

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091719\
 Data File : VN058141.D
 Acq On : 17 Sep 2019 12:05
 Operator : JC/SP
 Sample : K4871-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-3-1

Manual Integrations
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 9/18/2019 4:41:36 PM

Quant Time: Sep 18 08:04:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	342511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	563256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	508004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	296465	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	326081	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
35) Dibromofluoromethane	7.57	113	229257	44.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.20%	
50) Toluene-d8	10.08	98	870397	43.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.24%	
62) 4-Bromofluorobenzene	12.40	95	303438	39.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.90%	
Target Compounds						
					Qvalue	
16) Acetone	3.80	43	14778	6.498	ug/l	93
29) Tetrahydrofuran	7.20	42	8197	4.041	ug/l	95
52) Toluene	10.16	92	4859	0.392	ug/l	100
65) Chlorobenzene	11.43	112	38478	2.894	ug/l	98
67) Ethyl Benzene	11.51	91	9013	0.387	ug/l	94
68) m/p-Xylenes	11.62	106	6060	0.710	ug/l	100
69) o-Xylene	11.95	106	9330	1.100	ug/l	98
73) Isopropylbenzene	12.25	105	9750	0.424	ug/l	95
78) n-propylbenzene	12.59	91	21990	0.832	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	51778	2.664	ug/l	99
83) tert-Butylbenzene	13.00	119	5016	0.290	ug/l	88
84) 1,2,4-Trimethylbenzene	13.04	105	102139	5.170	ug/l	99
85) sec-Butylbenzene	13.18	105	16527	0.722	ug/l #	78
86) p-Isopropyltoluene	13.29	119	20961	1.039	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	8465m	0.804	ug/l	
88) 1,4-Dichlorobenzene	13.37	146	24093	2.255	ug/l	84
89) n-Butylbenzene	13.62	91	21111m	1.108	ug/l	
91) 1,2-Dichlorobenzene	13.66	146	32488	3.089	ug/l	89
95) Naphthalene	15.13	128	52905	1.525	ug/l #	88

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

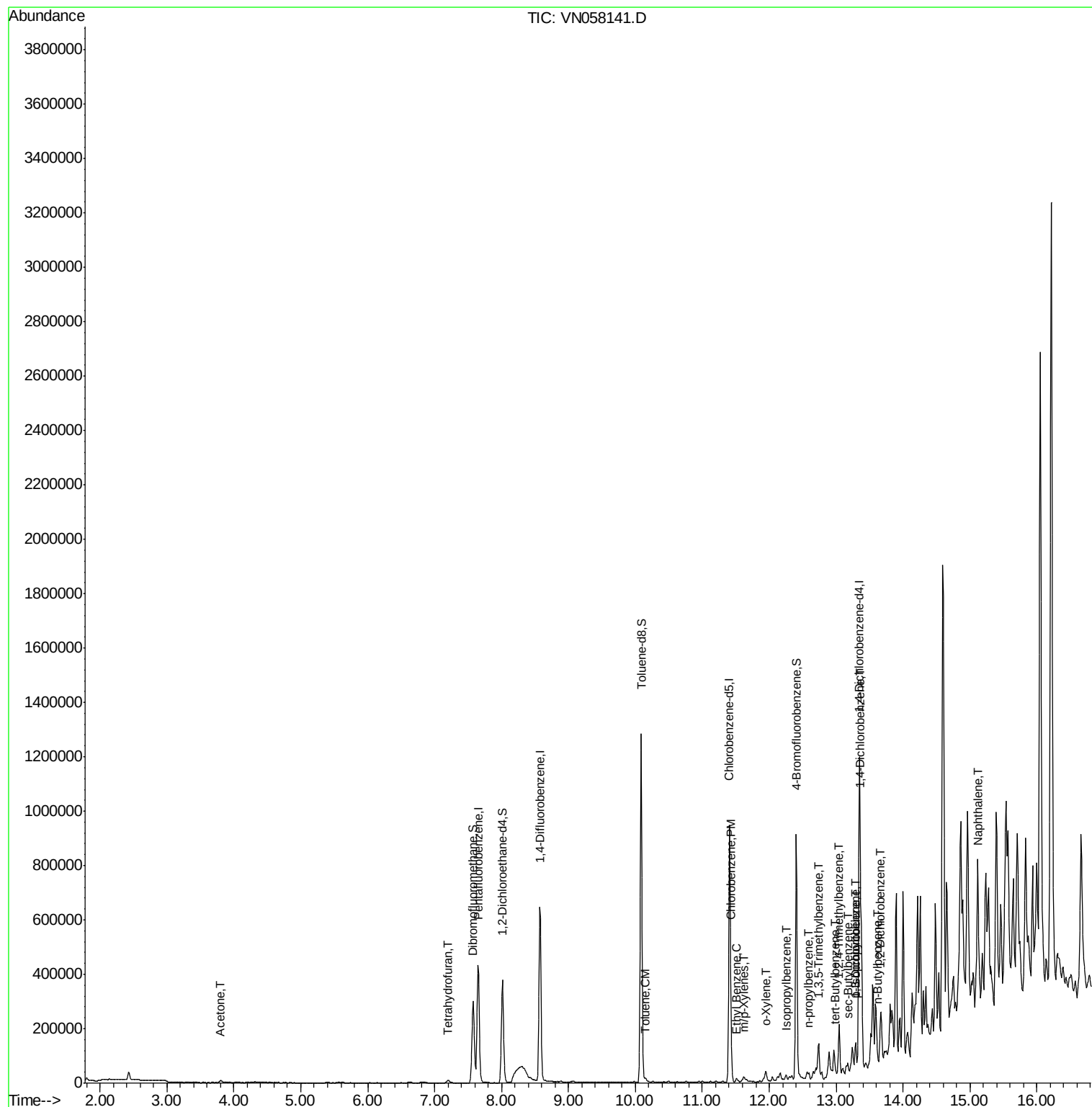
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091719\
Data File : VN058141.D
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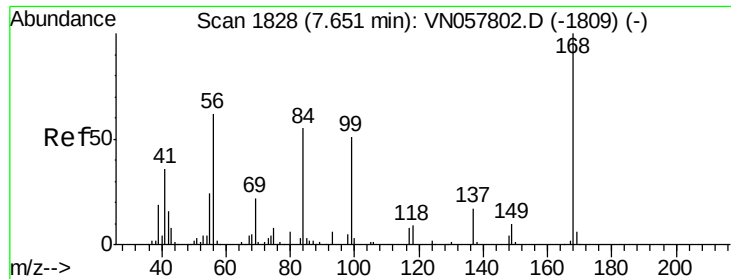
Instrument :
MSVOA_N
ClientSampleId :
VE-3-1

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Quant Time: Sep 18 08:04:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058141.D

Acq: 17 Sep 2019 12:05

Instrument :

MSVOA_N

ClientSampled :

VE-3-1

Tot Ion:168 Resp: 342511

Ion Ratio Lower Upper

168 100

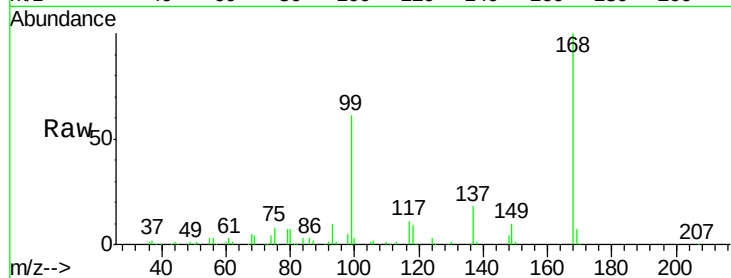
99 60.8 48.0 72.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

150000

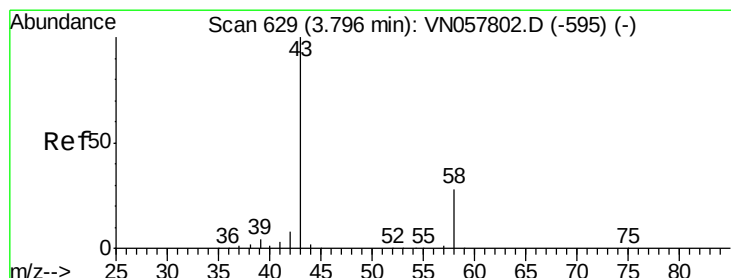
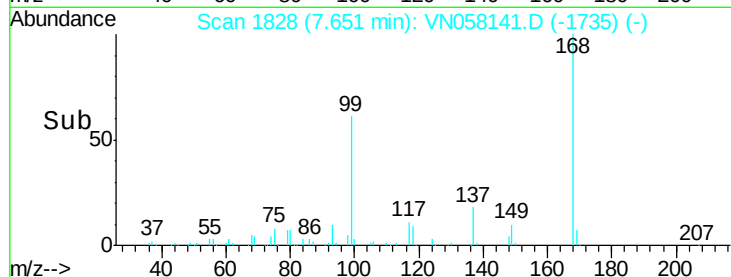
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 6.498 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058141.D

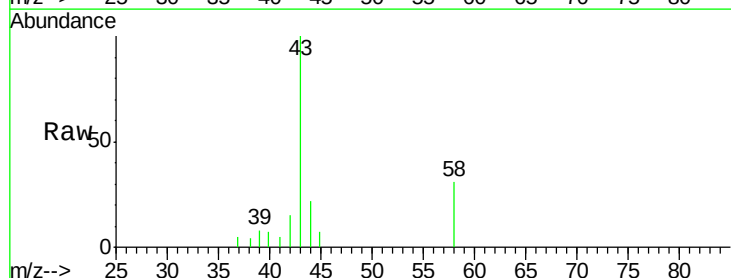
Acq: 17 Sep 2019 12:05

Tgt Ion: 43 Resp: 14778

Ion Ratio Lower Upper

43 100

58 31.2 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.80

5000

4000

3000

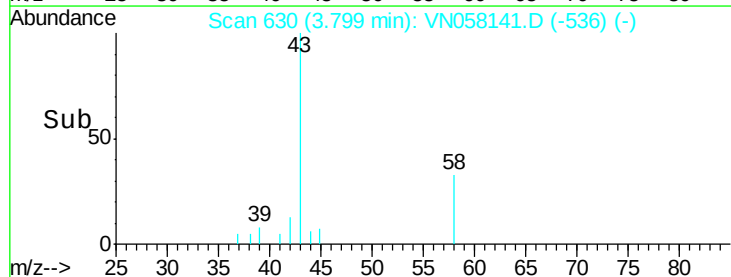
2000

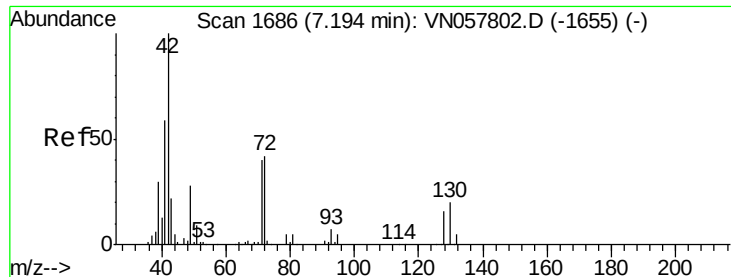
1000

0

3.70 3.75 3.80 3.85 3.90

Time-->





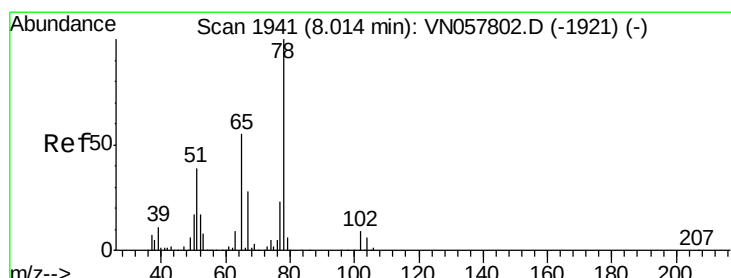
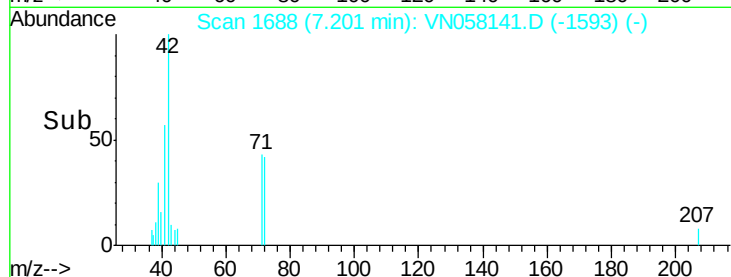
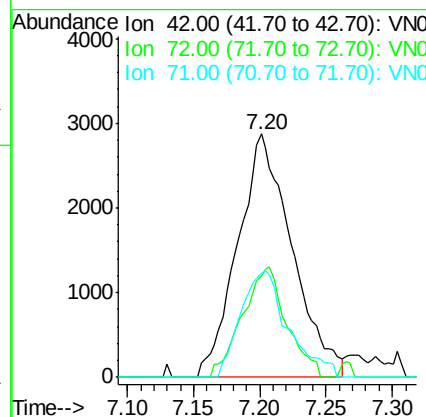
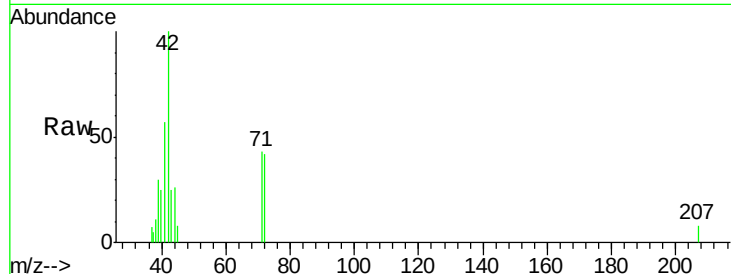
#29
Tetrahydrofuran
Concen: 4.041 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN058141.D
Acq: 17 Sep 2019 12:05

Instrument :
MSVOA_N
ClientSampled :
VE-3-1

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	33.7	50.5
71	38.4	31.9	47.9

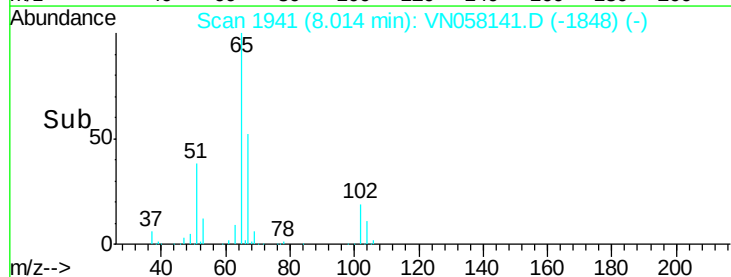
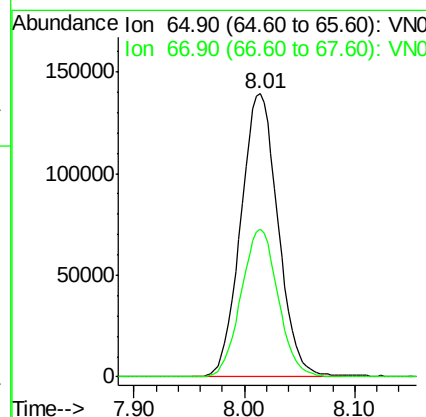
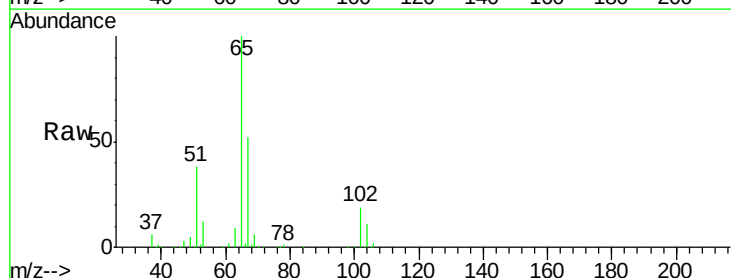
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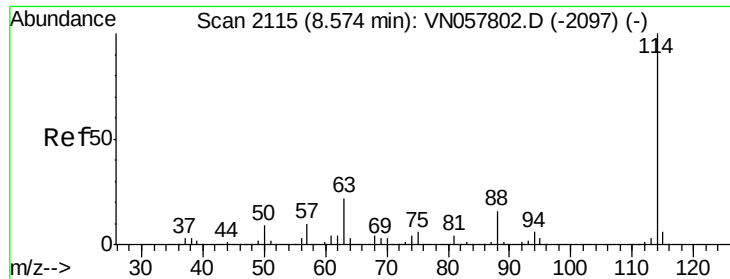
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#33
1,2-Dichloroethane-d4
Concen: 47.004 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN058141.D
Acq: 17 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.0





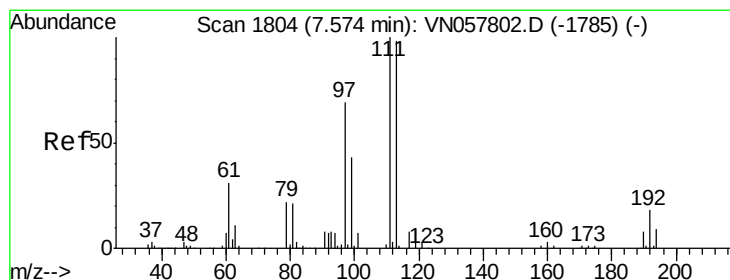
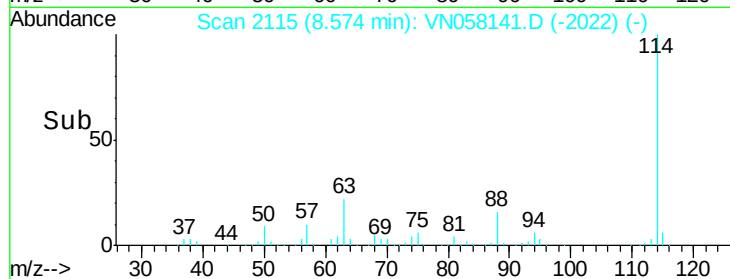
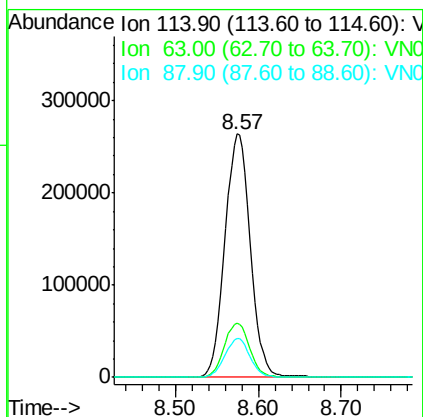
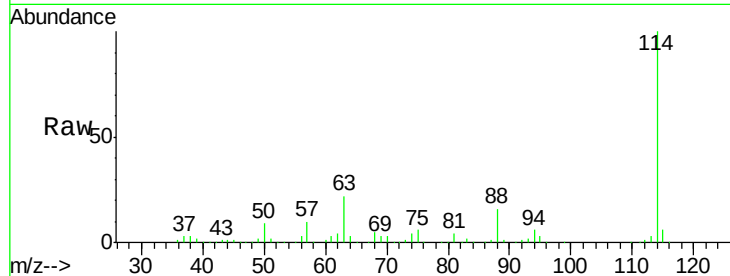
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058141.D
 Acq: 17 Sep 2019 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-3-1

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	22.0	0.0	44.0
88	15.8	0.0	31.4

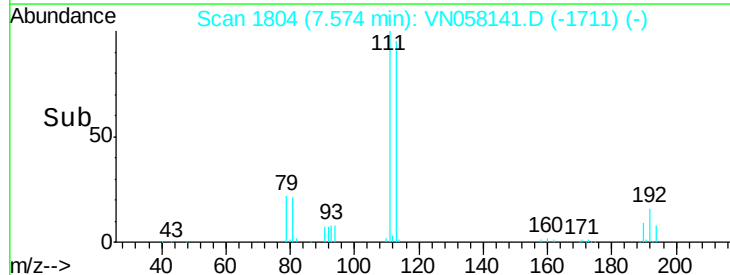
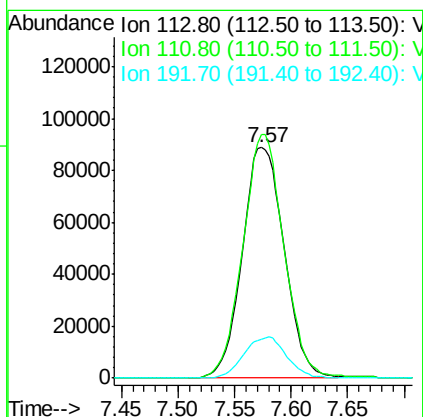
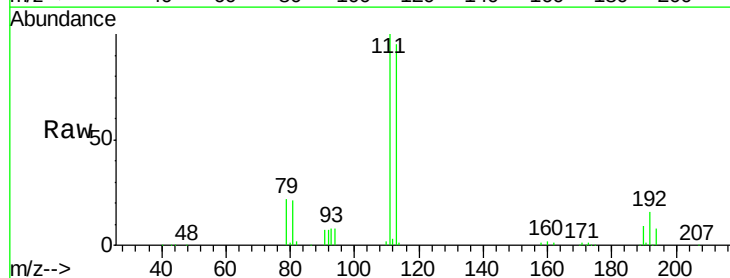
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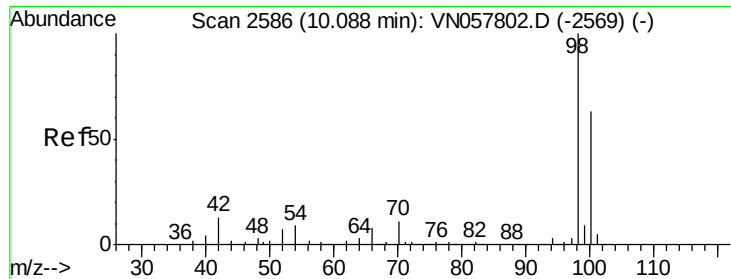
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#35
 Dibromofluoromethane
 Concen: 44.100 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058141.D
 Acq: 17 Sep 2019 12:05

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.5	81.3	121.9
192	18.1	14.6	22.0





#50

Toluene-d8

Concen: 43.123 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058141.D

Acq: 17 Sep 2019 12:05

Instrument :

MSVOA_N

ClientSampled :

VE-3-1

Tot Ion: 98 Resp: 870397

Ion Ratio Lower Upper

98 100

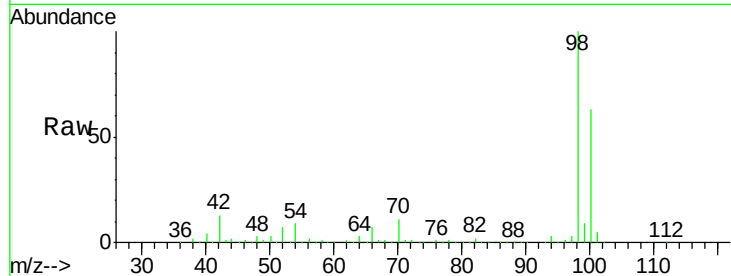
100 63.7 50.3 75.5

Manual Integrations

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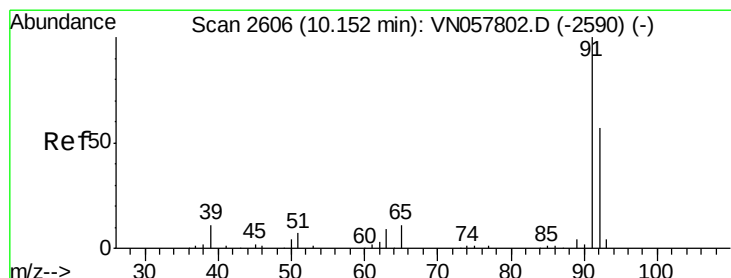
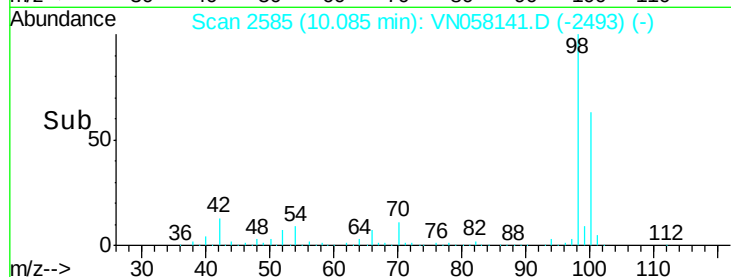
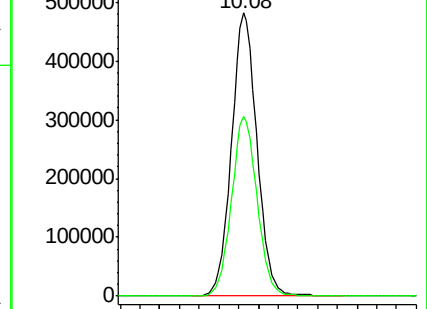
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Abundance Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057802.D (-2569) (-)



#52

Toluene

Concen: 0.392 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN058141.D

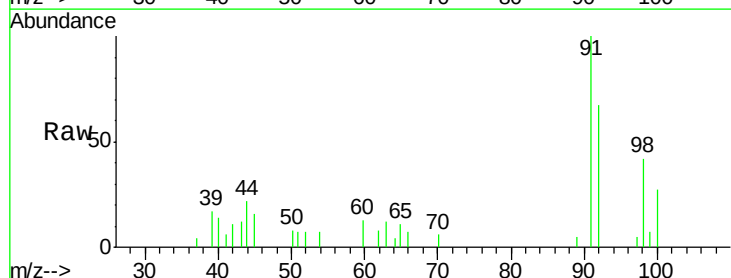
Acq: 17 Sep 2019 12:05

Tgt Ion: 92 Resp: 4859

Ion Ratio Lower Upper

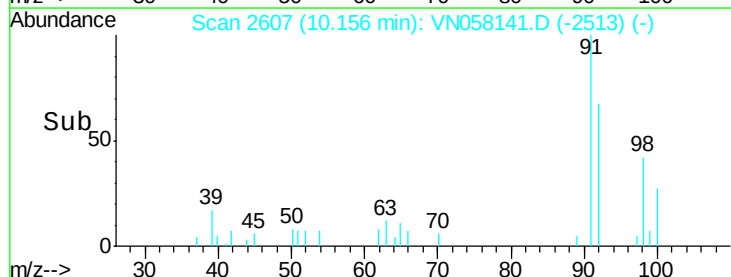
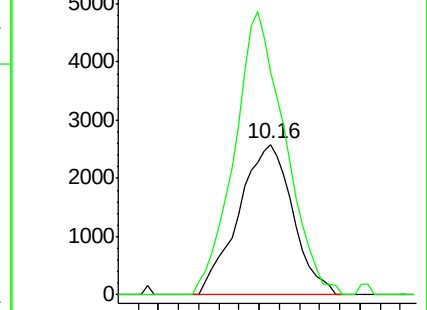
92 100

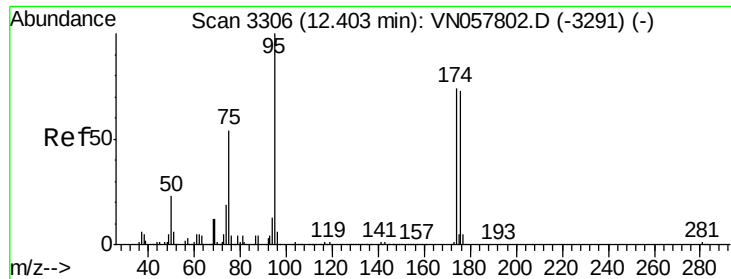
91 175.6 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-2590) (-)





#62

4-Bromofluorobenzene

Concen: 39.449 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058141.D

Acq: 17 Sep 2019 12:05

Instrument :

MSVOA_N

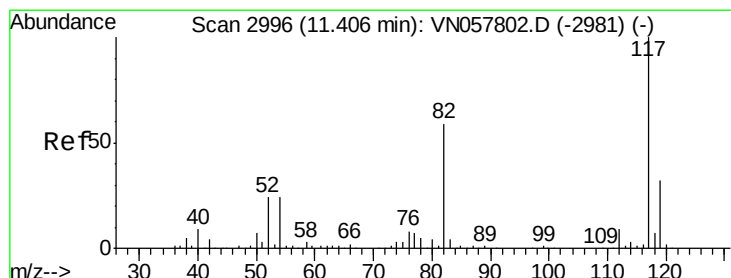
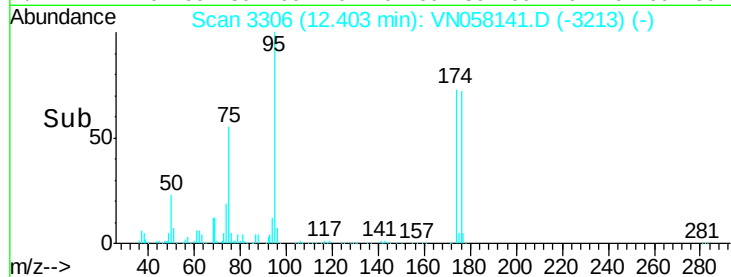
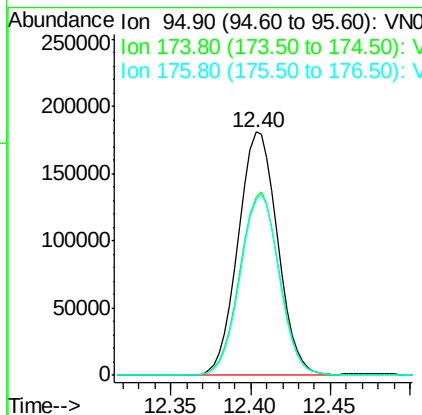
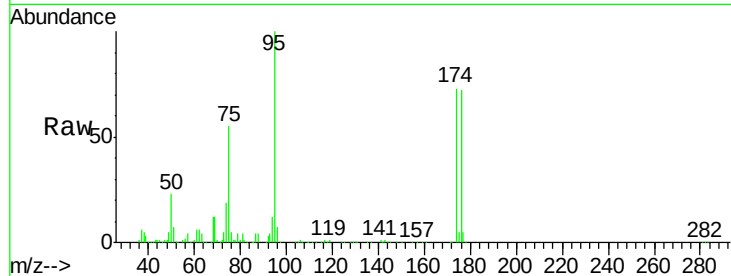
ClientSampled :

VE-3-1

Tot Ion:	95	Resp:	303438
Ion Ratio	Lower	Upper	
95	100		
174	75.7	0.0	150.2
176	74.0	0.0	146.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

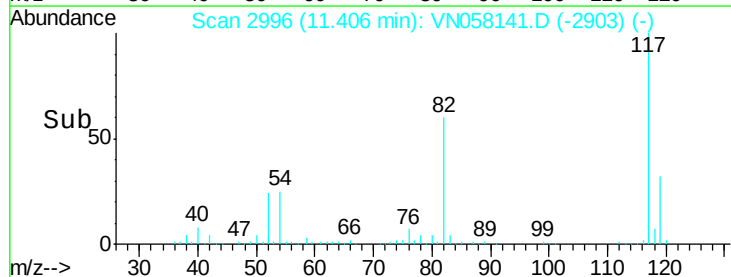
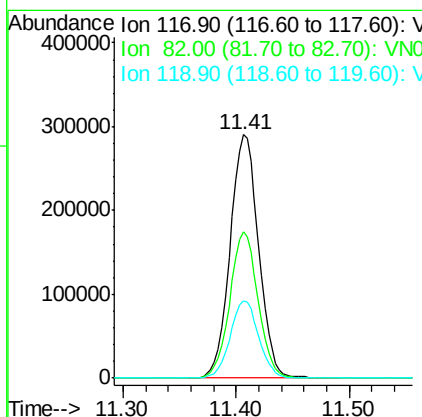
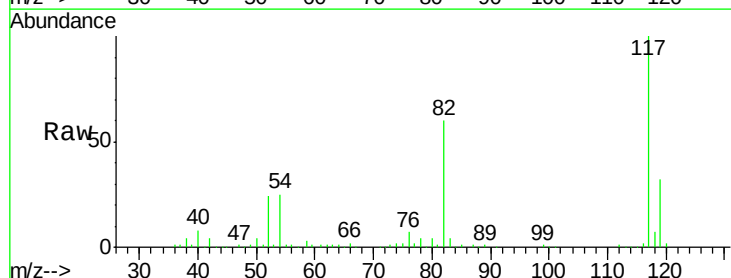
RT: 11.41 min Scan# 2996

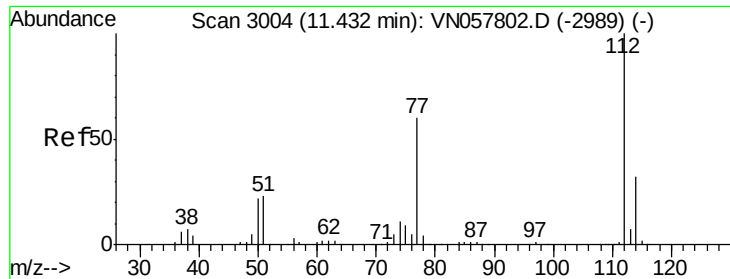
Delta R.T. 0.00 min

Lab File: VN058141.D

Acq: 17 Sep 2019 12:05

Tgt Ion:	117	Resp:	508004
Ion Ratio	Lower	Upper	
117	100		
82	60.1	47.2	70.8
119	31.9	25.3	37.9





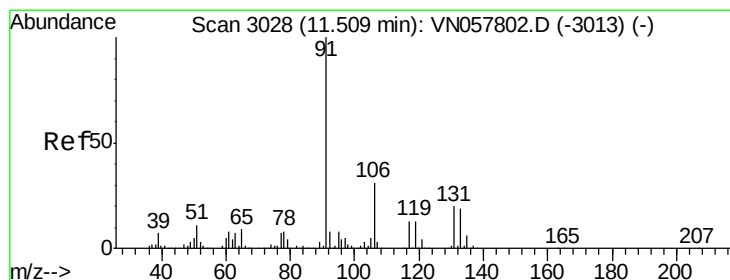
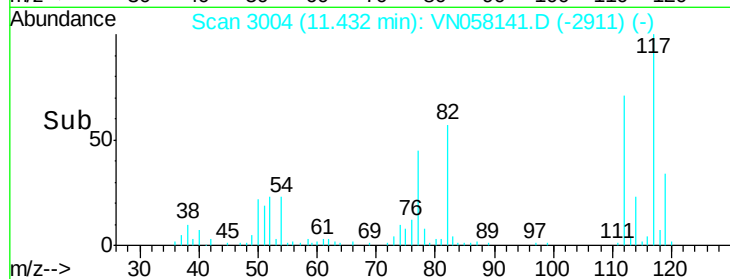
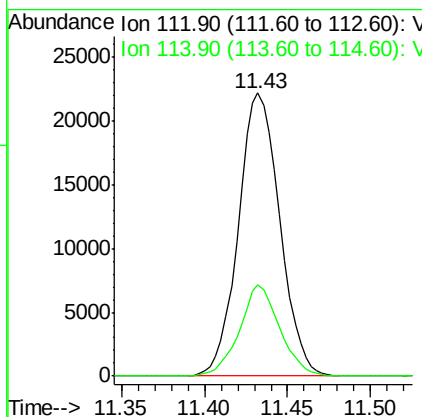
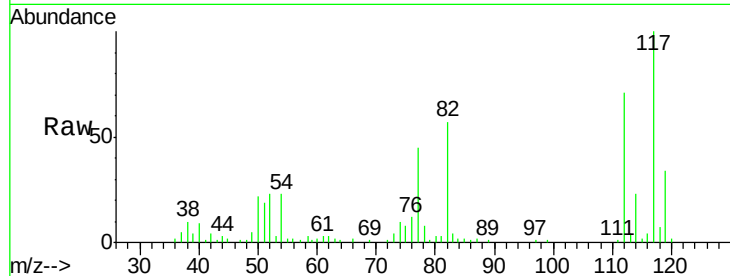
#65
Chlorobenzene
Concen: 2.894 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058141.D
Acq: 17 Sep 2019 12:05

Instrument :
MSVOA_N
ClientSampled :
VE-3-1

Tot Ion:112 Resp: 38478
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8

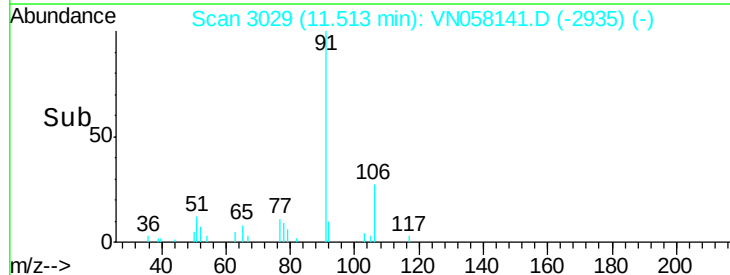
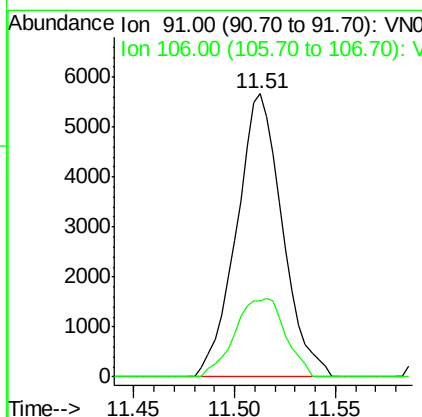
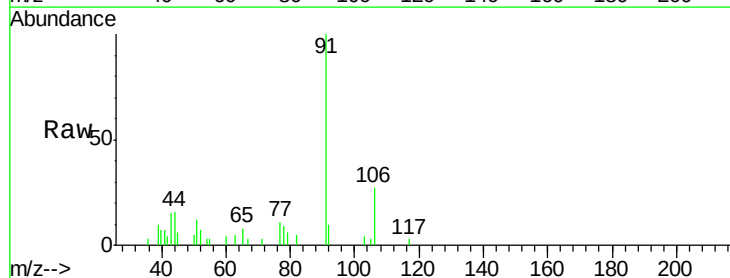
Manual Integrations
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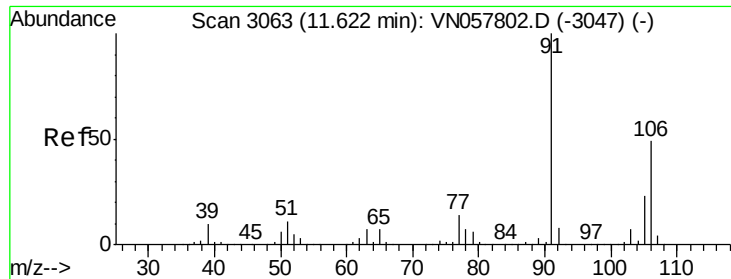
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#67
Ethyl Benzene
Concen: 0.387 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058141.D
Acq: 17 Sep 2019 12:05

Tgt Ion: 91 Resp: 9013
Ion Ratio Lower Upper
91 100
106 27.1 24.4 36.6





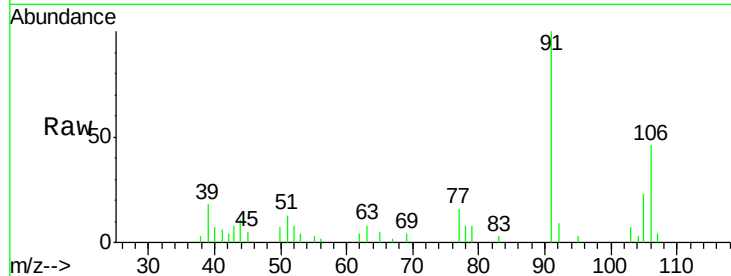
#68
m/p-Xylenes
Concen: 0.710 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058141.D
Acq: 17 Sep 2019 12:05

Instrument :
MSVOA_N
ClientSampled :
VE-3-1

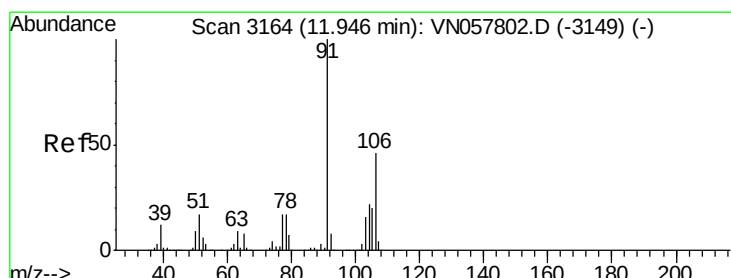
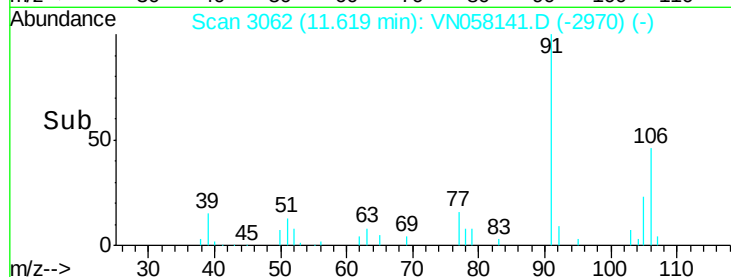
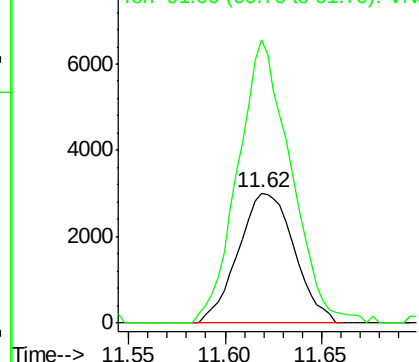
Tot Ion:106 Resp: 6060
Ion Ratio Lower Upper
106 100
91 206.6 165.8 248.6

Manual Integrations
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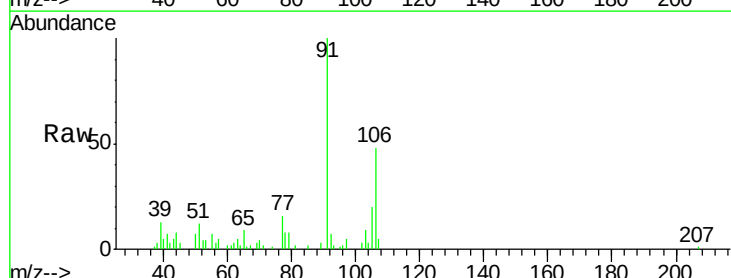


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

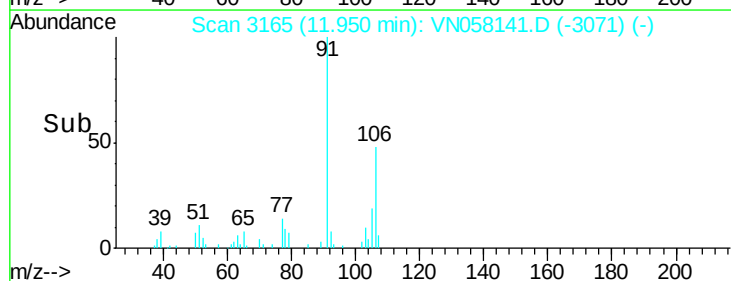
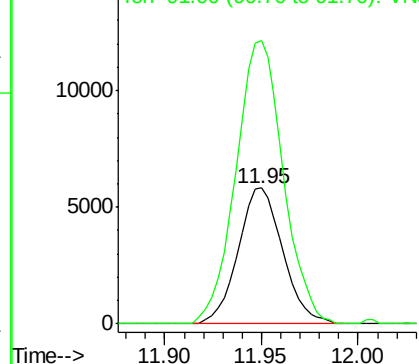


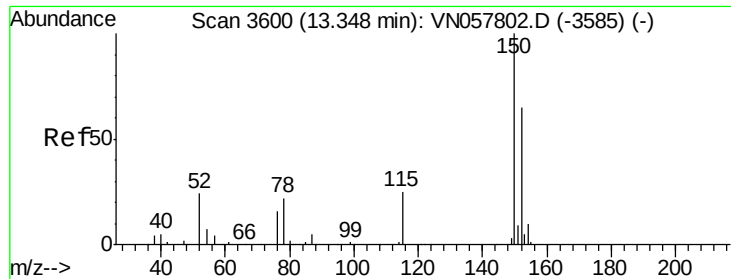
#69
o-Xylene
Concen: 1.100 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058141.D
Acq: 17 Sep 2019 12:05

Tgt Ion:106 Resp: 9330
Ion Ratio Lower Upper
106 100
91 221.2 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





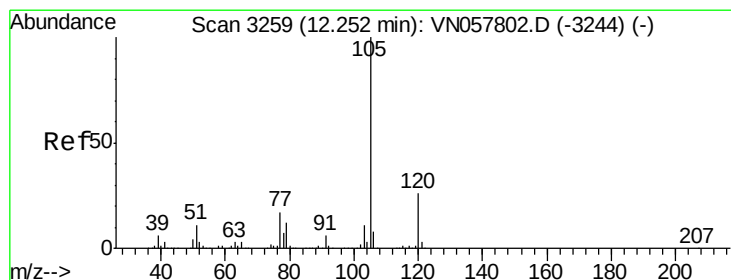
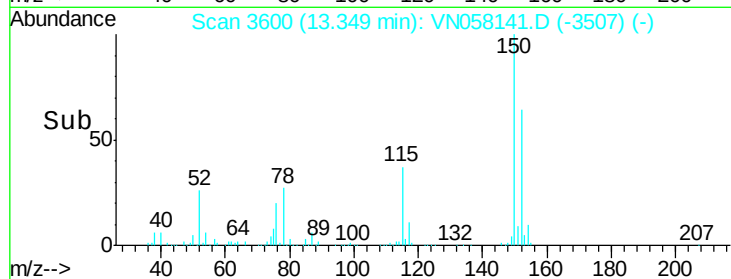
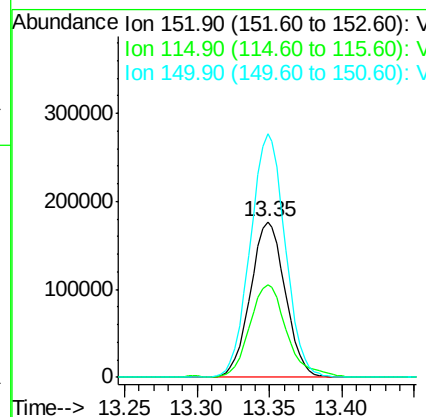
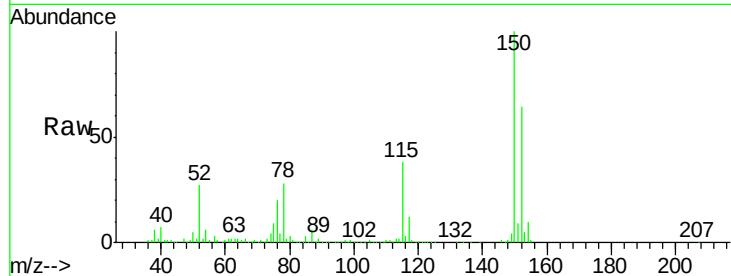
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN058141.D
 Acq: 17 Sep 2019 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-3-1

Tot Ion	Ratio	Resp	Lower	Upper
152	100	296465		
115	63.0		30.3	91.0
150	156.1		0.0	352.4

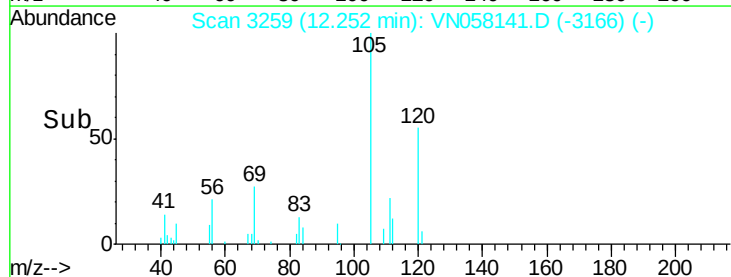
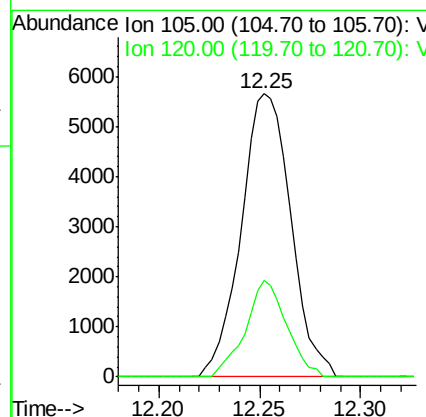
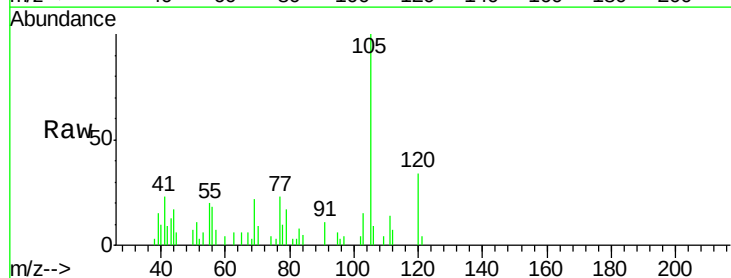
Manual Integrations
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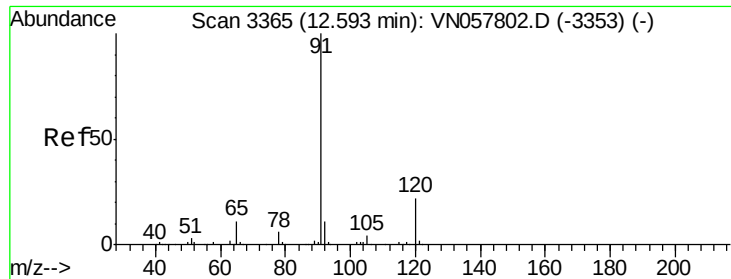
MMDadoda
 9/18/2019 4:41:36 PM



#73
 Isopropylbenzene
 Concen: 0.424 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN058141.D
 Acq: 17 Sep 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	9750		
120	28.3		12.8	38.4





#78

n-propylbenzene

Concen: 0.832 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058141.D

Acq: 17 Sep 2019 12:05

Instrument :

MSVOA_N

ClientSampled :

VE-3-1

Tot Ion: 91 Resp: 21990

Ion Ratio Lower Upper

91 100

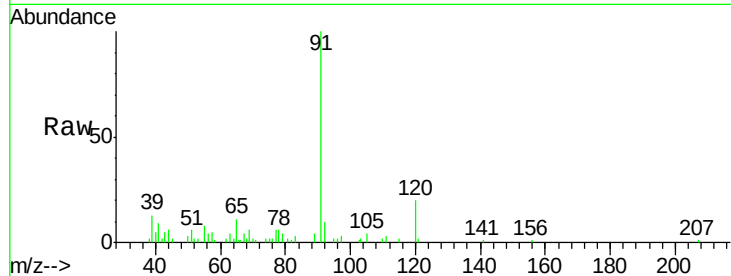
120 20.0 11.1 33.1

Manual Integrations

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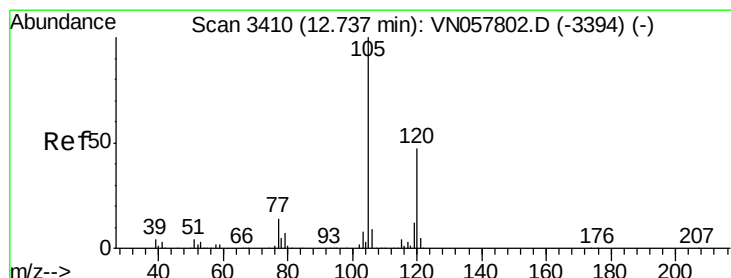
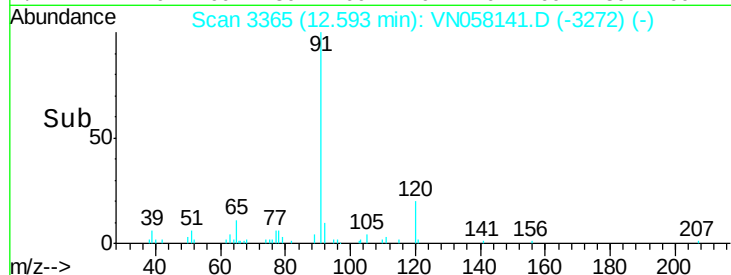
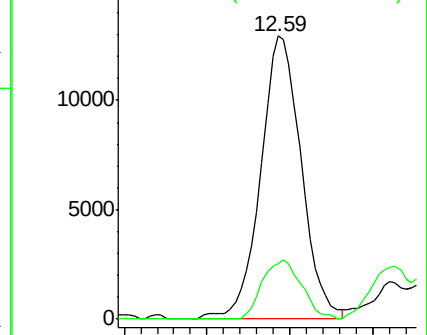
MMDadoda

9/18/2019 4:41:36 PM



Abundance Ion 91.00 (90.70 to 91.70): VN058141.D (-3272) (-)

Ion 120.00 (119.70 to 120.70): VN058141.D (-3272) (-)



#80

1,3,5-Trimethylbenzene

Concen: 2.664 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058141.D

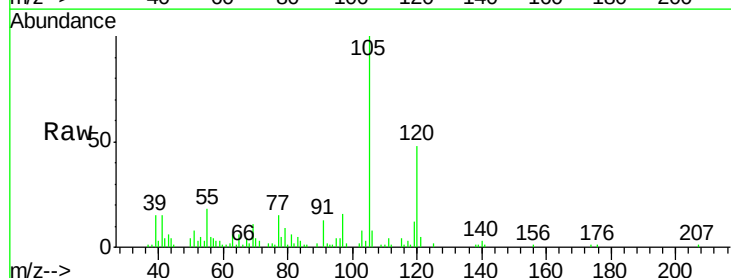
Acq: 17 Sep 2019 12:05

Tgt Ion: 105 Resp: 51778

Ion Ratio Lower Upper

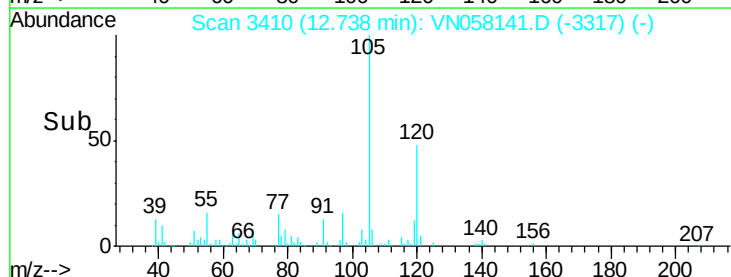
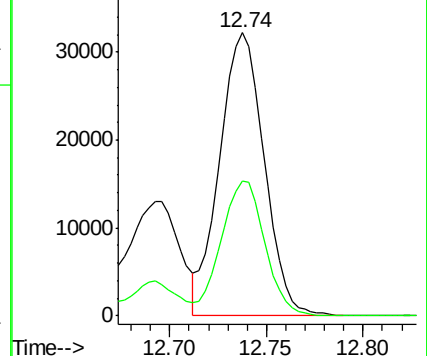
105 100

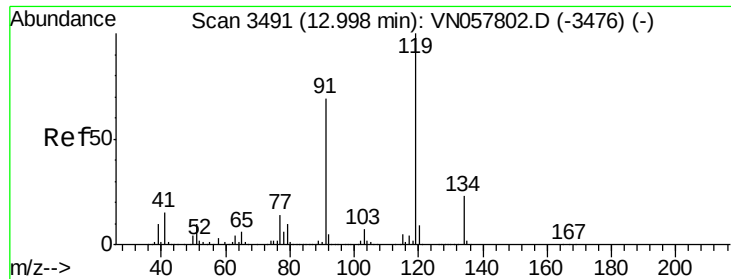
120 46.5 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN058141.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058141.D (-3317) (-)





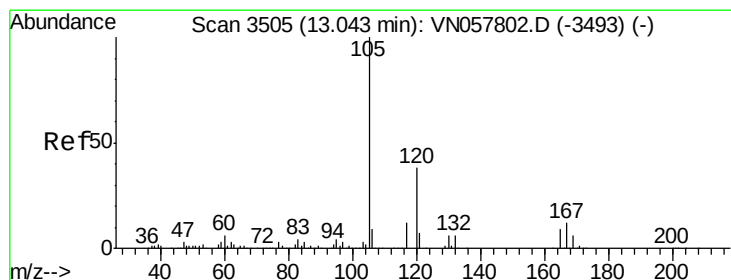
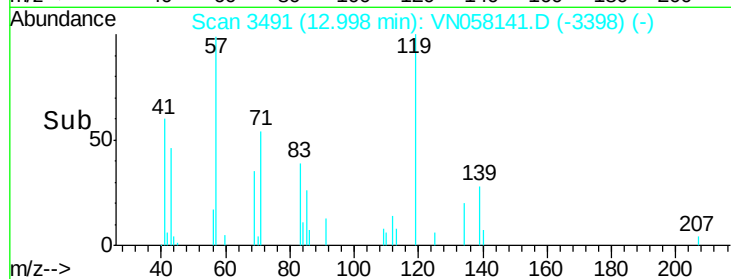
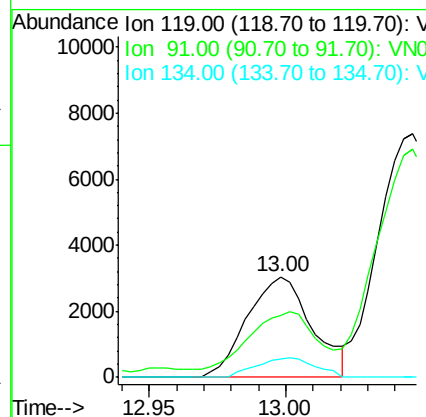
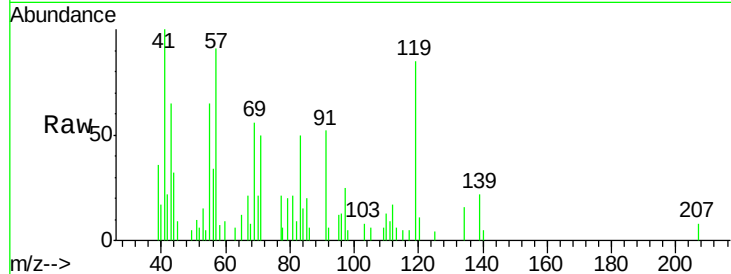
#83
tert-Butylbenzene
Concen: 0.290 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058141.D
Acq: 17 Sep 2019 12:05

Instrument :
MSVOA_N
ClientSampled :
VE-3-1

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.4	33.6	100.8
134	17.7	11.7	35.0

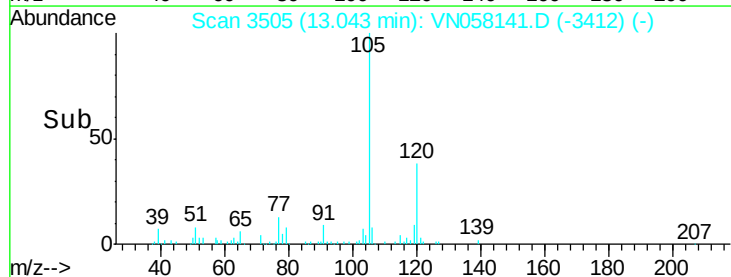
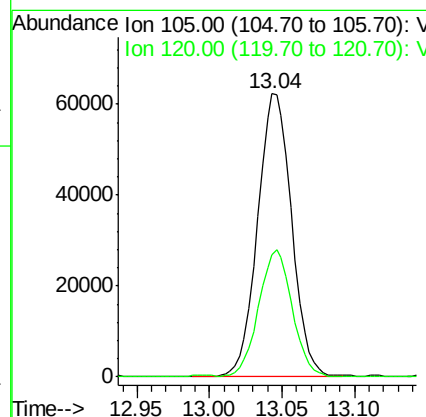
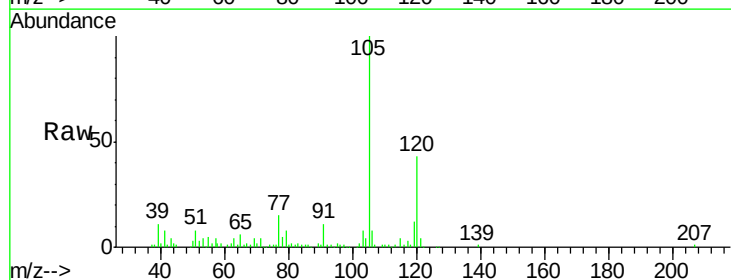
Manual Integrations
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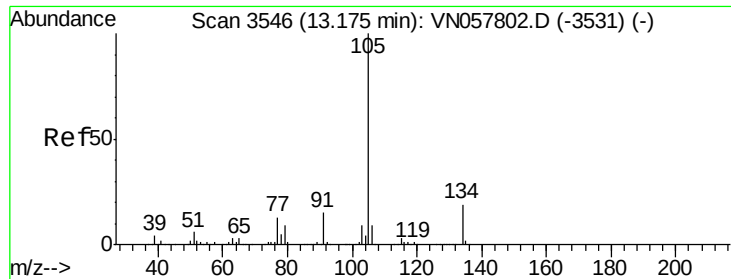
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#84
1,2,4-Trimethylbenzene
Concen: 5.170 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058141.D
Acq: 17 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.2





#85

sec-Butylbenzene

Concen: 0.722 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058141.D

Acq: 17 Sep 2019 12:05

Instrument :

MSVOA_N

ClientSampled :

VE-3-1

Tot Ion:105 Resp: 16527

Ion Ratio Lower Upper

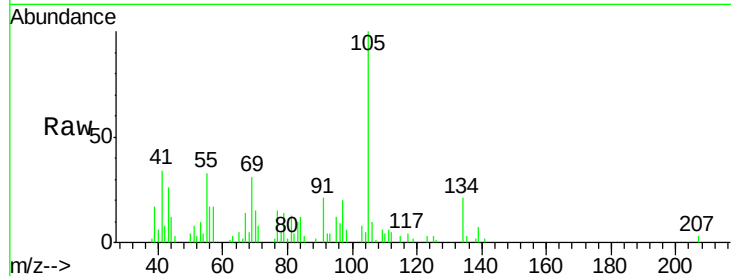
105 100

134 29.1 9.6 28.6#

Manual Integrations
APPROVED

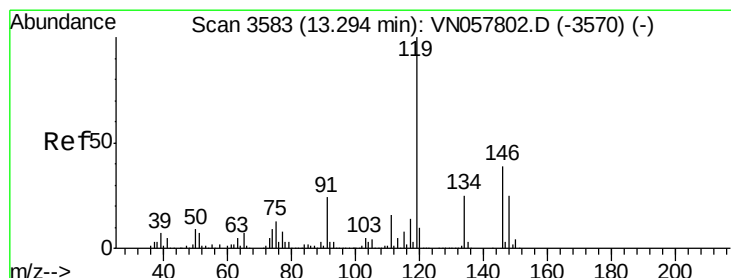
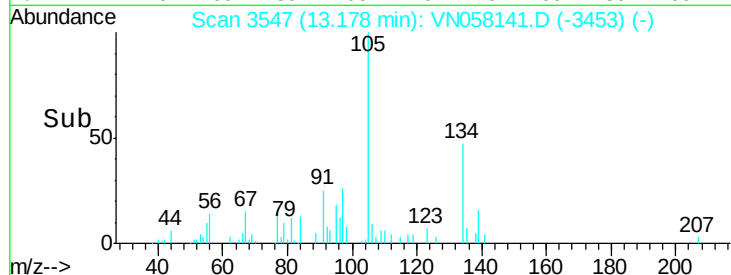
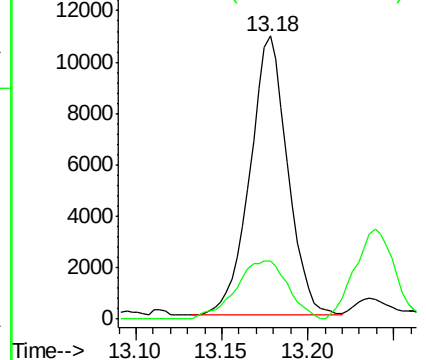
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.039 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058141.D

Acq: 17 Sep 2019 12:05

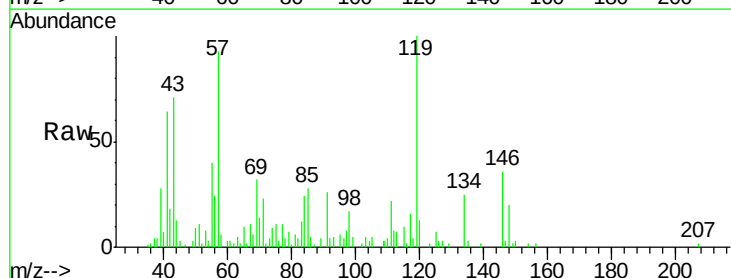
Tgt Ion:119 Resp: 20961

Ion Ratio Lower Upper

119 100

134 25.2 12.5 37.5

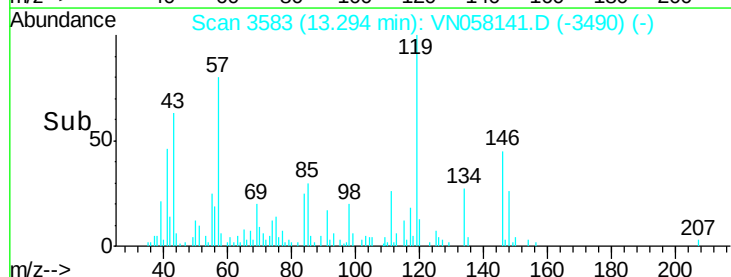
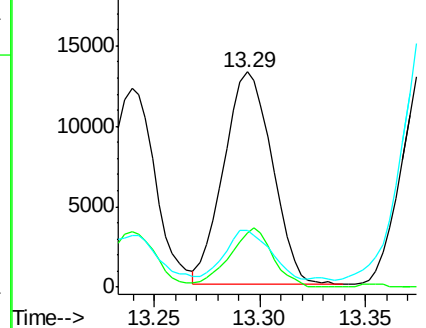
91 21.3 12.3 36.8

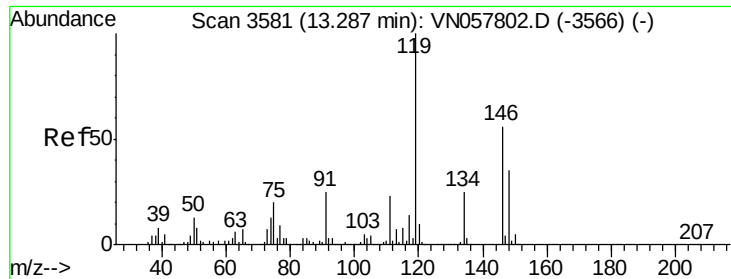


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





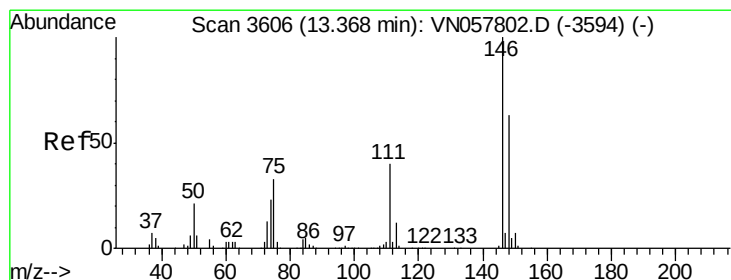
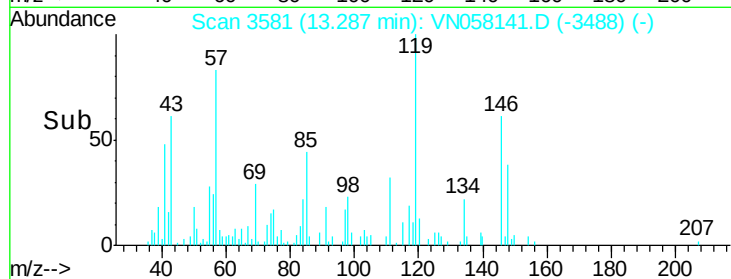
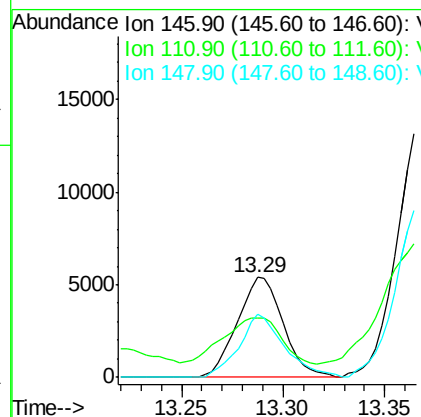
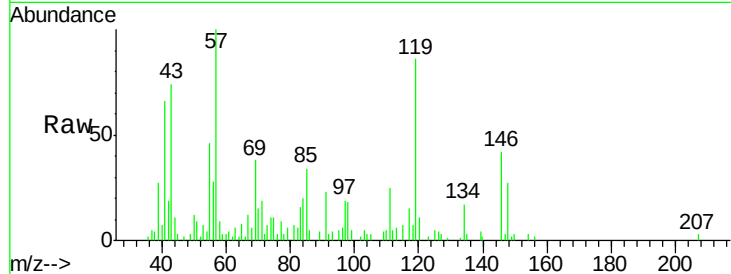
#87
 1,3-Dichlorobenzene
 Concen: 0.804 ug/l m
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058141.D
 Acq: 17 Sep 2019 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VE-3-1

Tot Ion	Ratio	Lower	Upper
146	100		
111	173.6	20.5	61.6#
148	194.6	31.5	94.5#

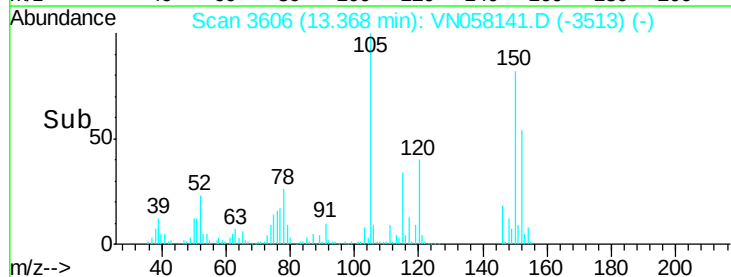
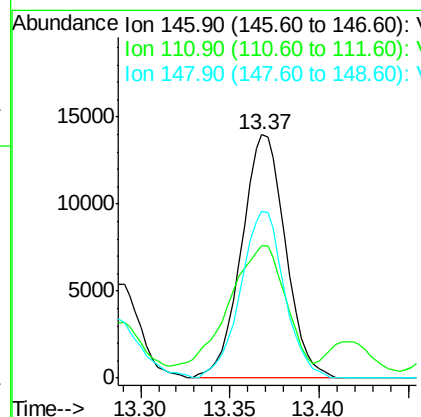
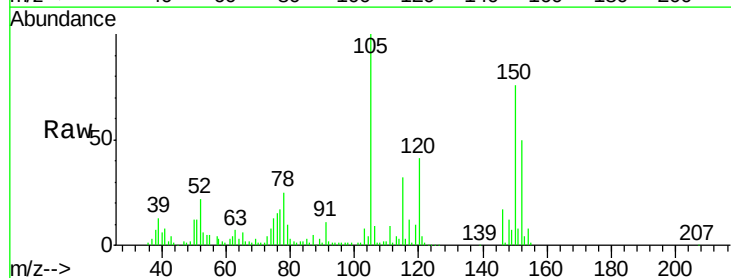
Manual Integrations
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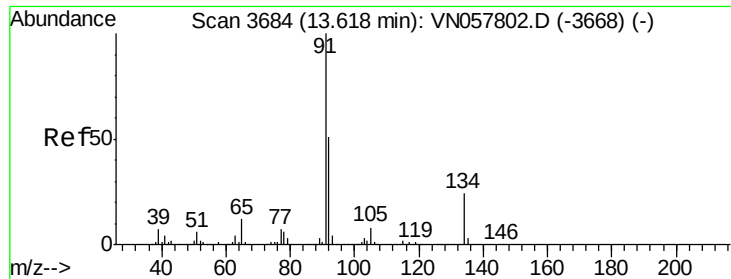
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#88
 1,4-Dichlorobenzene
 Concen: 2.255 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058141.D
 Acq: 17 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	60.6	20.4	61.2
148	68.4	31.8	95.4





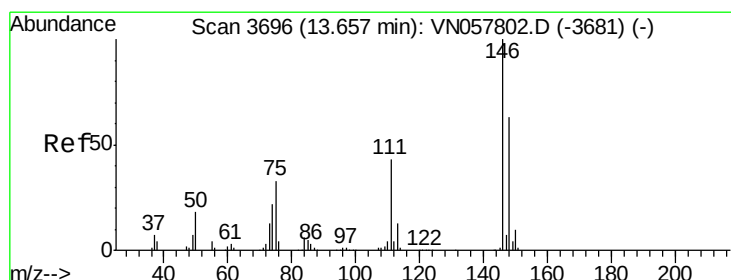
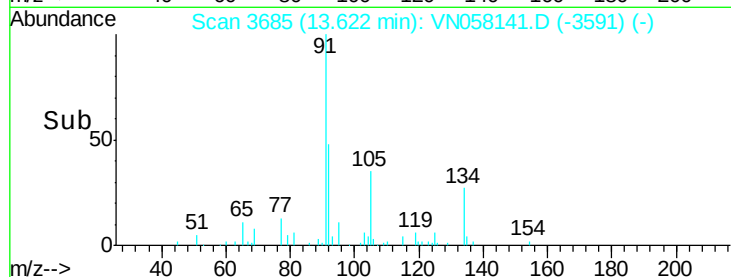
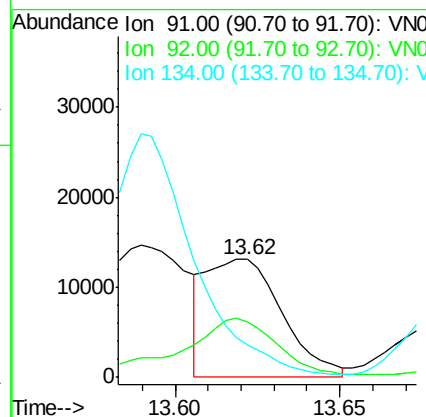
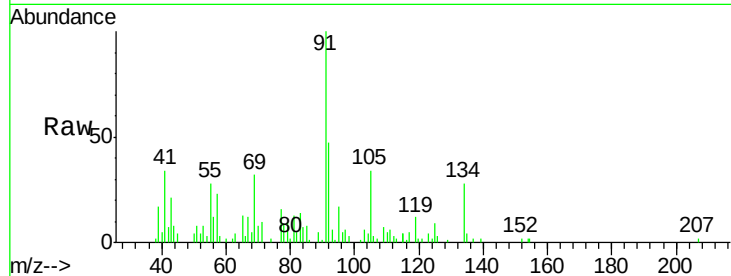
#89
n-Butylbenzene
Concen: 1.108 ug/l m
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058141.D
Acq: 17 Sep 2019 12:05

Instrument :
MSVOA_N
ClientSampled :
VE-3-1

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	229.5	11.9	35.7#

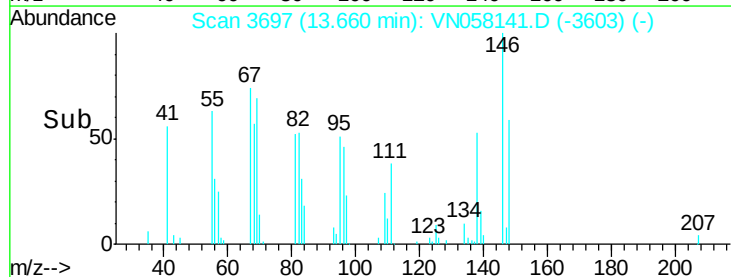
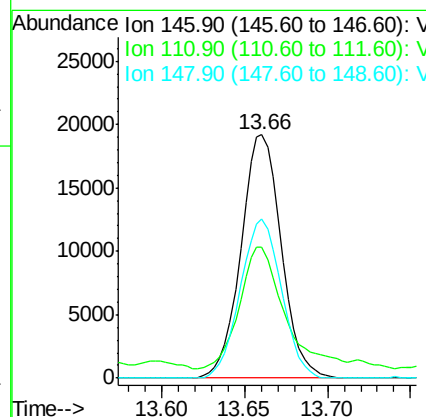
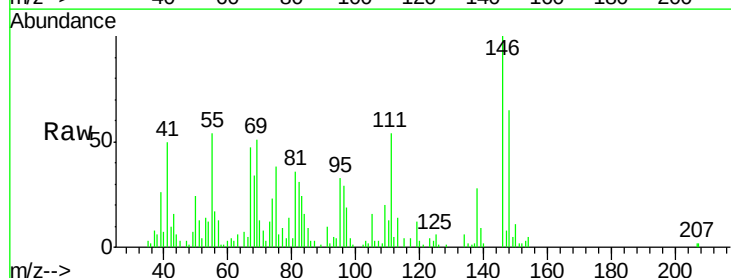
Manual Integrations
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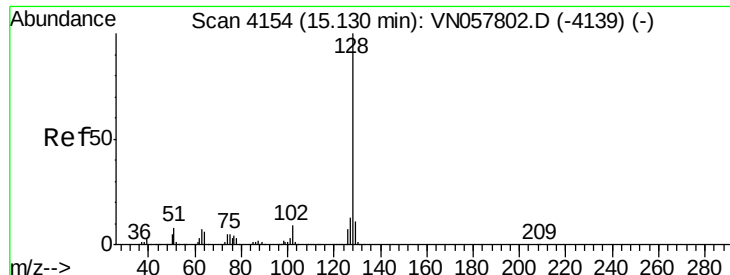
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#91
1,2-Dichlorobenzene
Concen: 3.089 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN058141.D
Acq: 17 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	55.5	21.3	63.9
148	66.6	31.4	94.3





#95
Naphthalene
Concen: 1.525 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058141.D
Acq: 17 Sep 2019 12:05

Instrument :
MSVOA_N
ClientSampleId :
VE-3-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	19.4	10.3	15.5#
129	7.9	8.6	12.8#

Manual Integrations
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