

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051125.D
 Acq On : 11 Sep 2018 14:23
 Operator : MD\SY
 Sample : J4849-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-FD

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 10:07:07 AM

Quant Time: Sep 12 03:33:40 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	699006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1042058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	942629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	444563	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	389428	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	7.59	113	383917	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	10.09	98	1476472	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	502789	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	

Target Compounds				Qvalue		
3) Chloromethane	2.06	50	7397	0.31	ug/l	99
11) Tert butyl alcohol	4.80	59	13338	22.45	ug/l #	88
16) Acetone	3.83	43	13674	1.30	ug/l	98
17) Carbon Disulfide	4.05	76	8482	0.50	ug/l	97
25) 2-Butanone	6.85	43	9742	3.19	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	2305	0.26	ug/l	59
30) Chloroform	7.37	83	10779	0.76	ug/l	100
31) Cyclohexane	7.66	56	53337	3.97	ug/l #	71
39) Methylcyclohexane	9.08	83	115961	9.19	ug/l	96
44) Trichloroethene	8.83	130	3219	0.34	ug/l	80
64) Tetrachloroethene	10.63	164	8144	0.95	ug/l	90
67) Ethyl Benzene	11.51	91	423822	11.01	ug/l	99
68) m/p-Xylenes	11.63	106	2121083	143.46	ug/l	99
69) o-Xylene	11.95	106	26559	1.86	ug/l	91
73) Isopropylbenzene	12.25	105	7954874	213.37	ug/l	100
78) n-propylbenzene	12.59	91	15691510	382.91	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	3072341	101.93	ug/l	100
83) tert-Butylbenzene	12.99	119	600209	22.56	ug/l	97
84) 1,2,4-Trimethylbenzene	13.03	105	21023656m	709.36	ug/l	
85) sec-Butylbenzene	13.17	105	2770671	81.19	ug/l #	76
86) p-Isopropyltoluene	13.29	119	904767	31.27	ug/l	99
89) n-Butylbenzene	13.62	91	1484766	65.93	ug/l #	74
95) Naphthalene	15.13	128	243086	18.33	ug/l	100

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

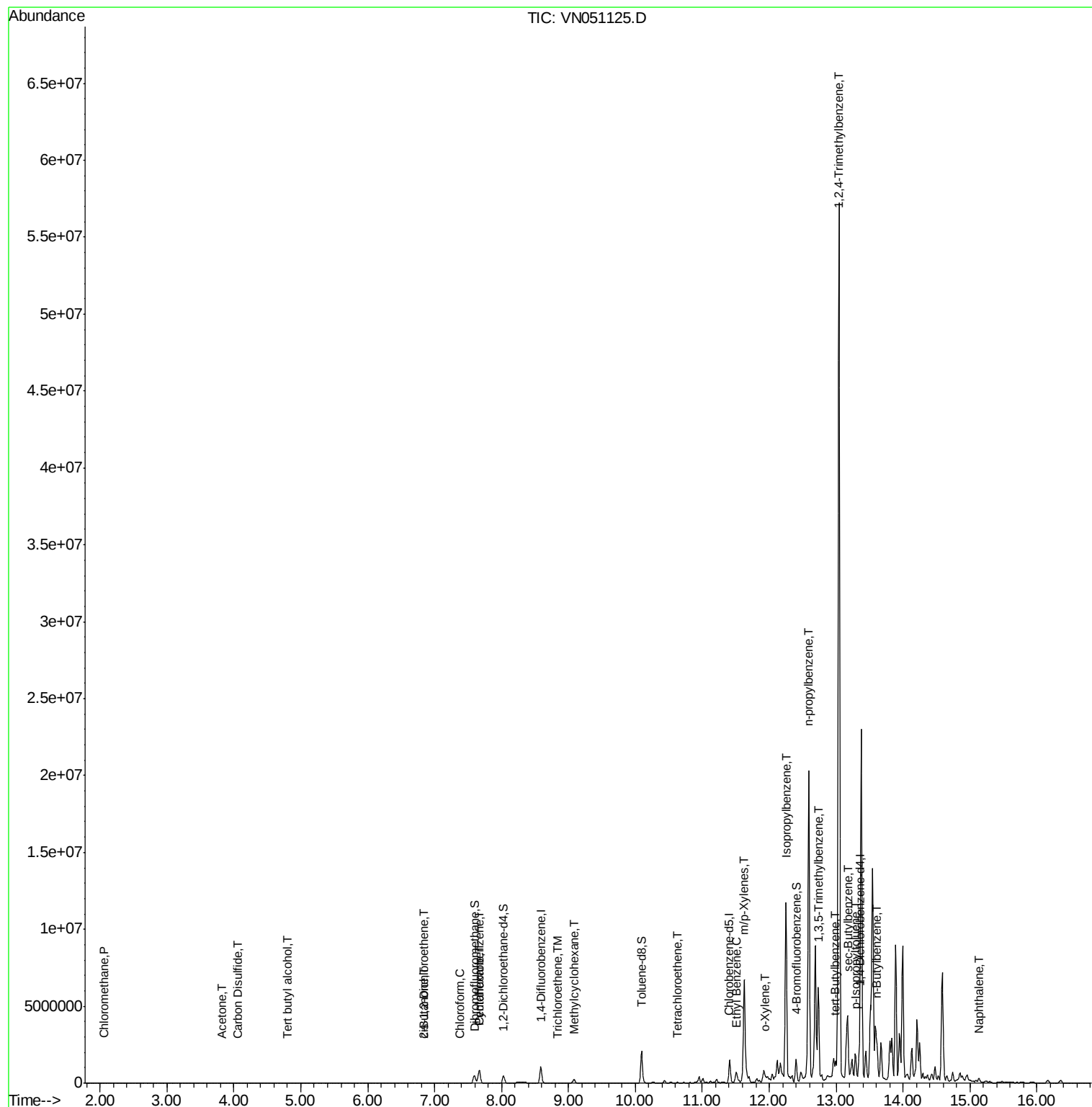
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
Data File : VN051125.D
Acq On : 11 Sep 2018 14:23
Operator : MD\SY
Sample : J4849-11
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

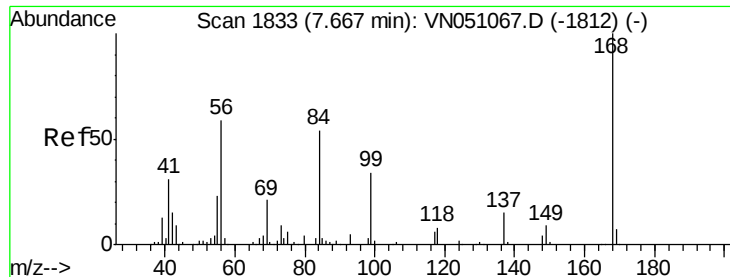
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-FD

Manual Integrations
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9/12/2018 10:07:07 AM

Quant Time: Sep 12 03:33:40 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: VN051125.D

Acq: 11 Sep 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-FD

Tot Ion:168 Resp: 699006

Ion Ratio Lower Upper

168 100

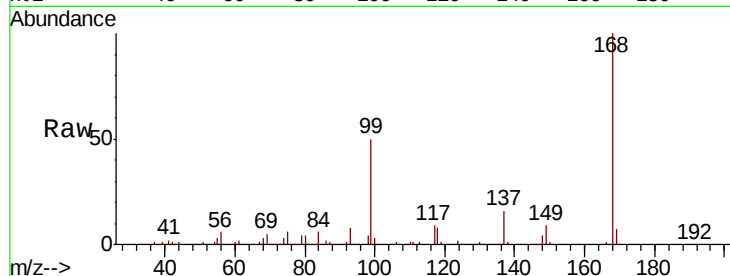
99 50.2 38.3 57.5

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

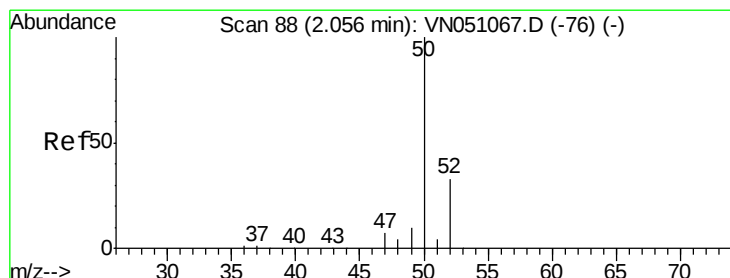
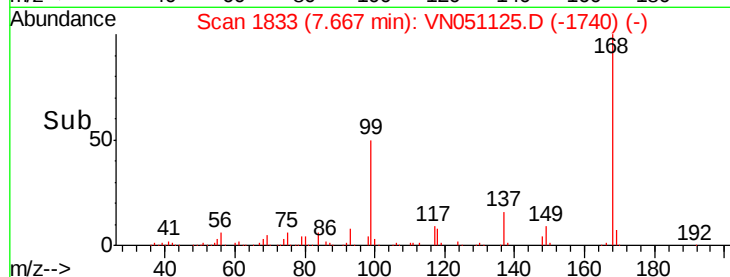
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.31 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051125.D

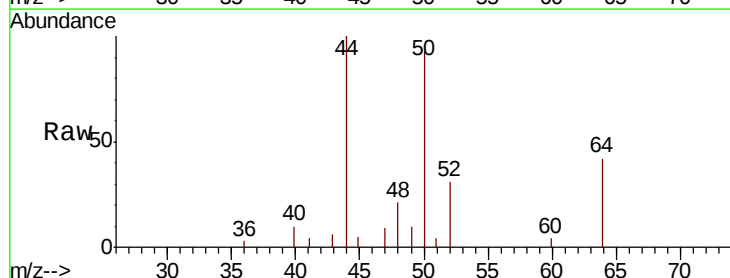
Acq: 11 Sep 2018 14:23

Tgt Ion: 50 Resp: 7397

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

6000

5000

4000

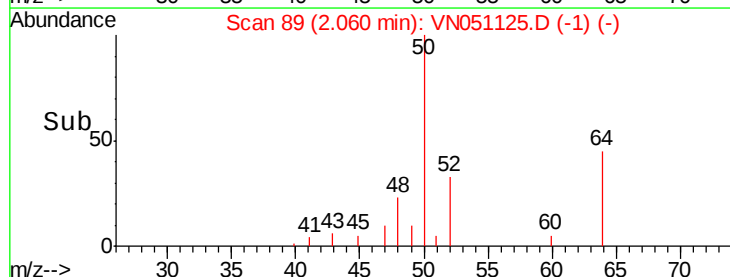
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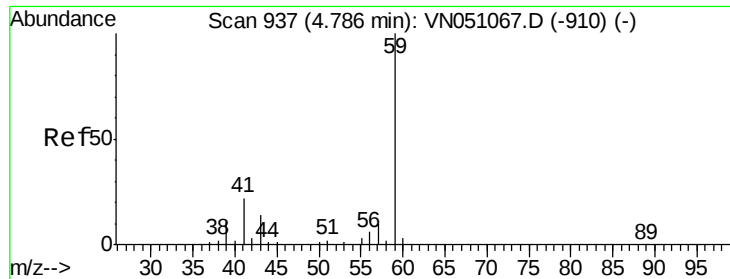
2000

1000

0

Time-->





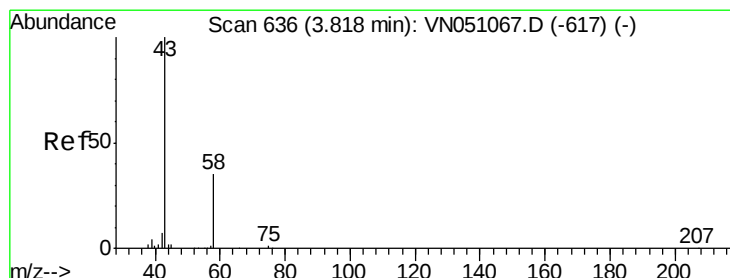
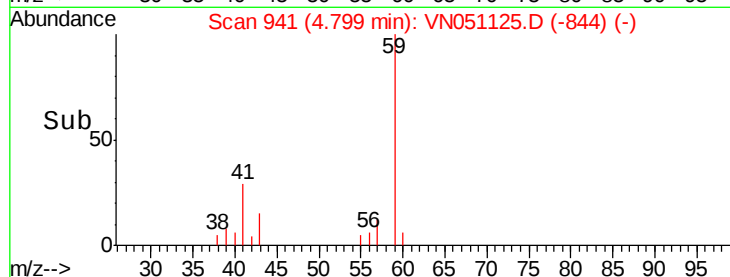
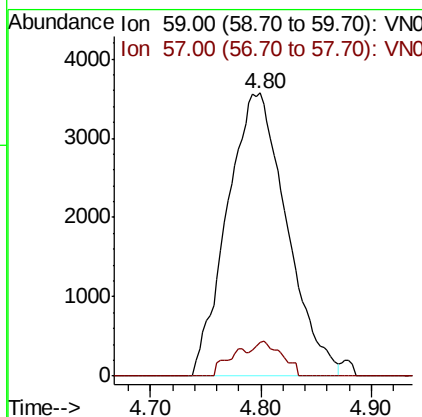
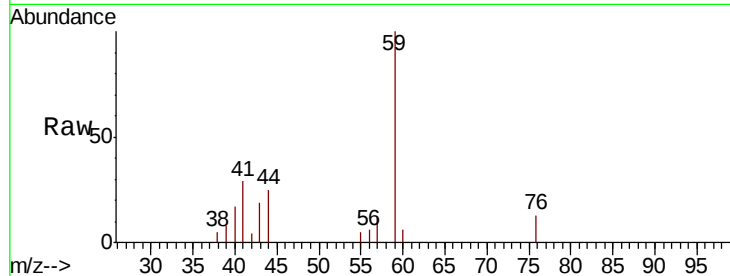
#11
Tert butyl alcohol
Concen: 22.45 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.01 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-FD

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	8.1	12.1#

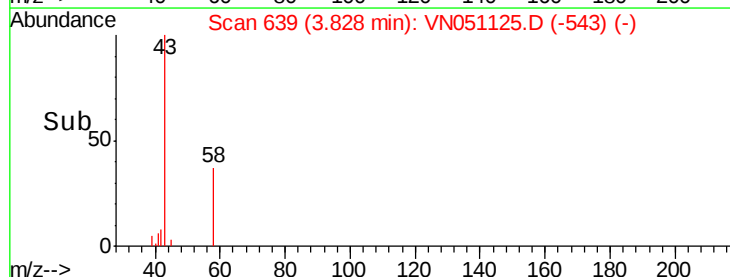
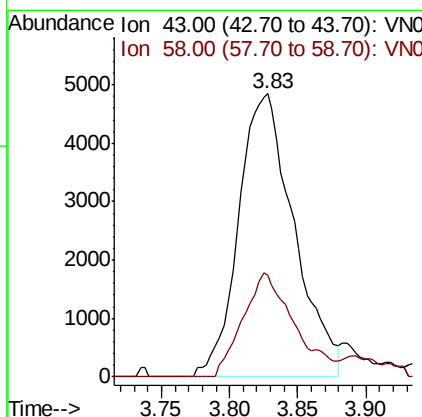
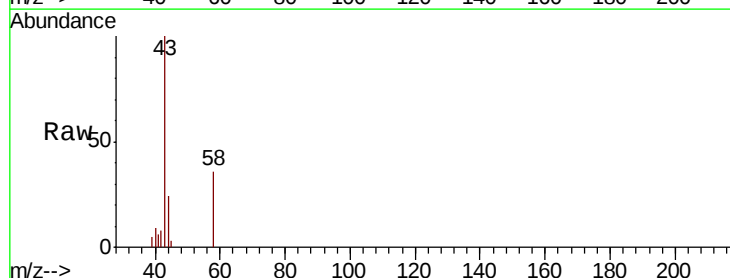
Manual Integrations
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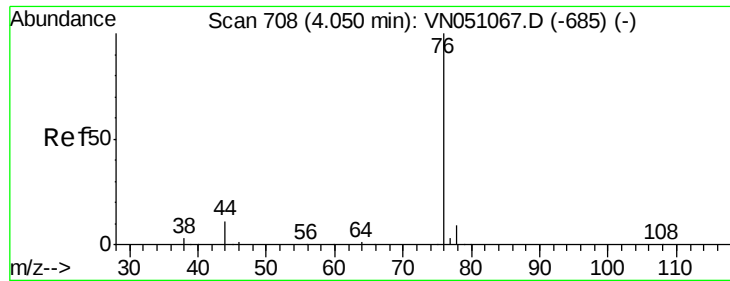
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#16
Acetone
Concen: 1.30 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.9	27.8	41.6





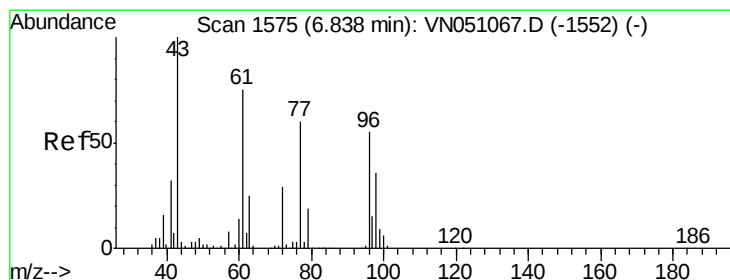
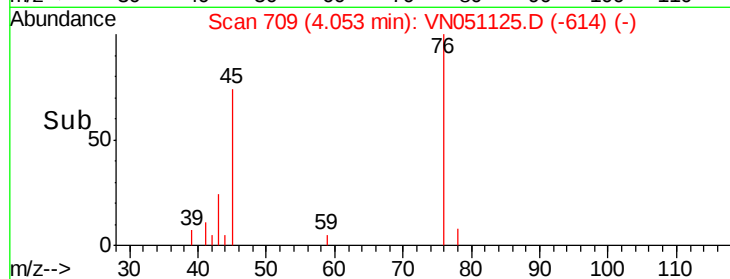
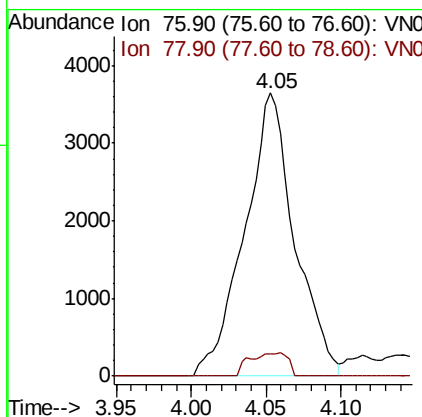
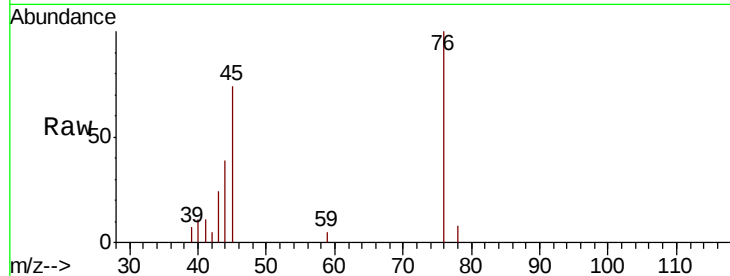
#17
Carbon Disulfide
Concen: 0.50 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-FD

Tot Ion: 76 Resp: 8482
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.6

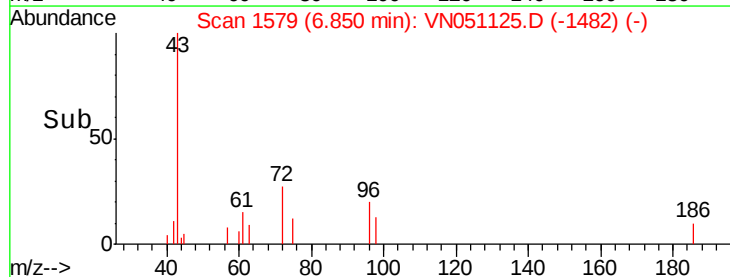
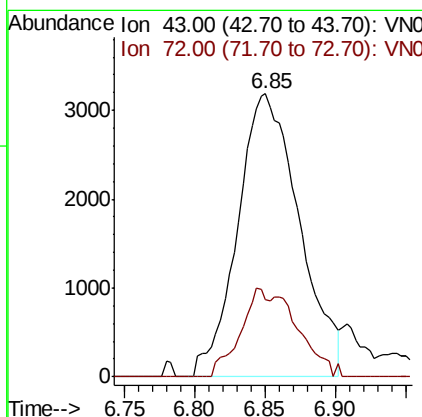
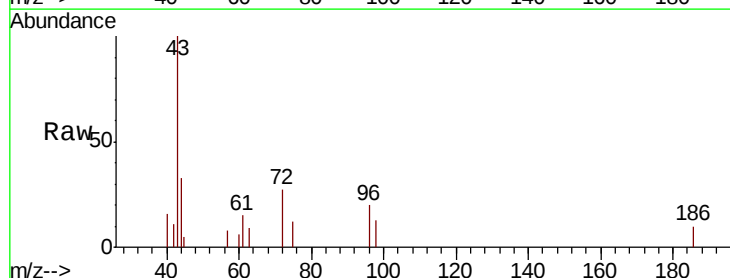
Manual Integrations
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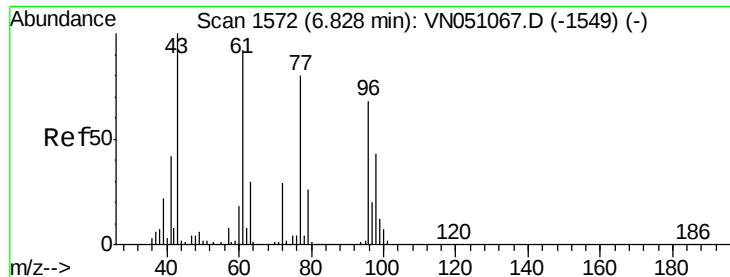
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#25
2-Butanone
Concen: 3.19 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Tgt Ion: 43 Resp: 9742
Ion Ratio Lower Upper
43 100
72 27.3 23.0 34.6





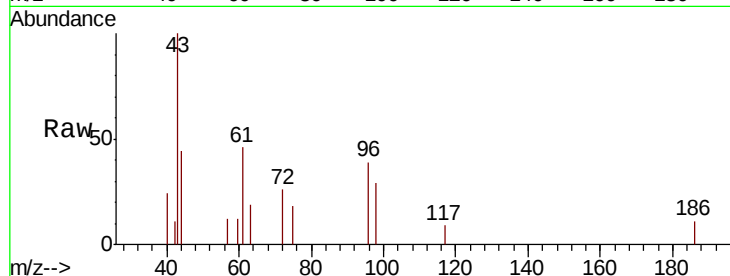
#27
 cis-1,2-Dichloroethene
 Concen: 0.26 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VN051125.D
 Acq: 11 Sep 2018 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-FD

Tot Ion	Ratio	Lower	Upper
96	100		
61	70.6	0.0	278.2
98	71.4	0.0	129.4

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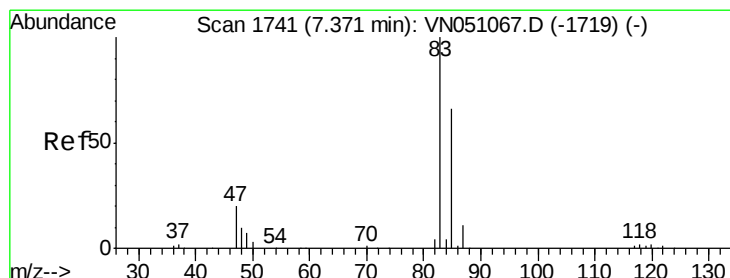
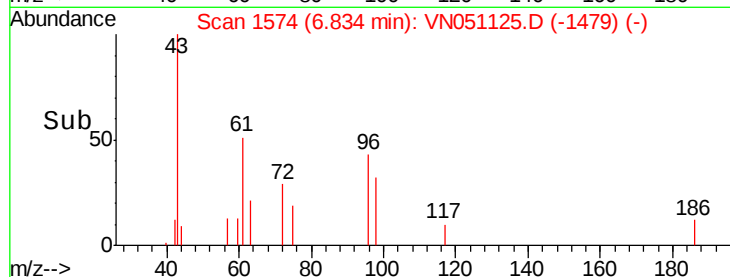
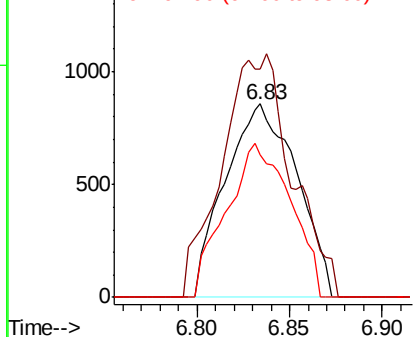


Abundance

Ion 95.90 (95.60 to 96.60): VNO

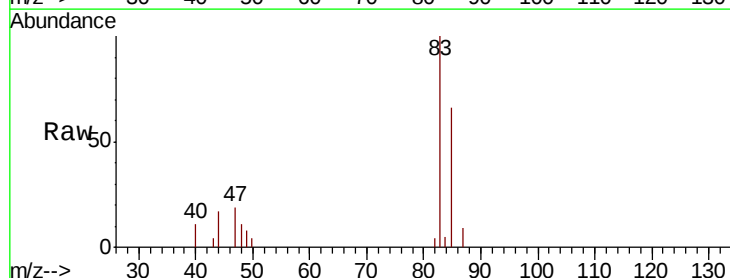
Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#30
 Chloroform
 Concen: 0.76 ug/l
 RT: 7.37 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VN051125.D
 Acq: 11 Sep 2018 14:23

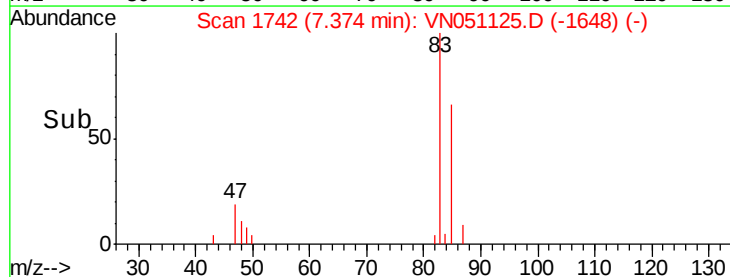
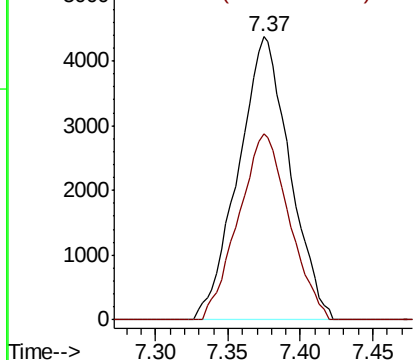
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	79.0

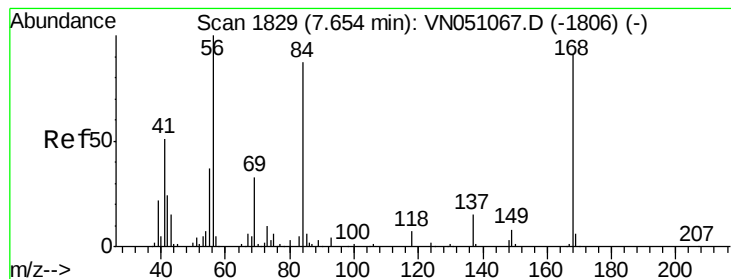


Abundance

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO





#31

Cyclohexane

Concen: 3.97 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN051125.D

Acq: 11 Sep 2018 14:23

Instrument :

MSVOA_N

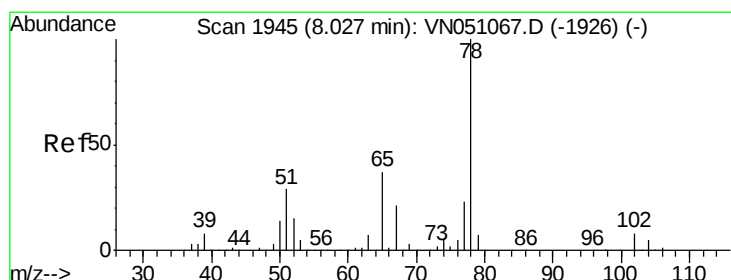
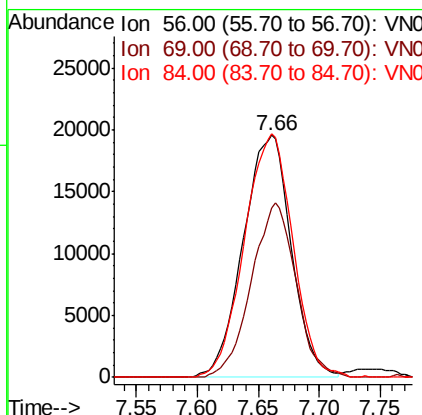
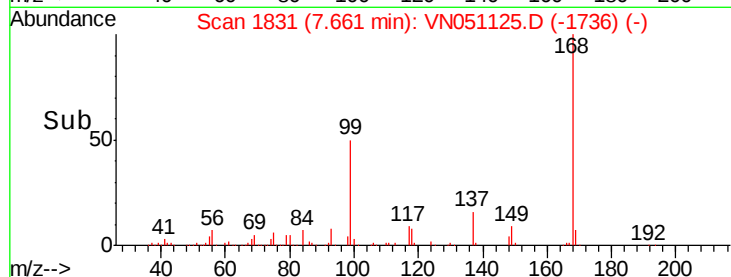
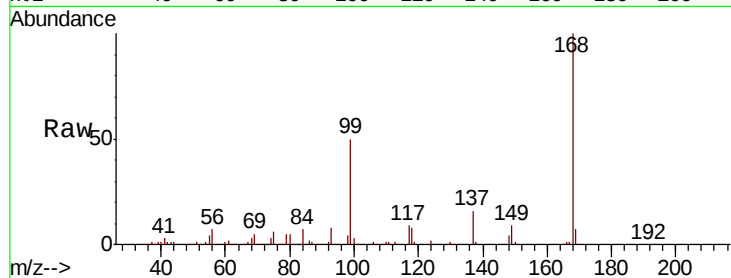
ClientSampleID :

EP1-MW-FD

Tot Ion	56	69	84	Resp	53337	Lower	Upper
Ion Ratio	100	69.9	100.6				
		26.3	69.4				
			104.0				

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 50.06 ug/l

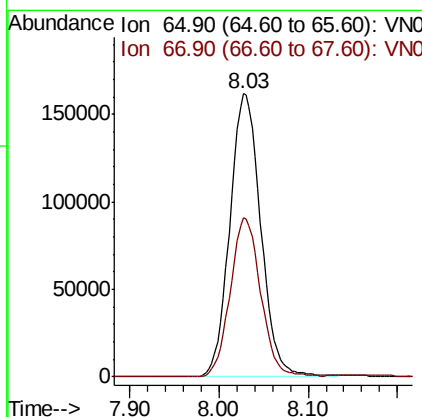
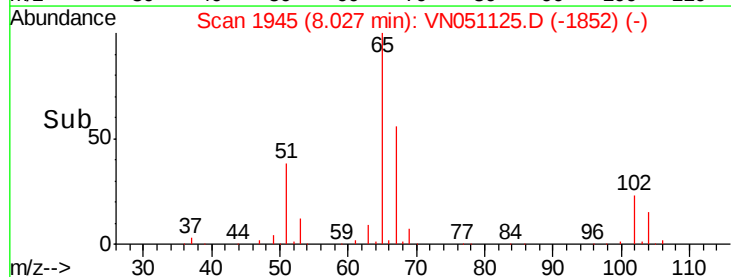
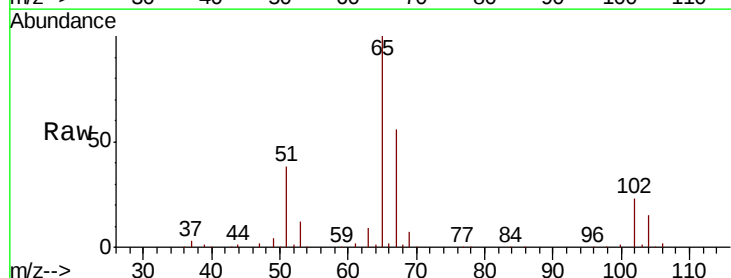
RT: 8.03 min Scan# 1945

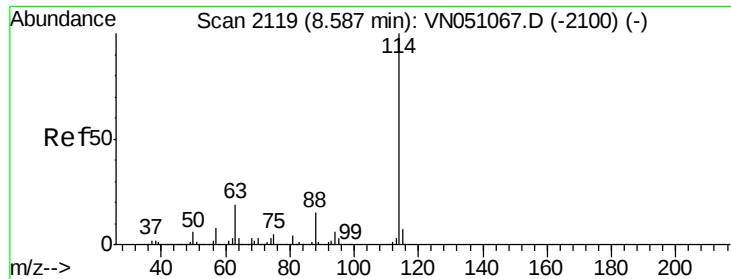
Delta R.T. -0.00 min

Lab File: VN051125.D

Acq: 11 Sep 2018 14:23

Tgt Ion	65	67	Resp	389428	Lower	Upper
Ion Ratio	100	55.5				
		0.0				
		112.0				





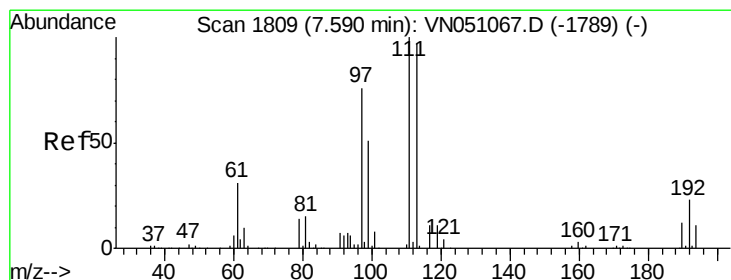
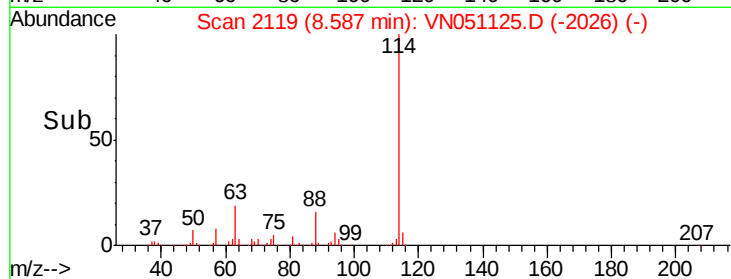
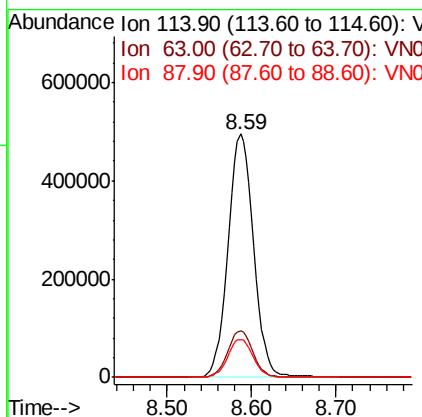
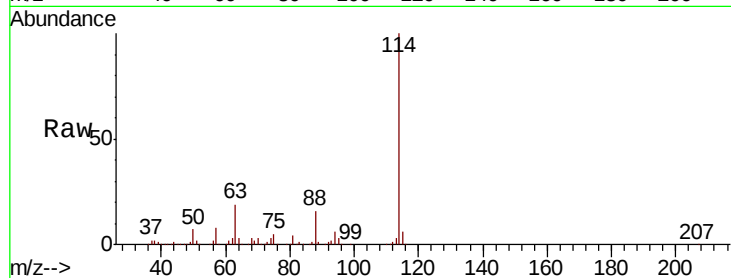
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051125.D
 Acq: 11 Sep 2018 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-FD

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	37.8
88	15.6	0.0	30.8

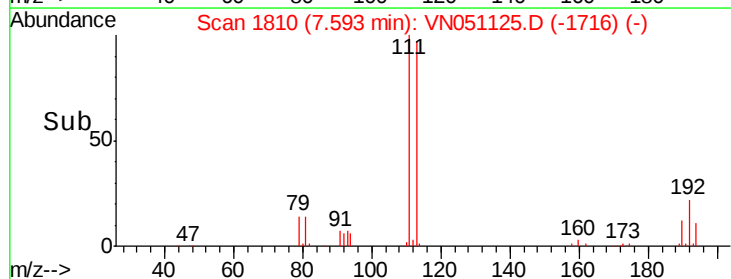
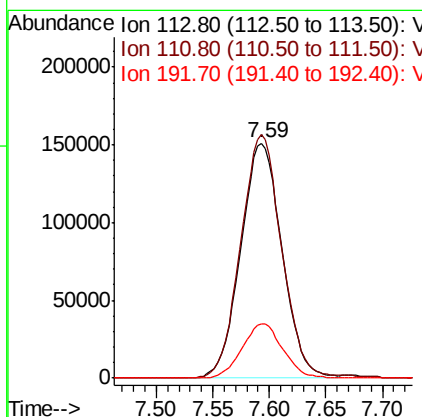
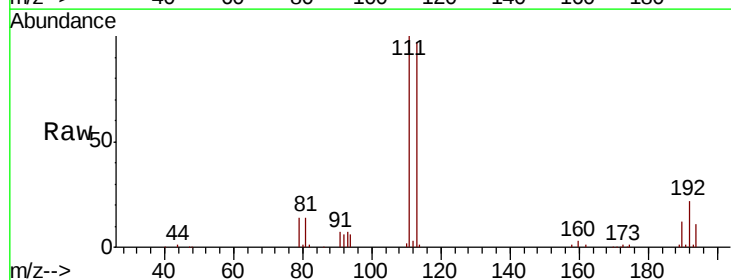
Manual Integrations
 APPROVED

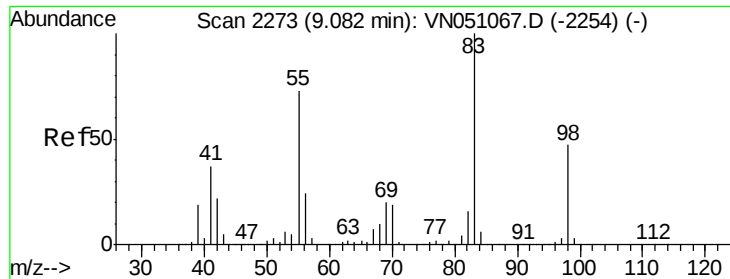
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 9/12/2018 10:07:07 AM



#35
 Dibromofluoromethane
 Concen: 49.03 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051125.D
 Acq: 11 Sep 2018 14:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.0	124.6
192	23.0	18.7	28.1





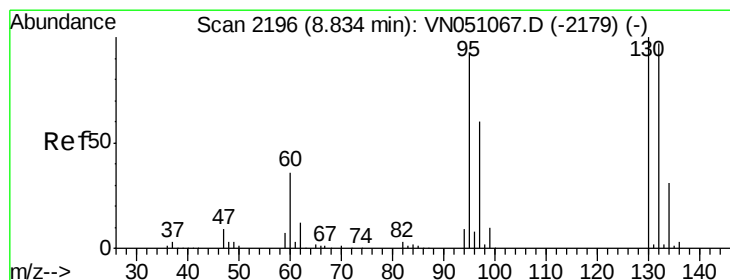
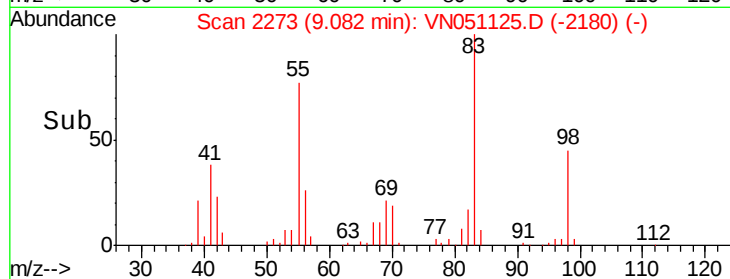
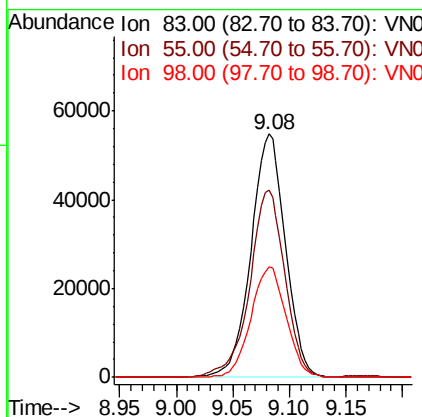
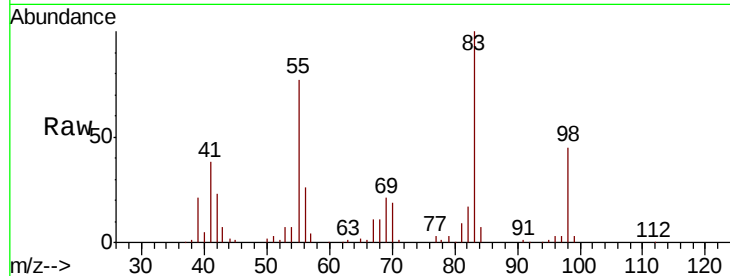
#39
Methvlcvclohexane
Concen: 9.19 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-FD

Tot Ion	83	Resp	115961
Ion Ratio	100	Lower	Upper
83	100		
55	77.2	58.4	87.6
98	45.2	37.3	55.9

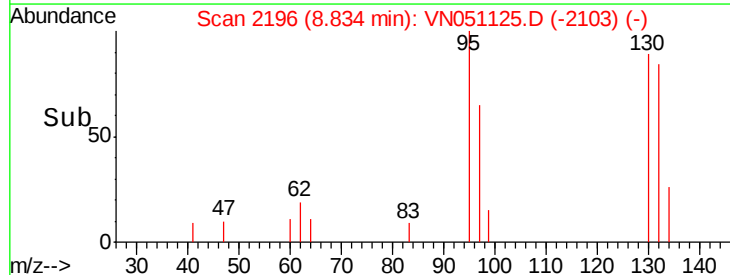
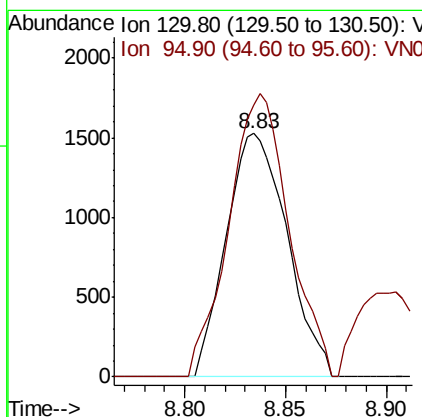
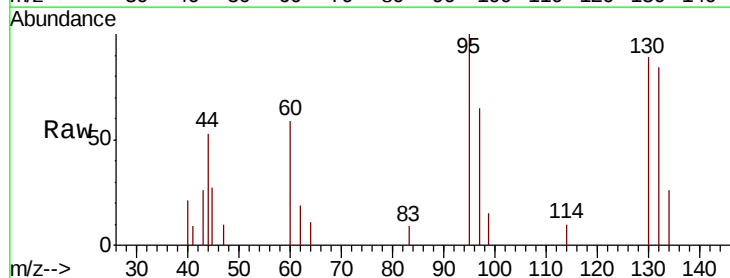
Manual Integrations
APPROVED

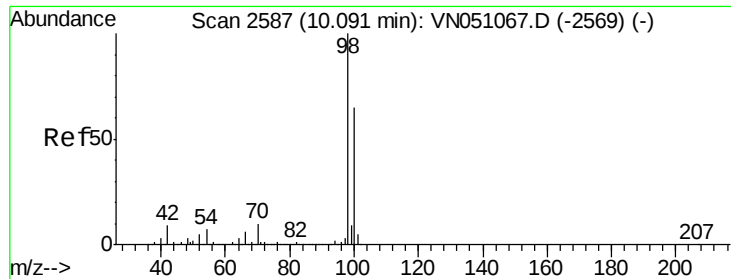
MMDadoda
9/12/2018 10:07:07 AM



#44
Trichloroethene
Concen: 0.34 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Tgt Ion	130	Resp	3219
Ion Ratio	100	Lower	Upper
130	100		
95	111.9	0.0	186.2





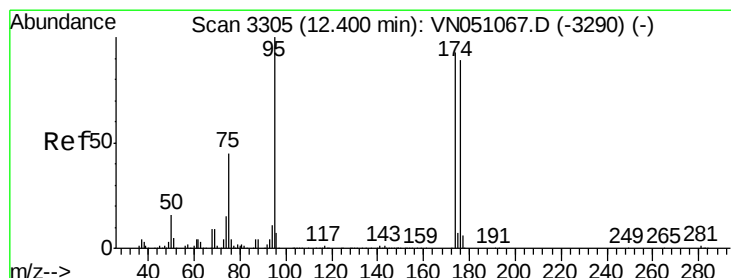
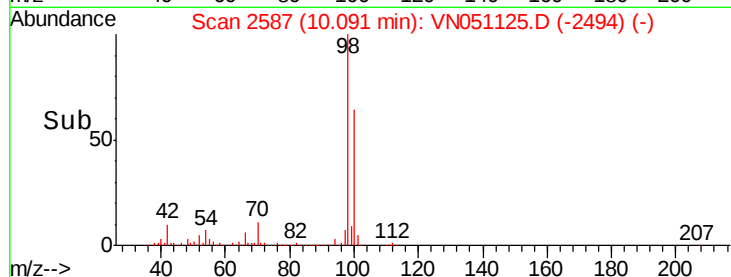
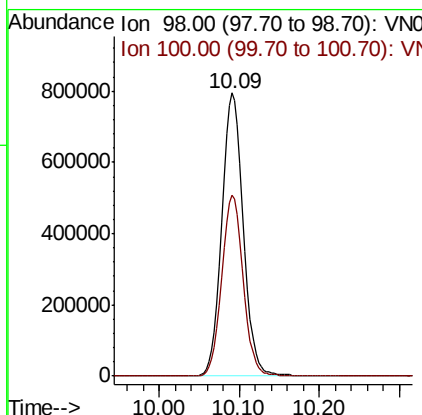
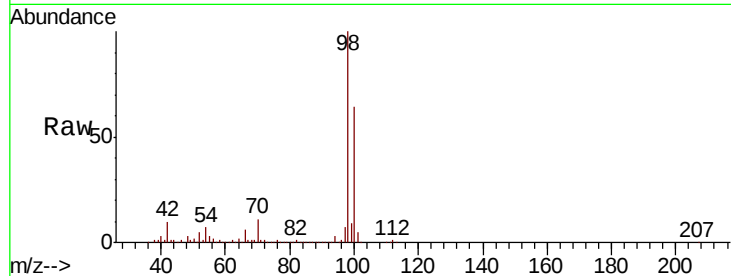
#50
Toluene-d8
Concen: 49.69 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-FD

Tot Ion: 98 Resp: 1476472
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0

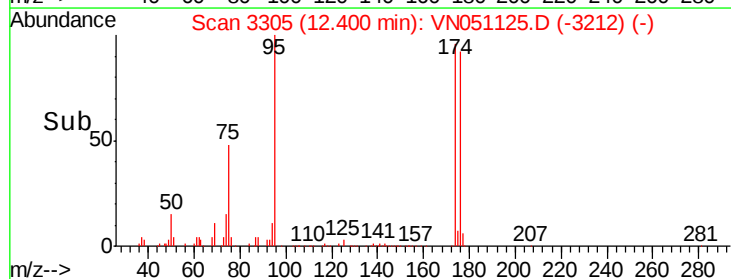
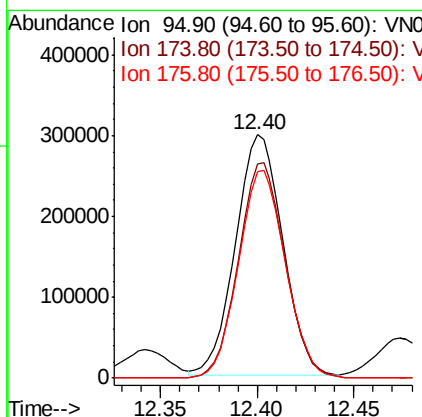
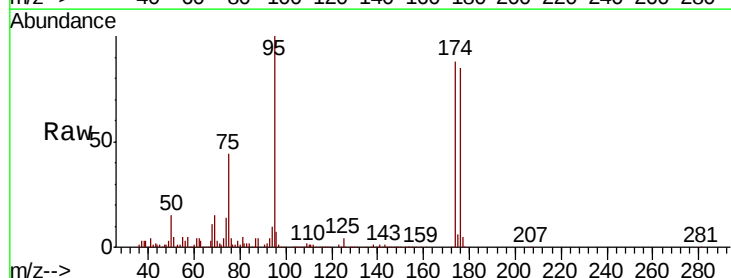
Manual Integrations
APPROVED

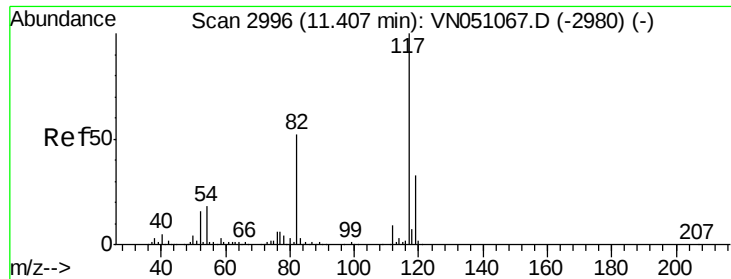
MMDadoda
9/12/2018 10:07:07 AM



#62
4-Bromofluorobenzene
Concen: 51.16 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Tgt Ion: 95 Resp: 502789
Ion Ratio Lower Upper
95 100
174 89.2 0.0 184.8
176 86.6 0.0 178.6





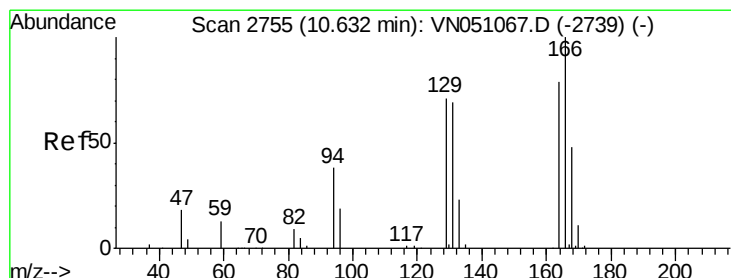
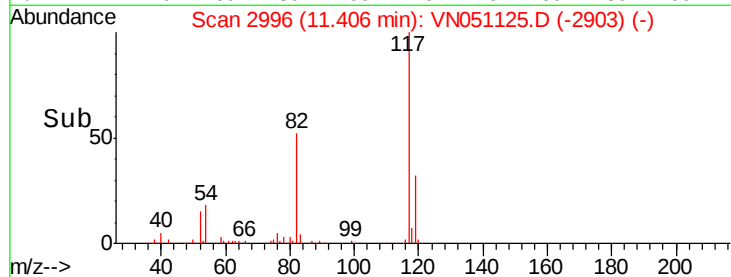
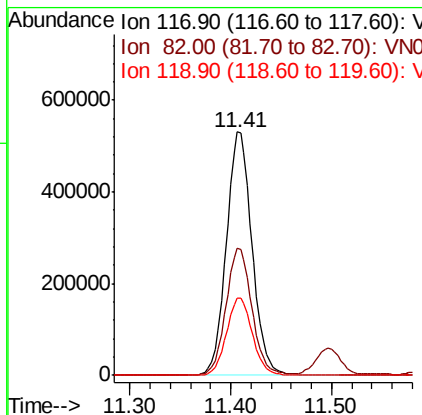
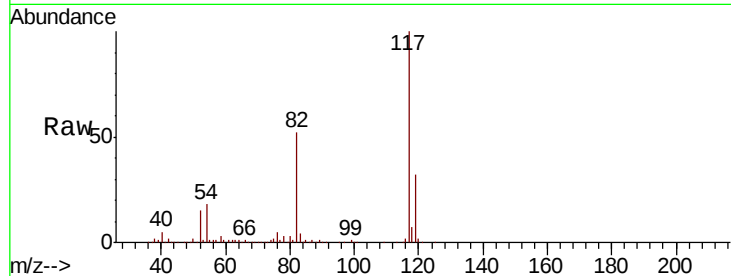
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-FD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	942629		
82	52.1		41.8	62.6
119	31.5		26.2	39.2

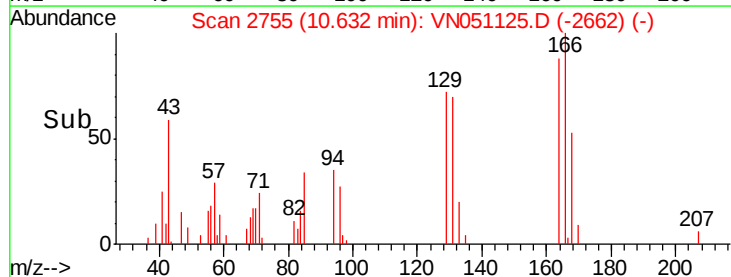
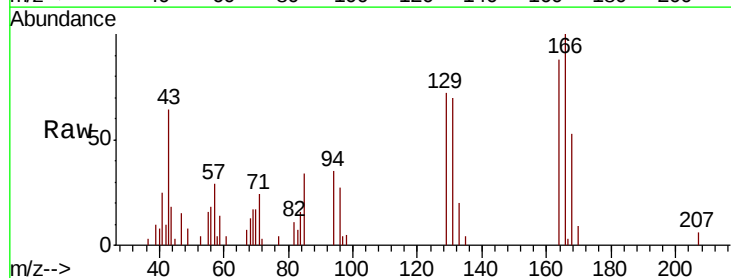
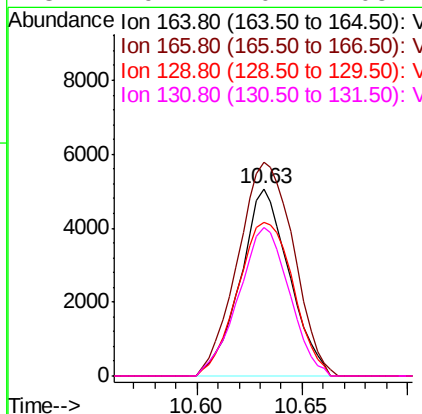
Manual Integrations
APPROVED

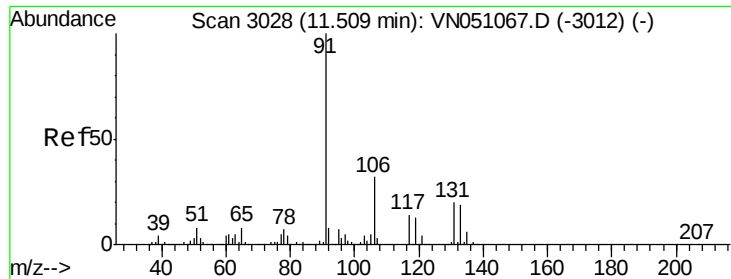
MMDadoda
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#64
Tetrachloroethene
Concen: 0.95 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	8144		
166	114.0		101.3	151.9
129	82.1		72.2	108.2
131	79.4		70.2	105.2





#67

Ethyl Benzene

Concen: 11.01 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051125.D

Acq: 11 Sep 2018 14:23

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-FD

Tot Ion: 91 Resp: 423822

Ion Ratio Lower Upper

91 100

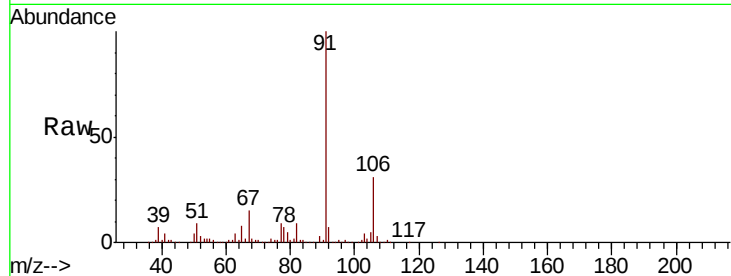
106 31.5 25.4 38.2

Manual Integrations

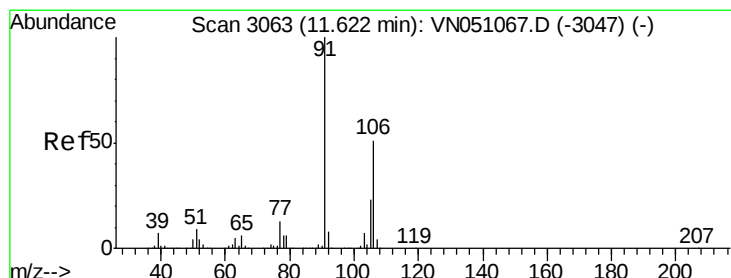
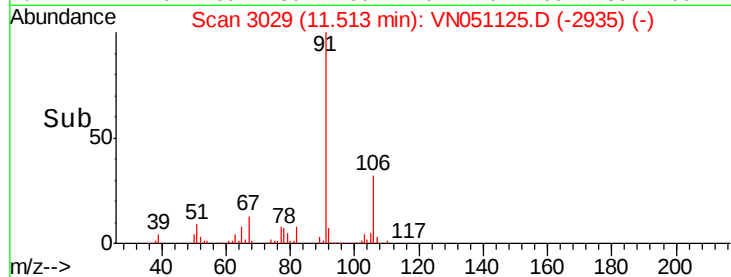
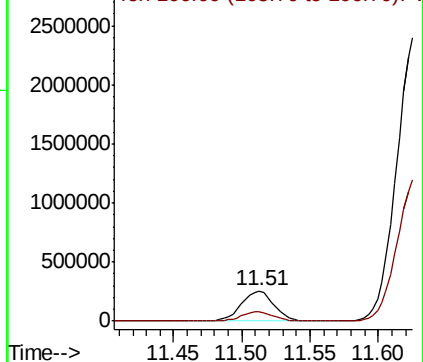
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Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3012) (-)



#68

m/p-Xylenes

Concen: 143.46 ug/l

RT: 11.63 min Scan# 3065

Delta R.T. 0.01 min

Lab File: VN051125.D

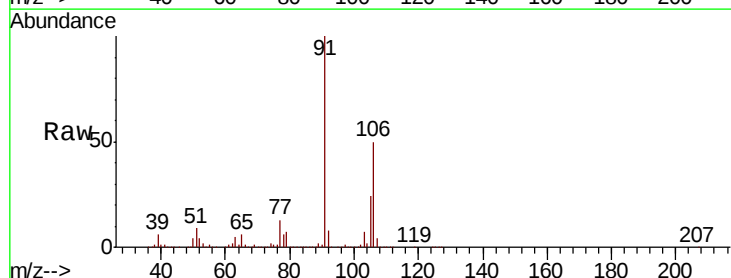
Acq: 11 Sep 2018 14:23

Tgt Ion: 106 Resp: 2121083

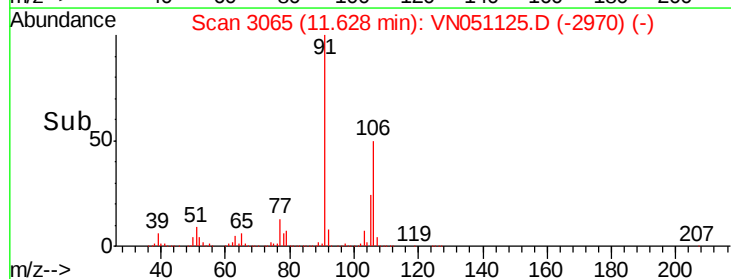
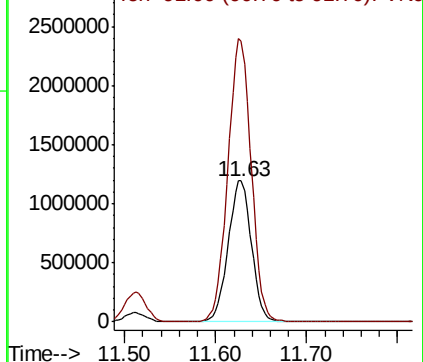
Ion Ratio Lower Upper

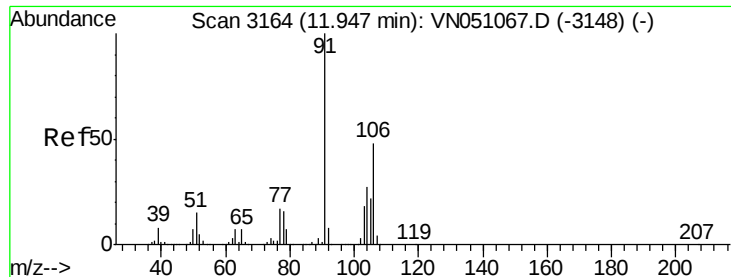
106 100

91 200.7 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): VN051067.D (-3047) (-)





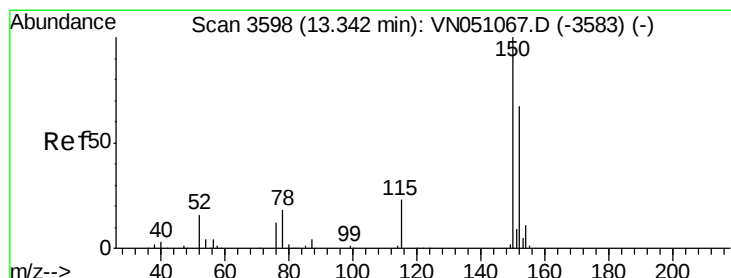
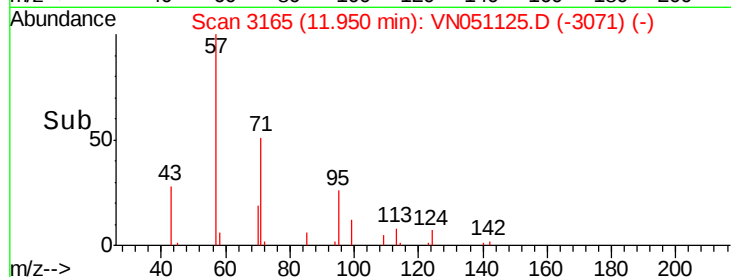
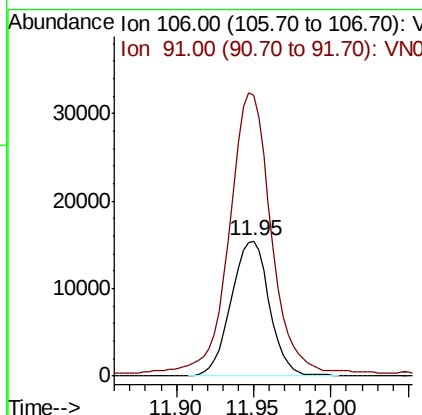
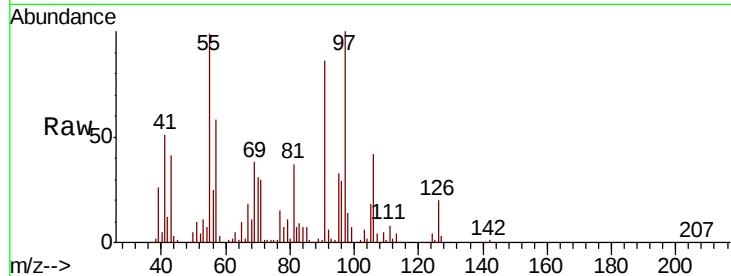
#69
o-Xylene
Concen: 1.86 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Instrument :
MSVOA_N
ClientSampled :
EP1-MW-FD

Tot Ion:106 Resp: 26559
Ion Ratio Lower Upper
106 100
91 224.0 105.1 315.1

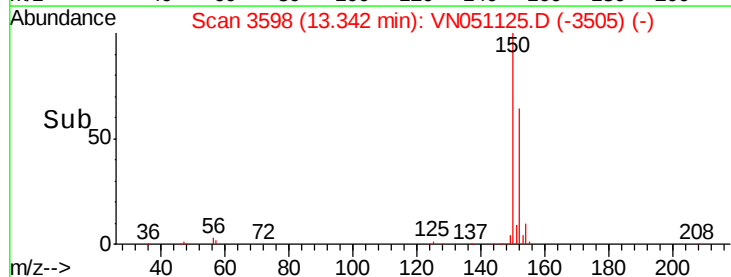
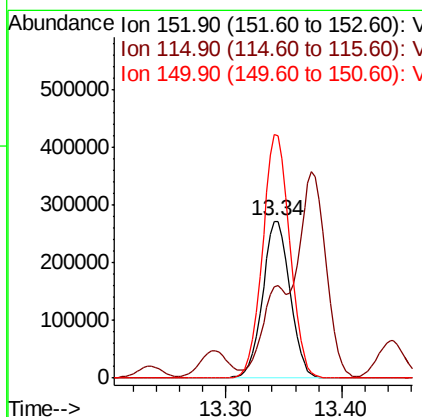
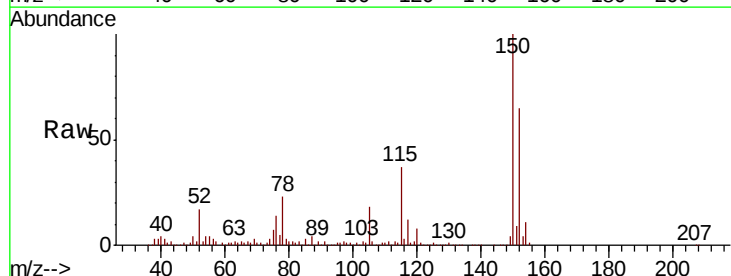
Manual Integrations
APPROVED

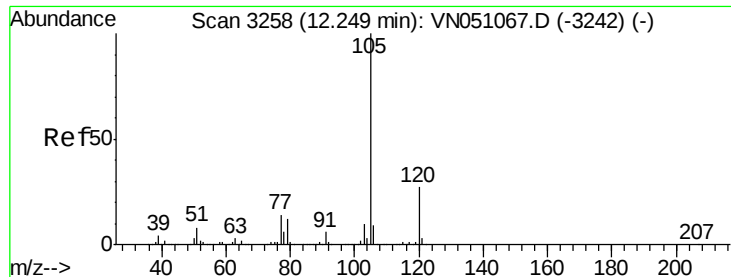
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Tgt Ion:152 Resp: 444563
Ion Ratio Lower Upper
152 100
115 43.8 28.2 84.7
150 154.8 0.0 349.0





#73

Isopropylbenzene

Concen: 213.37 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051125.D

Acq: 11 Sep 2018 14:23

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-FD

Tot Ion:105 Resp: 7954874

Ion Ratio Lower Upper

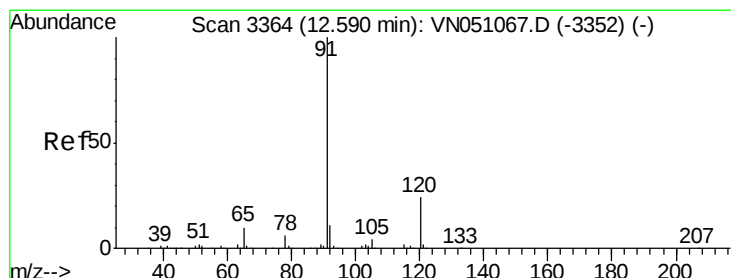
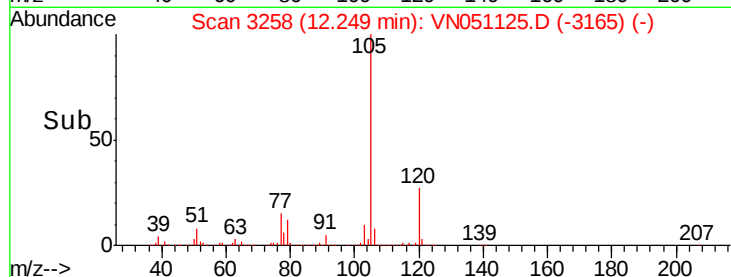
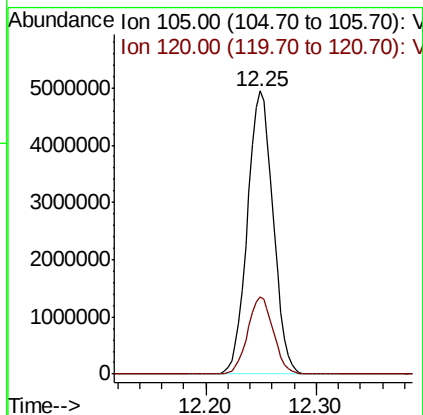
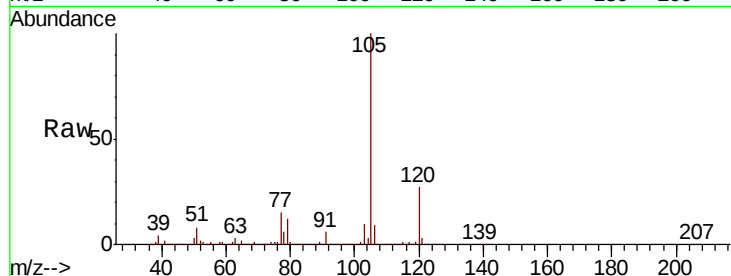
105 100

120 27.2 13.6 40.7

Manual Integrations
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#78

n-propylbenzene

Concen: 382.91 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN051125.D

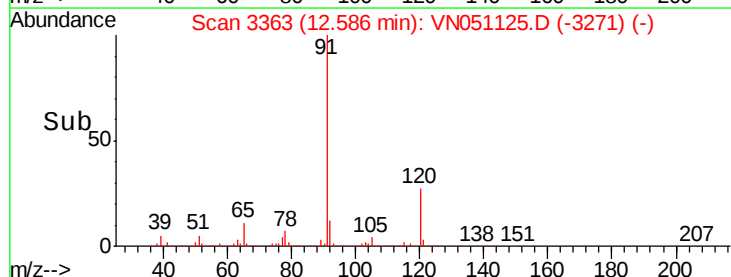
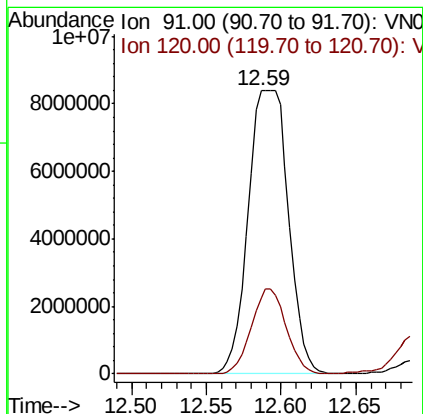
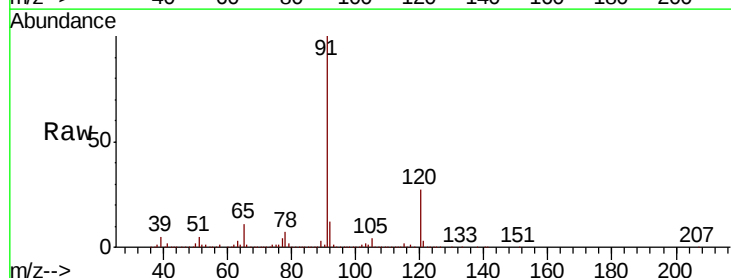
Acq: 11 Sep 2018 14:23

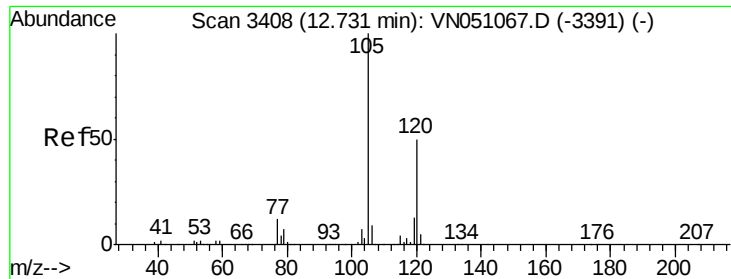
Tgt Ion: 91 Resp:15691510

Ion Ratio Lower Upper

91 100

120 25.9 12.0 36.0





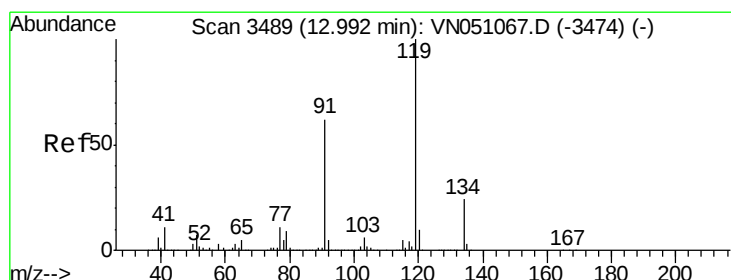
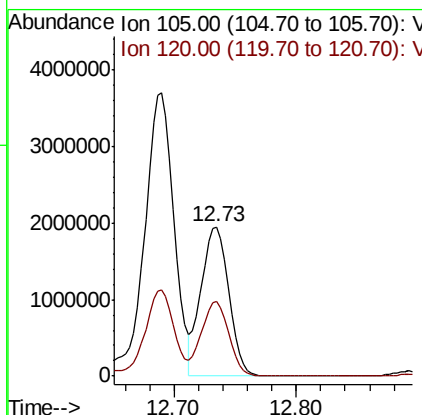
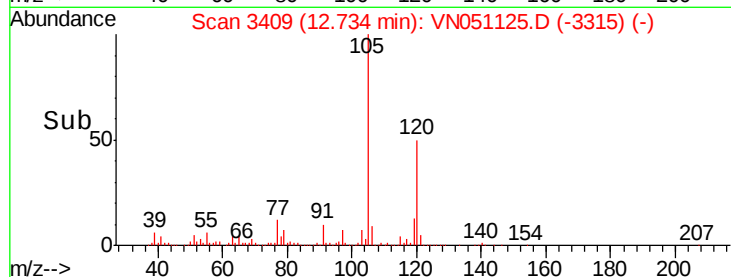
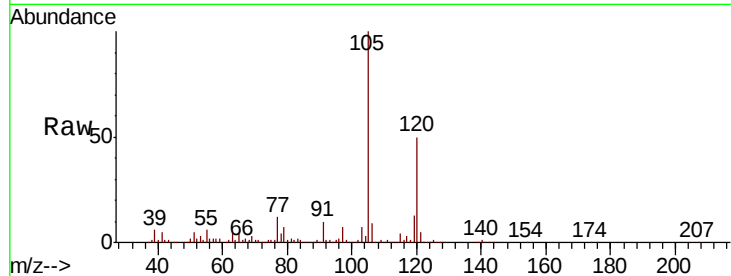
#80
1,3,5-Trimethylbenzene
Concen: 101.93 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Instrument :
MSVOA_N
ClientSampled :
EP1-MW-FD

Tot Ion:105 Resp: 3072341
Ion Ratio Lower Upper
105 100
120 49.4 24.9 74.6

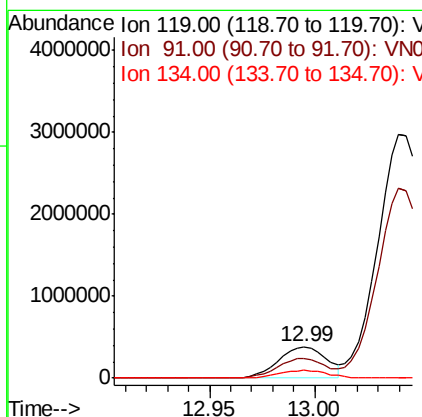
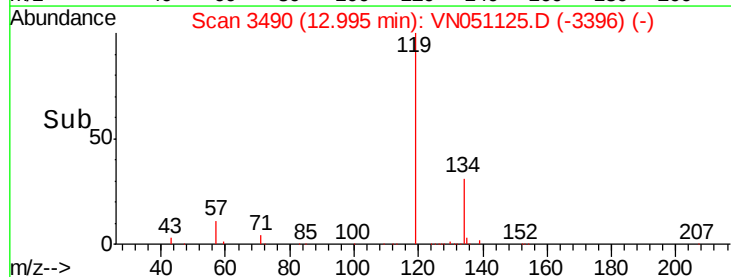
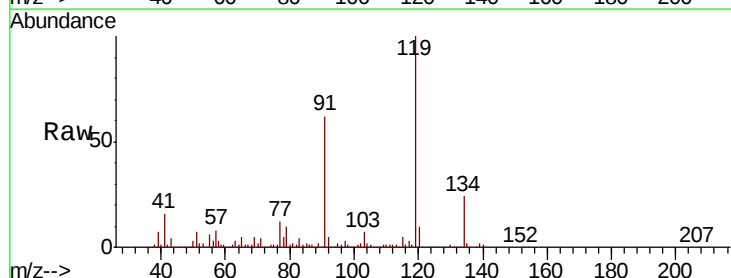
Manual Integrations
APPROVED

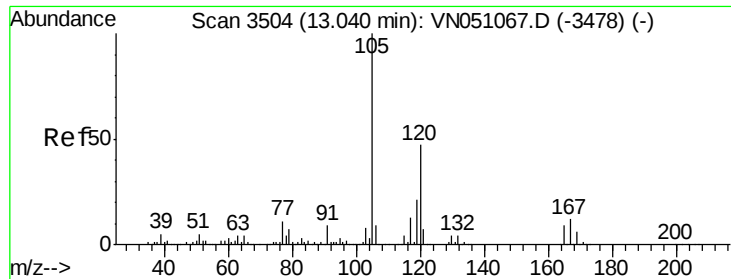
MMDadoda
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#83
tert-Butylbenzene
Concen: 22.56 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Tgt Ion:119 Resp: 600209
Ion Ratio Lower Upper
119 100
91 63.4 30.8 92.3
134 25.1 13.2 39.6





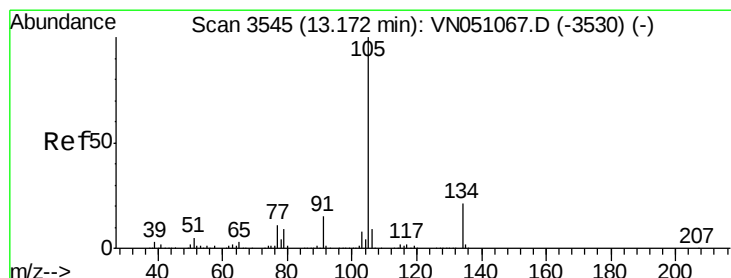
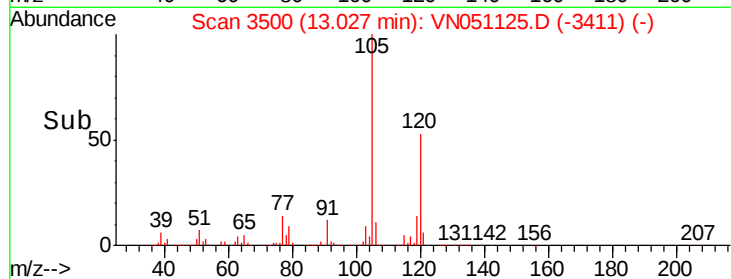
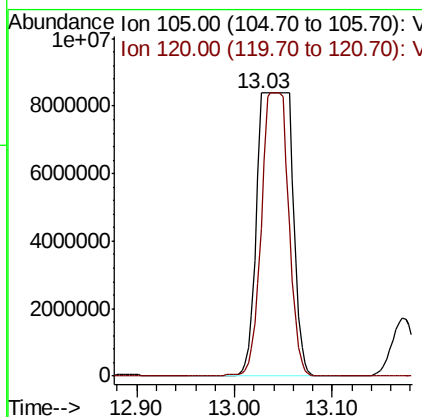
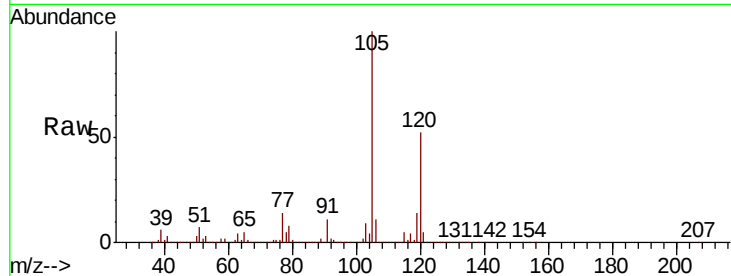
#84
 1,2,4-Trimethylbenzene
 Concen: 709.36 ug/l m
 RT: 13.03 min Scan# 3500
 Delta R.T. -0.01 min
 Lab File: VN051125.D
 Acq: 11 Sep 2018 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-FD

Tot Ion:105 Resp:21023656
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.3 69.8#

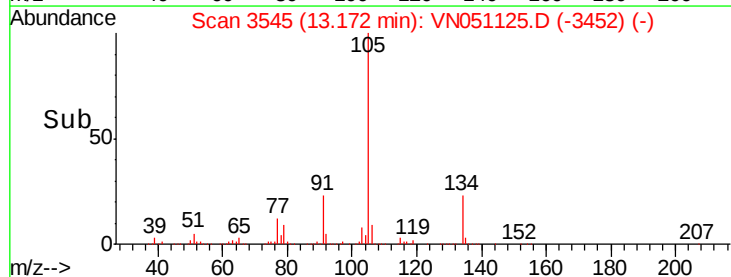
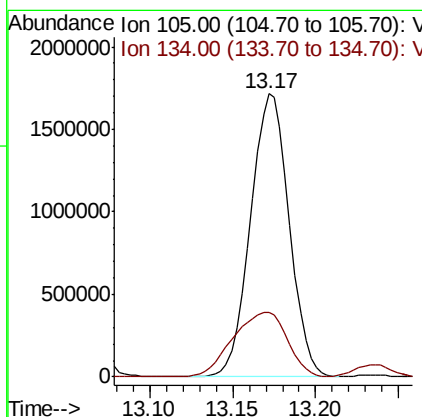
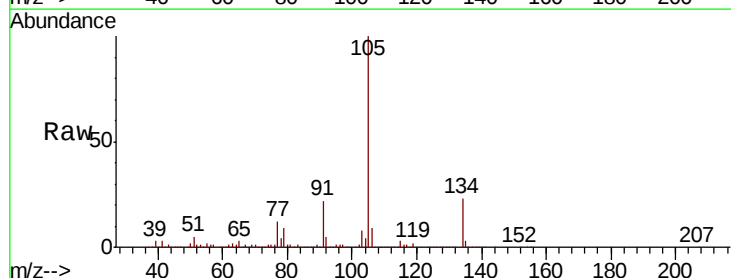
Manual Integrations
 APPROVED

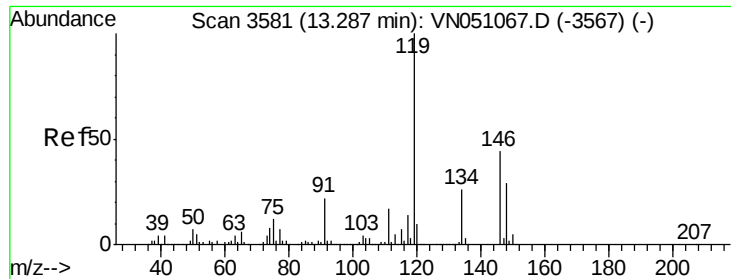
MMDadoda
 9/12/2018 10:07:07 AM



#85
 sec-Butylbenzene
 Concen: 81.19 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051125.D
 Acq: 11 Sep 2018 14:23

Tgt Ion:105 Resp: 2770671
 Ion Ratio Lower Upper
 105 100
 134 32.3 10.4 31.4#





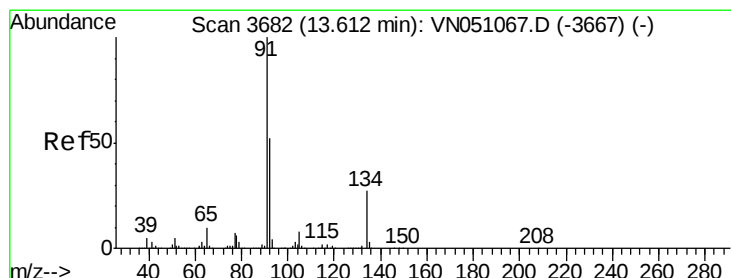
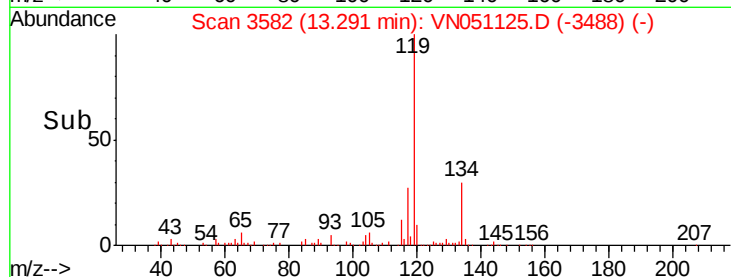
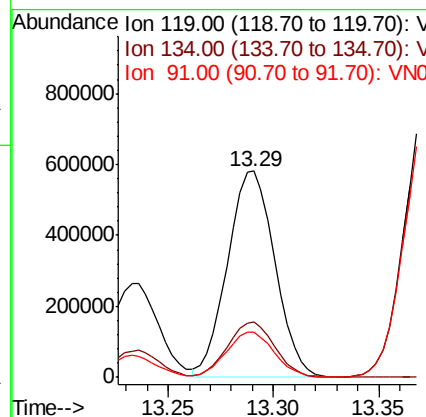
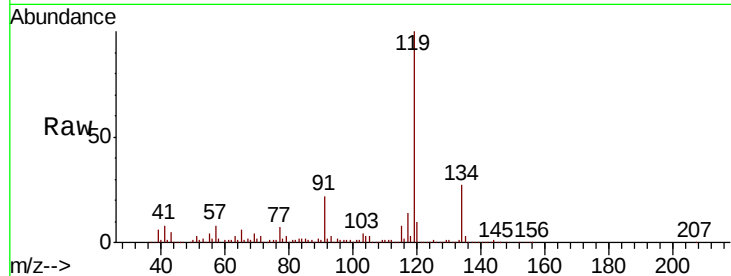
#86
p-Isopropyltoluene
Concen: 31.27 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-FD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	904767		
134	26.7	13.5	40.4	
91	21.6	10.9	32.9	

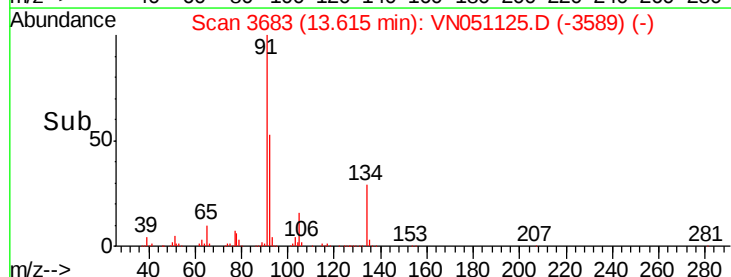
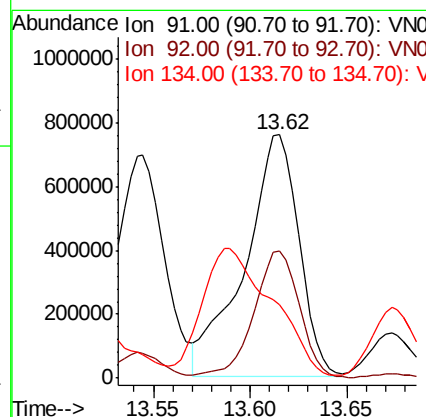
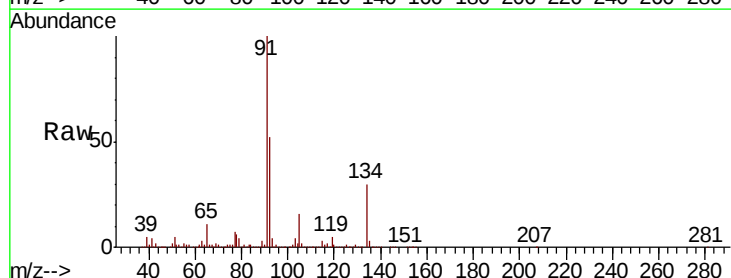
Manual Integrations
APPROVED

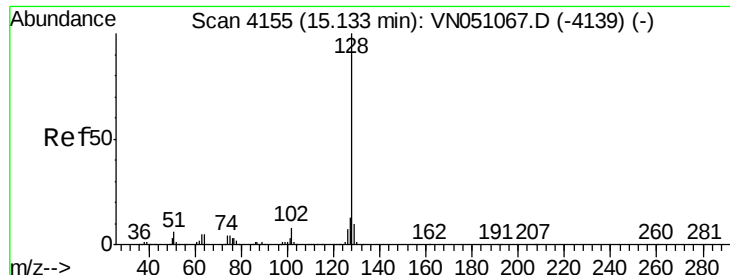
MMDadoda
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#89
n-Butylbenzene
Concen: 65.93 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1484766		
92	43.7	26.2	78.6	
134	0.0	13.7	41.1#	





#95
Naphthalene
Concen: 18.33 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051125.D
Acq: 11 Sep 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-FD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/12/2018 10:07:07 AM

