Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052515.D
Acq On : 28 Nov 2018 13:10
Operator : MD\SY
Sample : J5996-01 20X
Misc : 5.86g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

Manual Integrations APPROVED
MMDadoda
11/29/2018 9:34:15 AM

Quant Time: Nov 29 00:43:27 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	7.67	168	1432393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2153778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1869157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	813316	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	697994	44.75	ug/l	0.00
Spiked Amount 50.000			Recovery = 89.50%			
35) Dibromofluoromethane	7.59	113	631361	47.55	ug/l	0.00
Spiked Amount 50.000			Recovery = 95.10%			
50) Toluene-d8	10.09	98	2625470	50.80	ug/l	0.00
Spiked Amount 50.000			Recovery = 101.60%			
62) 4-Bromofluorobenzene	12.40	95	882515	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery = 101.62%			
Target Compounds						Qvalue
39) Methylcyclohexane	9.08	83	563500	22.794	ug/l #	81
40) Benzene	8.04	78	1746601	28.815	ug/l	99
52) Toluene	10.16	92	9518913	264.319	ug/l	95
61) 1,2-Dibromoethane	11.01	107	15841	1.259	ug/l #	2
65) Chlorobenzene	11.43	112	21799	0.566	ug/l	97
67) Ethyl Benzene	11.51	91	3905106	57.859	ug/l	100
68) m/p-Xylenes	11.62	106	5140763	204.598	ug/l	100
69) o-Xylene	11.95	106	1854606	76.009	ug/l	99
73) Isopropylbenzene	12.25	105	398586	6.246	ug/l	99
78) n-propylbenzene	12.59	91	1977977	27.286	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2384108	46.847	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	7596126	148.940	ug/l	100
85) sec-Butylbenzene	13.17	105	140622m	2.276	ug/l	
86) p-Isopropyltoluene	13.29	119	63677m	1.210	ug/l	
89) n-Butylbenzene	13.62	91	265385	6.063	ug/l #	69
95) Naphthalene	15.14	128	608388	21.935	ug/l	99

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

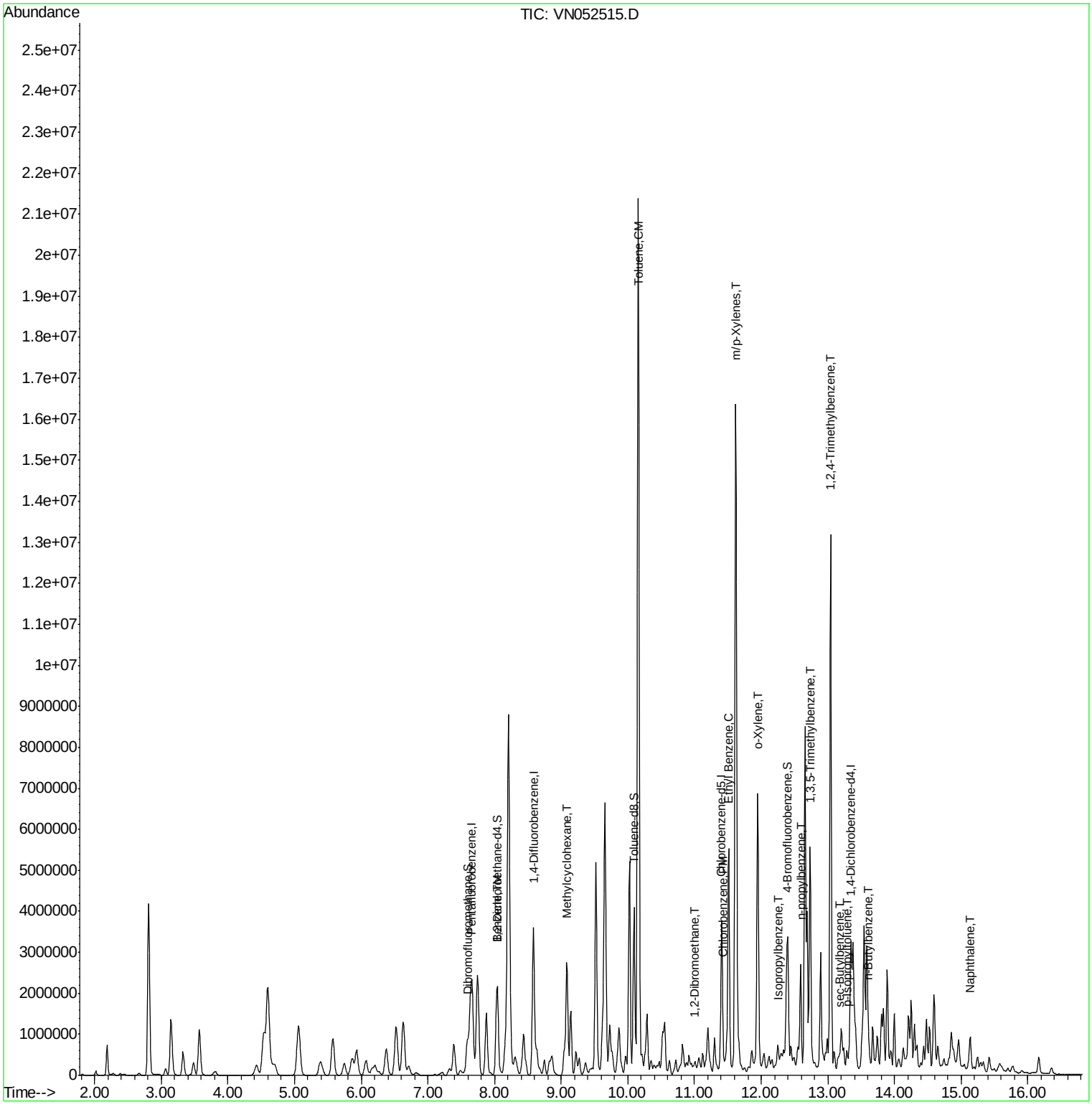
Quantitation Report (QT/LSC Reviewed)

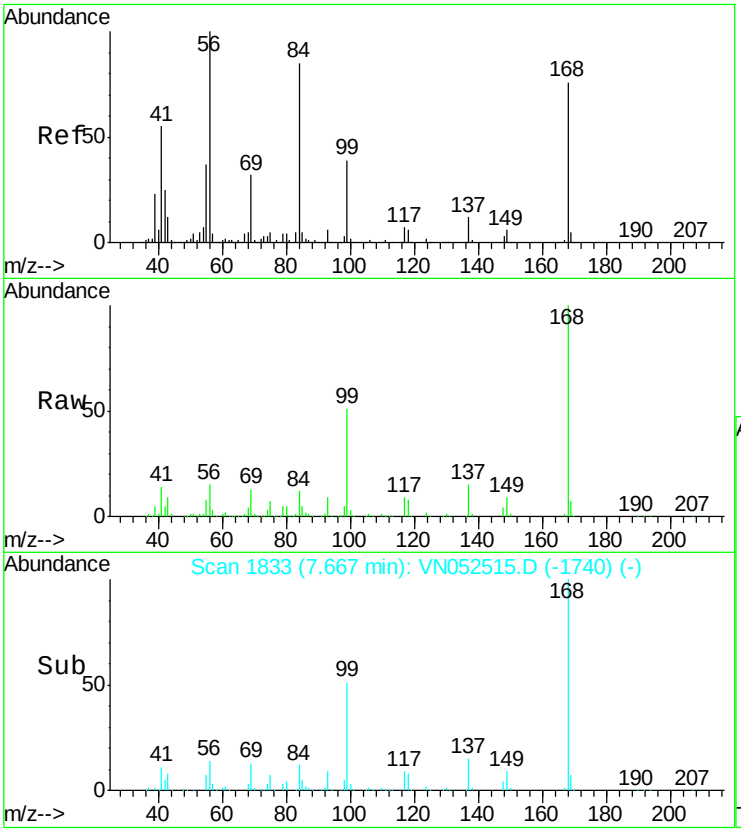
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052515.D
Acq On : 28 Nov 2018 13:10
Operator : MD\SY
Sample : J5996-01 20X
Misc : 5.86g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 28

Quant Time: Nov 29 00:43:27 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

Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

Manual Integrations APPROVED
MMDadoda
11/29/2018 9:34:15 AM

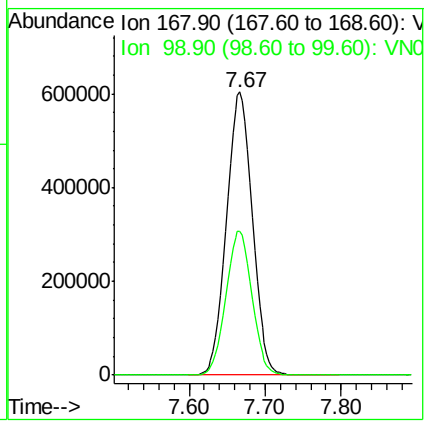




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

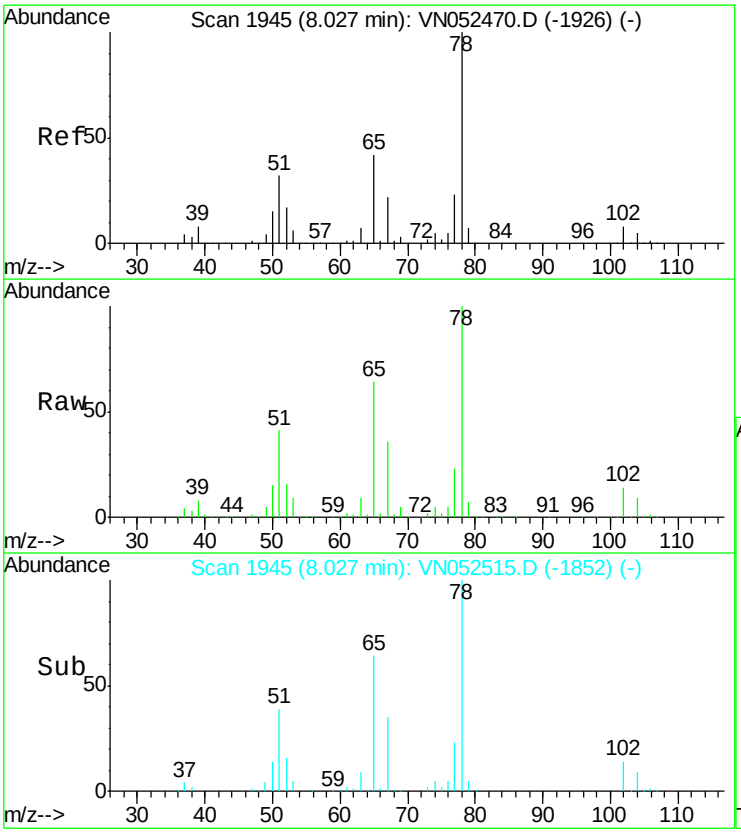
Tgt Ion:168 Resp: 1432393

Ion	Ratio	Lower	Upper
168	100		
99	51.0	41.7	62.5



Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

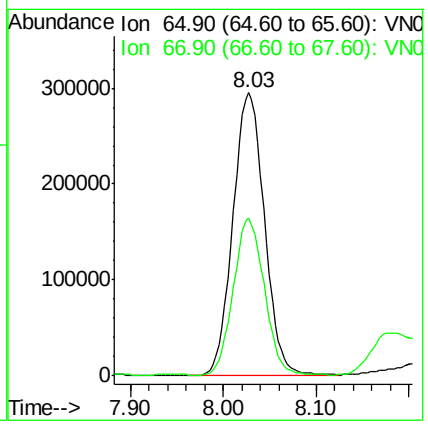
Manual Integrations APPROVED
MMDadoda
11/29/2018 9:34:15 AM

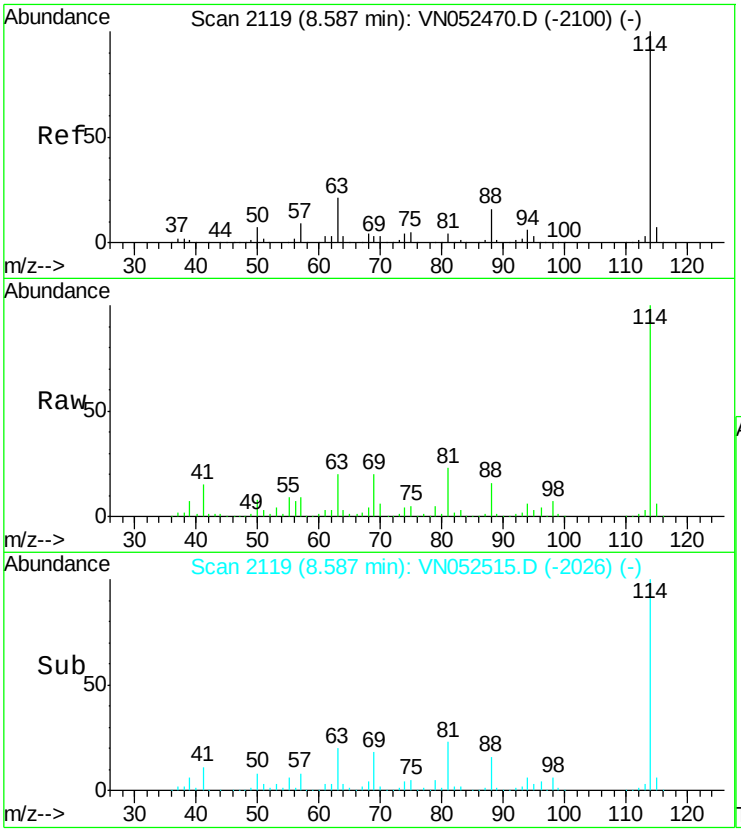


#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion: 65 Resp: 697994

Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	109.8

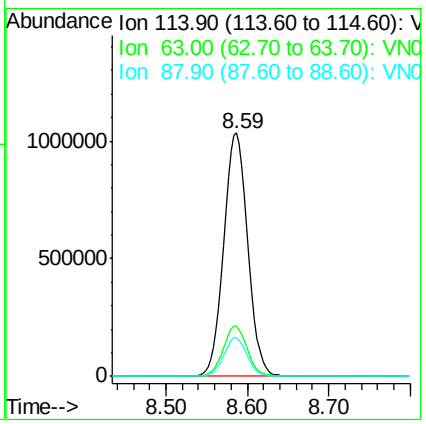




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

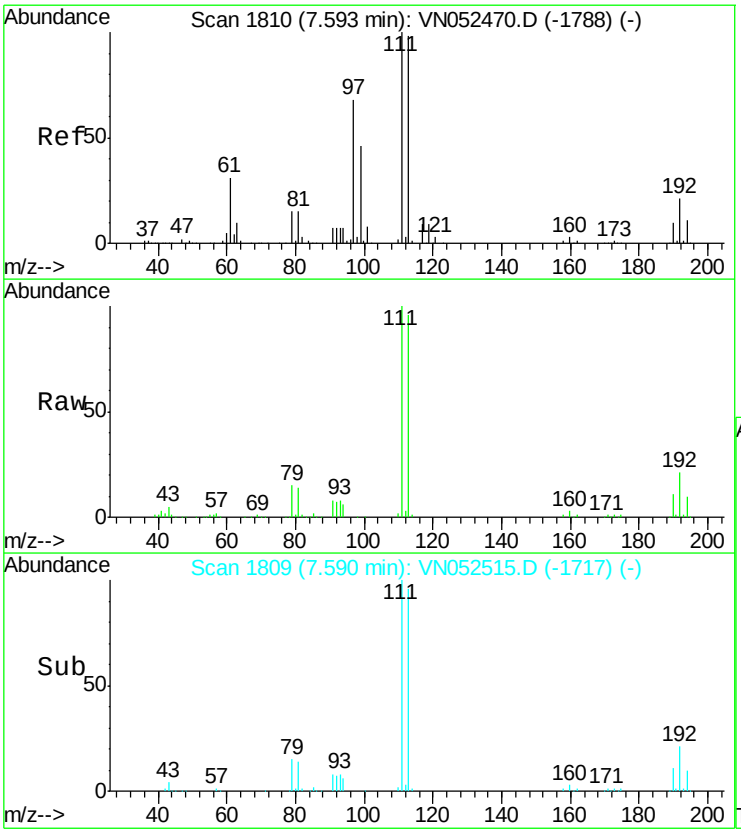
Tgt Ion:114 Resp: 2153778

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.8
88	15.7	0.0	31.6



Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

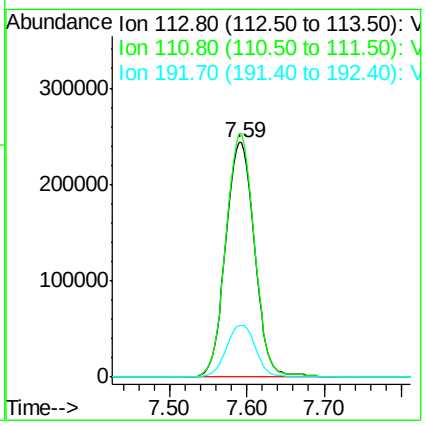
Manual Integrations APPROVED
MMDadoda
11/29/2018 9:34:15 AM

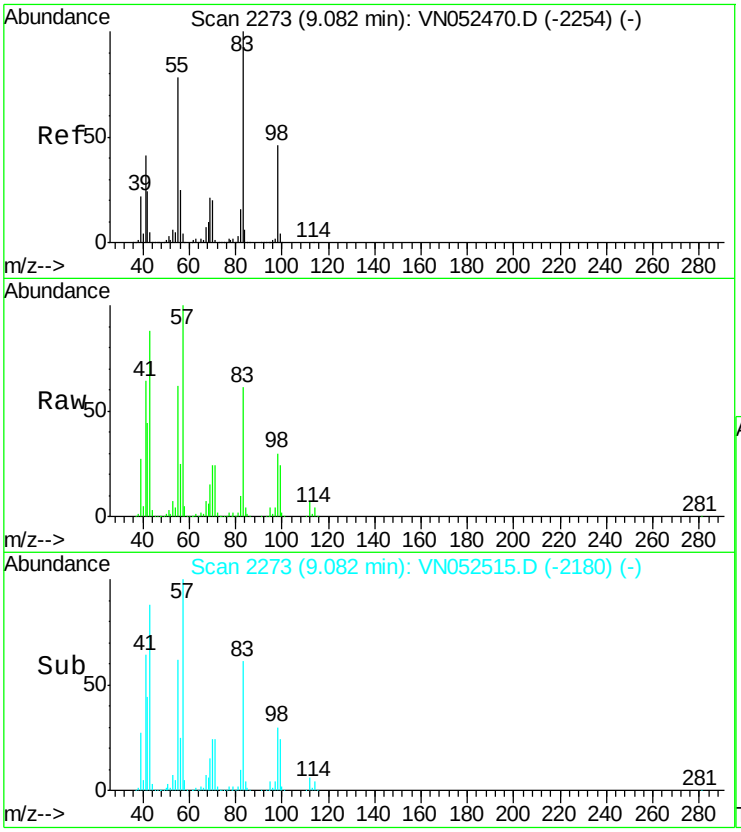


#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion:113 Resp: 631361

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	22.3	17.0	25.6

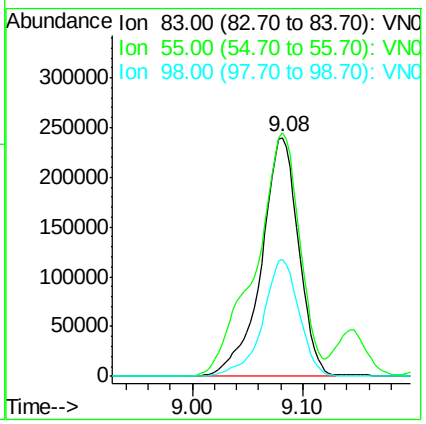




#39
Methylcyclohexane
Concen: 22.794 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

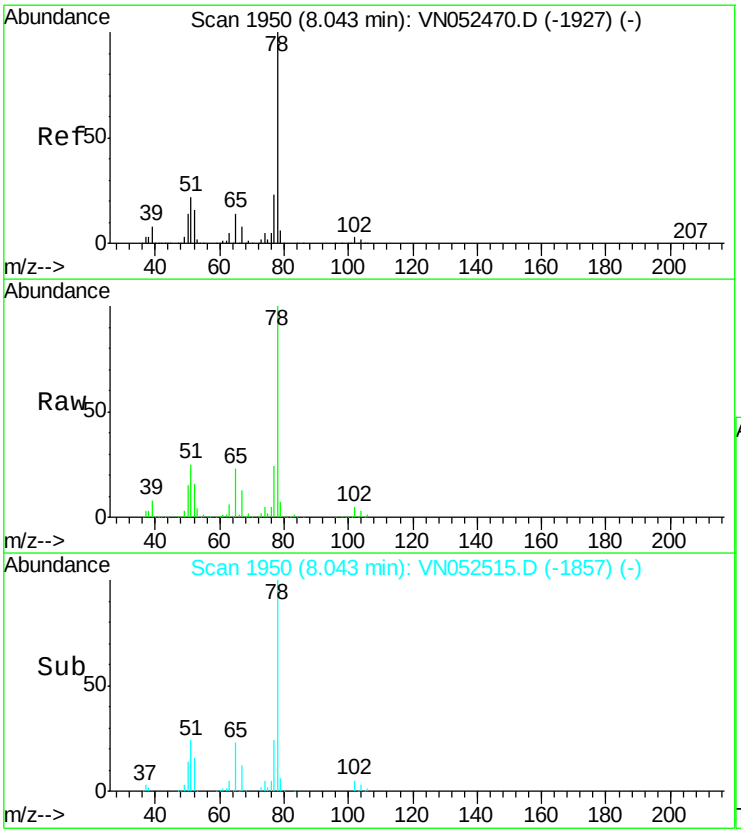
Tgt Ion: 83 Resp: 563500

Ion	Ratio	Lower	Upper
83	100		
55	101.8	62.2	93.2#
98	48.8	36.4	54.6



Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

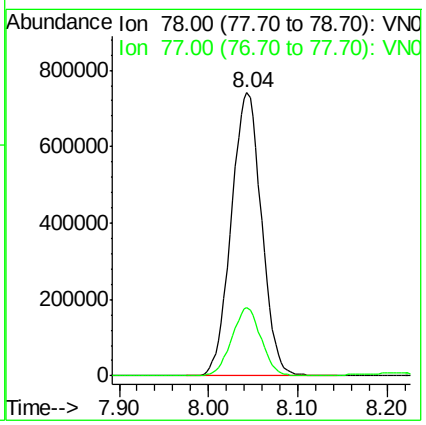
Manual Integrations APPROVED
MMDadoda
11/29/2018 9:34:15 AM

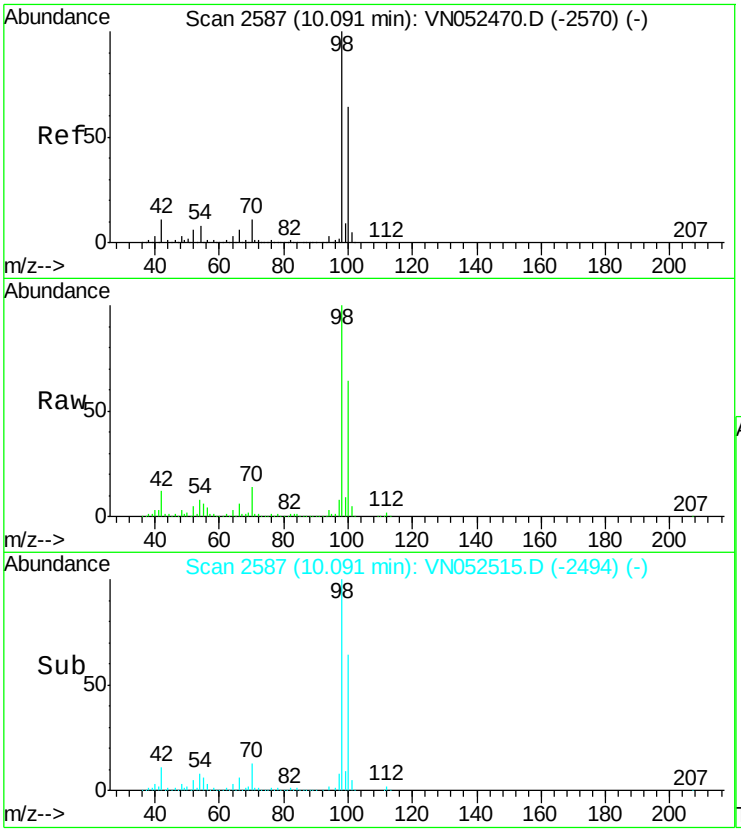


#40
Benzene
Concen: 28.815 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion: 78 Resp: 1746601

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

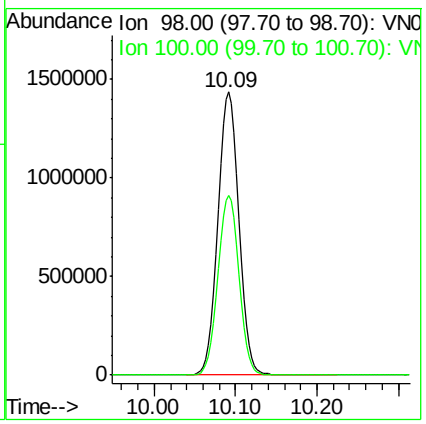




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

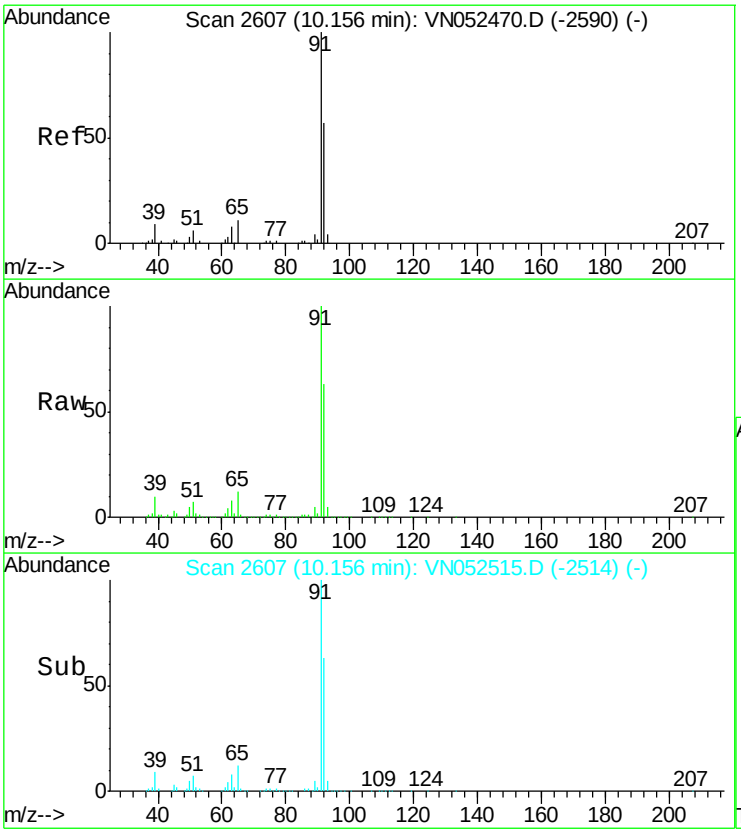
Tgt Ion: 98 Resp: 2625470

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.3	76.9



Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

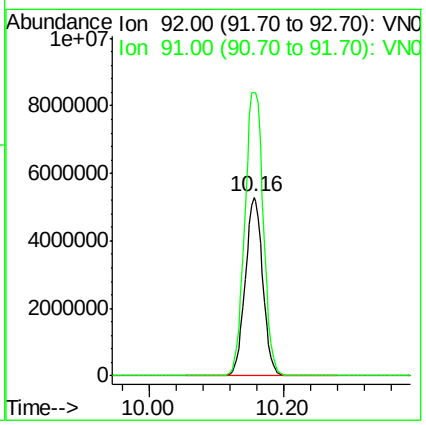
Manual Integrations APPROVED
MMDadoda
11/29/2018 9:34:15 AM

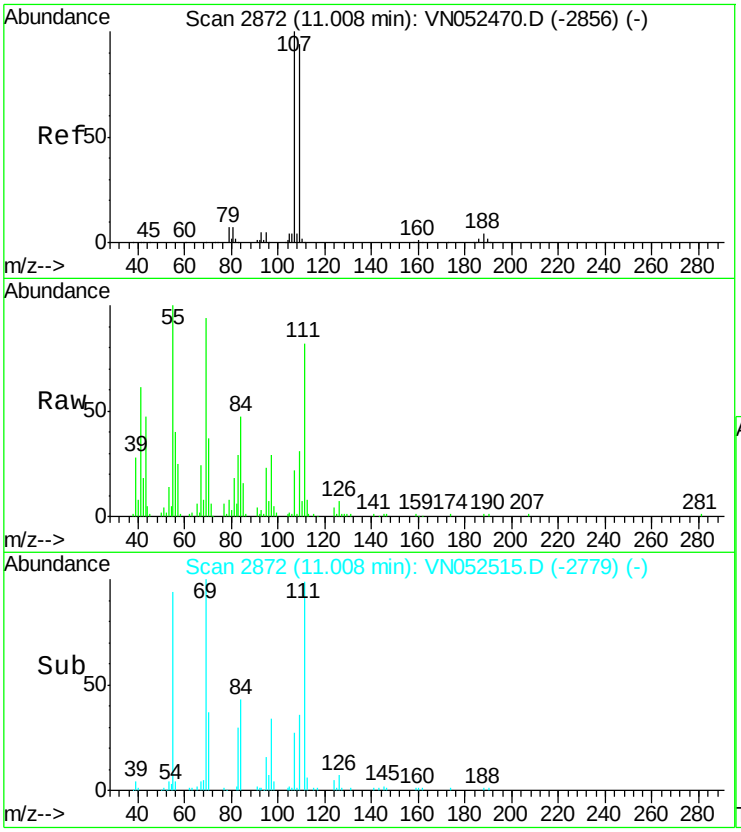


#52
Toluene
Concen: 264.319 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion: 92 Resp: 9518913

Ion	Ratio	Lower	Upper
92	100		
91	169.4	141.0	211.4





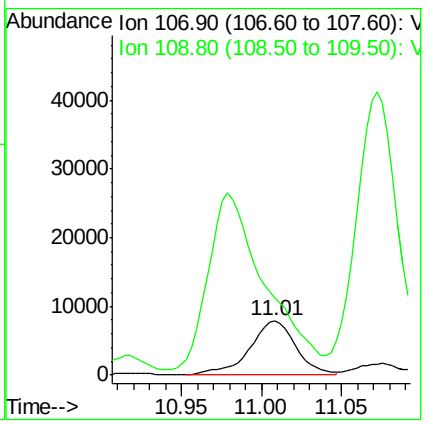
#61
1,2-Dibromoethane
Concen: 1.259 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

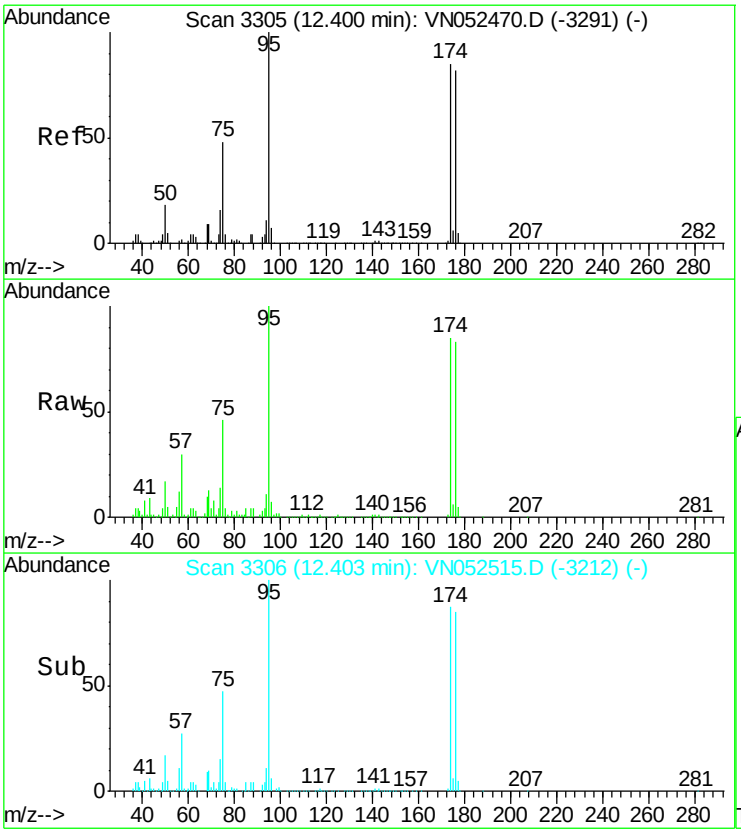
Tgt Ion:107 Resp: 15841

Ion	Ratio	Lower	Upper
107	100		
109	0.0	75.6	113.4#

Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

Manual Integrations APPROVED
MMDadoda
11/29/2018 9:34:15 AM

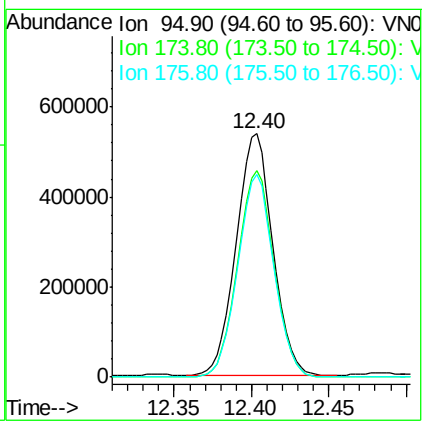


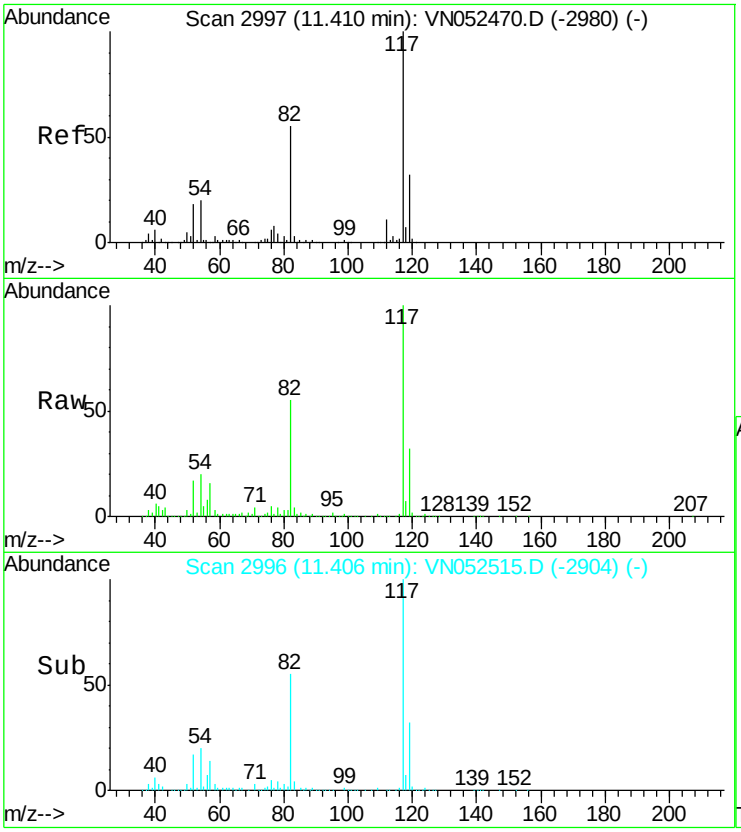


#62
4-Bromofluorobenzene
Concen: 1.259 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion: 95 Resp: 882515

Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	173.0
176	82.8	0.0	166.2

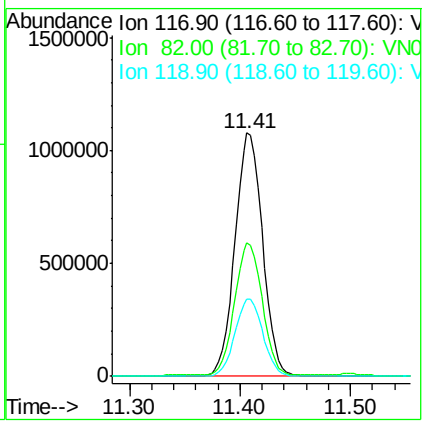




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

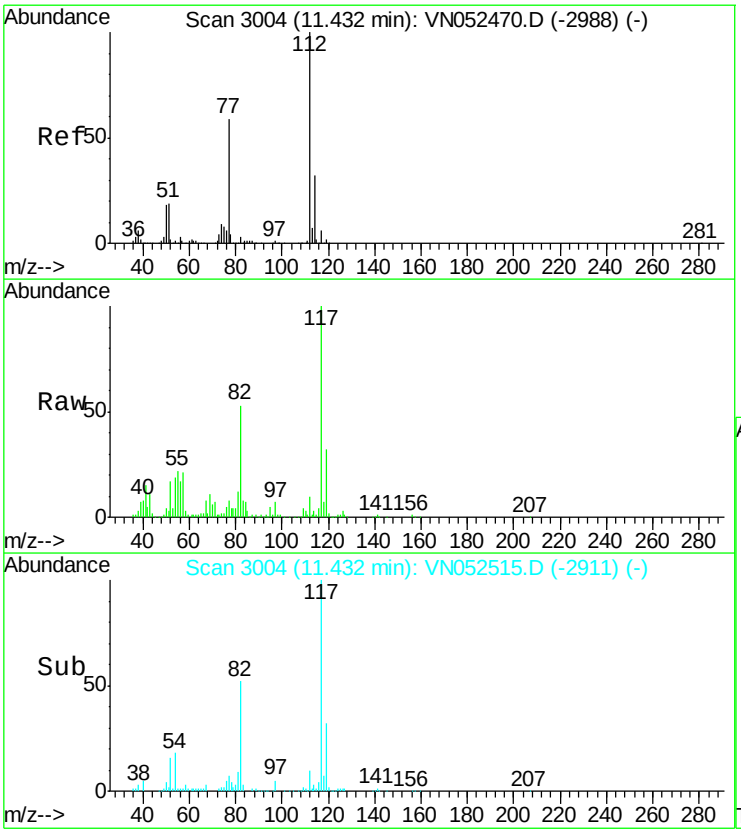
Tgt Ion:117 Resp: 1869157

Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.6	65.4
119	31.8	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

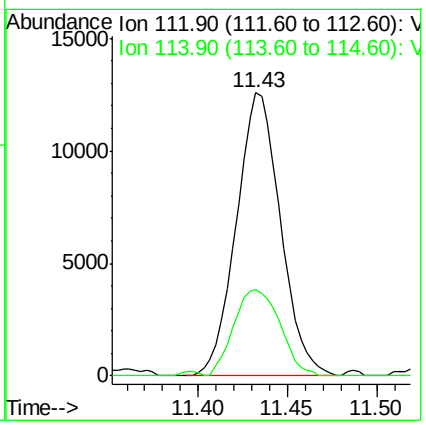
Manual Integrations APPROVED
MMDadoda
11/29/2018 9:34:15 AM

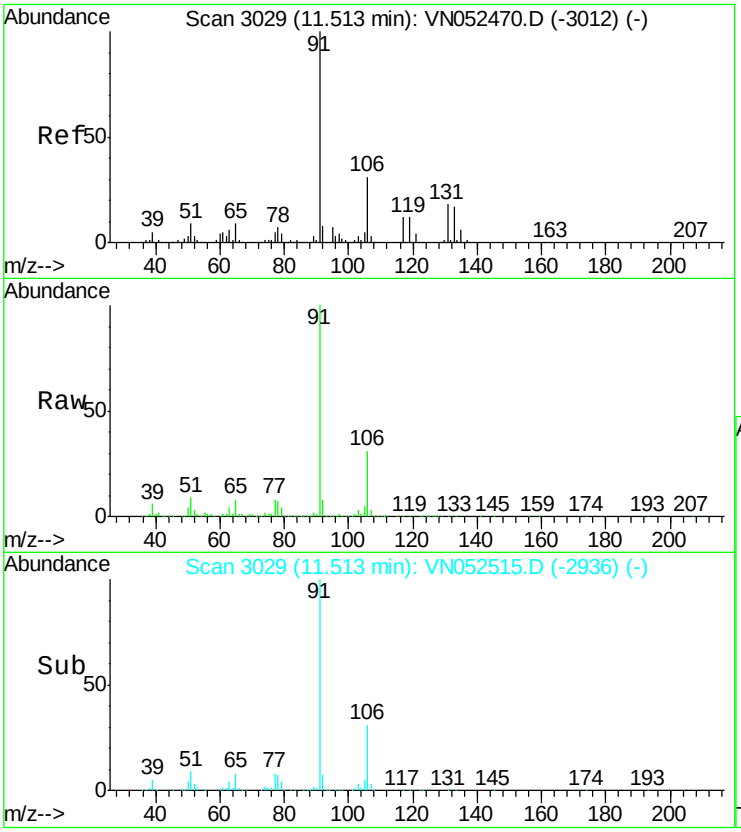


#65
Chlorobenzene
Concen: 0.566 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion:112 Resp: 21799

Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.8	38.6





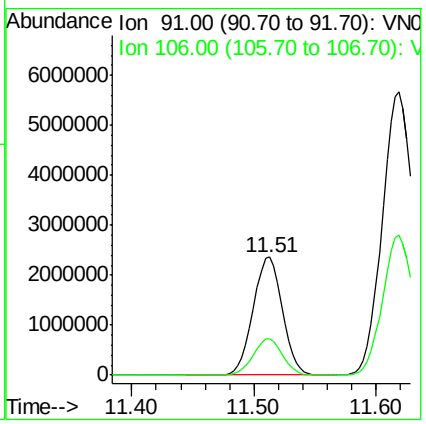
#67
Ethyl Benzene
Concen: 57.859 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

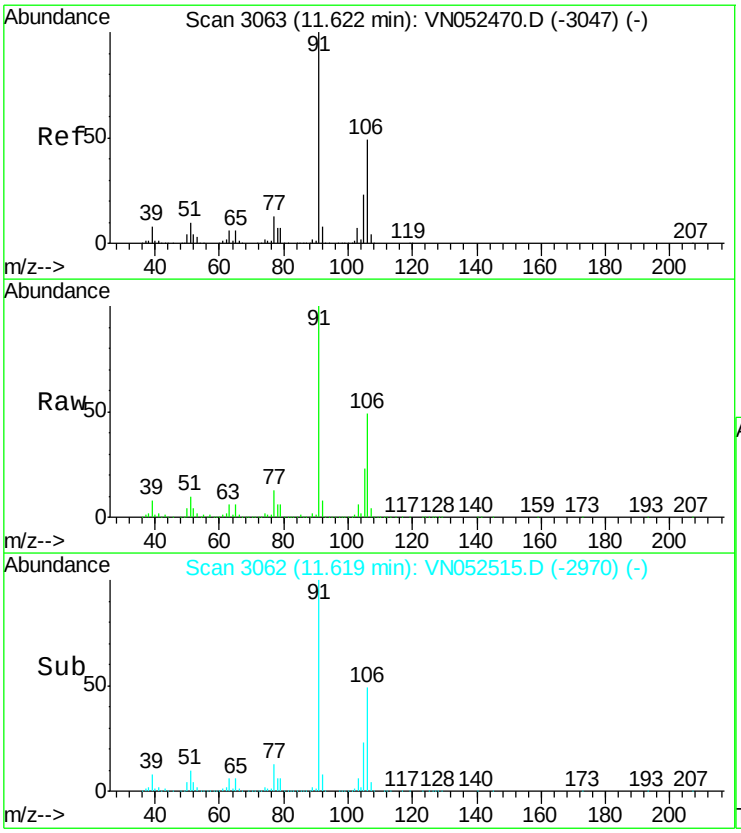
Tgt Ion: 91 Resp: 3905106

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.9	37.3

Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

Manual Integrations APPROVED
MMDadoda
11/29/2018 9:34:15 AM

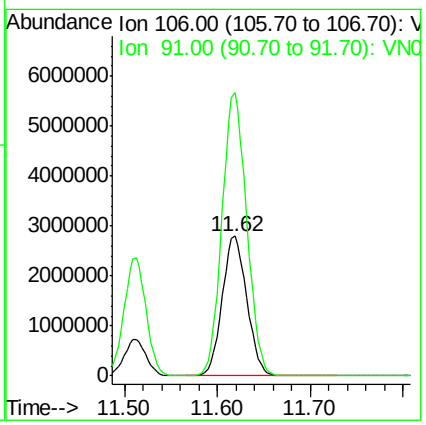


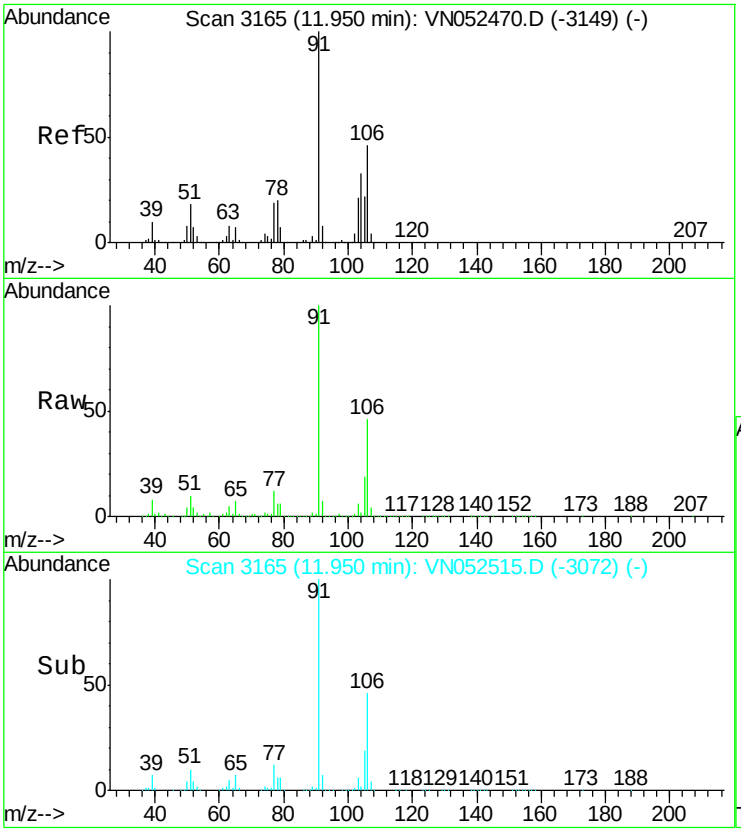


#68
m/p-Xylenes
Concen: 204.598 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion:106 Resp: 5140763

Ion	Ratio	Lower	Upper
106	100		
91	203.4	163.2	244.8

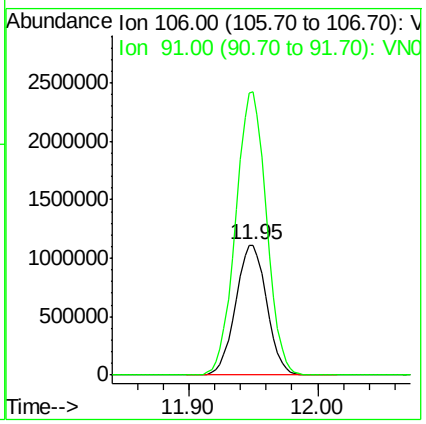




#69
o-Xylene
Concen: 76.009 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

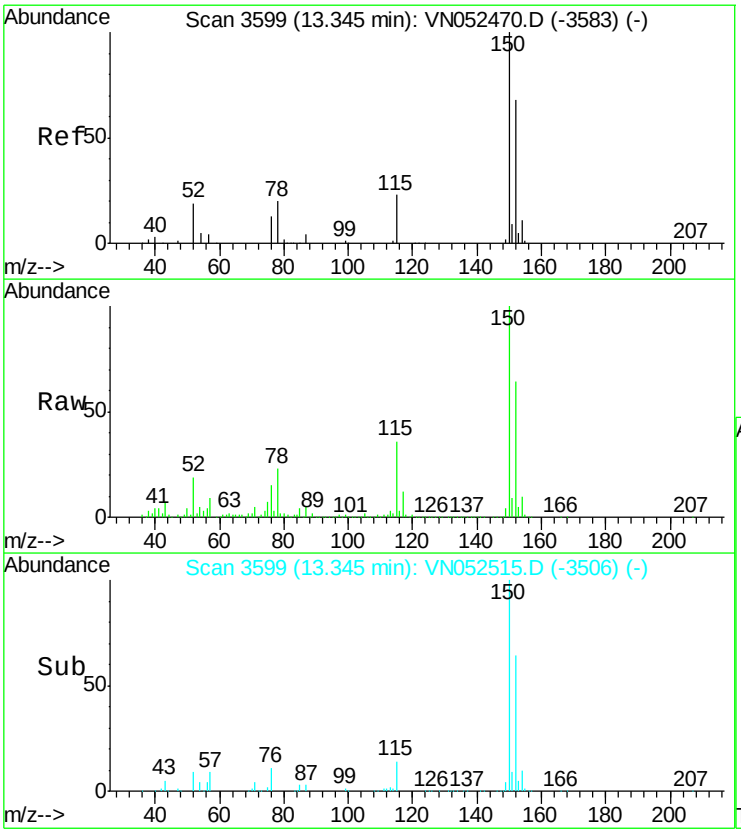
Tgt Ion:106 Resp: 1854606

Ion	Ratio	Lower	Upper
106	100		
91	216.3	107.7	323.1



Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

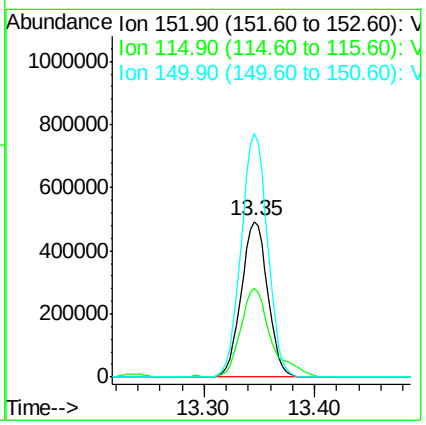
Manual Integrations APPROVED
MMDadoda
11/29/2018 9:34:15 AM

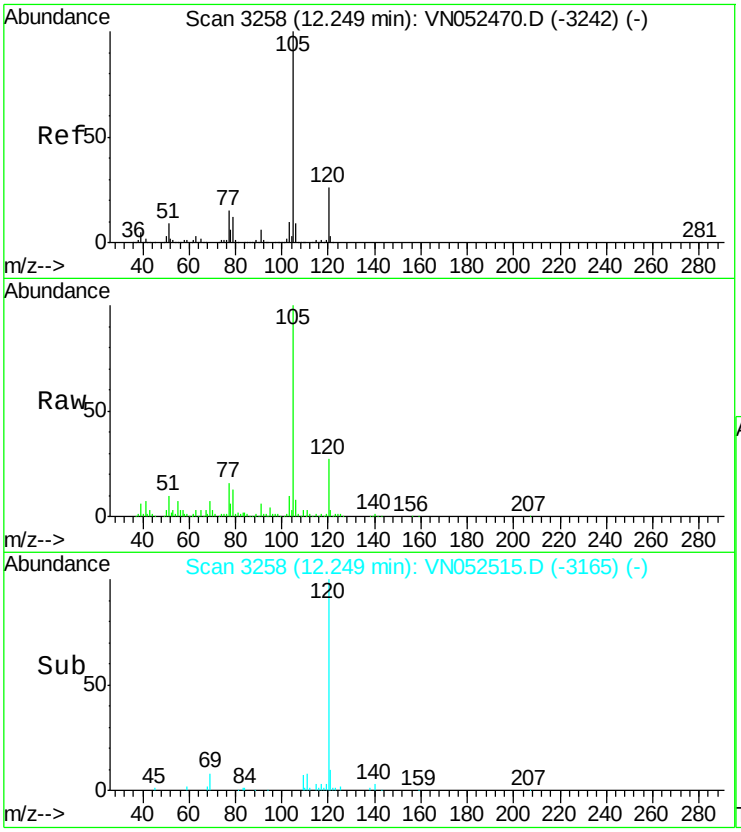


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion:152 Resp: 813316

Ion	Ratio	Lower	Upper
152	100		
115	64.1	28.4	85.2
150	156.5	0.0	346.0





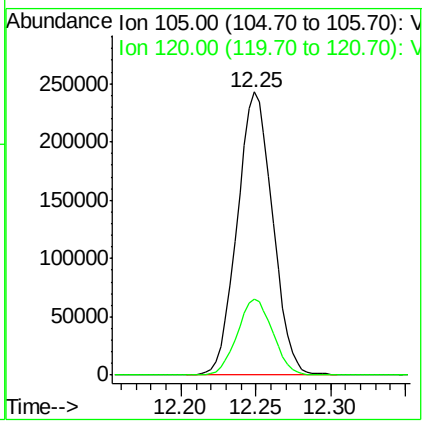
#73
Isopropylbenzene
Concen: 6.246 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

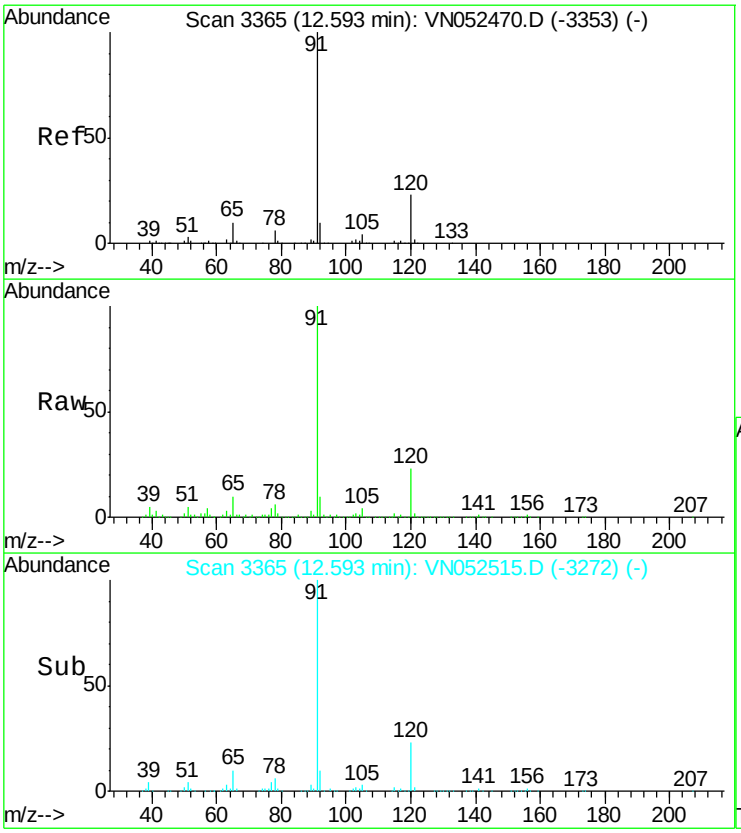
Tgt Ion:105 Resp: 398586

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.1	39.3

Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

Manual Integrations APPROVED
MMDadoda
11/29/2018 9:34:15 AM

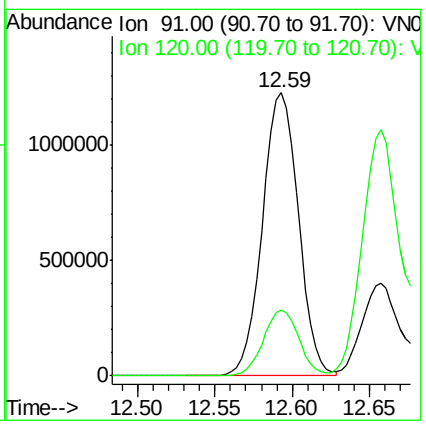


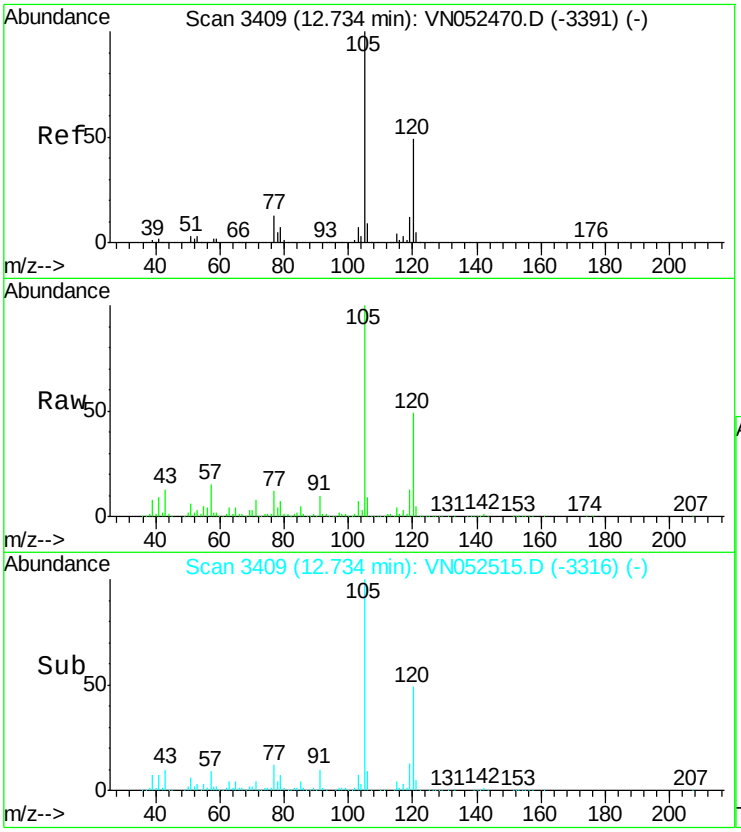


#78
n-propylbenzene
Concen: 27.286 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion: 91 Resp: 1977977

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.3	33.9

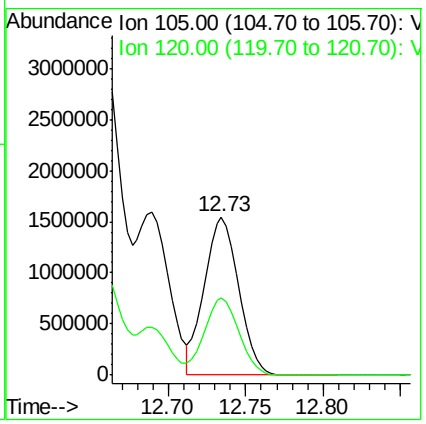




#80
1,3,5-Trimethylbenzene
Concen: 46.847 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

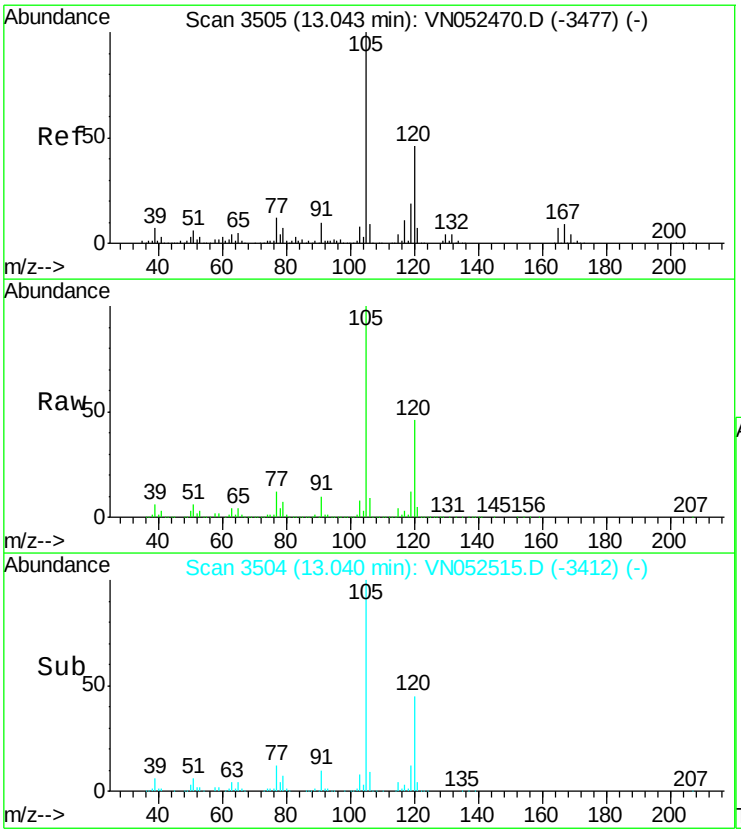
Tgt Ion:105 Resp: 2384108

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.3	73.0



Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

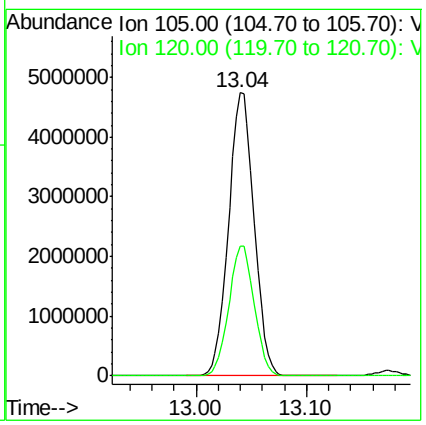
Manual Integrations APPROVED
MMDadoda
11/29/2018 9:34:15 AM

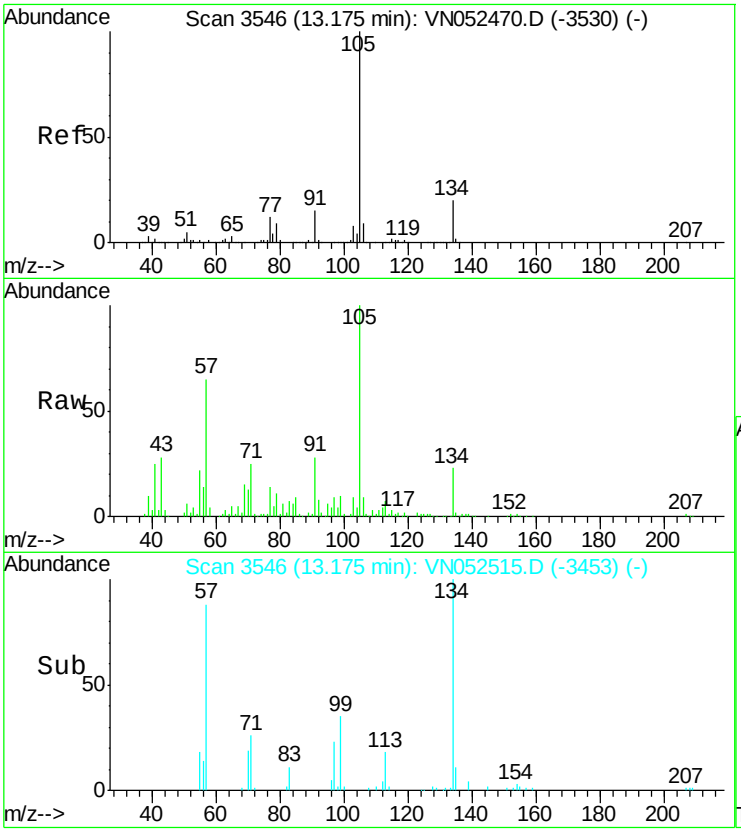


#84
1,2,4-Trimethylbenzene
Concen: 148.940 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion:105 Resp: 7596126

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.8	68.4





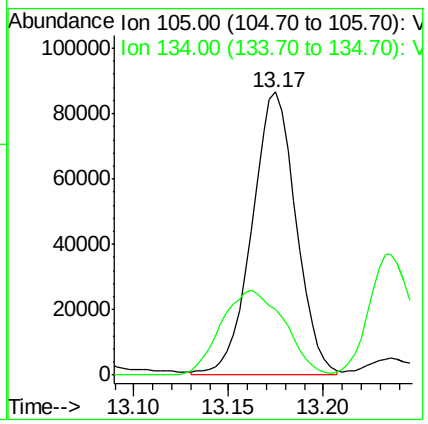
#85
sec-Butylbenzene
Concen: 2.276 ug/l m
RT: 13.17 min Scan# 3546
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

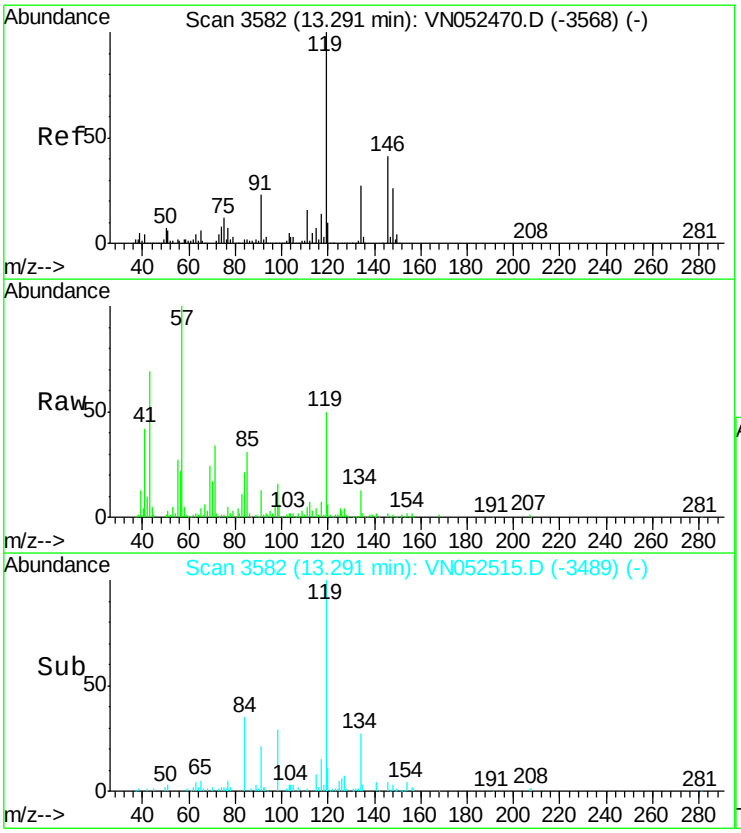
Tgt Ion:105 Resp: 140622

Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.9	29.7#

Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

Manual Integrations APPROVED
MMDadoda
11/29/2018 9:34:15 AM

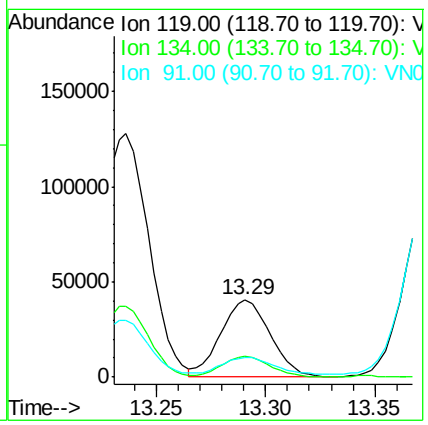


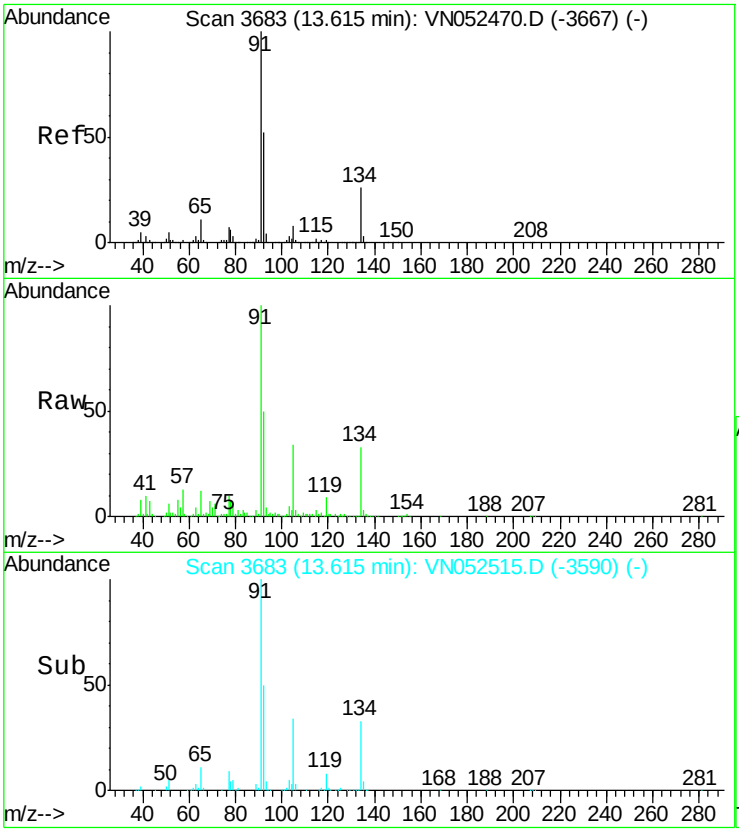


#86
p-Isopropyltoluene
Concen: 1.210 ug/l m
RT: 13.29 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion:119 Resp: 63677

Ion	Ratio	Lower	Upper
119	100		
134	89.5	13.4	40.2#
91	69.0	11.4	34.2#

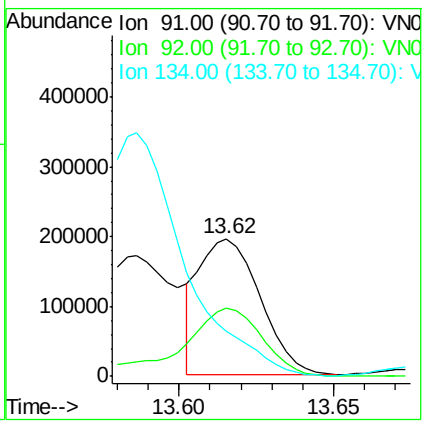




#89
n-Butylbenzene
Concen: 6.063 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

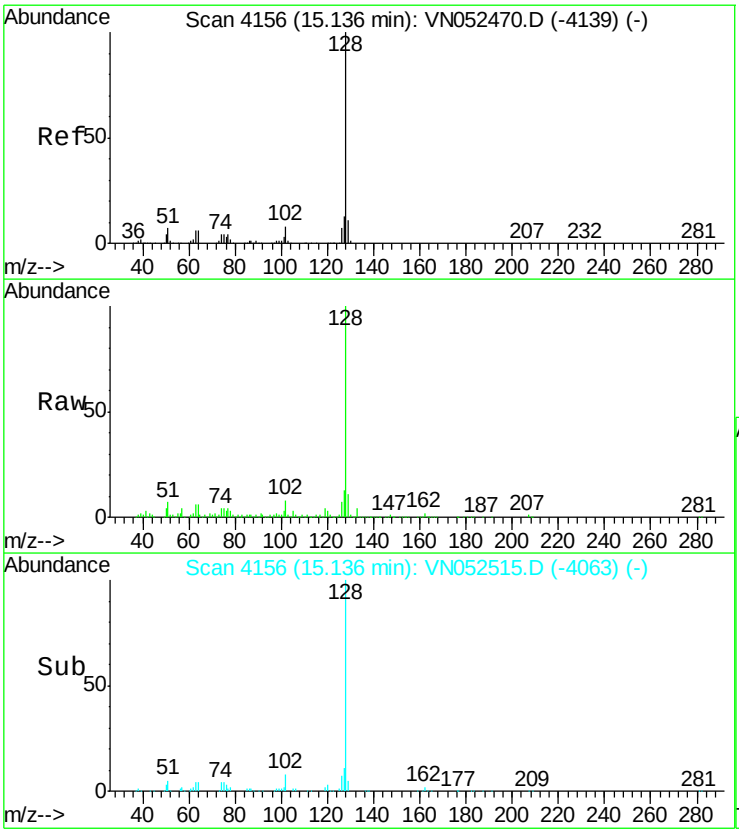
Tgt Ion: 91 Resp: 265385

Ion	Ratio	Lower	Upper
91	100		
92	67.4	26.1	78.3
134	0.0	13.0	38.9#



Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

Manual Integrations APPROVED
MMDadoda
11/29/2018 9:34:15 AM



#95
Naphthalene
Concen: 21.935 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion:128 Resp: 608388

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.1	8.7	13.1