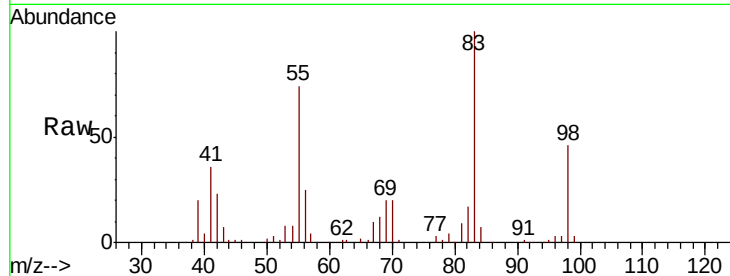
#39
Methylvlcyclohexane
Concen: 9.80 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C

Tot Ion	83	Resp	122264
Ion	Ratio	Lower	Upper
83	100		
55	74.0	58.4	87.6
98	45.5	37.3	55.9

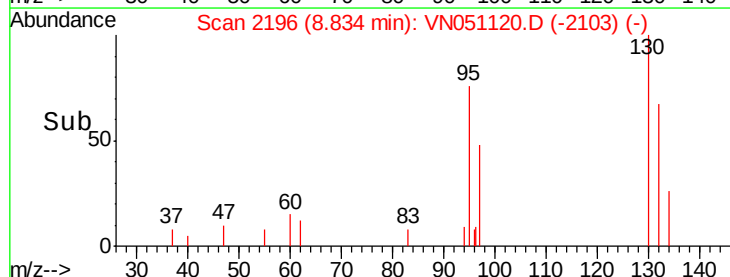
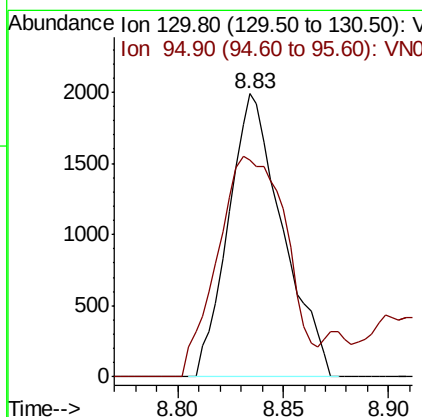
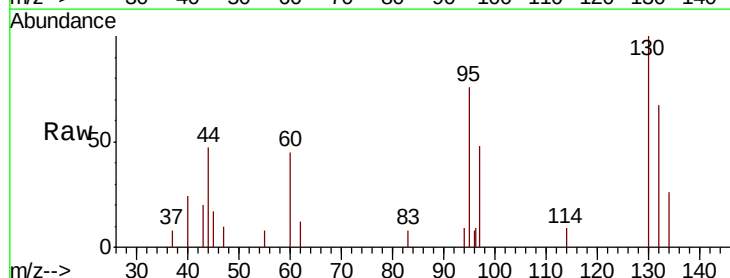
Manual Integrations
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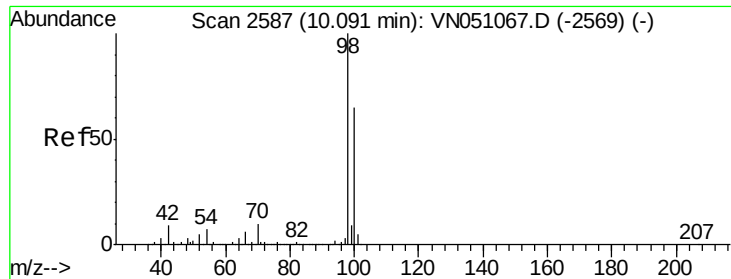
MMDadoda
9/12/2018 10:06:56 AM



#44
Trichloroethene
Concen: 0.38 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion	130	Resp	3531
Ion	Ratio	Lower	Upper
130	100		
95	65.9	0.0	186.2





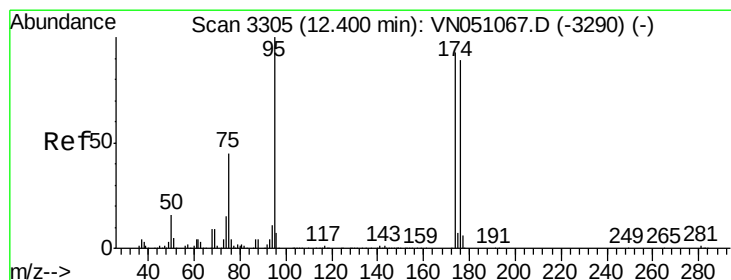
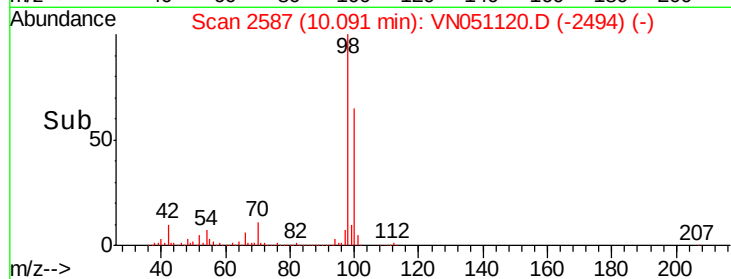
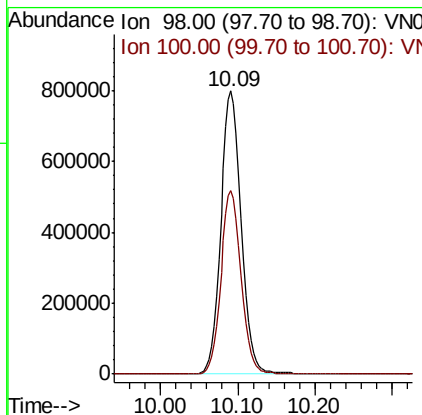
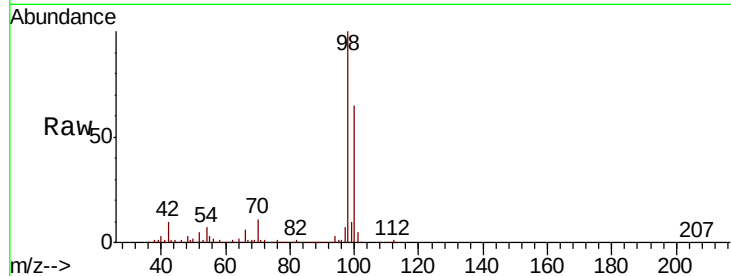
#50
Toluene-d8
Concen: 49.91 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C

Tot Ion: 98 Resp: 1465839
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0

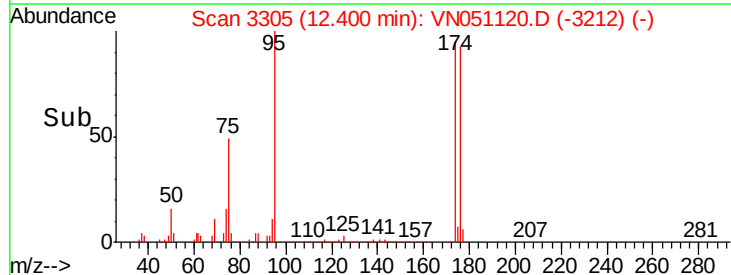
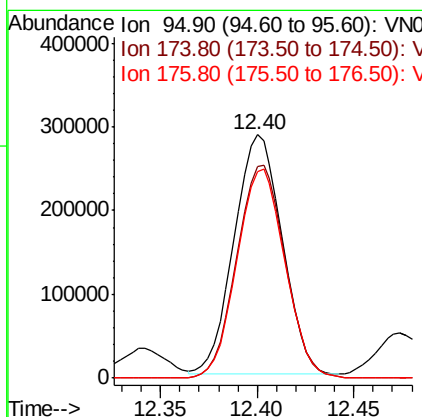
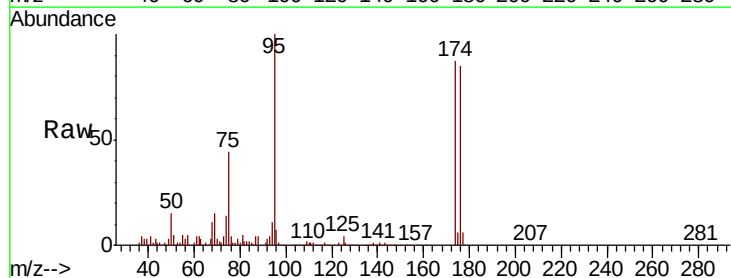
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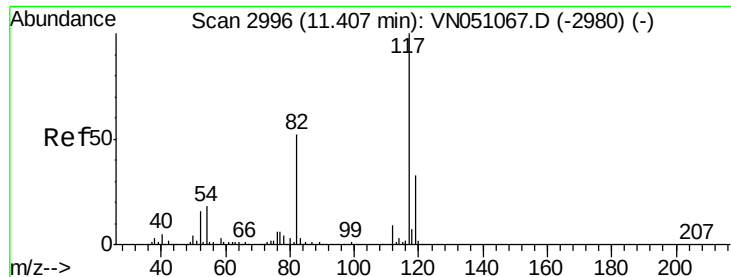
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 51.06 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion: 95 Resp: 496109
Ion Ratio Lower Upper
95 100
174 89.5 0.0 184.8
176 87.2 0.0 178.6





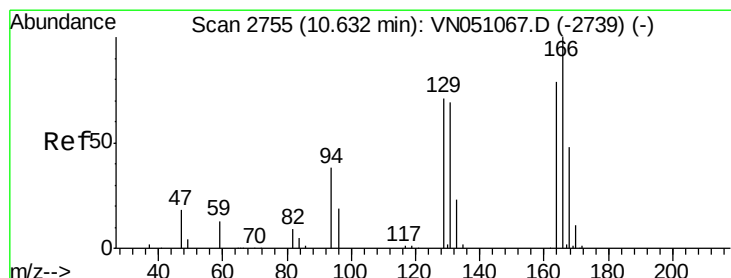
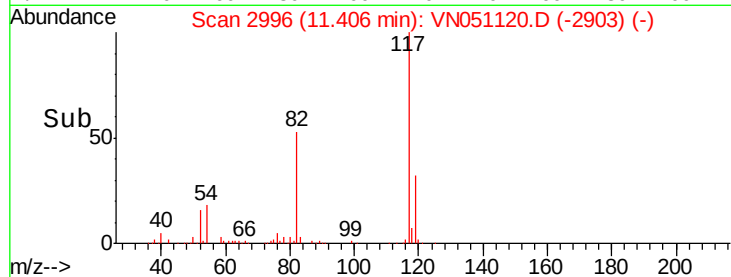
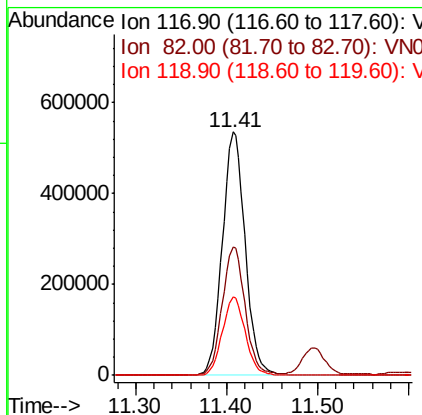
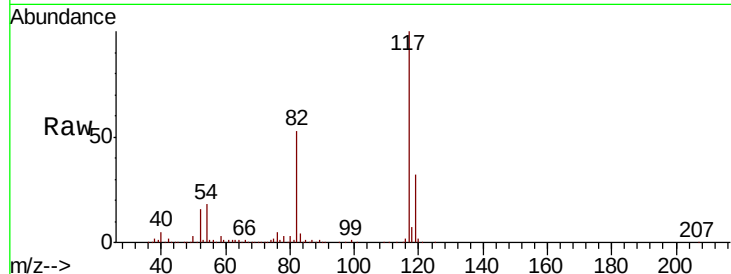
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C

Tot Ion	Ratio	Resp	Lower	Upper
117	100	933805		
82	52.5		41.8	62.6
119	32.1		26.2	39.2

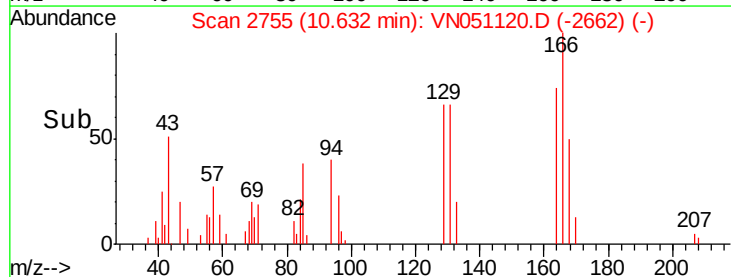
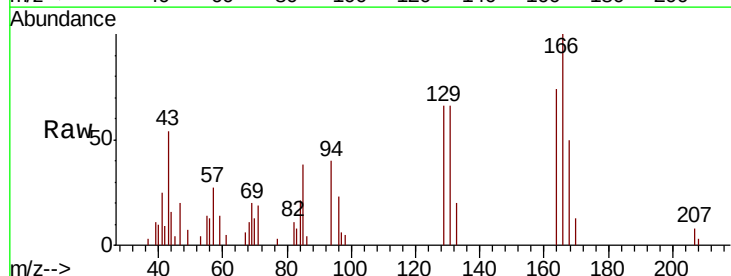
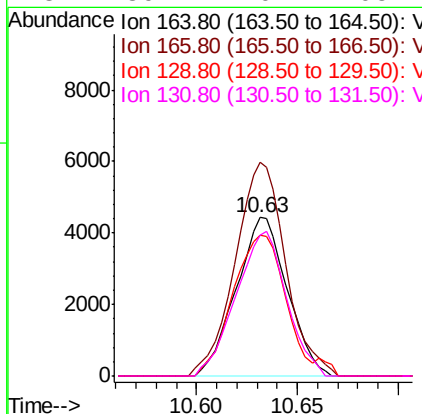
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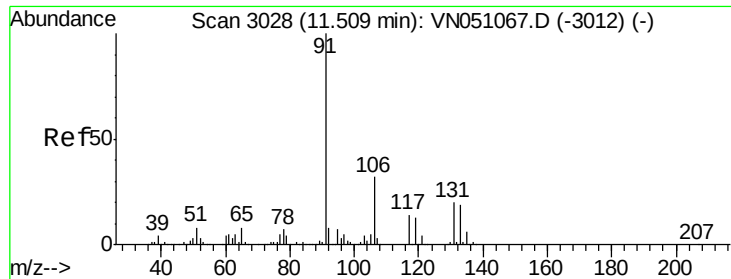
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#64
Tetrachloroethene
Concen: 0.92 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	7845		
166	134.7		101.3	151.9
129	89.2		72.2	108.2
131	89.2		70.2	105.2





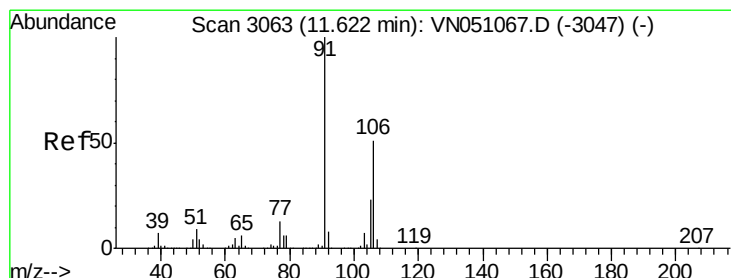
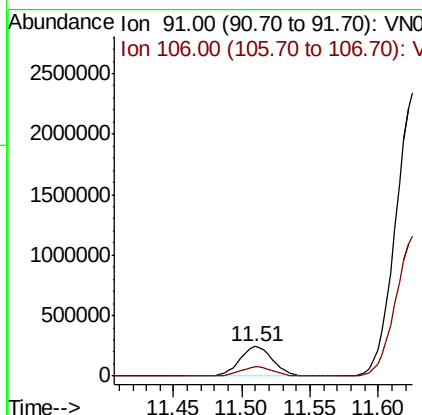
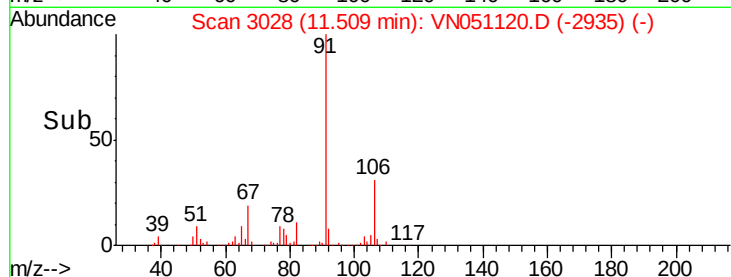
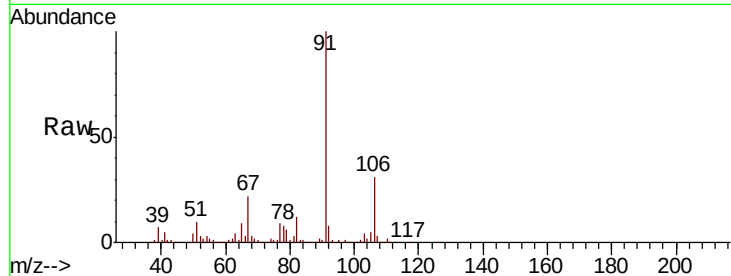
#67
Ethyl Benzene
Concen: 10.79 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampled :
EP1-MW-C

Tot Ion: 91 Resp: 411372
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2

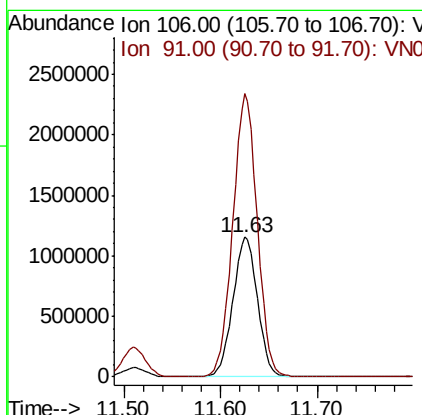
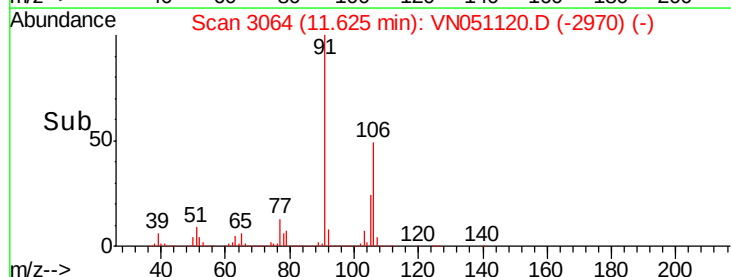
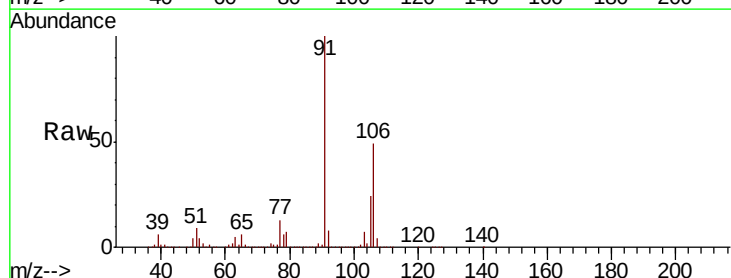
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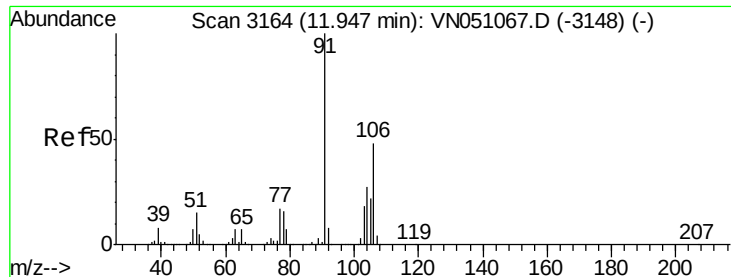
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#68
m/p-Xylenes
Concen: 139.01 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion: 106 Resp: 2035975
Ion Ratio Lower Upper
106 100
91 201.3 159.8 239.6





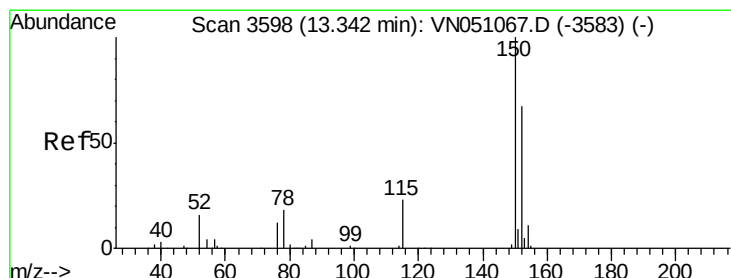
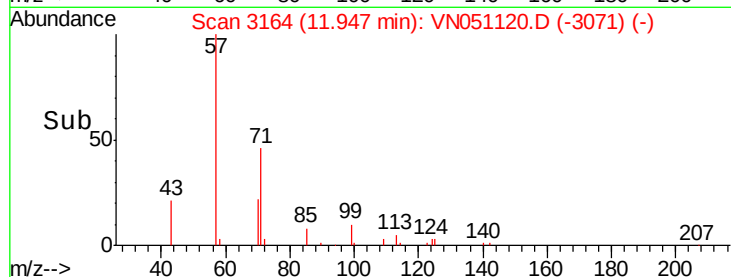
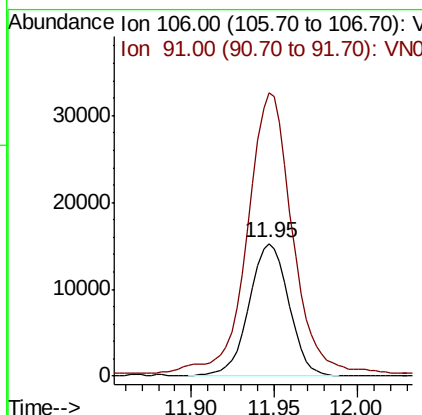
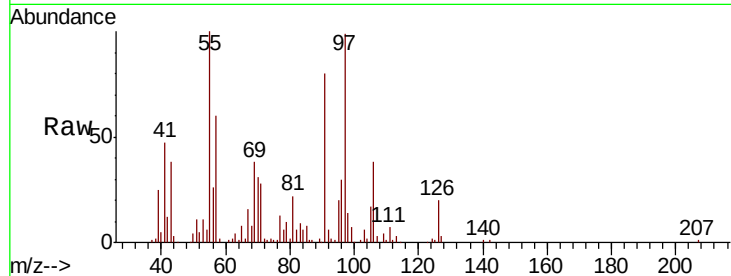
#69
o-Xylene
Concen: 1.79 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampled :
EP1-MW-C

Tot Ion:106 Resp: 25454
Ion Ratio Lower Upper
106 100
91 240.0 105.1 315.1

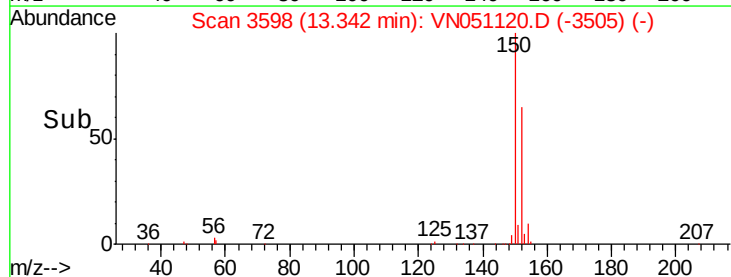
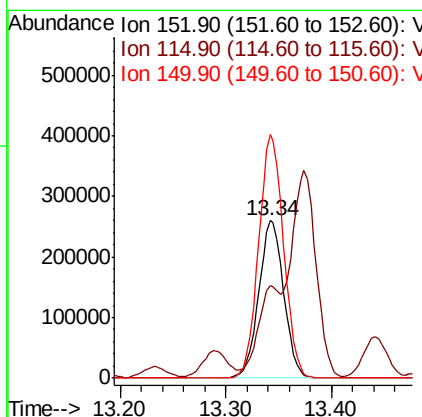
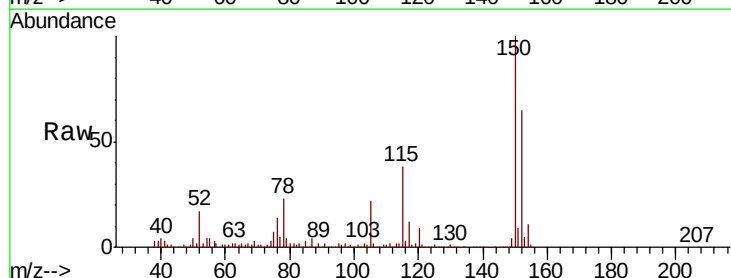
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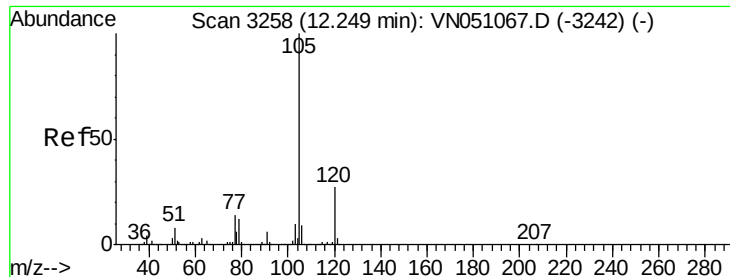
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion:152 Resp: 428966
Ion Ratio Lower Upper
152 100
115 44.6 28.2 84.7
150 154.2 0.0 349.0





#73

Isopropylbenzene

Concen: 228.36 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-C

Tot Ion:105 Resp: 8215253

Ion Ratio Lower Upper

105 100

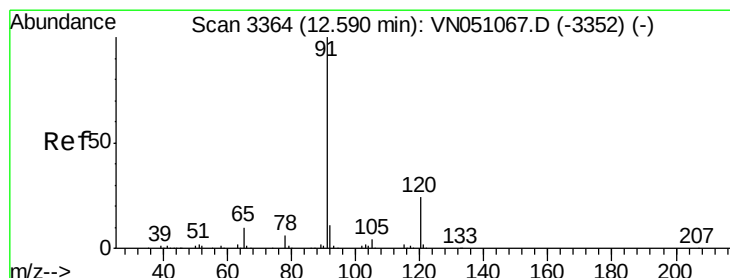
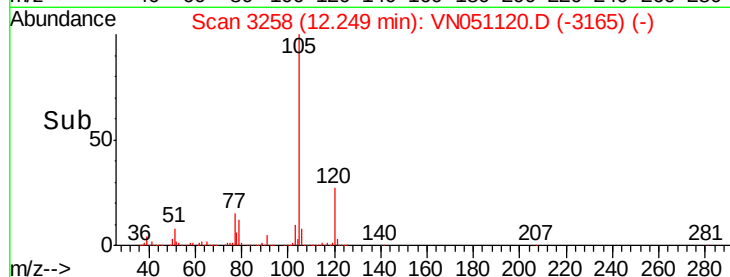
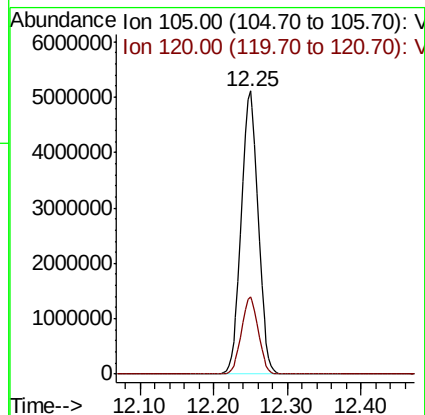
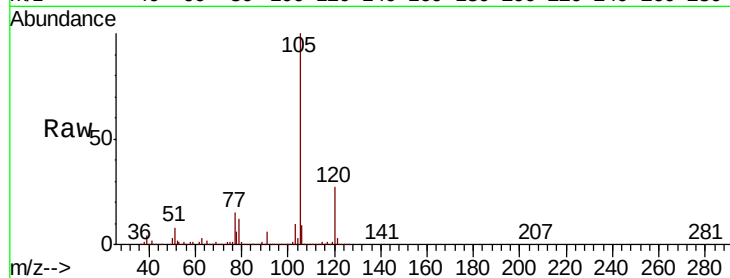
120 27.2 13.6 40.7

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#78

n-propylbenzene

Concen: 398.08 ug/l m

RT: 12.58 min Scan# 3362

Delta R.T. -0.01 min

Lab File: VN051120.D

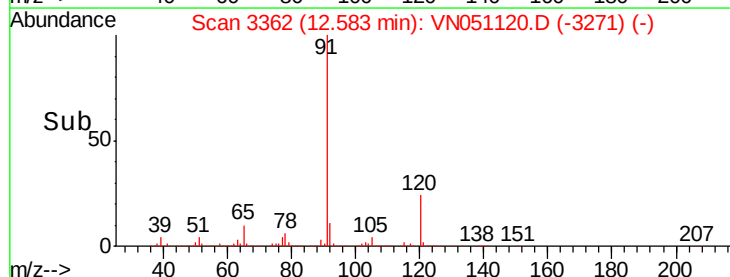
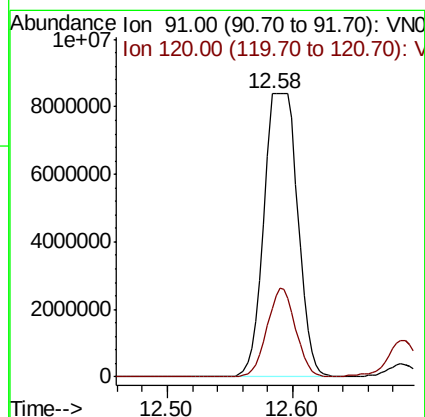
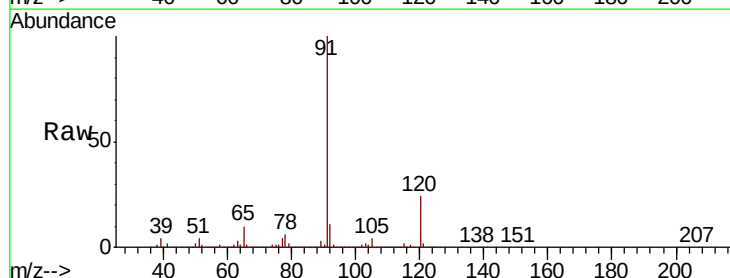
Acq: 11 Sep 2018 12:19

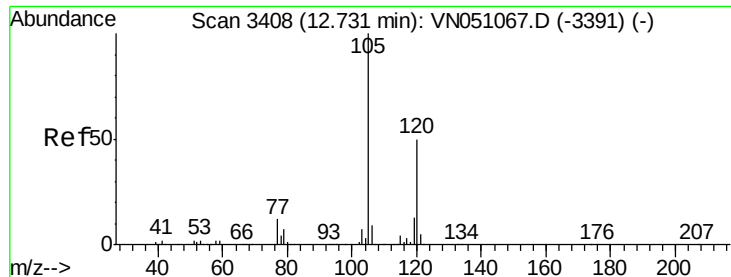
Tgt Ion: 91 Resp:15740697

Ion Ratio Lower Upper

91 100

120 11.7 12.0 36.0#





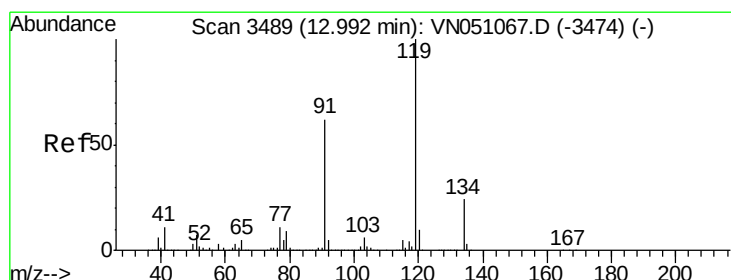
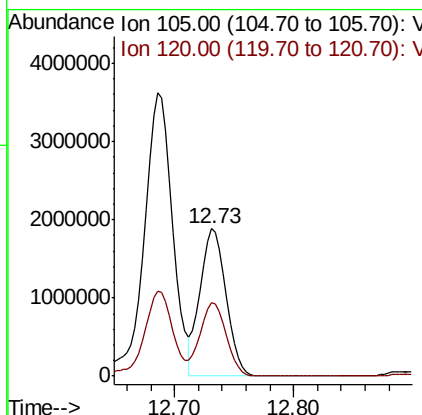
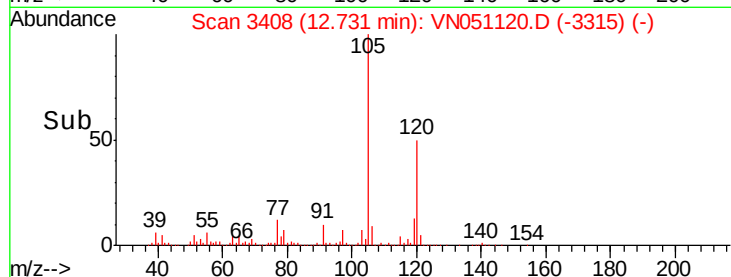
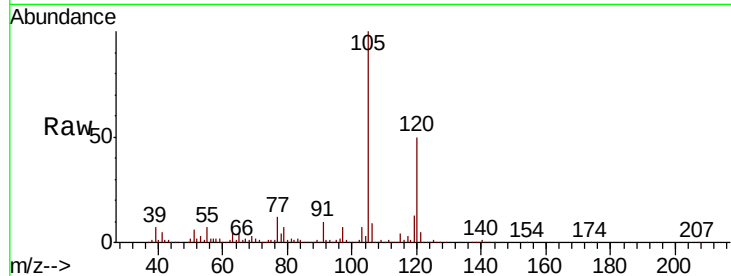
#80
 1,3,5-Trimethylbenzene
 Concen: 98.08 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-C

Tot Ion:105 Resp: 2852492
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.6

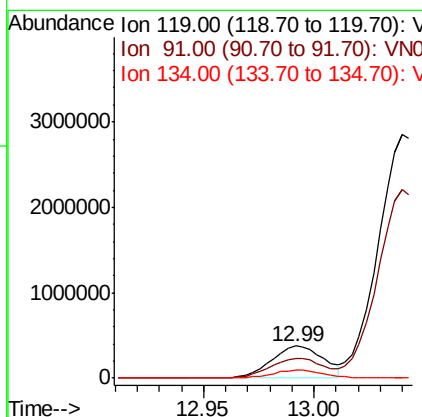
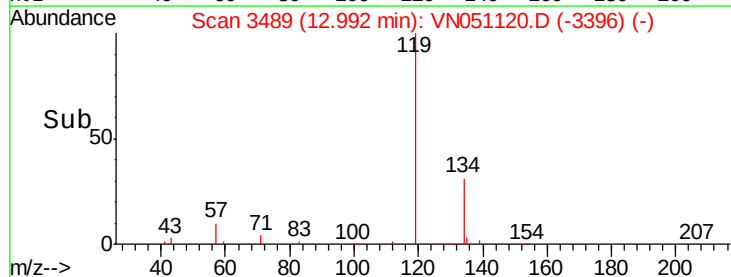
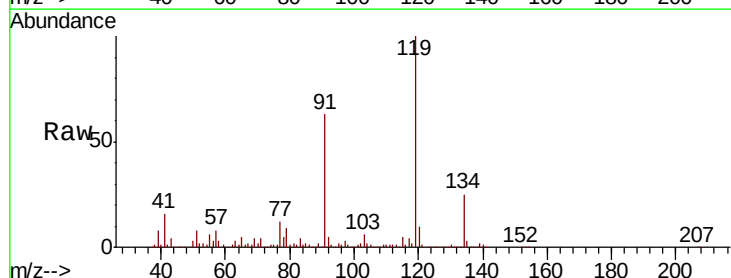
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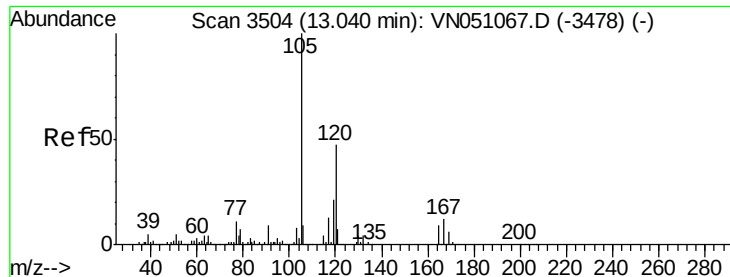
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#83
 tert-Butylbenzene
 Concen: 23.82 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

Tgt Ion:119 Resp: 611552
 Ion Ratio Lower Upper
 119 100
 91 64.5 30.8 92.3
 134 25.1 13.2 39.6





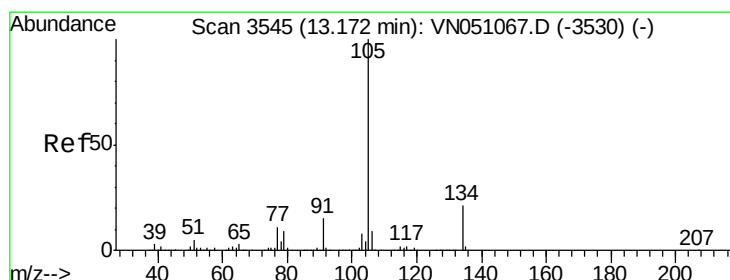
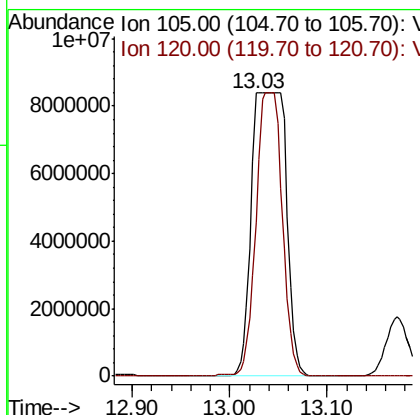
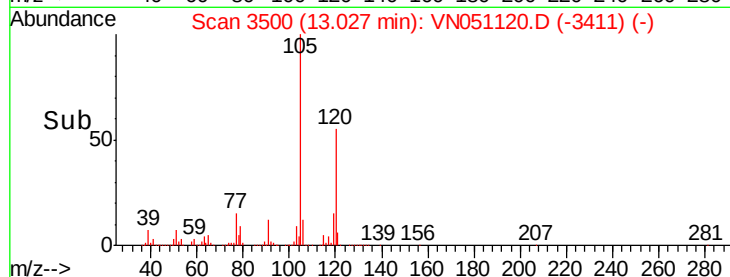
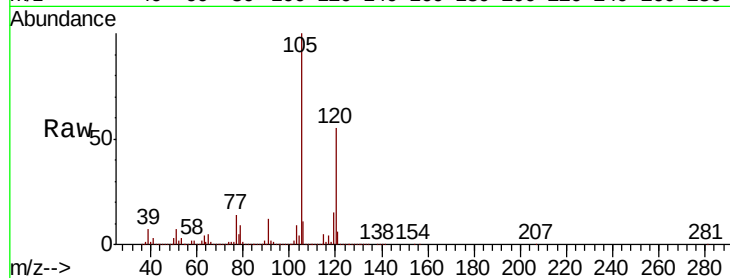
#84
1,2,4-Trimethylbenzene
Concen: 720.63 ug/l m
RT: 13.03 min Scan# 3500
Delta R.T. -0.01 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C

Tot Ion:105 Resp:20608293
Ion Ratio Lower Upper
105 100
120 0.0 23.3 69.8#

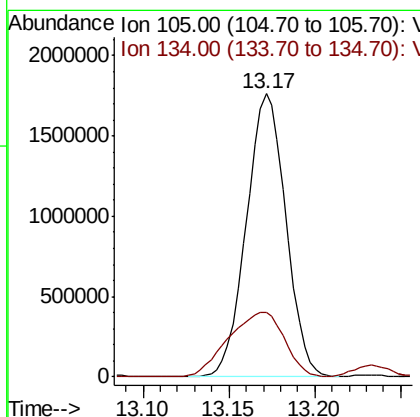
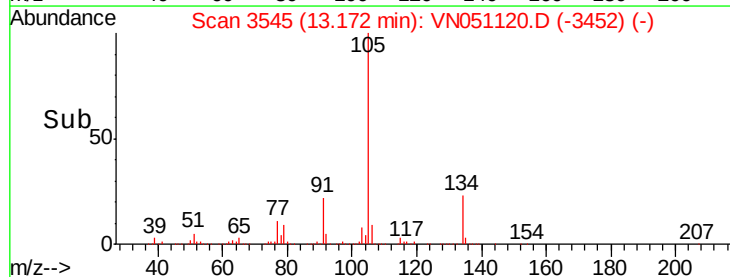
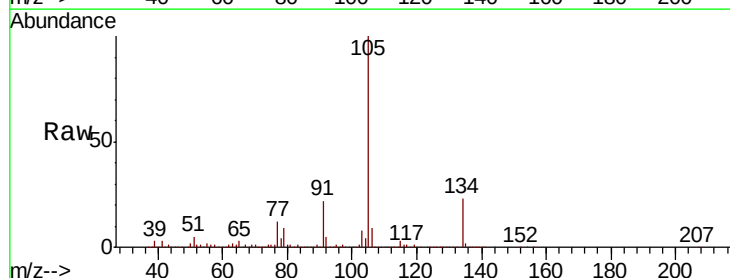
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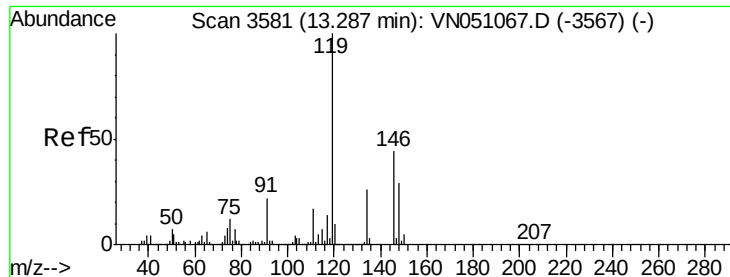
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#85
sec-Butylbenzene
Concen: 84.67 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion:105 Resp: 2788052
Ion Ratio Lower Upper
105 100
134 32.7 10.4 31.4#





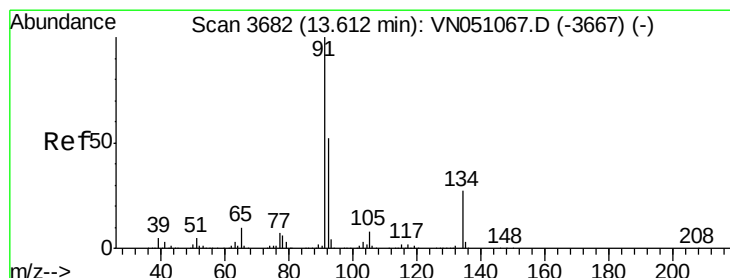
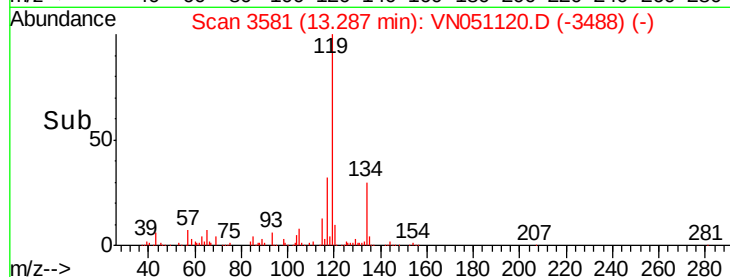
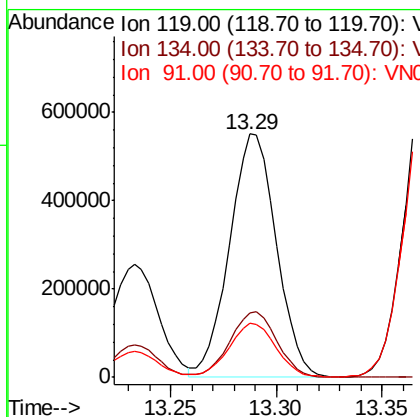
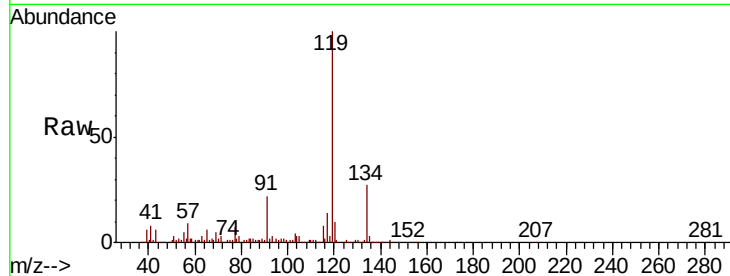
#86
 p-Isopropyltoluene
 Concen: 30.40 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-C

Tot Ion:	119	Resp:	848786
Ion Ratio	Lower	Upper	
119	100		
134	26.9	13.5	40.4
91	21.5	10.9	32.9

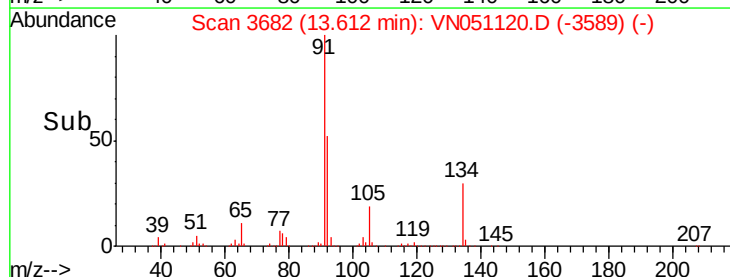
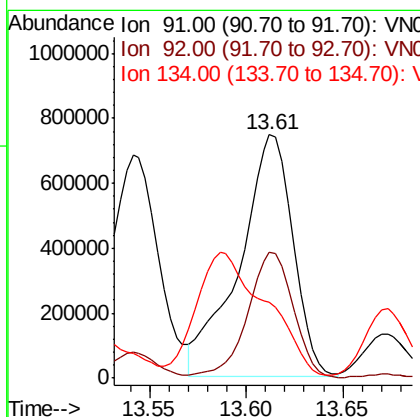
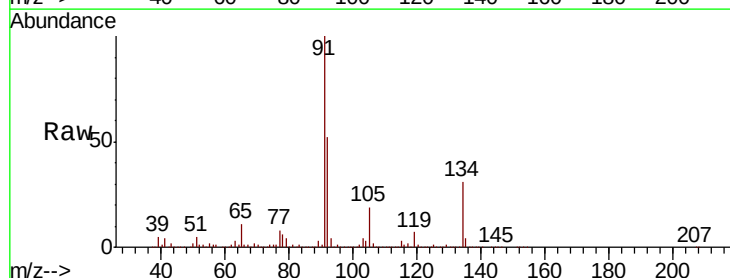
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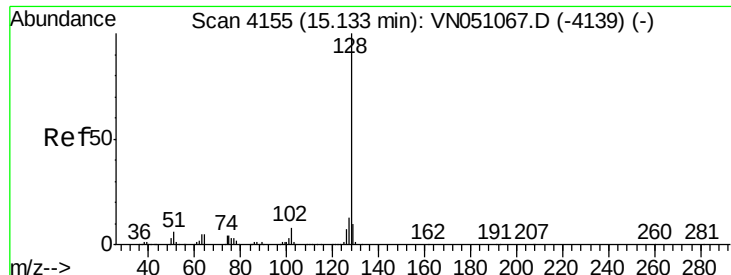
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#89
 n-Butylbenzene
 Concen: 66.39 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

Tgt Ion:	91	Resp:	1442611
Ion Ratio	Lower	Upper	
91	100		
92	43.7	26.2	78.6
134	0.0	13.7	41.1#





#95
Naphthalene
Concen: 17.45 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.5	10.6	15.8
129	10.7	8.6	12.8

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