

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052514.D
 Acq On : 28 Nov 2018 12:44
 Operator : MD\SY
 Sample : J6003-12ME
 Misc : 5.80g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-05ME

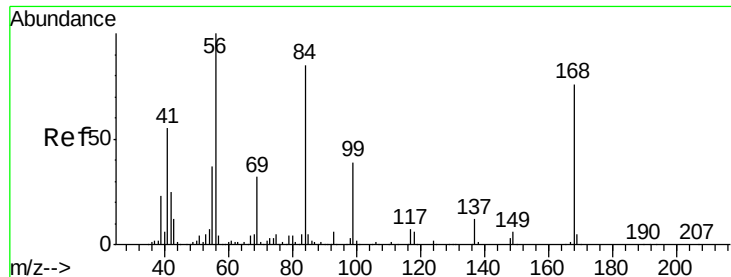
Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 9:34:11 AM

Quant Time: Nov 28 13:46:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1361469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2028385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1659777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	847207	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	672222	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	
35) Dibromofluoromethane	7.59	113	607954	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
50) Toluene-d8	10.09	98	2772929	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
62) 4-Bromofluorobenzene	12.40	95	990526	60.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.12%	
Target Compounds						
						Qvalue
39) Methylcyclohexane	9.08	83	10609128	455.686	ug/l #	85
40) Benzene	8.03	78	26752922m	468.656	ug/l	
52) Toluene	10.14	92	31197744m	919.846	ug/l	
67) Ethyl Benzene	11.50	91	23395399m	390.359	ug/l	
68) m/p-Xylenes	11.61	106	26899965m	1205.650	ug/l	
69) o-Xylene	11.94	106	18391185m	848.831	ug/l	
73) Isopropylbenzene	12.25	105	4630597	69.666	ug/l	99
78) n-propylbenzene	12.58	91	17866081m	236.602	ug/l	
80) 1,3,5-Trimethylbenzene	12.72	105	18892662m	356.388	ug/l	
84) 1,2,4-Trimethylbenzene	13.03	105	25046622m	471.453	ug/l	
85) sec-Butylbenzene	13.17	105	1552337	24.116	ug/l #	45
86) p-Isopropyltoluene	13.24	119	2249265	41.026	ug/l	97
89) n-Butylbenzene	13.62	91	3208957	70.379	ug/l #	68
95) Naphthalene	15.13	128	7187045	213.299	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052514.D

Acq: 28 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

AOC2-05ME

Tot Ion:168 Resp: 1361469

Ion Ratio Lower Upper

168 100

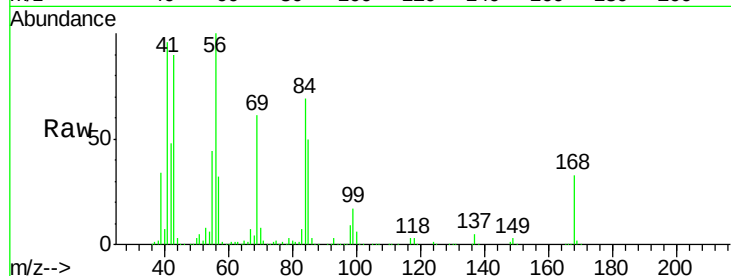
99 52.6 41.7 62.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

100000

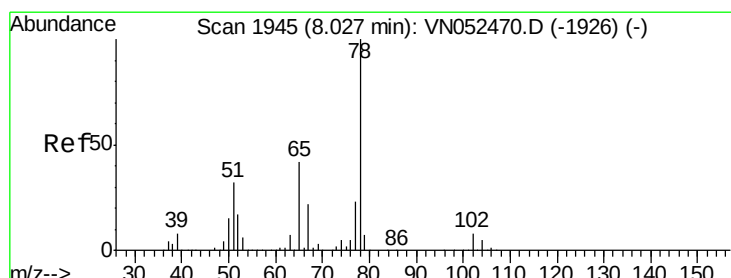
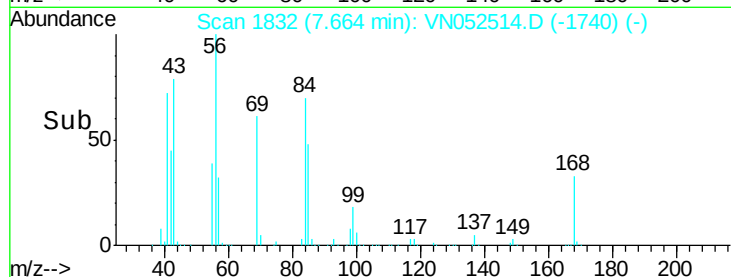
0

7.66

7.70

7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052514.D

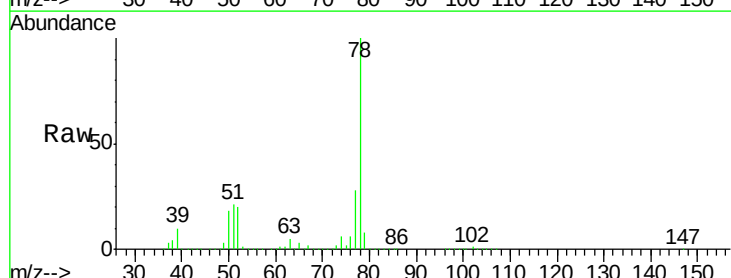
Acq: 28 Nov 2018 12:44

Tgt Ion: 65 Resp: 672222

Ion Ratio Lower Upper

65 100

67 58.9 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

800000

600000

400000

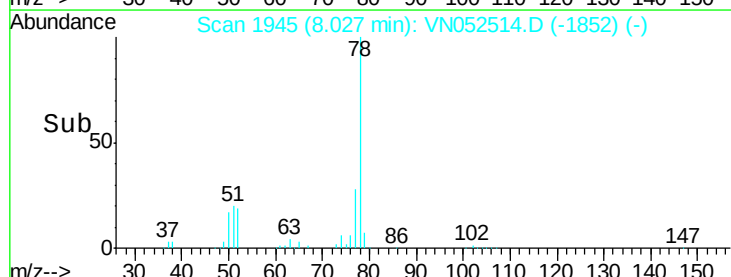
200000

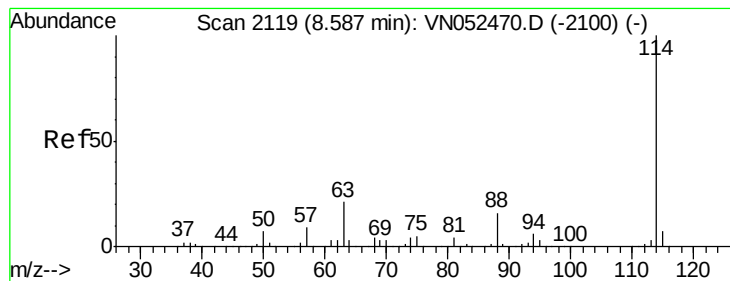
0

8.03

8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052514.D

Acq: 28 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

AOC2-05ME

Tot Ion:114 Resp: 2028385

Ion Ratio Lower Upper

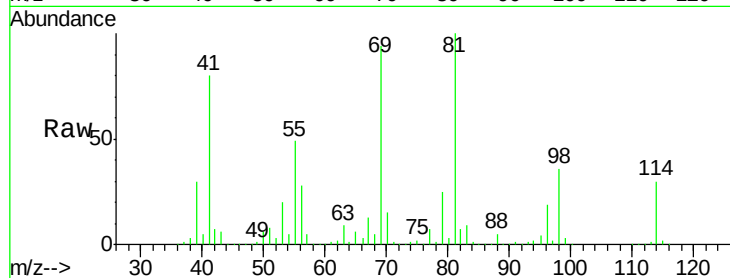
114 100

63 28.1 0.0 41.8

88 15.7 0.0 31.6

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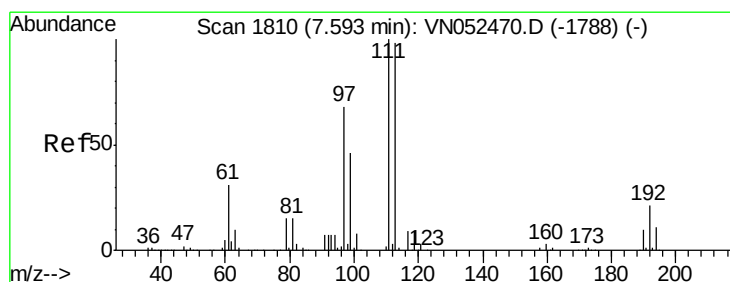
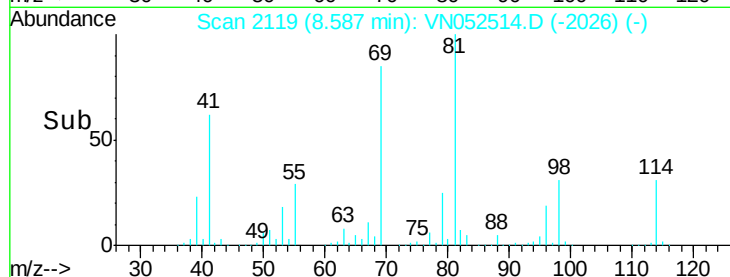
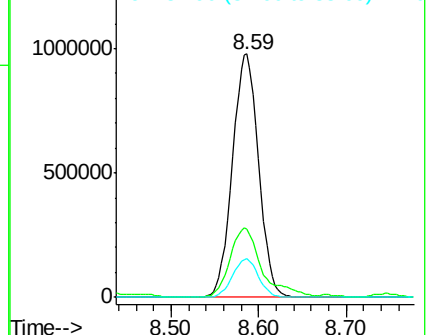
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052514.D

Acq: 28 Nov 2018 12:44

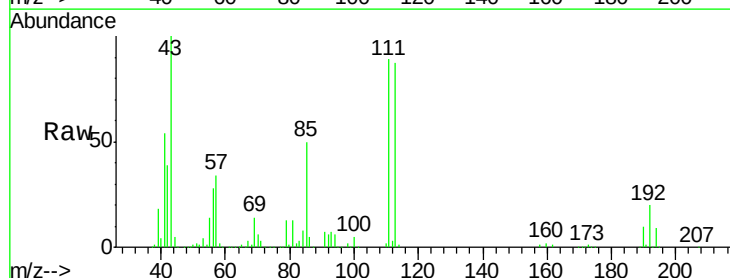
Tgt Ion:113 Resp: 607954

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

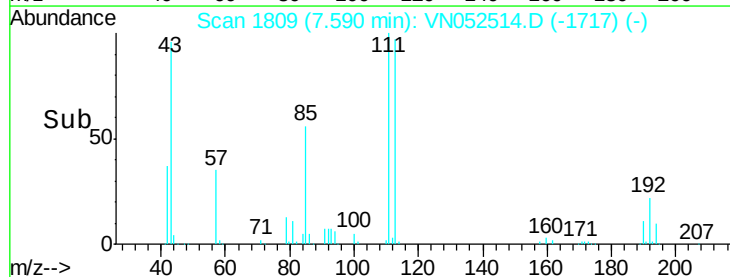
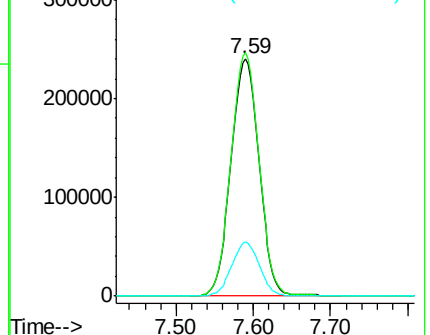
192 22.2 17.0 25.6

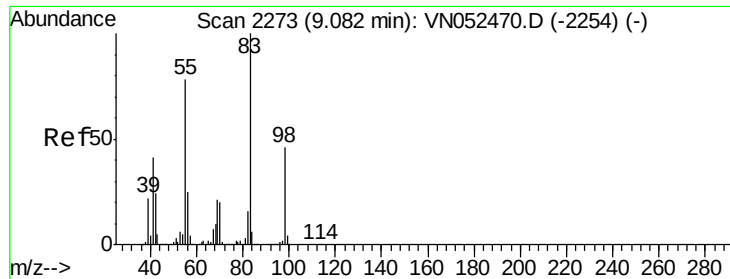


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





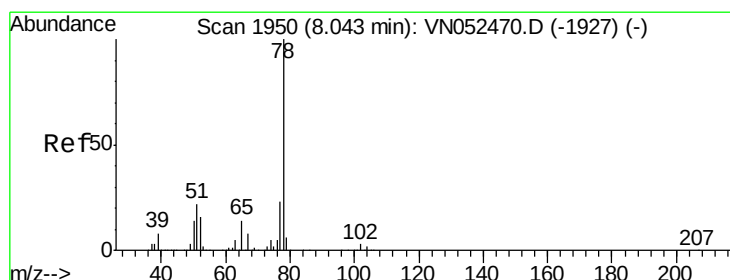
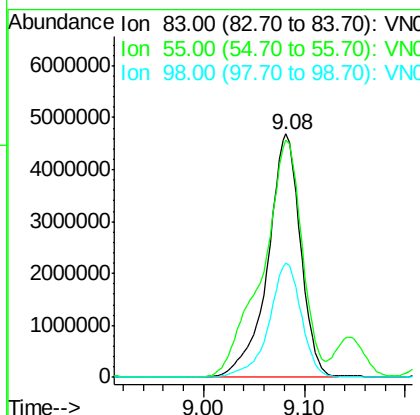
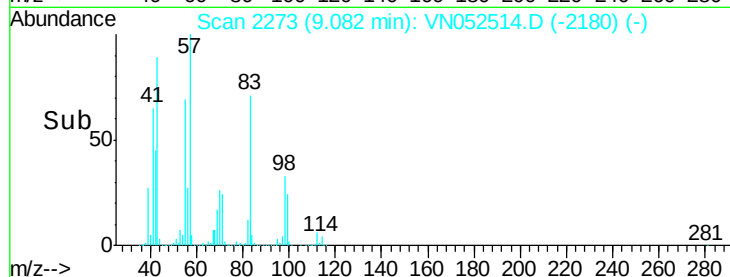
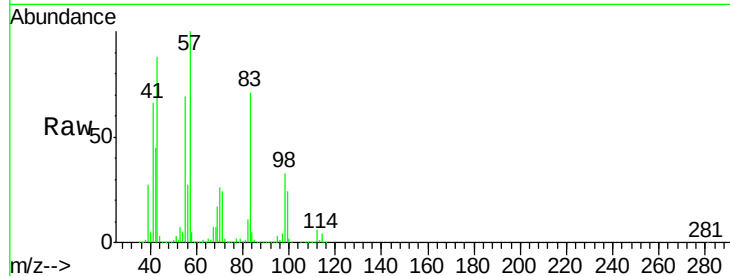
#39
Methylcyclohexane
Concen: 455.686 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052514.D
Acq: 28 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
AOC2-05ME

Tot Ion: 83 Resp:10609128
Ion Ratio Lower Upper
83 100
55 97.7 62.2 93.2#
98 47.0 36.4 54.6

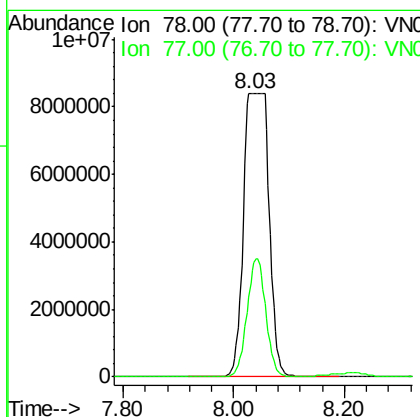
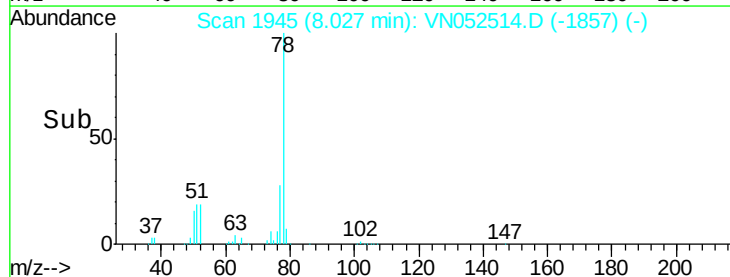
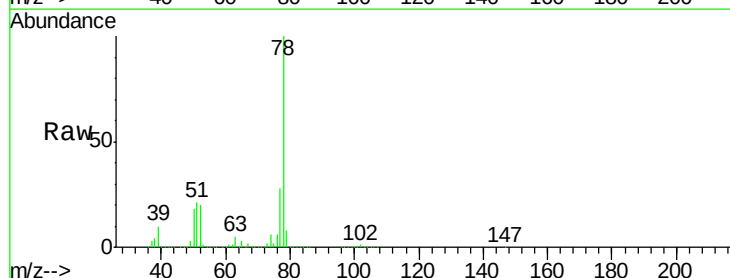
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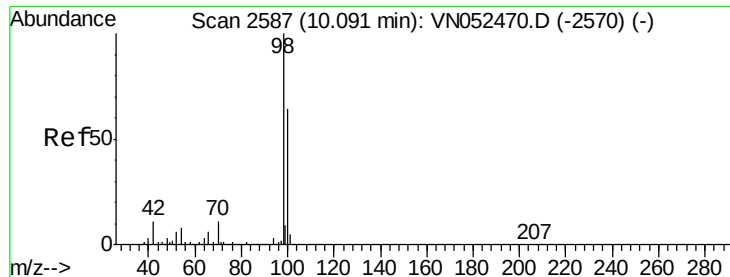
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#40
Benzene
Concen: 468.656 ug/l m
RT: 8.03 min Scan# 1945
Delta R.T. -0.02 min
Lab File: VN052514.D
Acq: 28 Nov 2018 12:44

Tgt Ion: 78 Resp:26752922
Ion Ratio Lower Upper
78 100
77 28.3 18.8 28.2#





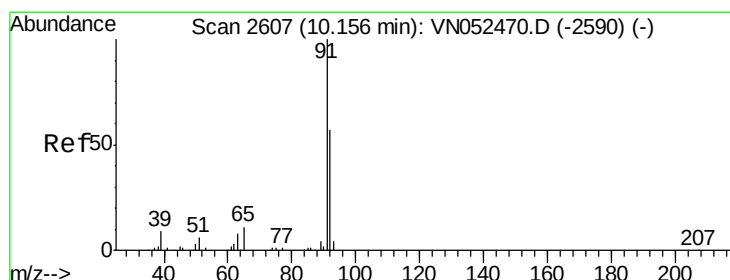
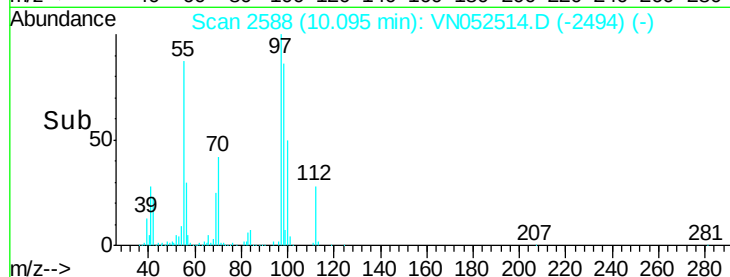
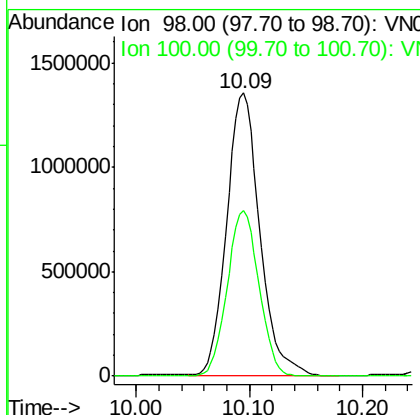
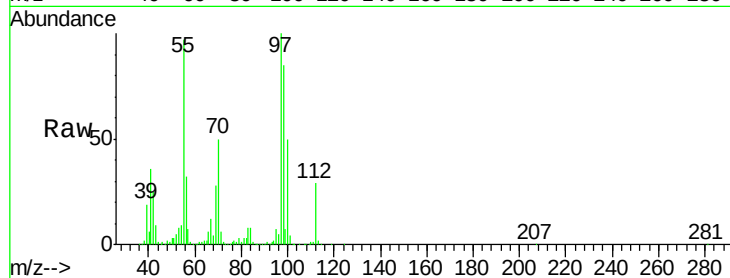
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN052514.D
Acq: 28 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
AOC2-05ME

Tot Ion: 98 Resp: 2772929
Ion Ratio Lower Upper
98 100
100 55.8 51.3 76.9

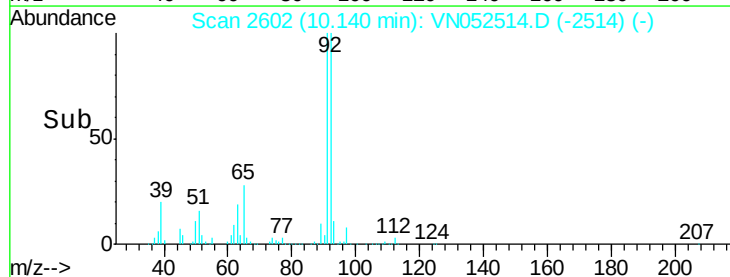
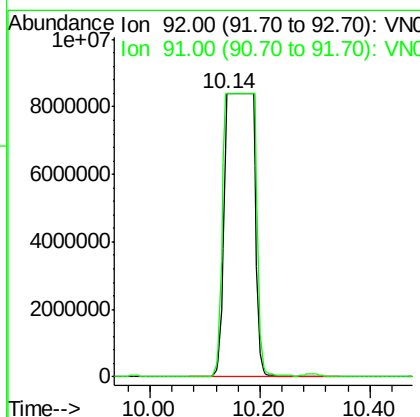
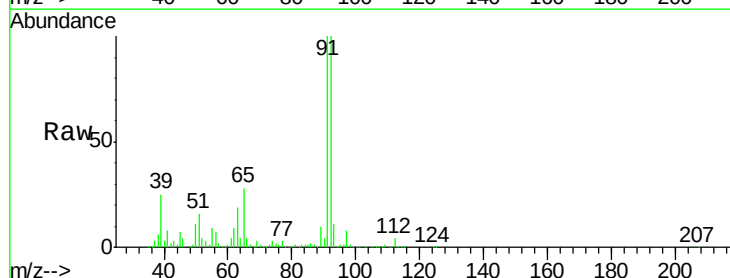
Manual Integrations
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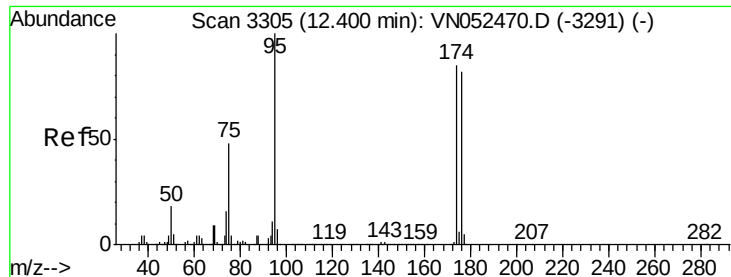
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#52
Toluene
Concen: 919.846 ug/l m
RT: 10.14 min Scan# 2602
Delta R.T. -0.02 min
Lab File: VN052514.D
Acq: 28 Nov 2018 12:44

Tgt Ion: 92 Resp: 31197744
Ion Ratio Lower Upper
92 100
91 0.0 141.0 211.4#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052514.D

Acq: 28 Nov 2018 12:44

Instrument :

MSVOA_N

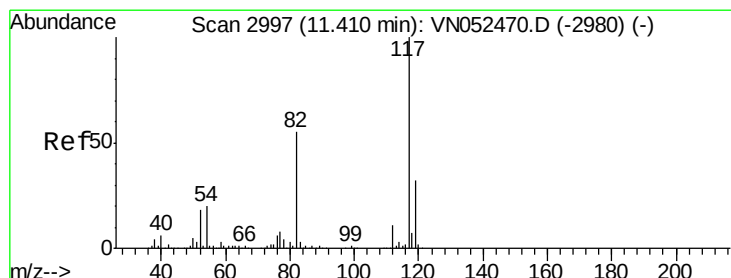
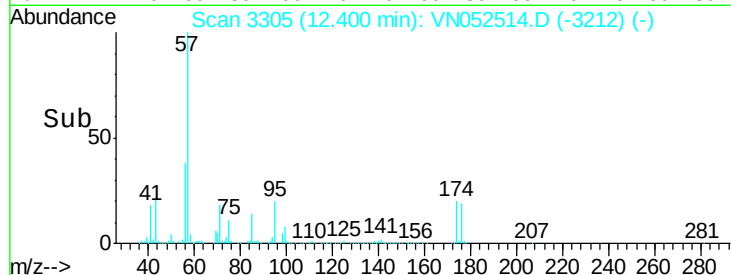
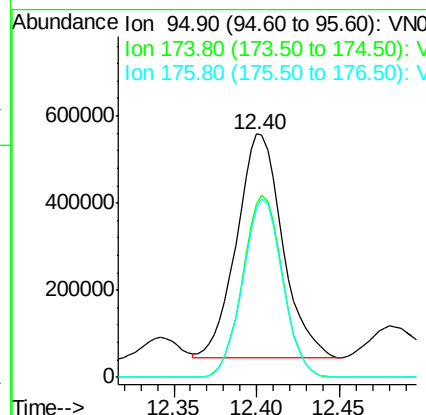
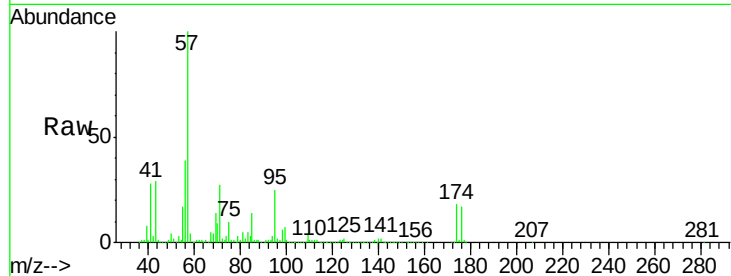
ClientSampleId :

AOC2-05ME

Tot Ion:	95	Resp:	990526
Ion Ratio	Lower	Upper	
95	100		
174	70.6	0.0	173.0
176	69.1	0.0	166.2

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

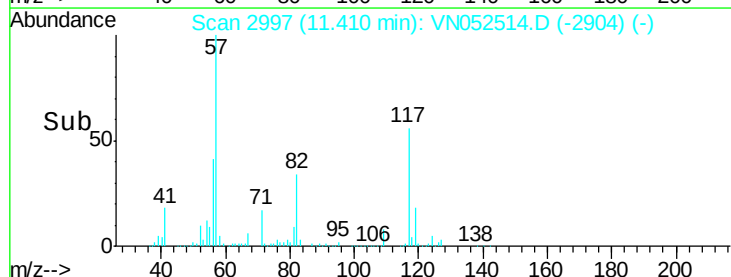
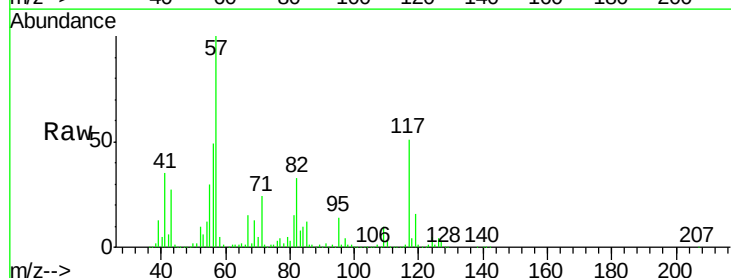
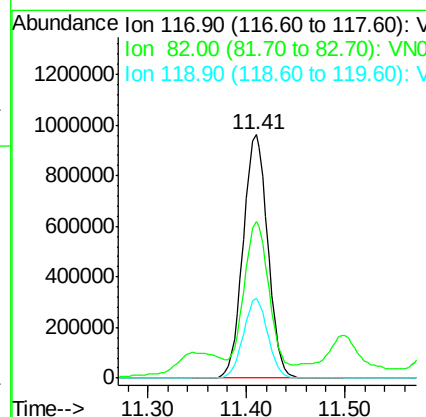
RT: 11.41 min Scan# 2997

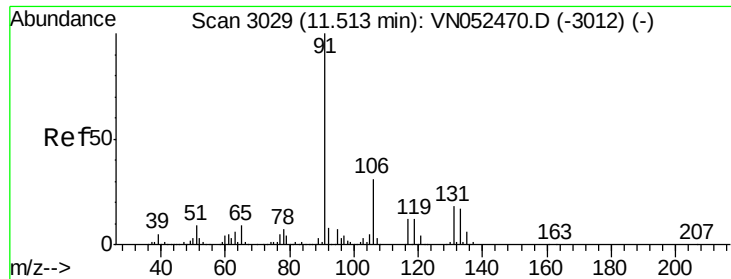
Delta R.T. -0.00 min

Lab File: VN052514.D

Acq: 28 Nov 2018 12:44

Tgt Ion:	117	Resp:	1659777
Ion Ratio	Lower	Upper	
117	100		
82	53.9	43.6	65.4
119	32.5	25.4	38.2





#67

Ethyl Benzene

Concen: 390.359 ug/l m

RT: 11.50 min Scan# 3024

Delta R.T. -0.02 min

Lab File: VN052514.D

Acq: 28 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

AOC2-05ME

Tot Ion: 91 Resp:23395399

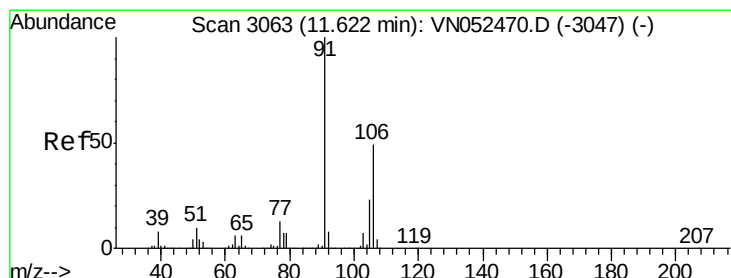
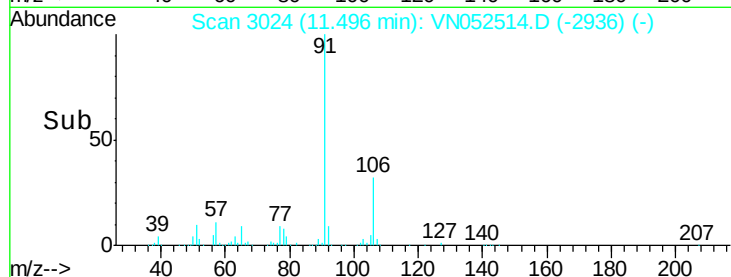
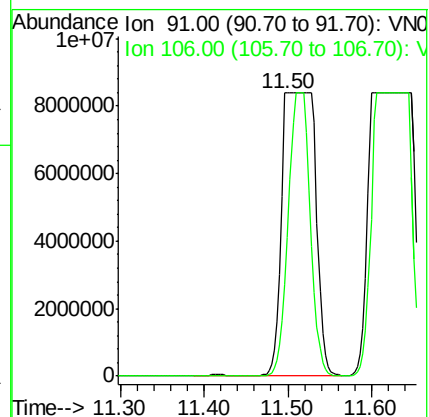
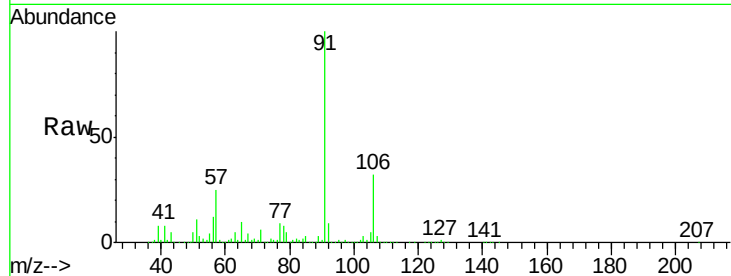
Ion Ratio Lower Upper

91 100

106 32.2 24.9 37.3

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#68

m/p-Xylenes

Concen: 1205.650 ug/l m

RT: 11.61 min Scan# 3058

Delta R.T. -0.02 min

Lab File: VN052514.D

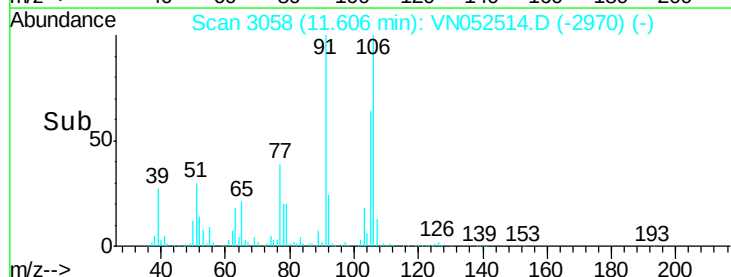
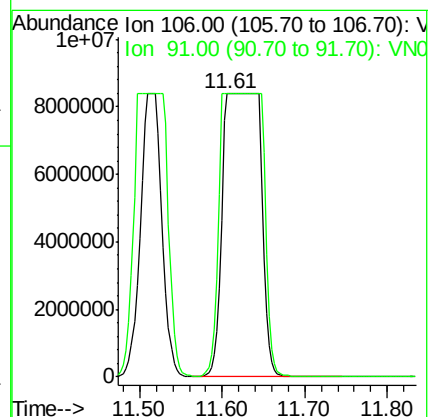
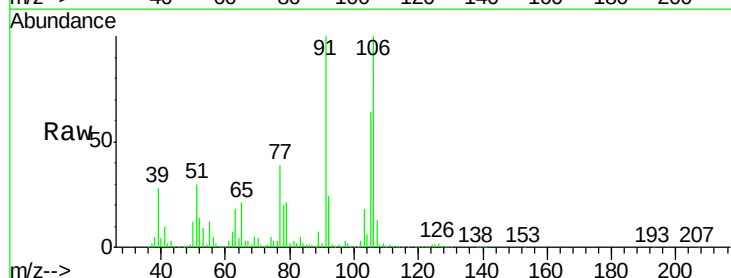
Acq: 28 Nov 2018 12:44

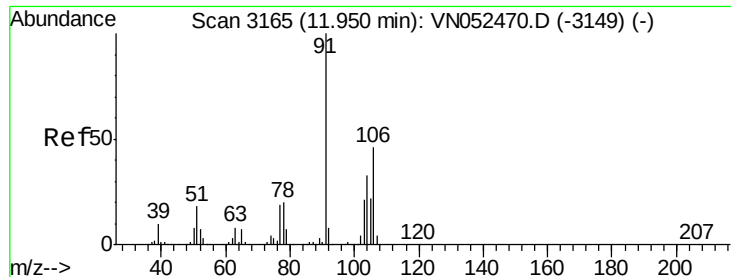
Tgt Ion:106 Resp:26899965

Ion Ratio Lower Upper

106 100

91 0.0 163.2 244.8#





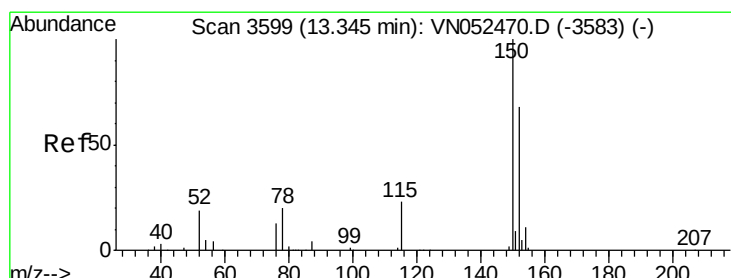
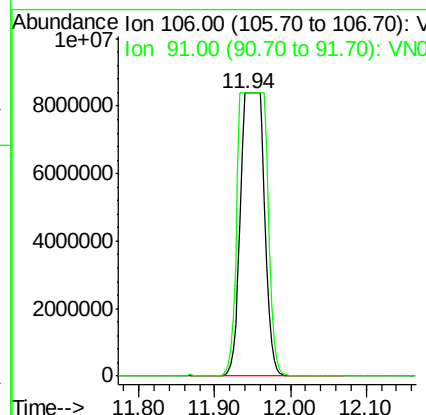
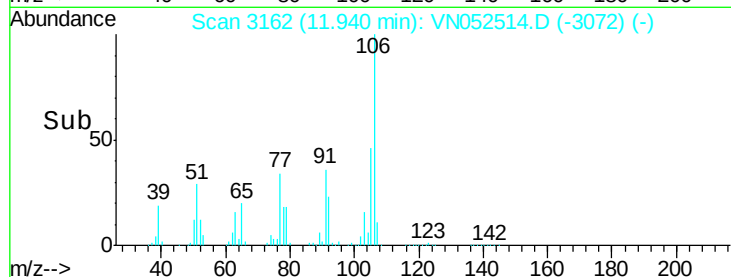
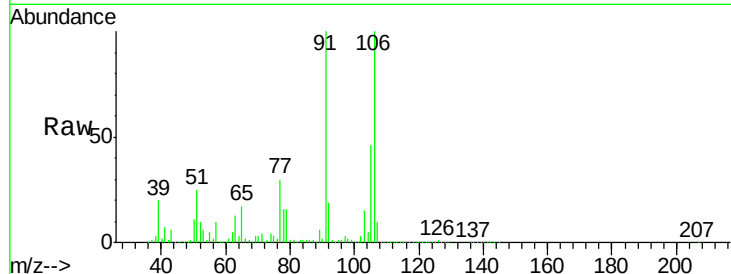
#69
o-Xylene
Concen: 848.831 ug/l m
RT: 11.94 min Scan# 3162
Delta R.T. -0.01 min
Lab File: VN052514.D
Acq: 28 Nov 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
AOC2-05ME

Tot Ion:106 Resp:18391185
Ion Ratio Lower Upper
106 100
91 0.0 107.7 323.1#

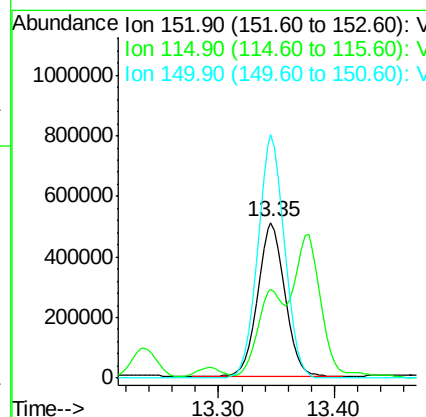
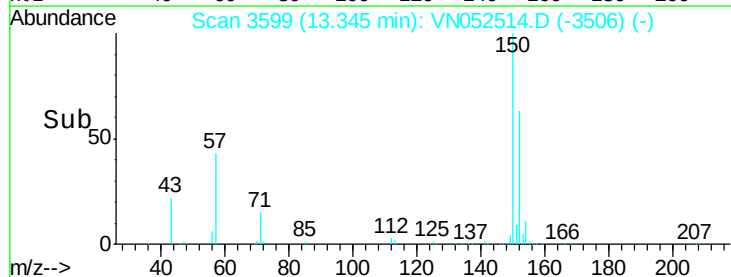
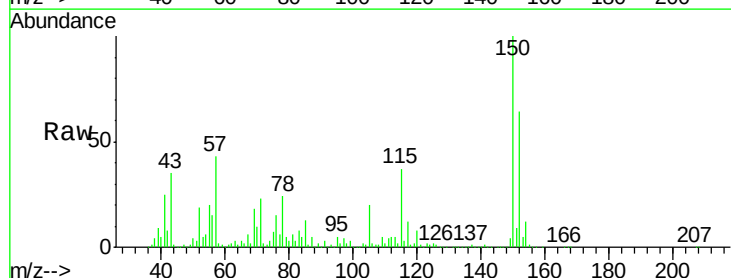
Manual Integrations
APPROVED

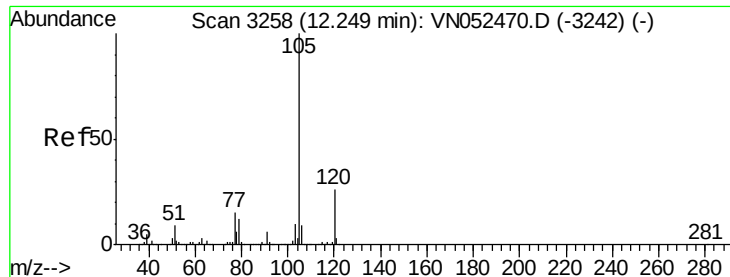
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052514.D
Acq: 28 Nov 2018 12:44

Tgt Ion:152 Resp: 847207
Ion Ratio Lower Upper
152 100
115 52.5 28.4 85.2
150 152.2 0.0 346.0





#73

Isopropylbenzene

Concen: 69.666 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052514.D

Acq: 28 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

AOC2-05ME

Tot Ion:105 Resp: 4630597

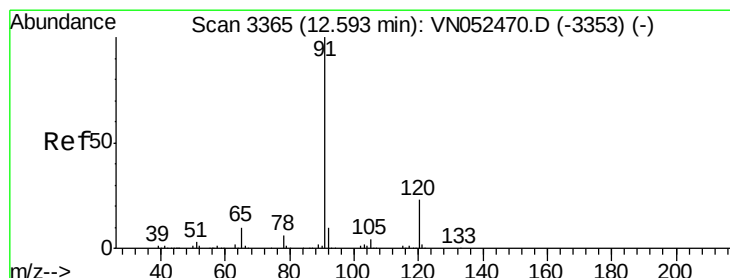
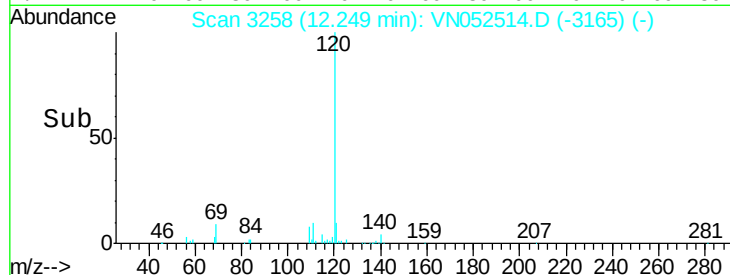
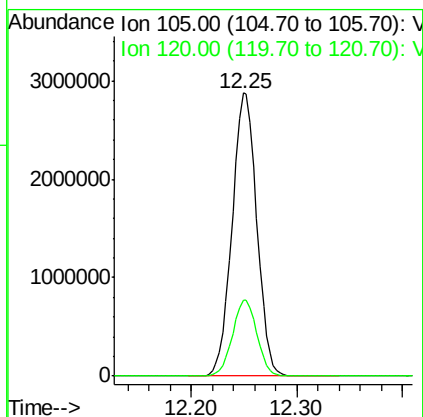
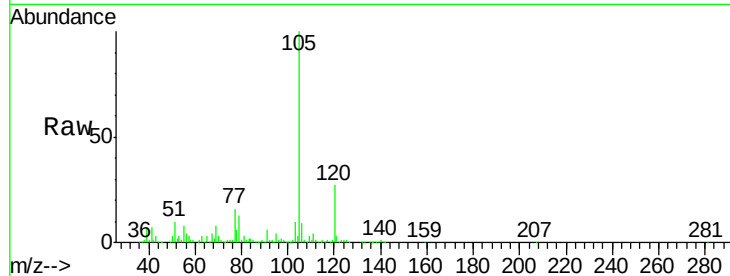
Ion Ratio Lower Upper

105 100

120 26.7 13.1 39.3

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#78

n-propylbenzene

Concen: 236.602 ug/l m

RT: 12.58 min Scan# 3362

Delta R.T. -0.01 min

Lab File: VN052514.D

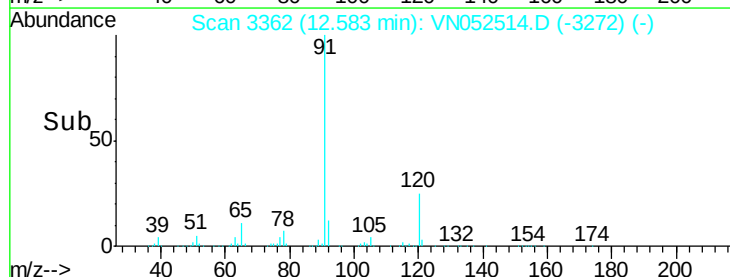
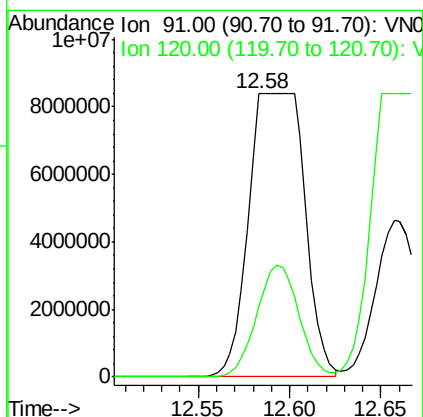
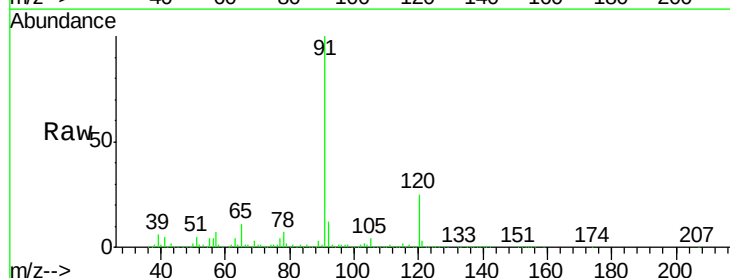
Acq: 28 Nov 2018 12:44

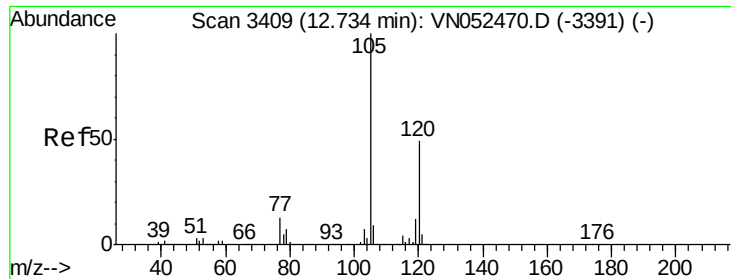
Tgt Ion: 91 Resp:17866081

Ion Ratio Lower Upper

91 100

120 0.0 11.3 33.9#





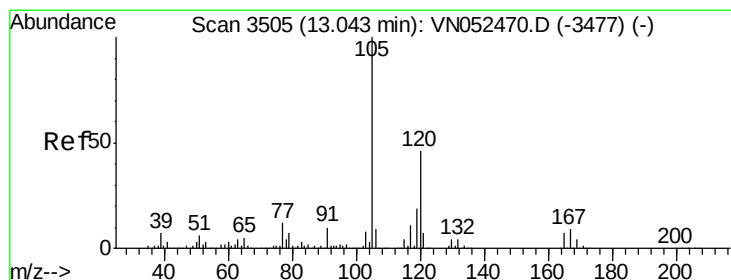
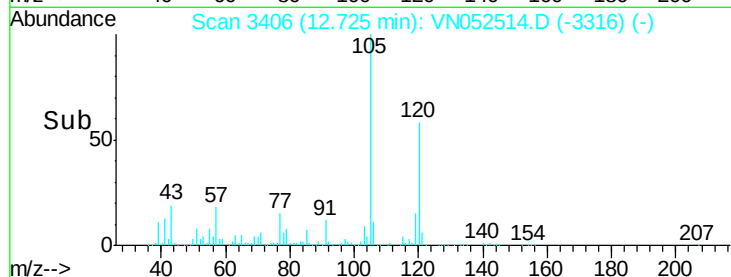
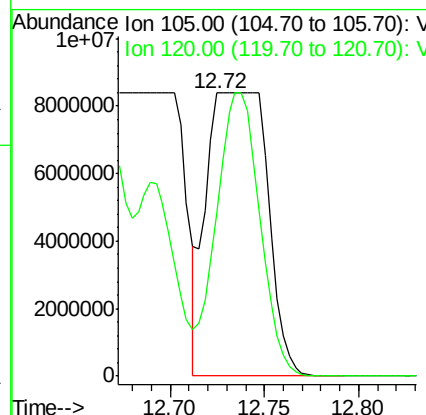
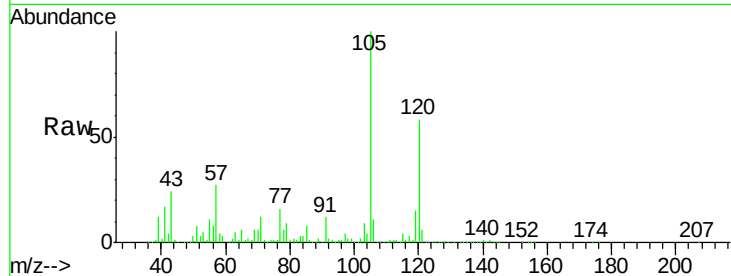
#80
 1,3,5-Trimethylbenzene
 Concen: 356.388 ug/l m
 RT: 12.72 min Scan# 3406
 Delta R.T. -0.01 min
 Lab File: VN052514.D
 Acq: 28 Nov 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-05ME

Tot Ion:105 Resp:18892662
 Ion Ratio Lower Upper
 105 100
 120 71.6 24.3 73.0

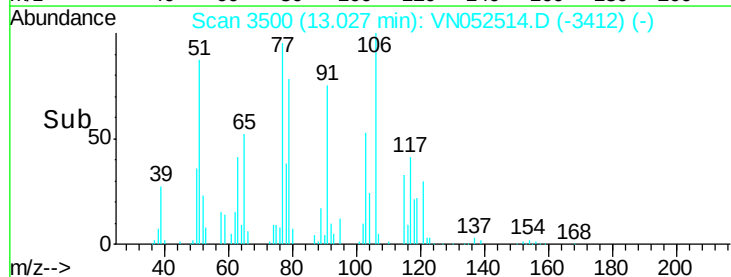
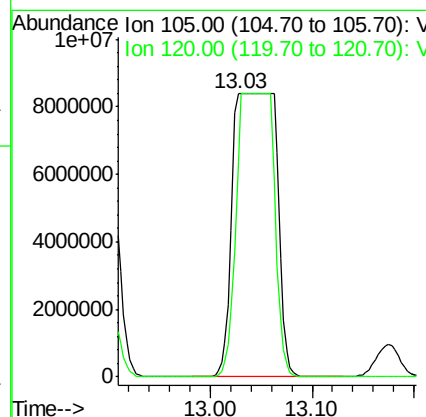
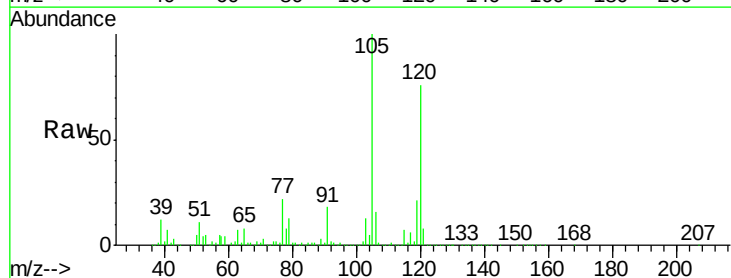
Manual Integrations
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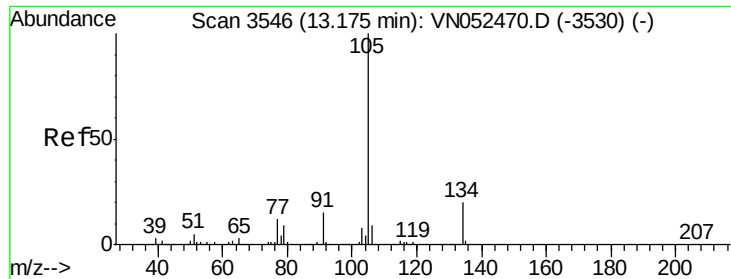
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 471.453 ug/l m
 RT: 13.03 min Scan# 3500
 Delta R.T. -0.02 min
 Lab File: VN052514.D
 Acq: 28 Nov 2018 12:44

Tgt Ion:105 Resp:25046622
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.8 68.4#





#85

sec-Butylbenzene

Concen: 24.116 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052514.D

Acq: 28 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

AOC2-05ME

Tot Ion:105 Resp: 1552337

Ion Ratio Lower Upper

105 100

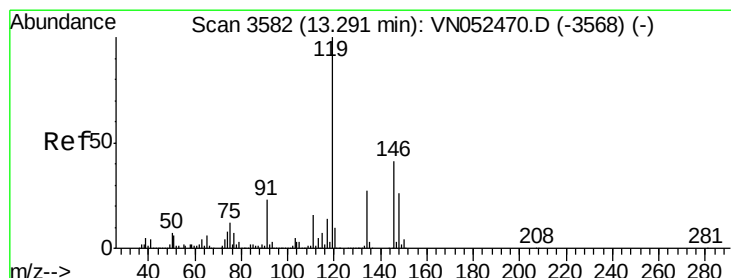
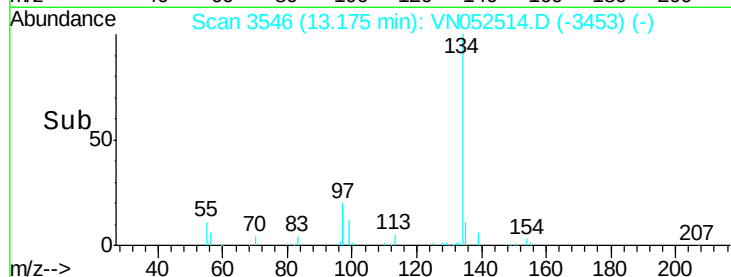
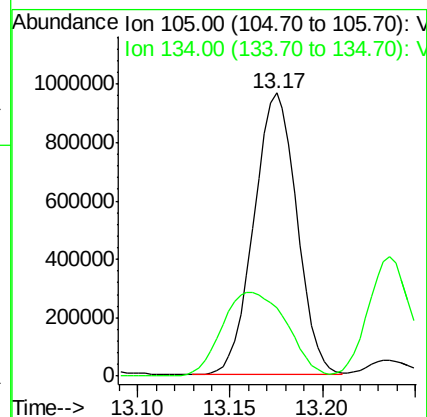
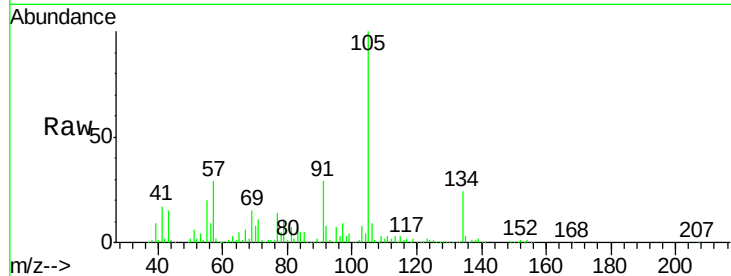
134 44.9 9.9 29.7#

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 41.026 ug/l

RT: 13.24 min Scan# 3565

Delta R.T. -0.05 min

Lab File: VN052514.D

Acq: 28 Nov 2018 12:44

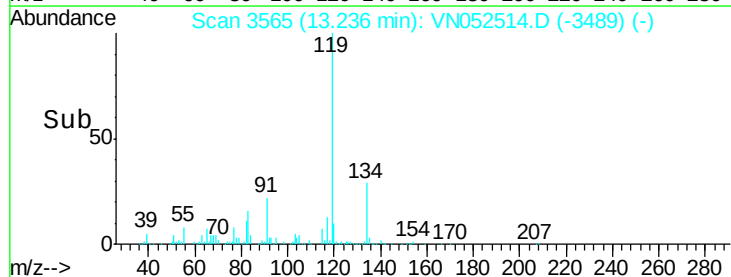
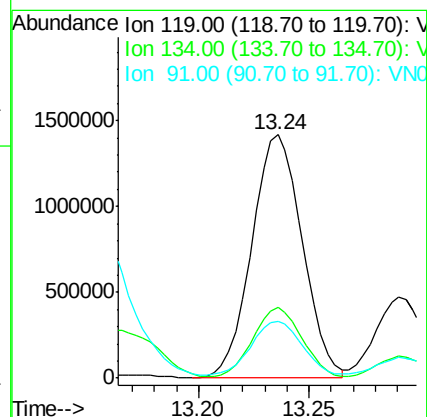
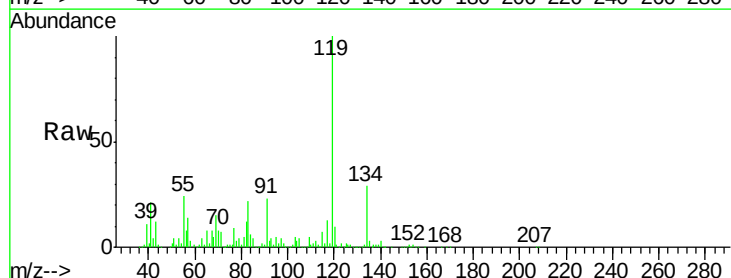
Tgt Ion:119 Resp: 2249265

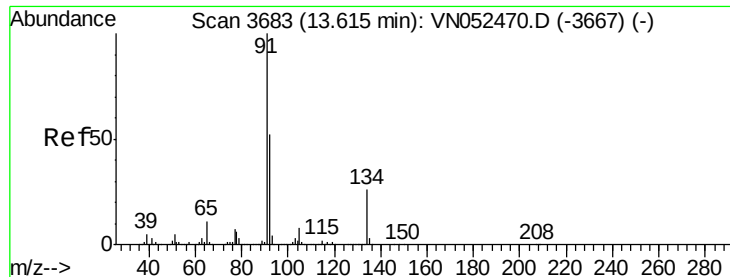
Ion Ratio Lower Upper

119 100

134 28.7 13.4 40.2

91 22.0 11.4 34.2





#89

n-Butylbenzene

Concen: 70.379 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052514.D

Acq: 28 Nov 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

AOC2-05ME

Tot Ion: 91 Resp: 3208957

Ion Ratio Lower Upper

91 100

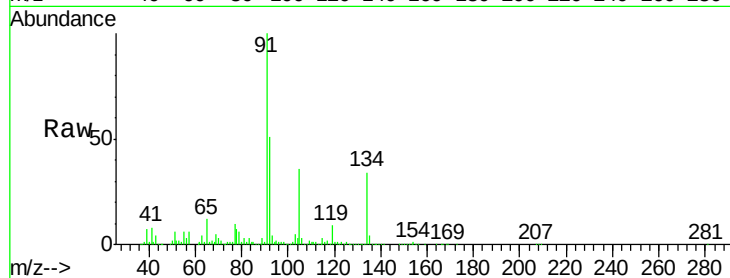
92 67.9 26.1 78.3

134 0.0 13.0 38.9#

Manual Integrations
APPROVED

MMDadoda

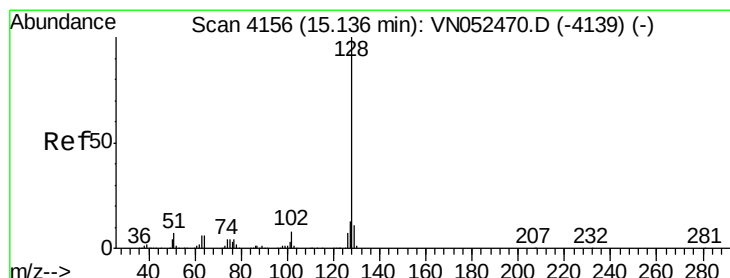
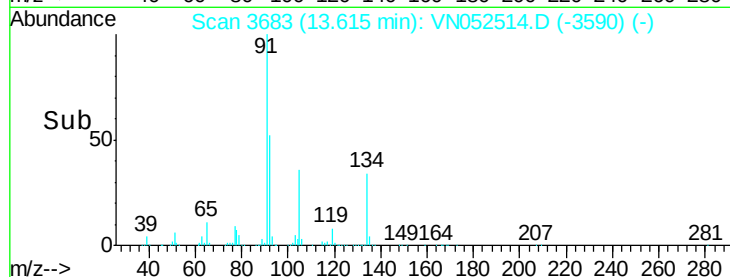
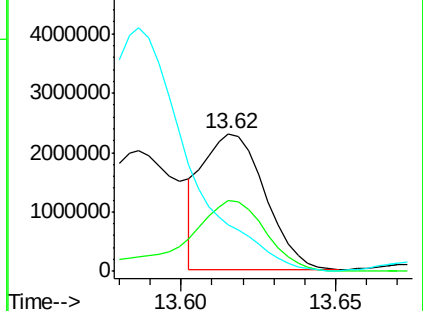
11/29/2018 9:34:11 AM



Abundance Ion 91.00 (90.70 to 91.70): VN052514.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN052514.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN052514.D (-3590) (-)



#95

Naphthalene

Concen: 213.299 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052514.D

Acq: 28 Nov 2018 12:44

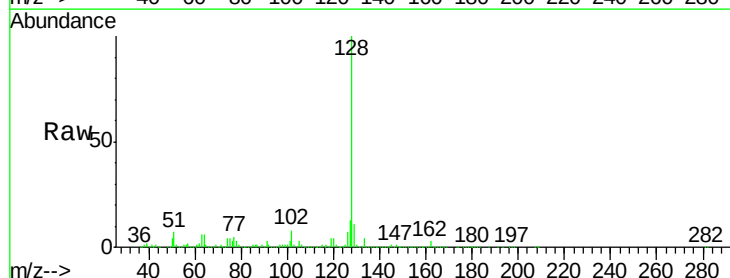
Tgt Ion: 128 Resp: 7187045

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VN052514.D (-4063) (-)

Ion 127.00 (126.70 to 127.70): VN052514.D (-4063) (-)

Ion 129.00 (128.70 to 129.70): VN052514.D (-4063) (-)

