Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010719\
Data File : VF061280.D
Acq On : 7 Jan 2019 15:39
Operator : VA/AP
Sample : K1066-01
Misc : 6.00g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : TN-1419

Manual Integrations APPROVED
MMDadoda
1/8/2019 12:58:19 PM

Quant Time: Jan 08 00:54:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 04 03:27:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.82	168	121088	50.00	ug/l		-0.06
34) 1,4-Difluorobenzene	5.56	114	199112	50.00	ug/l		-0.04
63) Chlorobenzene-d5	9.75	117	142251	50.00	ug/l		-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	45951	50.00	ug/l		-0.02
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	4.81	65	52104	33.90	ug/l		-0.04
Spiked Amount 50.000			Recovery = 67.80%				
35) Dibromofluoromethane	4.10	113	55401	36.17	ug/l		-0.02
Spiked Amount 50.000			Recovery = 72.34%				
50) Toluene-d8	7.52	98	219705	48.33	ug/l		-0.04
Spiked Amount 50.000			Recovery = 96.66%				
62) 4-Bromofluorobenzene	11.39	95	52662	26.15	ug/l		-0.02
Spiked Amount 50.000			Recovery = 52.30%				
Target Compounds							Qvalue
31) Cyclohexane	3.57	56	26174	10.392	ug/l		94
39) Methylcyclohexane	5.37	83	94820	37.826	ug/l		93
40) Benzene	4.56	78	51885	9.749	ug/l	#	84
52) Toluene	7.59	92	206115	59.312	ug/l		97
59) 2-Hexanone	9.51	43	4108	6.540	ug/l		87
67) Ethyl Benzene	9.88	91	73092	13.746	ug/l	#	89
68) m/p-Xylenes	10.11	106	117708	60.658	ug/l		88
69) o-Xylene	10.69	106	64854	30.895	ug/l		86
73) Isopropylbenzene	11.10	105	42634	10.923	ug/l		88
78) n-propylbenzene	11.58	91	60190	12.937	ug/l		94
80) 1,3,5-Trimethylbenzene	11.81	105	22085	7.009	ug/l		93
84) 1,2,4-Trimethylbenzene	12.19	105	101147	32.243	ug/l		97
85) sec-Butylbenzene	12.30	105	21964	4.984	ug/l		90
86) p-Isopropyltoluene	12.45	119	14137m	3.893	ug/l		
95) Naphthalene	14.45	128	19673	9.840	ug/l		100

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

Quantitation Report (QT/LSC Reviewed)

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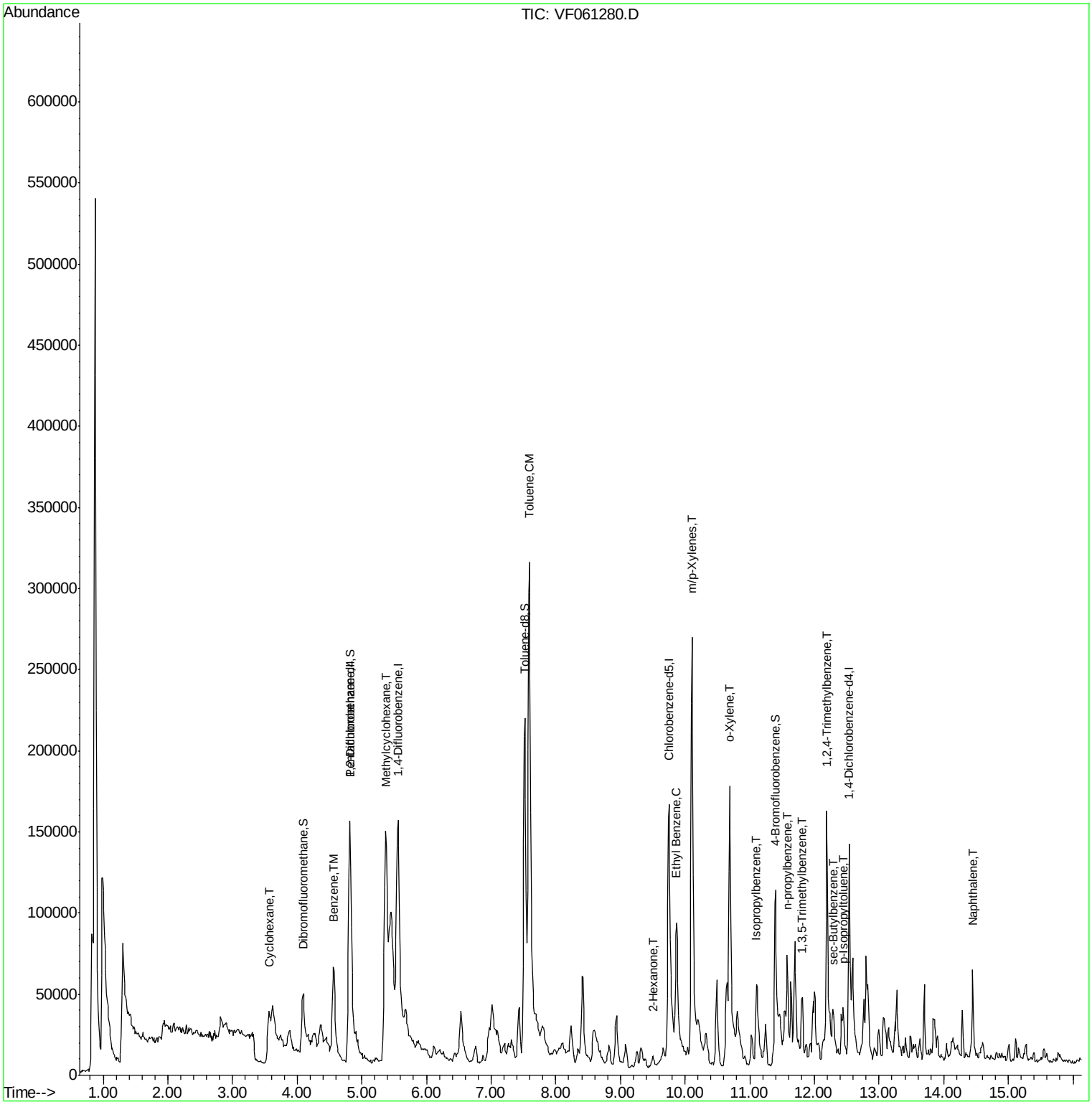
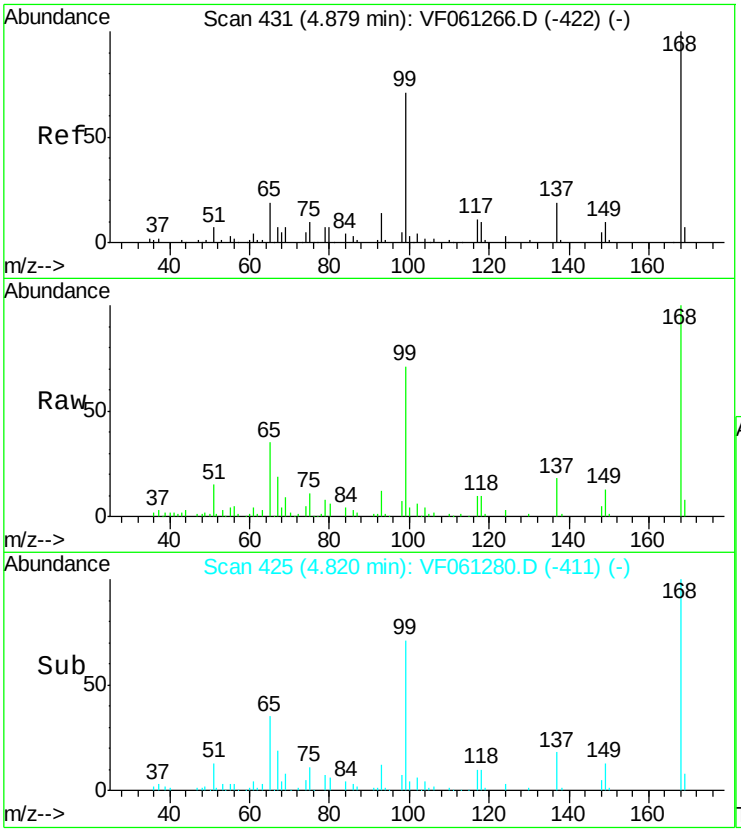
Instrument :
MSVOA_F
ClientSampleId :
TN-1419

Manual Integrations APPROVED
MMDadoda
1/8/2019 12:58:19 PM

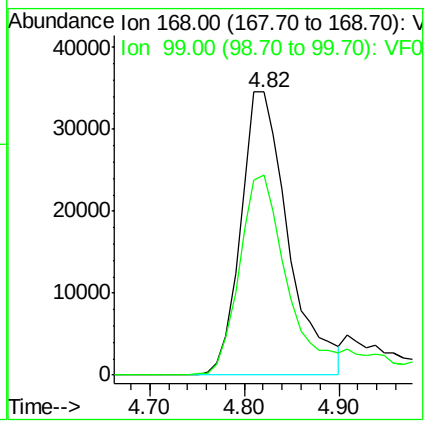




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.06 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion:168 Resp: 121088

Ion	Ratio	Lower	Upper
168	100		
99	70.8	57.0	85.6



Instrument :
MSVOA_F
ClientSampleId :
TN-1419

Manual Integrations APPROVED
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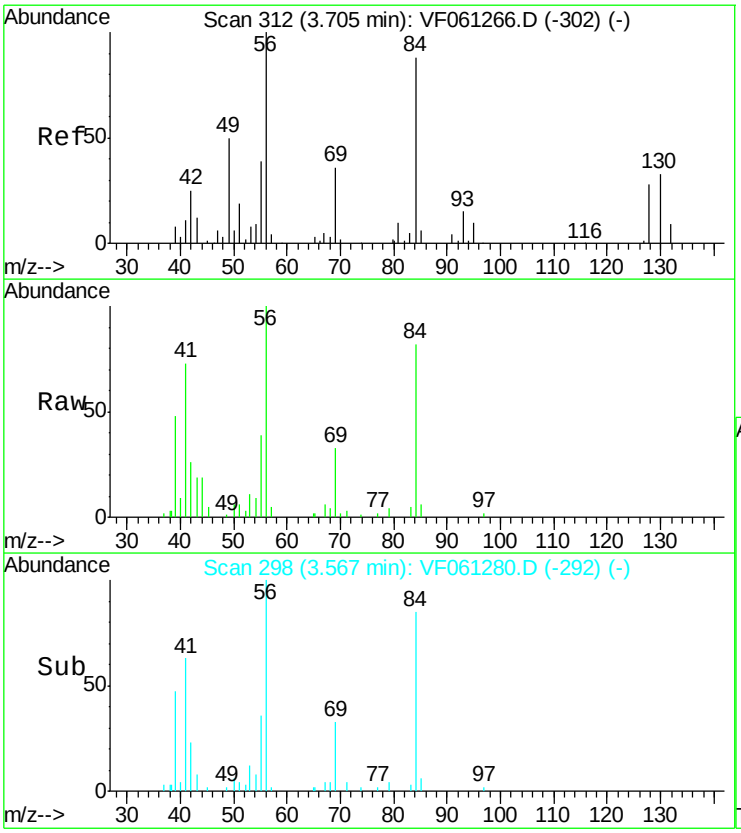
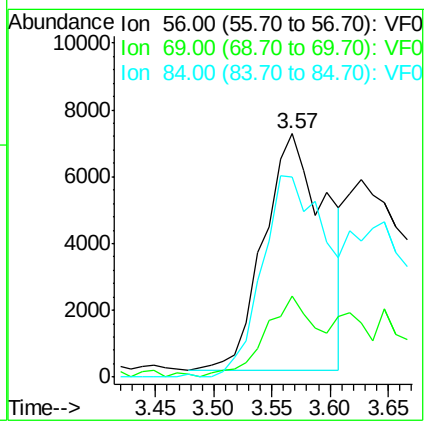
1/8/2019 12:58:19 PM

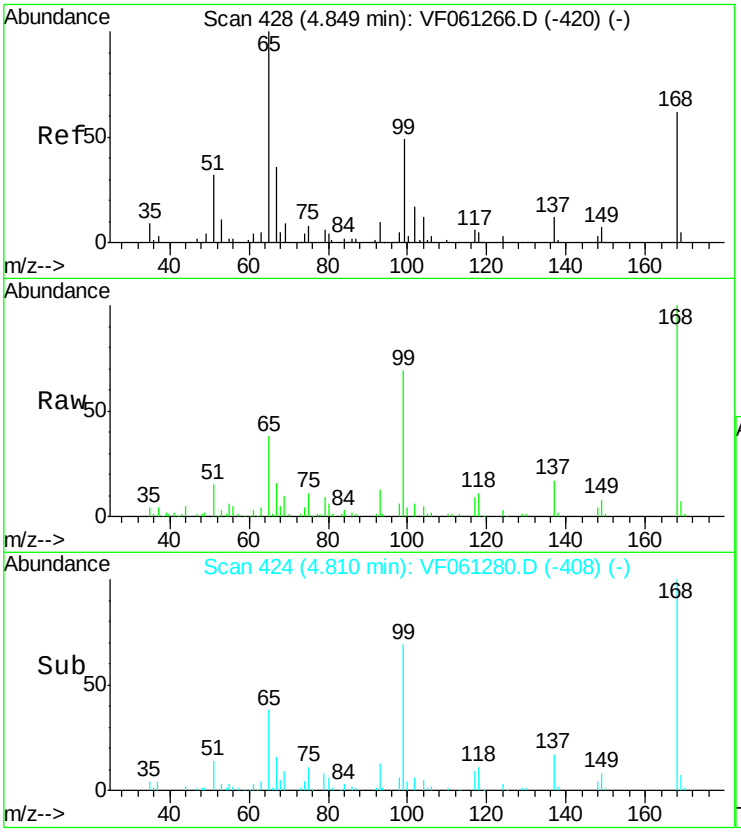


#31
Cyclohexane
Concen: 10.392 ug/l
RT: 3.57 min Scan# 298
Delta R.T. -0.14 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion: 56 Resp: 26174

Ion	Ratio	Lower	Upper
56	100		
69	33.2	28.7	43.1
84	82.3	70.6	106.0

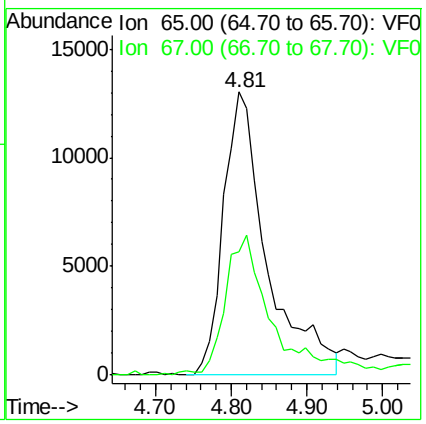




#33
1,2-Dichloroethane-d4
Concen: 33.899 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.04 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

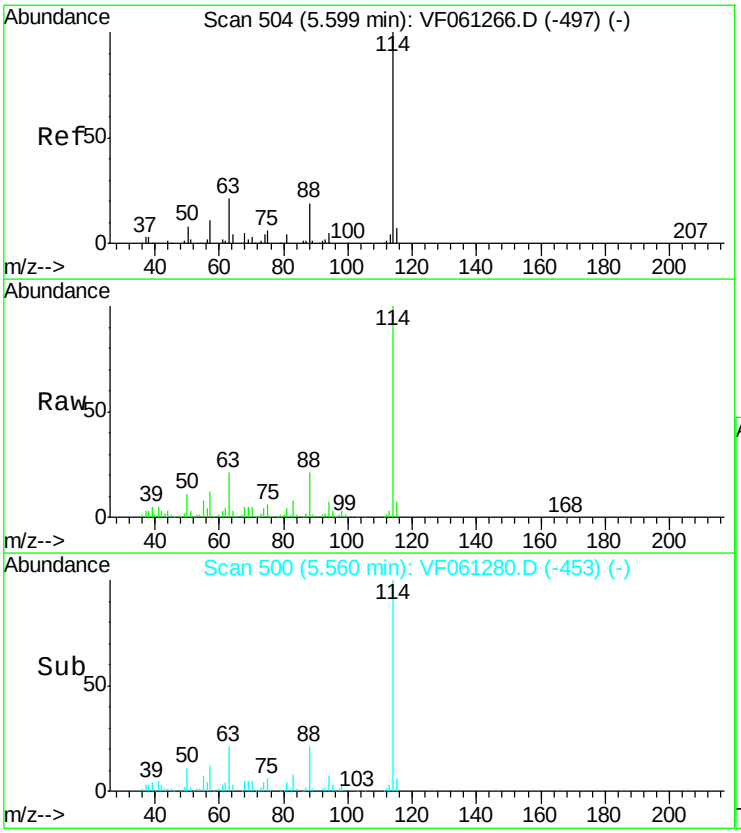
Tgt Ion: 65 Resp: 52104

Ion	Ratio	Lower	Upper
65	100		
67	43.7	0.0	90.4



Instrument :
MSVOA_F
ClientSampleId :
TN-1419

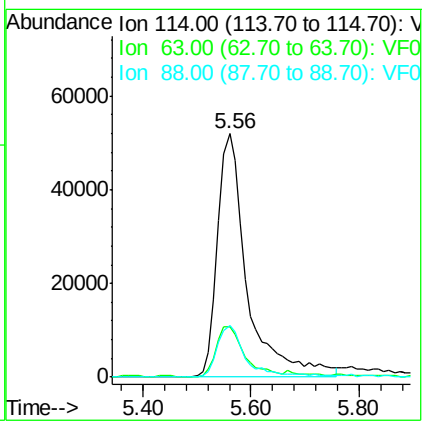
Manual Integrations APPROVED
MMDadoda
1/8/2019 12:58:19 PM

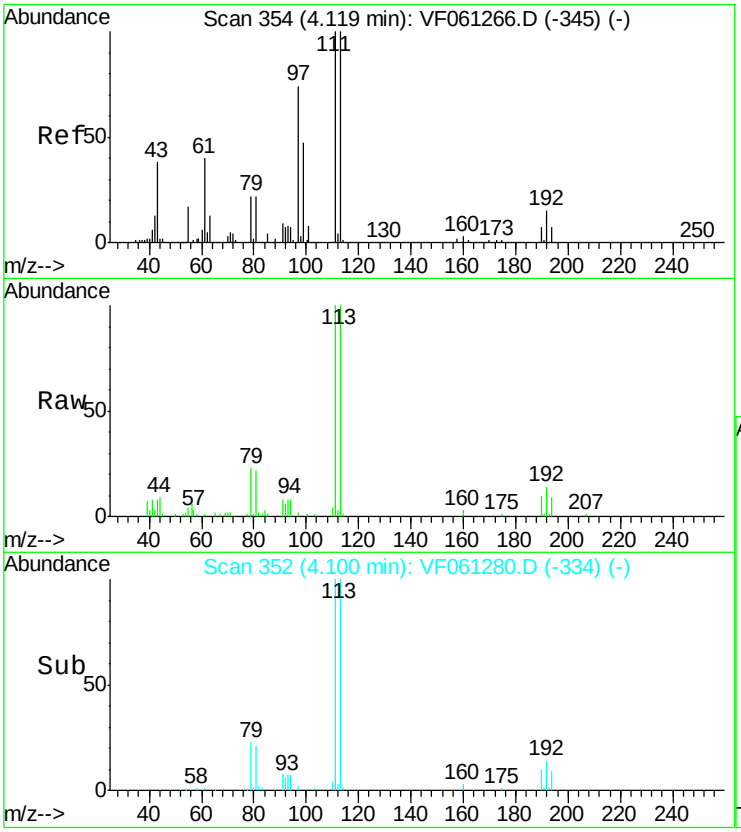


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.56 min Scan# 500
Delta R.T. -0.04 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion:114 Resp: 199112

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.8
88	21.4	0.0	38.4

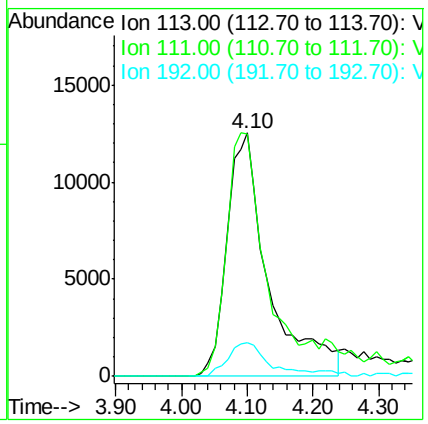




#35
Dibromofluoromethane
Concen: 36.166 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion:113 Resp: 55401

Ion	Ratio	Lower	Upper
113	100		
111	99.6	79.8	119.6
192	13.9	11.9	17.9



Instrument :
MSVOA_F
ClientSampleId :
TN-1419

Manual Integrations APPROVED
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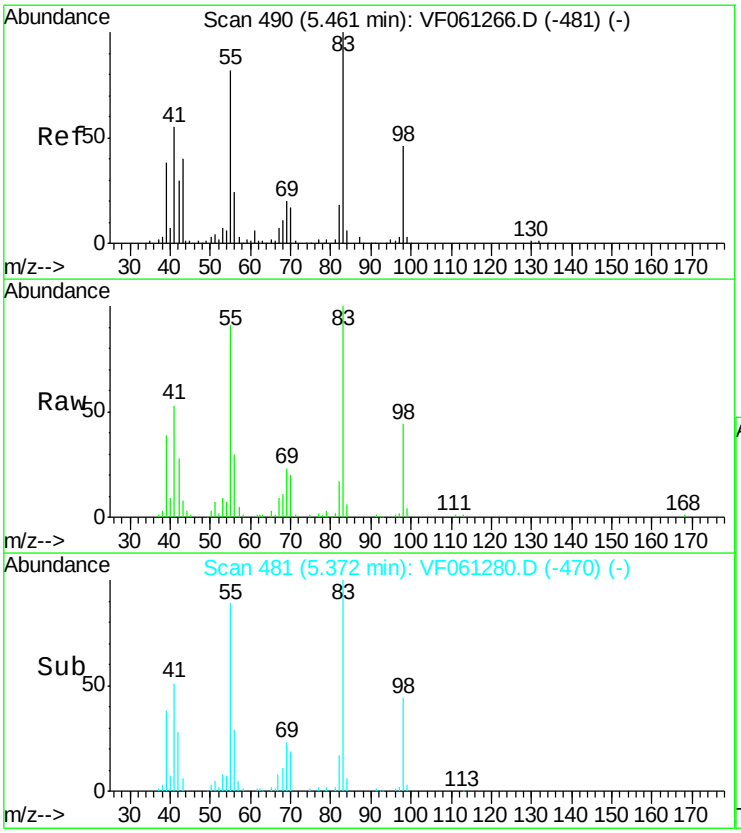
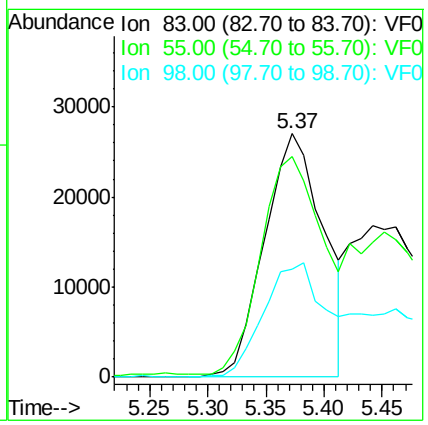
1/8/2019 12:58:19 PM

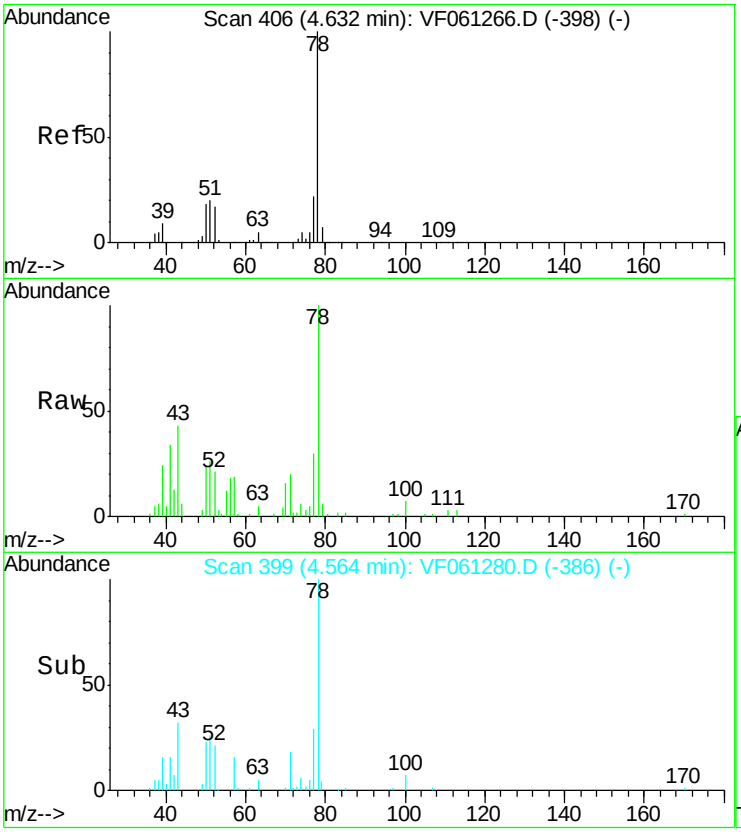


#39
Methylcyclohexane
Concen: 37.826 ug/l
RT: 5.37 min Scan# 481
Delta R.T. -0.09 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion: 83 Resp: 94820

Ion	Ratio	Lower	Upper
83	100		
55	90.6	65.6	98.4
98	44.4	36.7	55.1

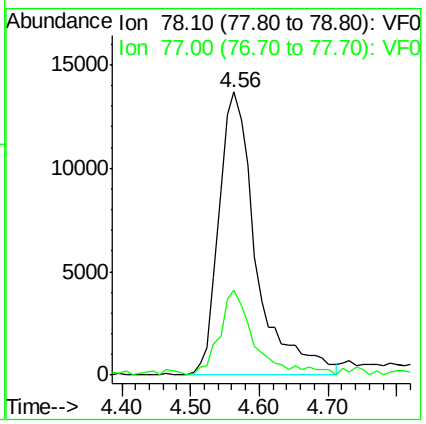




#40
Benzene
Concen: 9.749 ug/l
RT: 4.56 min Scan# 399
Delta R.T. -0.07 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion: 78 Resp: 51885

Ion	Ratio	Lower	Upper
78	100		
77	30.0	18.0	27.0#



Instrument :
MSVOA_F
ClientSampleId :
TN-1419

Manual Integrations APPROVED
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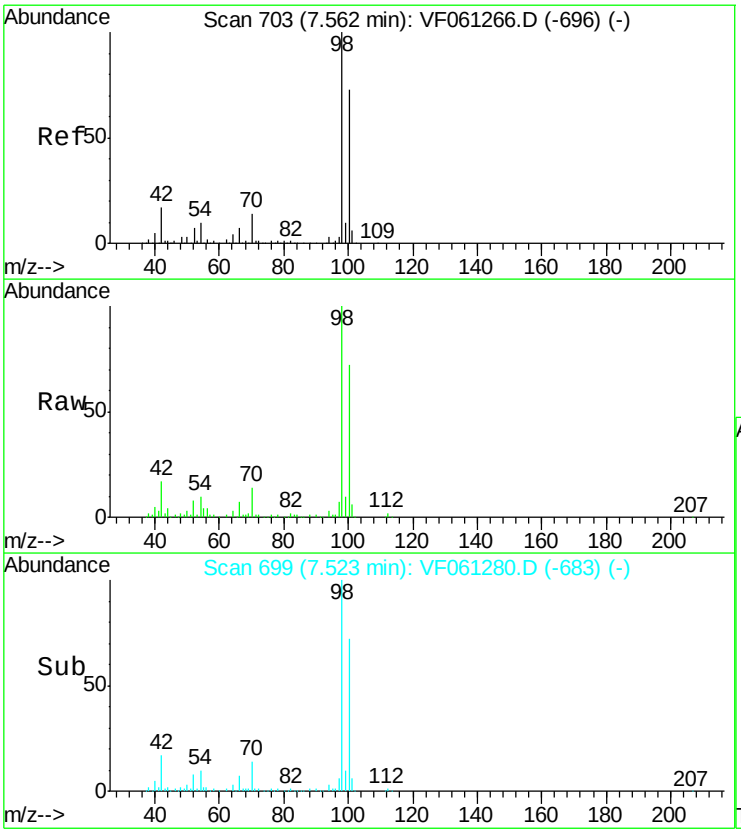
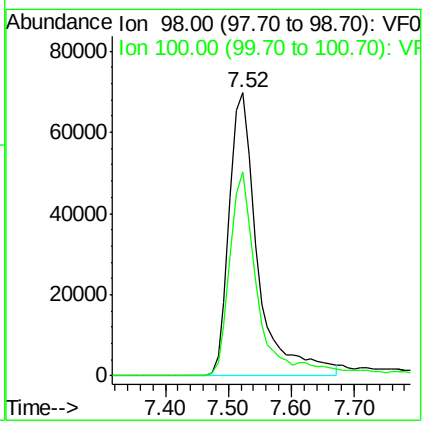
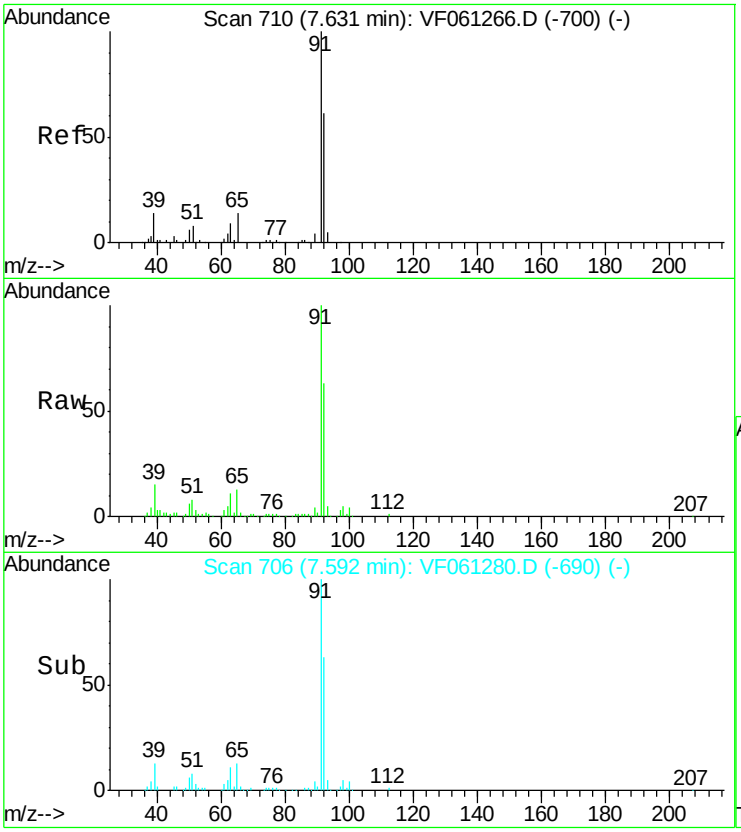


#50
Toluene-d8
Concen: 48.331 ug/l
RT: 7.52 min Scan# 699
Delta R.T. -0.04 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion: 98 Resp: 219705

Ion	Ratio	Lower	Upper
98	100		
100	71.9	58.1	87.1

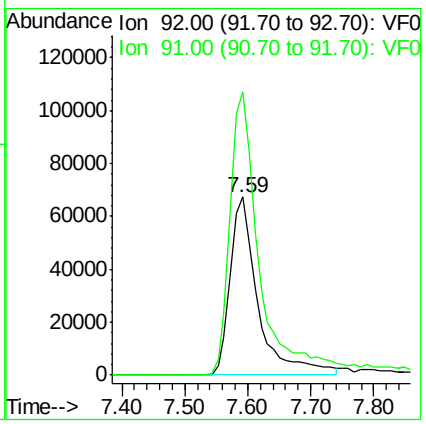




#52
Toluene
Concen: 59.312 ug/l
RT: 7.59 min Scan# 706
Delta R.T. -0.04 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion: 92 Resp: 206115

Ion	Ratio	Lower	Upper
92	100		
91	158.8	130.5	195.7



Instrument :
MSVOA_F
ClientSampleId :
TN-1419

Manual Integrations APPROVED
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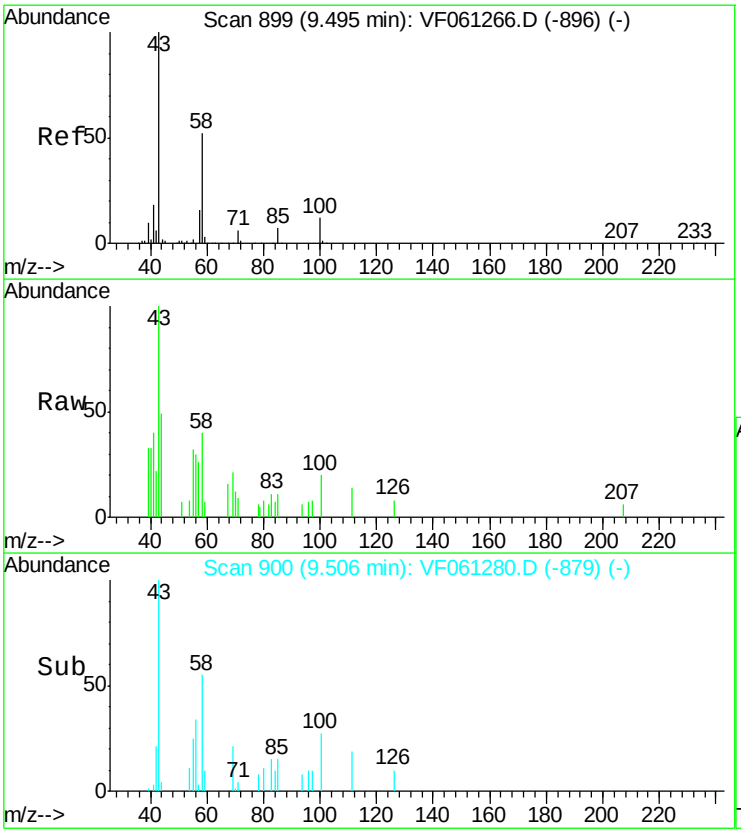
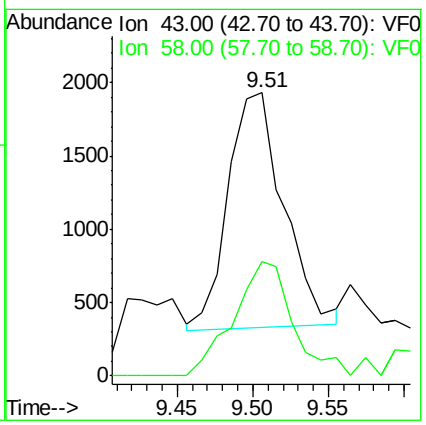
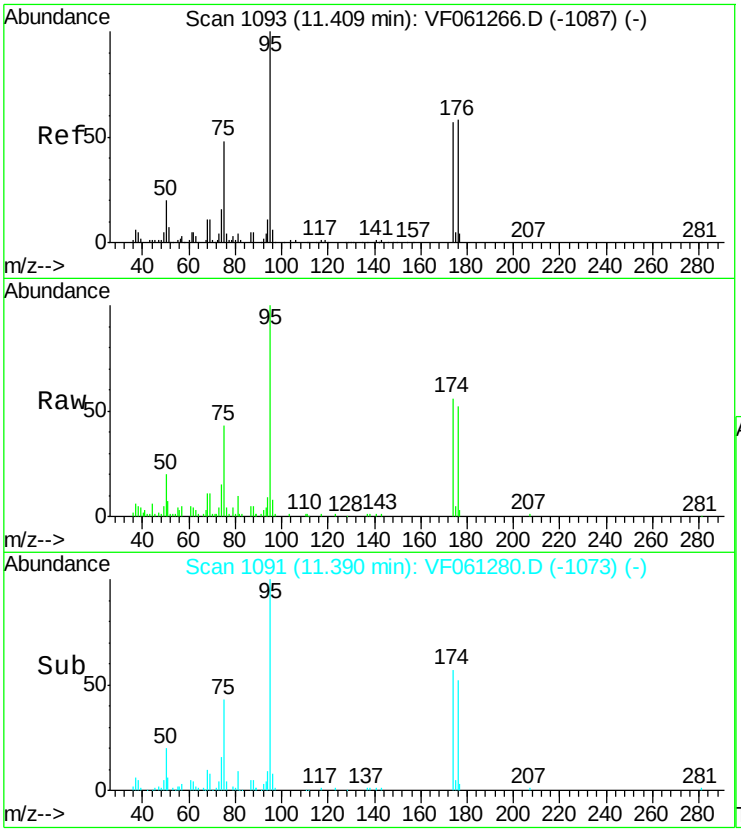


#59
2-Hexanone
Concen: 6.540 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion: 43 Resp: 4108

Ion	Ratio	Lower	Upper
43	100		
58	40.4	24.4	73.4

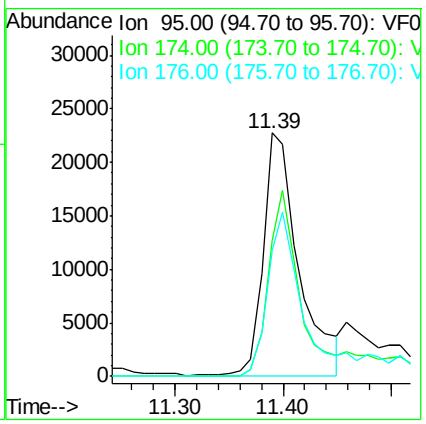




#62
4-Bromofluorobenzene
Concen: 26.145 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion: 95 Resp: 52662

Ion	Ratio	Lower	Upper
95	100		
174	56.0	0.0	113.2
176	51.7	0.0	115.6



Instrument :
MSVOA_F
ClientSampleId :
TN-1419

Manual Integrations APPROVED
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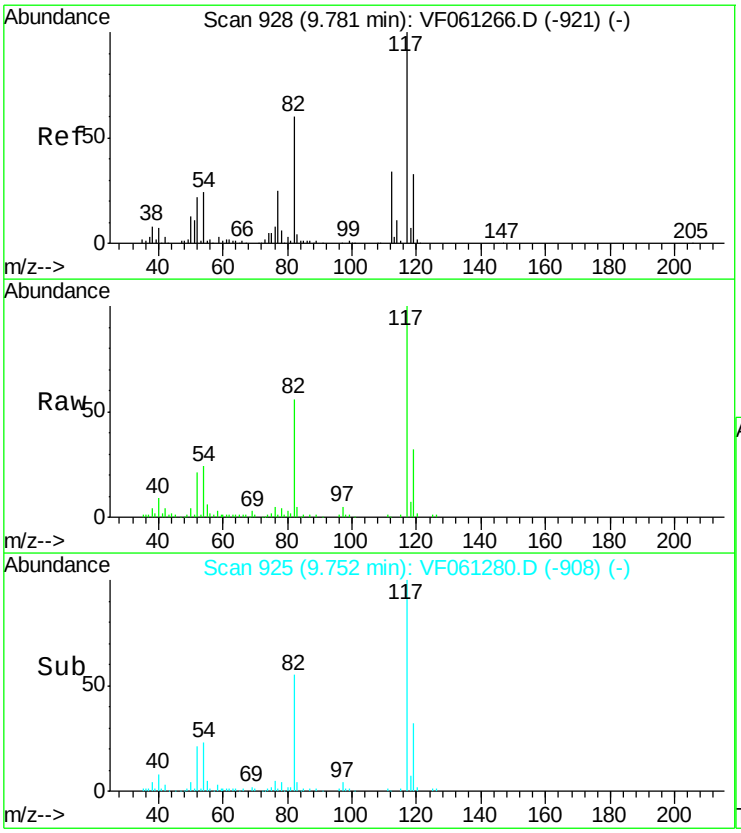
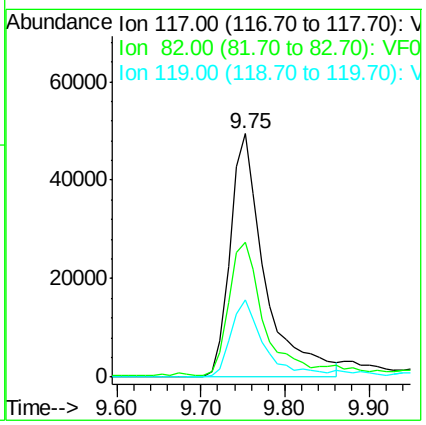
1/8/2019 12:58:19 PM

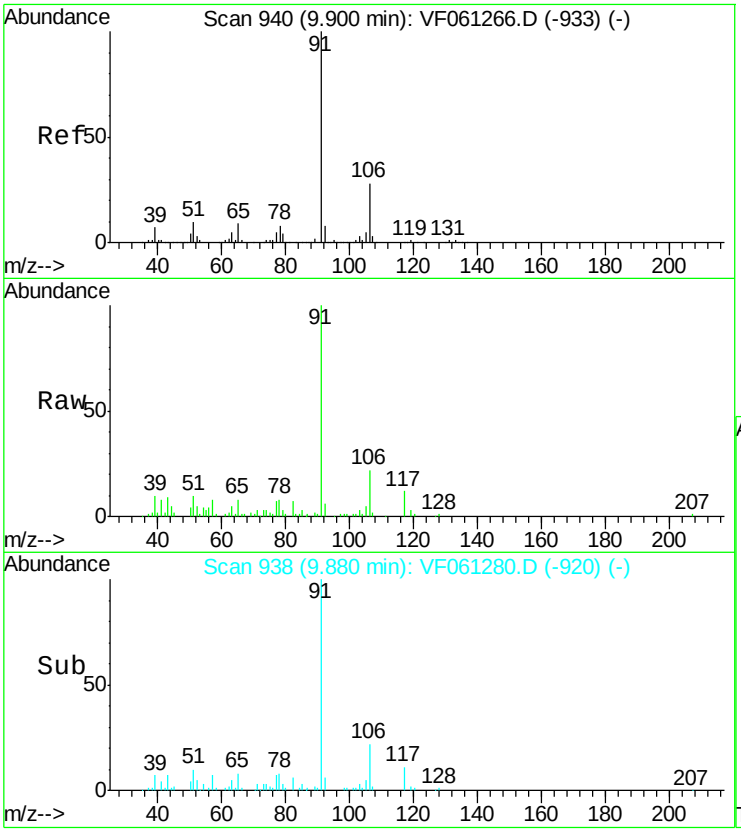


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion:117 Resp: 142251

Ion	Ratio	Lower	Upper
117	100		
82	55.6	47.8	71.6
119	31.8	26.1	39.1





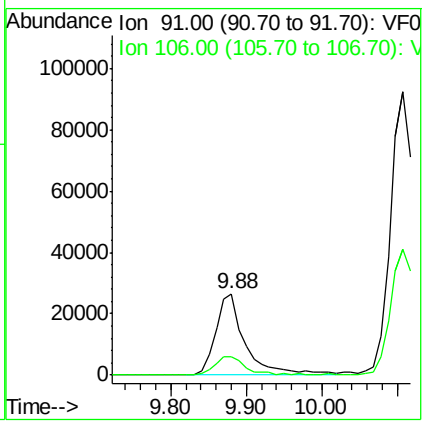
#67
Ethyl Benzene
Concen: 13.746 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.02 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

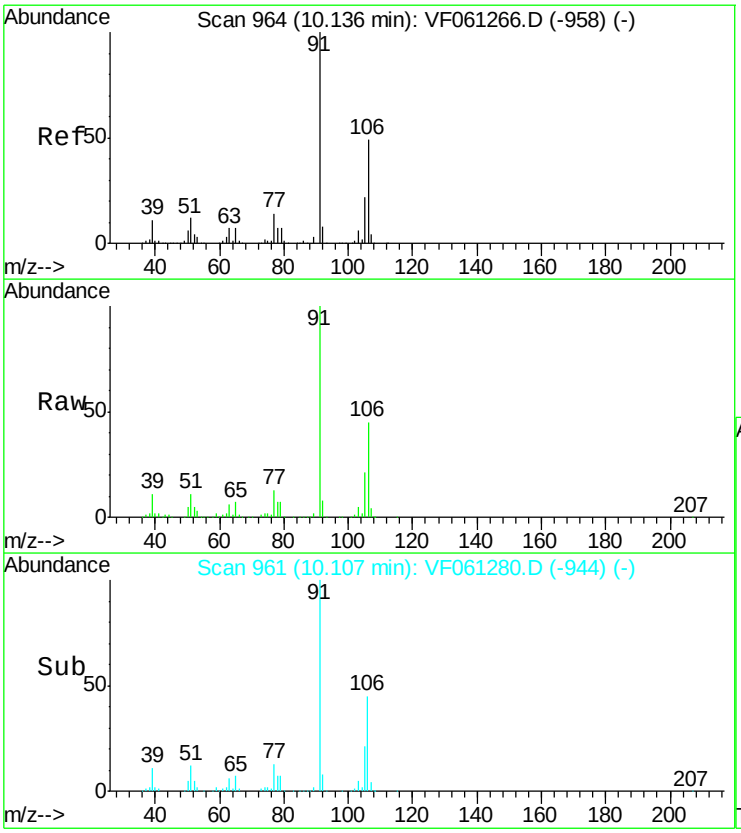
Tgt Ion: 91 Resp: 73092

Ion	Ratio	Lower	Upper
91	100		
106	22.4	22.8	34.2#

Instrument :
MSVOA_F
ClientSampleId :
TN-1419

Manual Integrations APPROVED
MMDadoda
1/8/2019 12:58:19 PM

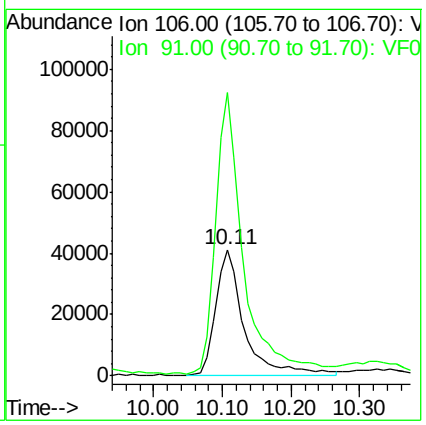


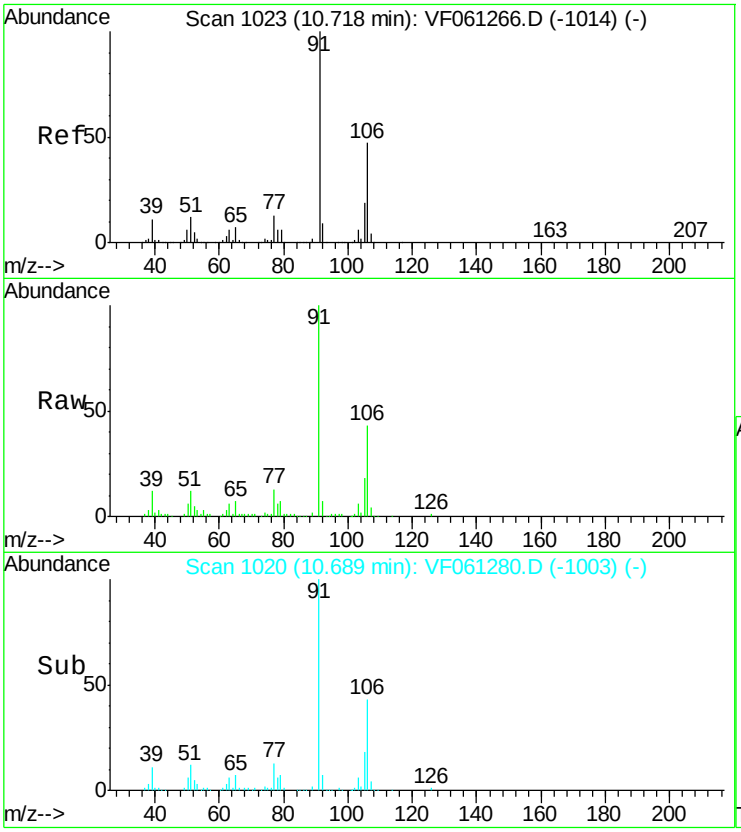


#68
m/p-Xylenes
Concen: 60.658 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.03 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion:106 Resp: 117708

Ion	Ratio	Lower	Upper
106	100		
91	224.2	164.8	247.2

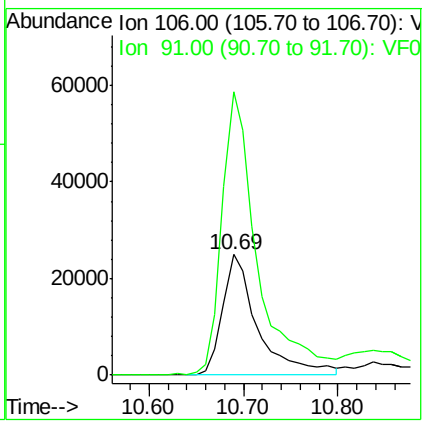




#69
o-Xylene
Concen: 30.895 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

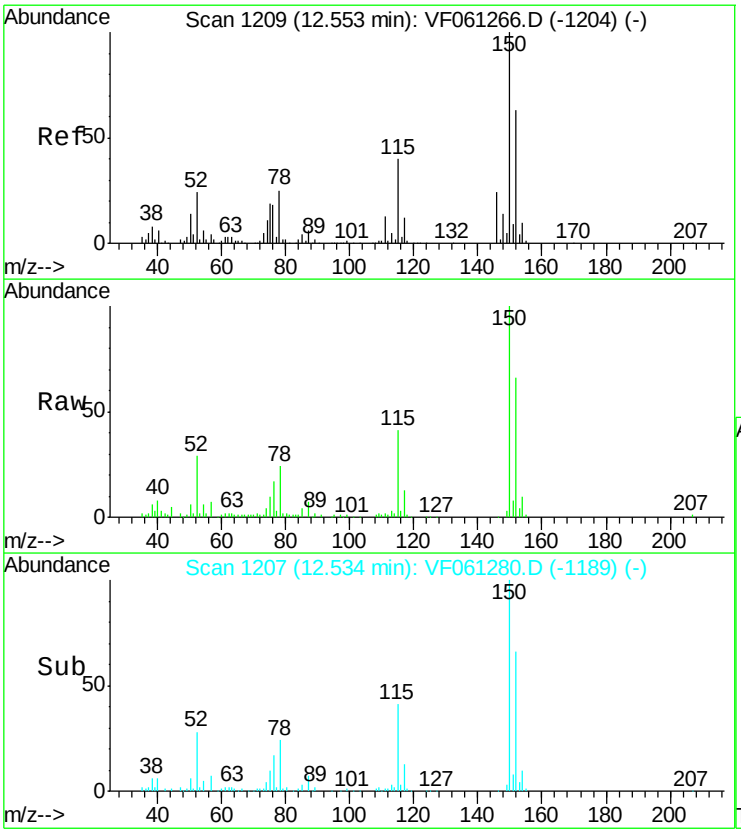
Tgt Ion:106 Resp: 64854

Ion	Ratio	Lower	Upper
106	100		
91	234.7	106.2	318.5



Instrument :
MSVOA_F
ClientSampleId :
TN-1419

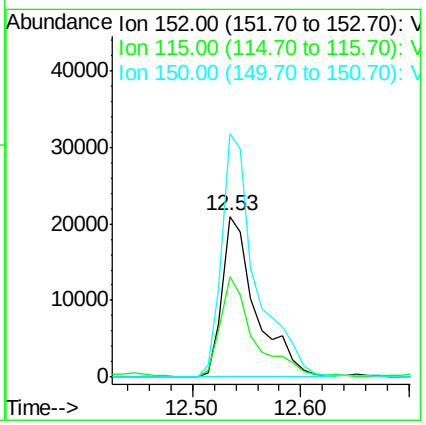
Manual Integrations APPROVED
MMDadoda
1/8/2019 12:58:19 PM

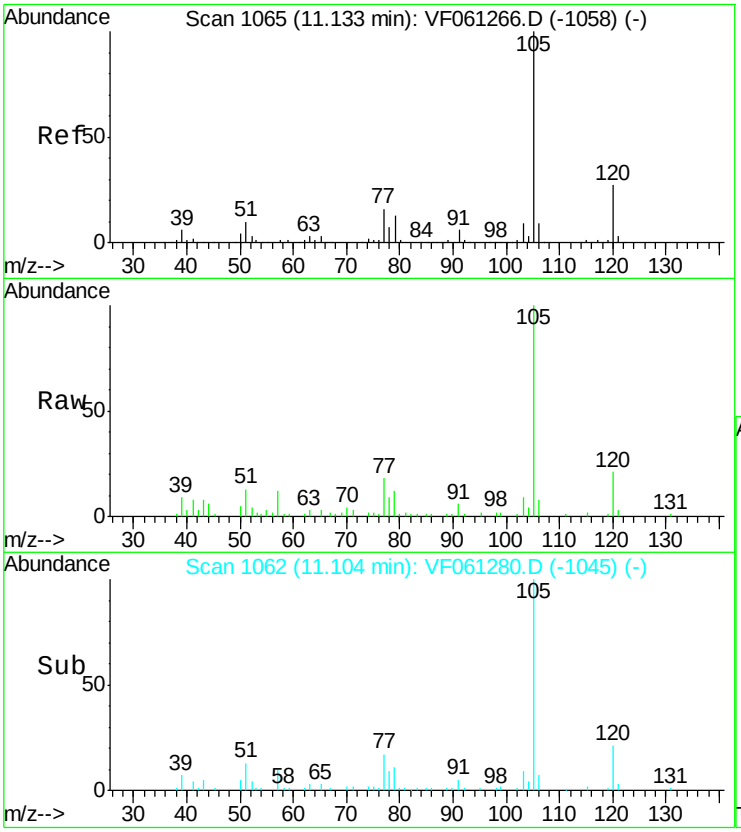


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion:152 Resp: 45951

Ion	Ratio	Lower	Upper
152	100		
115	62.7	31.6	94.7
150	151.3	0.0	320.2

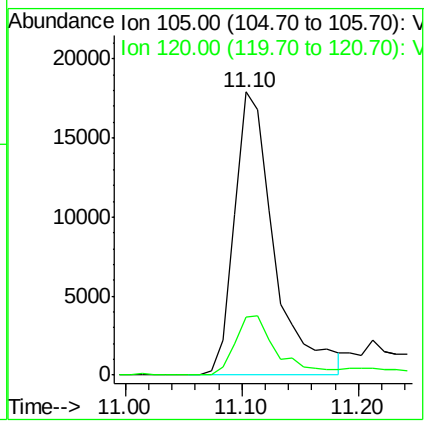




#73
Isopropylbenzene
Concen: 10.923 ug/l
RT: 11.10 min Scan# 1062
Delta R.T. -0.03 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion:105 Resp: 42634

Ion	Ratio	Lower	Upper
105	100		
120	20.6	13.4	40.1



Instrument :
MSVOA_F
ClientSampleId :
TN-1419

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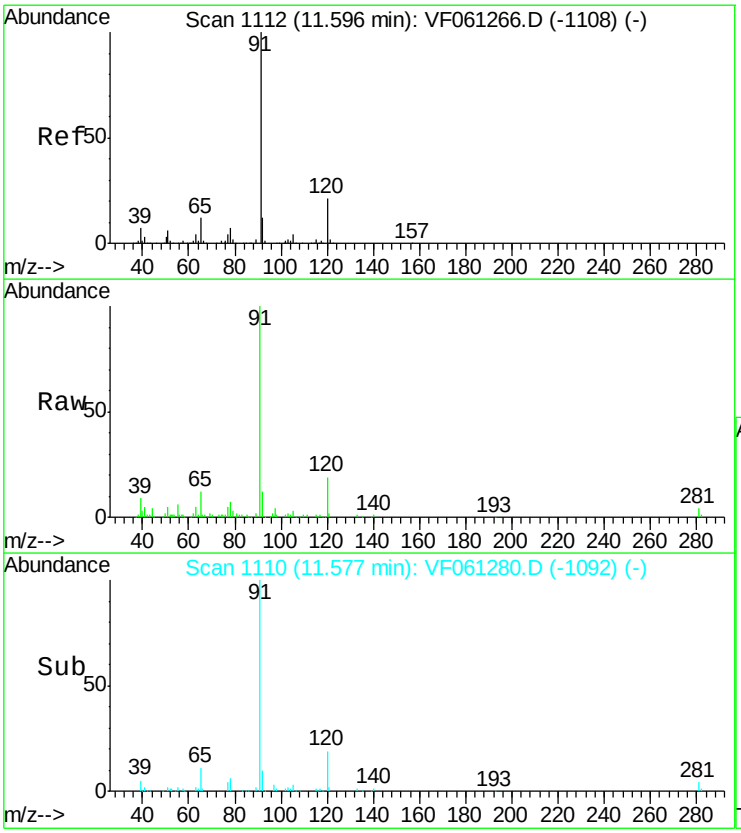
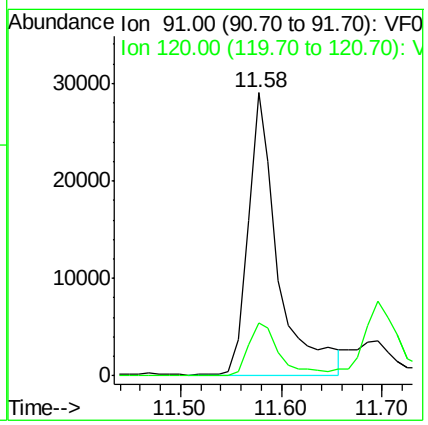
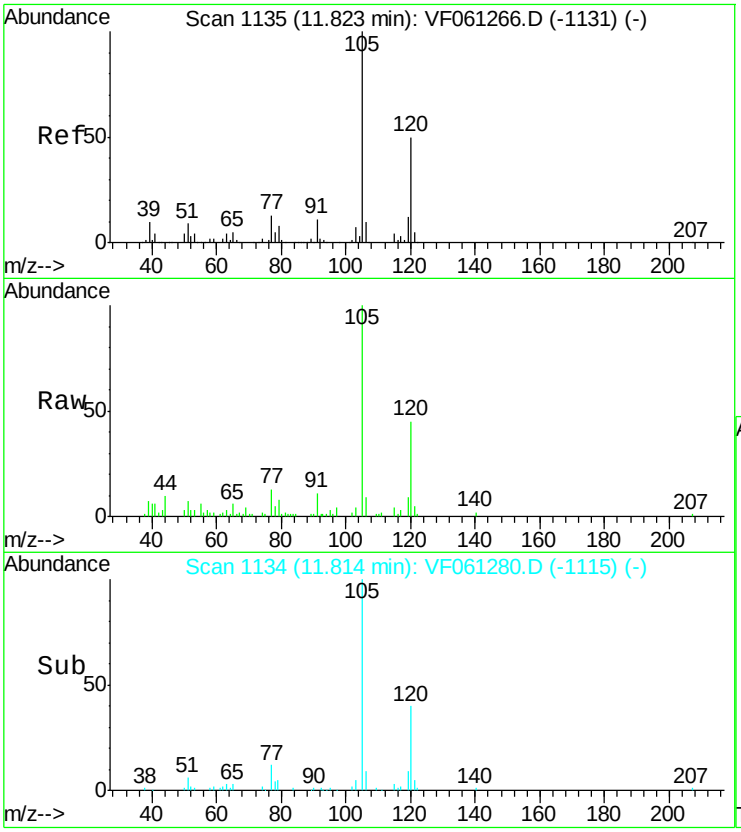


#78
n-propylbenzene
Concen: 12.937 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion: 91 Resp: 60190

Ion	Ratio	Lower	Upper
91	100		
120	18.5	10.6	31.8





#80
1,3,5-Trimethylbenzene
Concen: 7.009 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.01 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion:105 Resp: 22085

Ion	Ratio	Lower	Upper
105	100		
120	44.5	24.8	74.4

Instrument :
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ClientSampleId :
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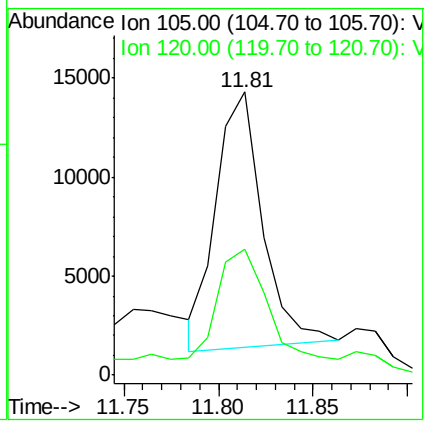
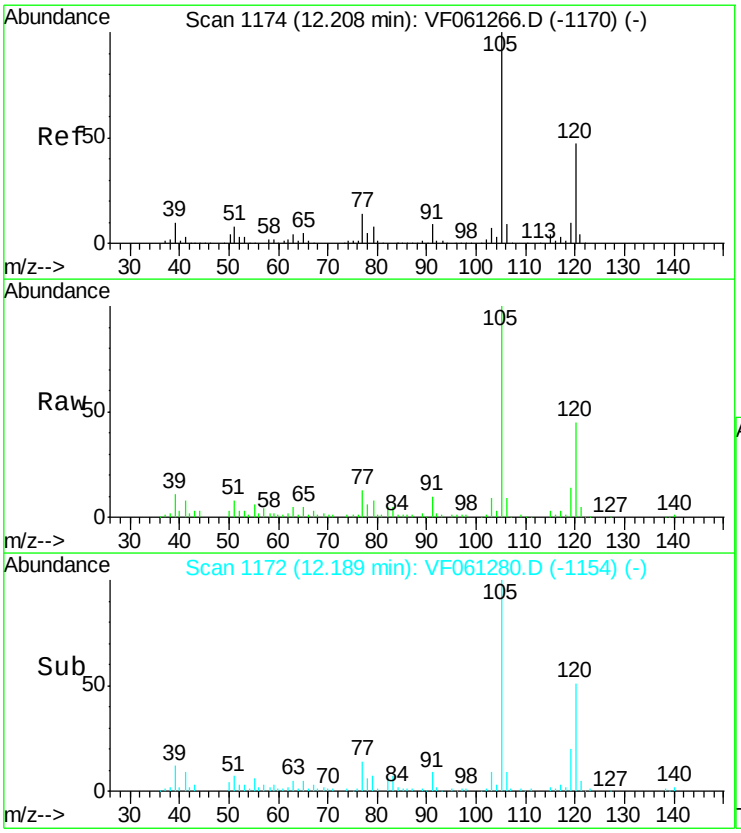
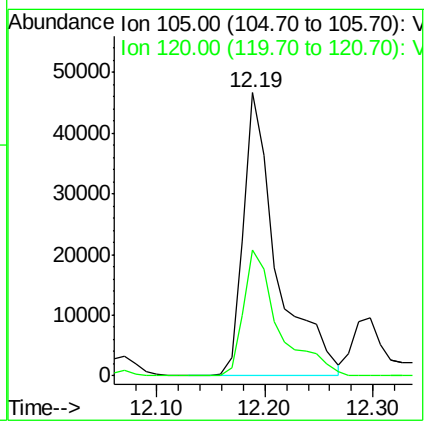


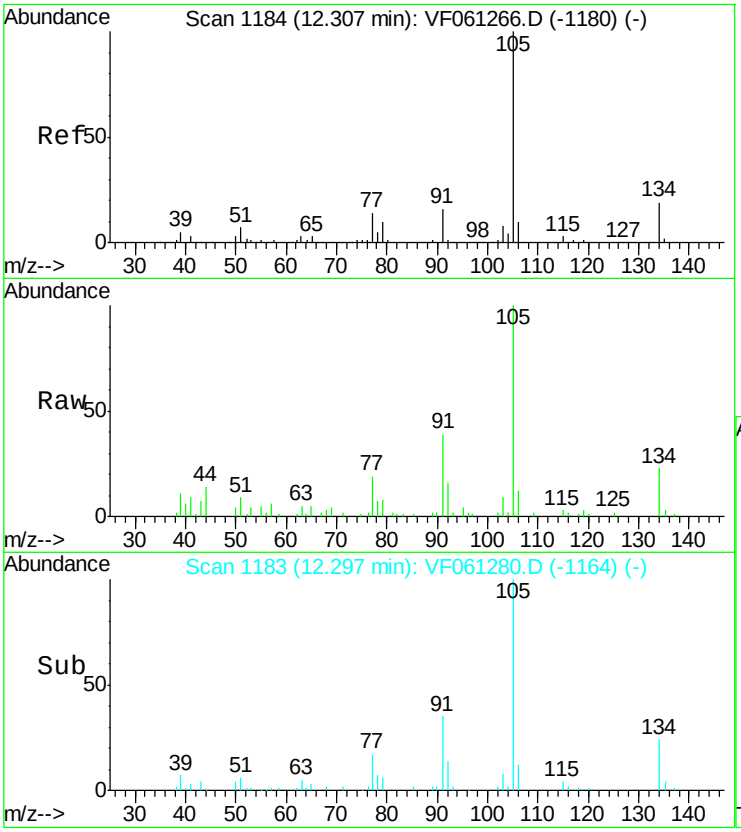


#84
1,2,4-Trimethylbenzene
Concen: 32.243 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion:105 Resp: 101147

Ion	Ratio	Lower	Upper
105	100		
120	44.6	23.3	69.9

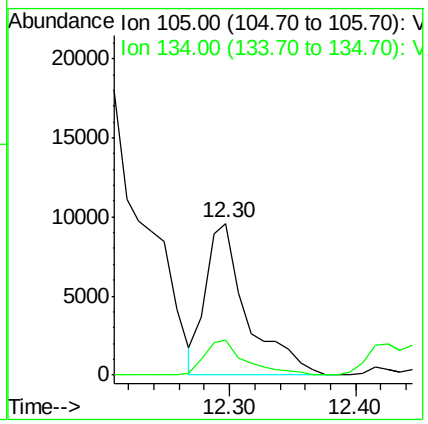




#85
sec-Butylbenzene
Concen: 4.984 ug/l
RT: 12.30 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion:105 Resp: 21964

Ion	Ratio	Lower	Upper
105	100		
134	23.5	9.4	28.2



Instrument :
MSVOA_F
ClientSampleId :
TN-1419

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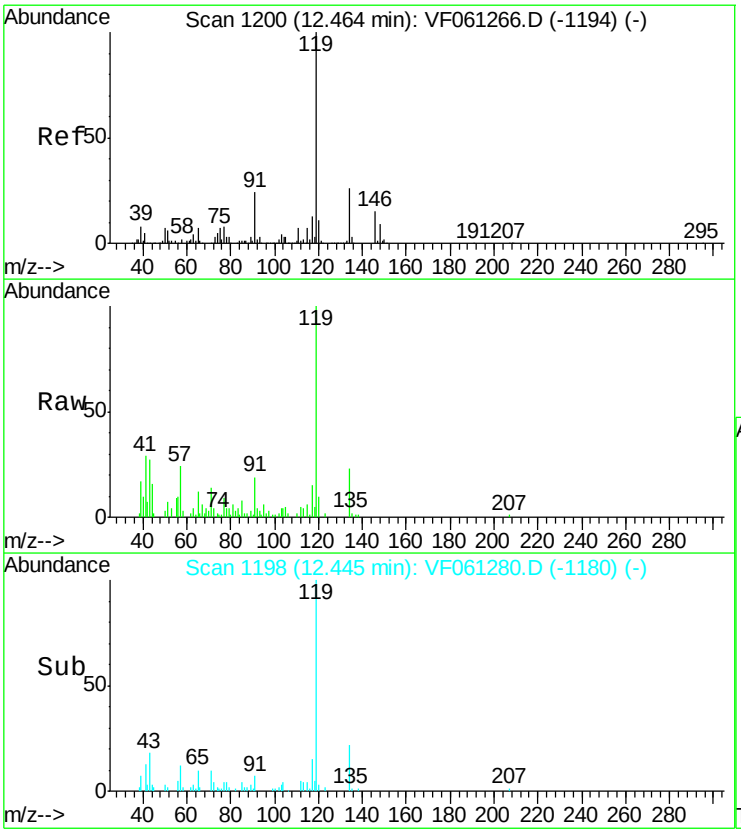
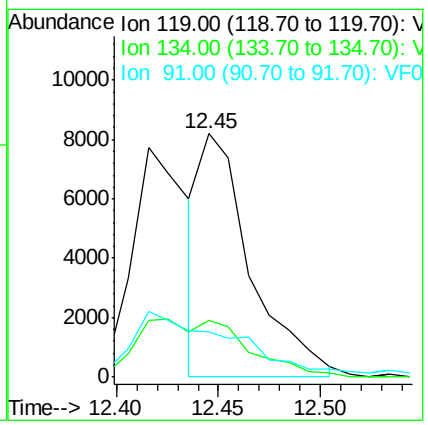
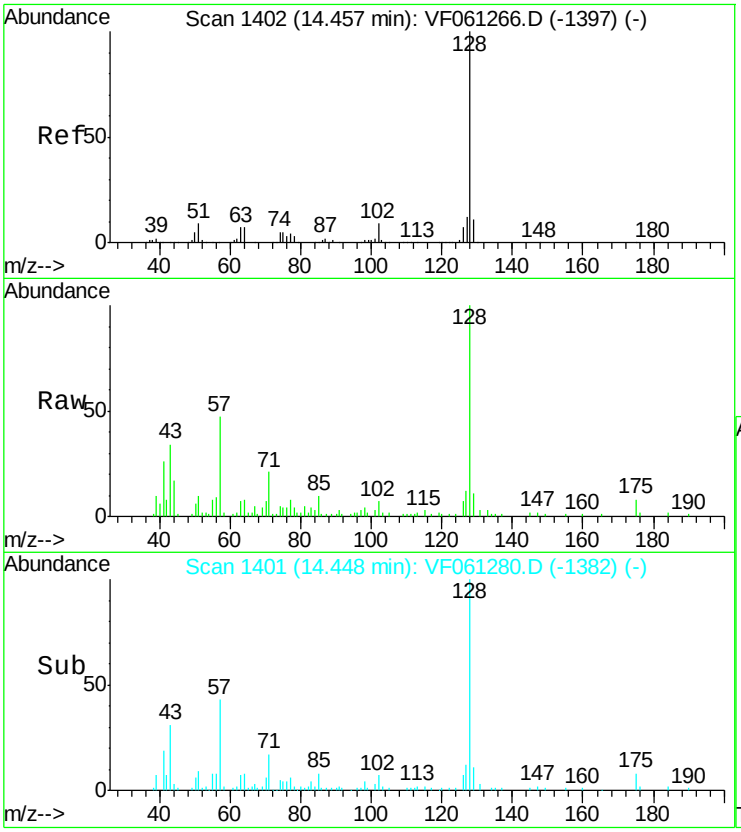


#86
p-Isopropyltoluene
Concen: 3.893 ug/l m
RT: 12.45 min Scan# 1198
Delta R.T. -0.02 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion:119 Resp: 14137

Ion	Ratio	Lower	Upper
119	100		
134	23.3	13.2	39.6
91	18.6	11.9	35.7

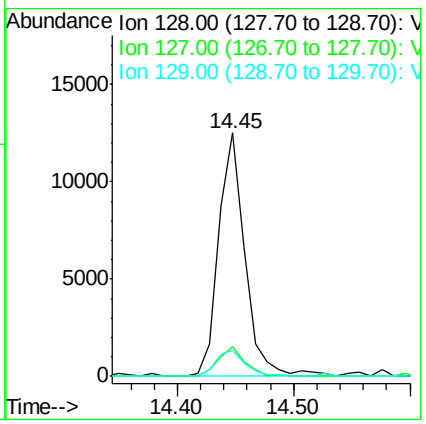




#95
Naphthalene
Concen: 9.840 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061280.D
Acq: 7 Jan 2019 15:39

Tgt Ion:128 Resp: 19673

Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.6
129	10.9	9.0	13.4



Instrument :
MSVOA_F
ClientSampleId :
TN-1419

Manual Integrations APPROVED
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