Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080620\
Data File : VL035352.D
Acq On : 6 Aug 2020 16:30
Operator : SY/AP
Sample : L3554-07DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 3-ABOVE-GROUNDDL

Manual Integrations APPROVED
MMDadoda
8/7/2020 12:54:31 PM

Quant Time: Aug 09 21:02:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1513666	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3707916	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	3546802	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2941398	9.94	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.40%			
Target Compounds						Qvalue
9) Propene	2.96	41	19939m	0.324	ppbv	
13) Ethanol	3.56	45	106618	5.021	ppbv	99
15) Acetone	3.81	43	279925	1.302	ppbv	96
26) Hexane	5.66	57	100529	0.710	ppbv #	45
53) Toluene	9.82	91	478620	1.757	ppbv	99
58) Ethyl Benzene	12.72	91	73154m	0.198	ppbv	
59) m/p-Xylene	12.98	91	191358m	0.557	ppbv	
60) o-Xylene	13.71	91	96007	0.282	ppbv	96
73) 1,3,5-Trimethylbenzene	16.02	105	36569m	0.098	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	118341	0.278	ppbv #	79
79) Naphthalene	22.26	128	419671m	1.280	ppbv	
80) Naphthalene,2-methyl-	25.01	142	26487	0.355	ppbv	96

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080620\
Data File : VL035352.D
Acq On : 6 Aug 2020 16:30
Operator : SY/AP
Sample : L3554-07DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 21:02:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
3-ABOVE-GROUNDDL

Manual Integrations APPROVED
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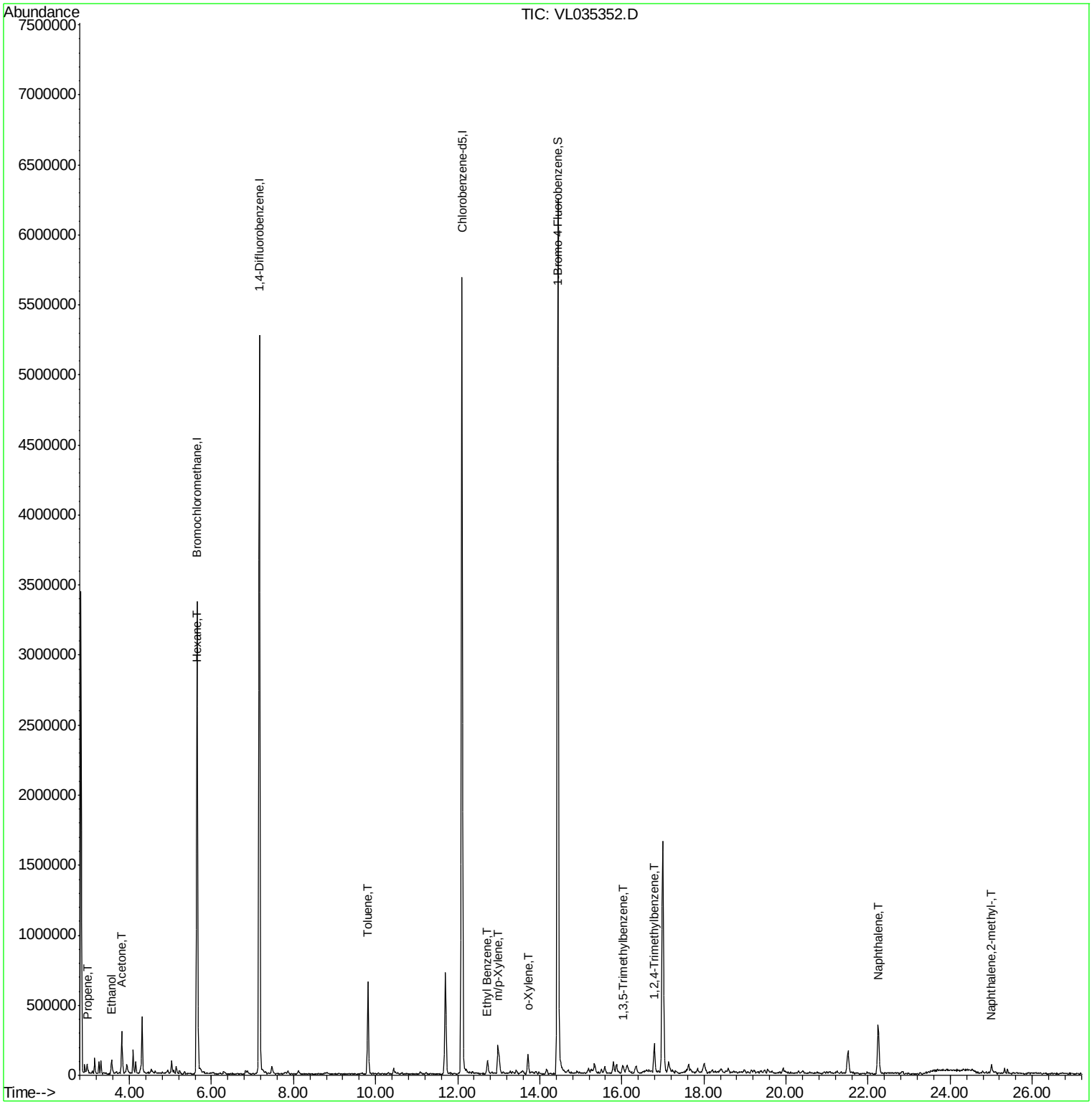
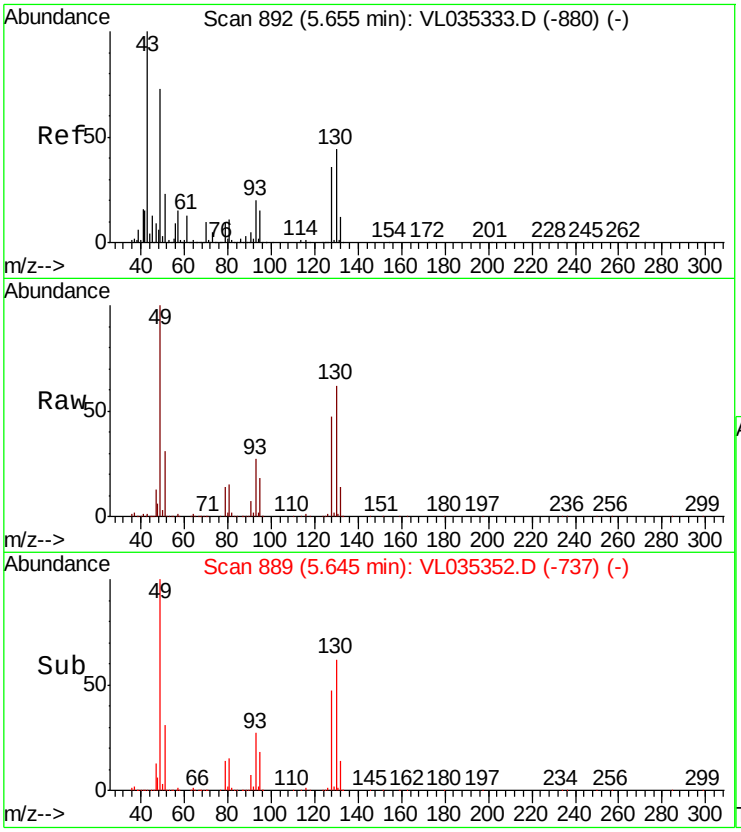
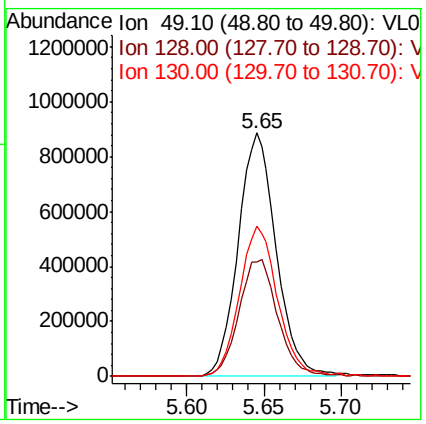




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.01 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion: 49 Resp: 1513666

Ion	Ratio	Lower	Upper
49	100		
128	49.4	25.4	76.0
130	62.4	32.1	96.3



Instrument :
MSVOA_L
ClientSampleId :
3-ABOVE-GROUNDDL

Manual Integrations APPROVED
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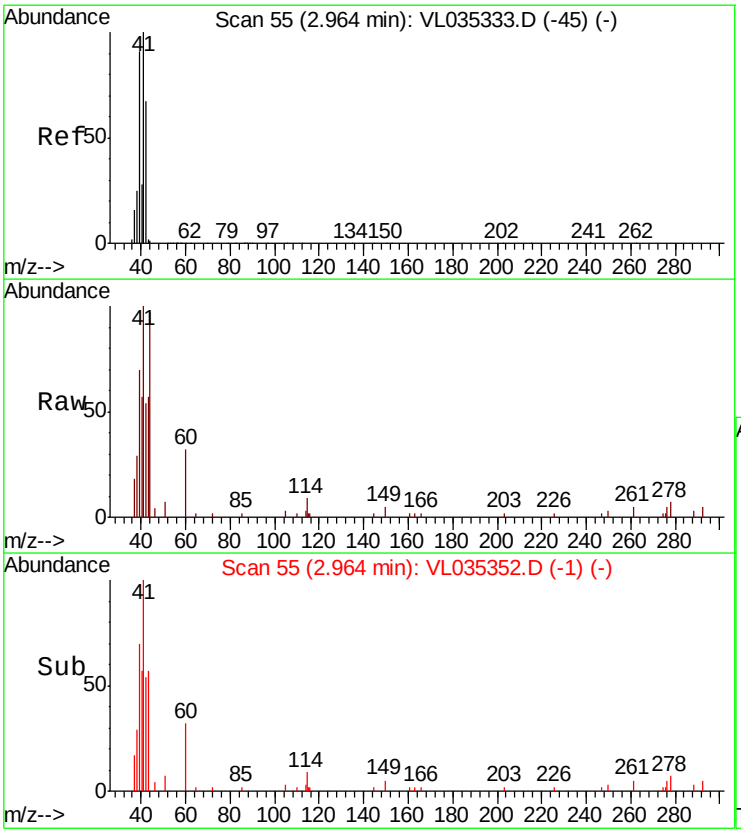
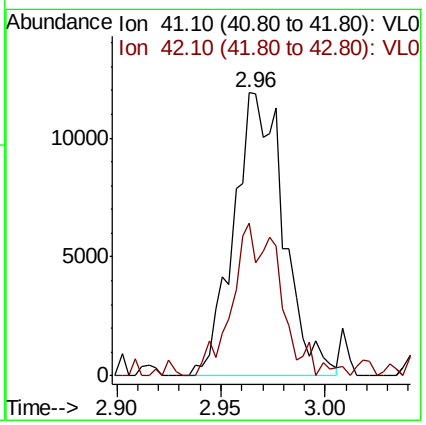
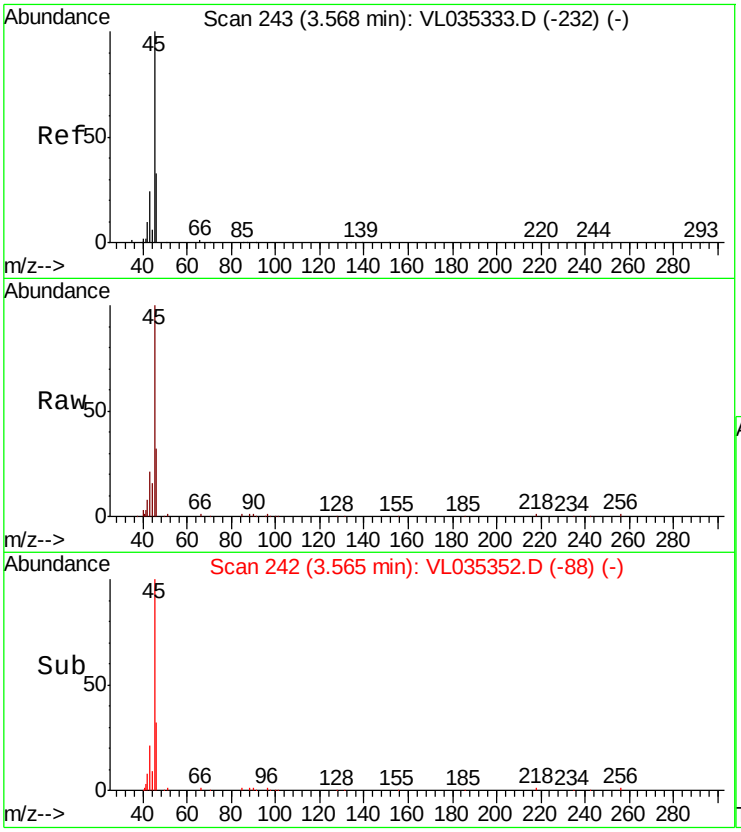


#9
Propene
Concen: 0.324 ppbv m
RT: 2.96 min Scan# 55
Delta R.T. -0.00 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion: 41 Resp: 19939

Ion	Ratio	Lower	Upper
41	100		
42	3.3	55.3	82.9#

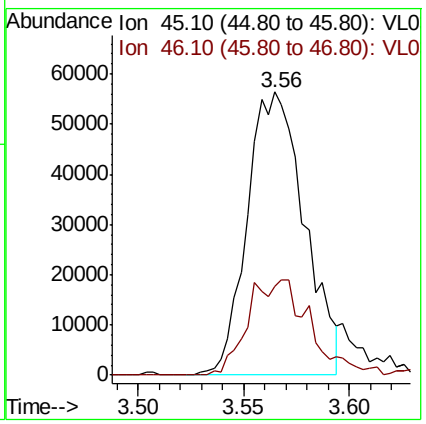




#13
Ethanol
Concen: 5.021 ppbv
RT: 3.56 min Scan# 242
Delta R.T. -0.00 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion: 45 Resp: 106618

Ion	Ratio	Lower	Upper
45	100		
46	37.2	15.2	61.0



Instrument :
MSVOA_L
ClientSampleId :
3-ABOVE-GROUNDDL

Manual Integrations APPROVED
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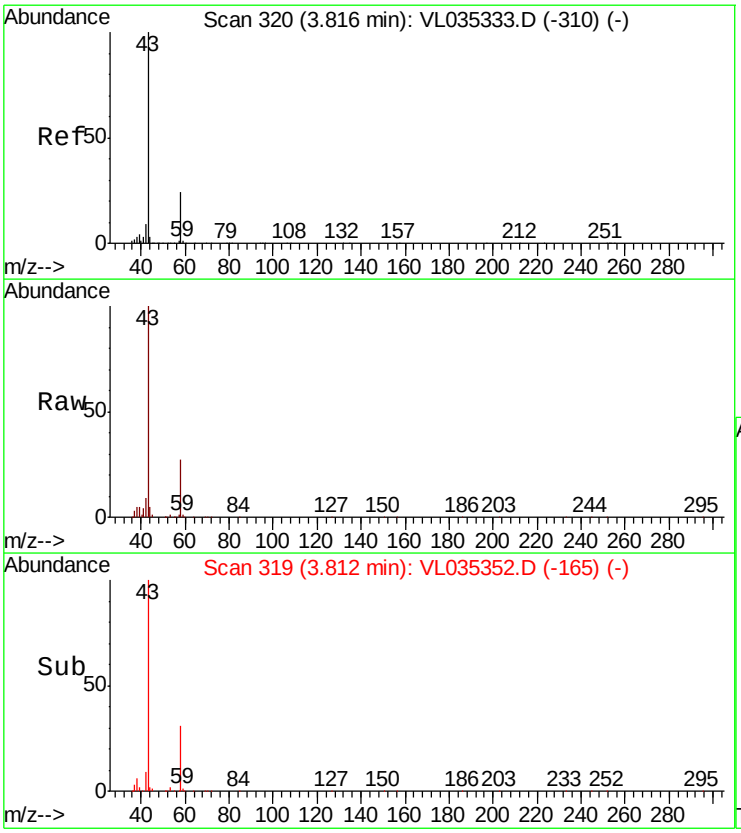
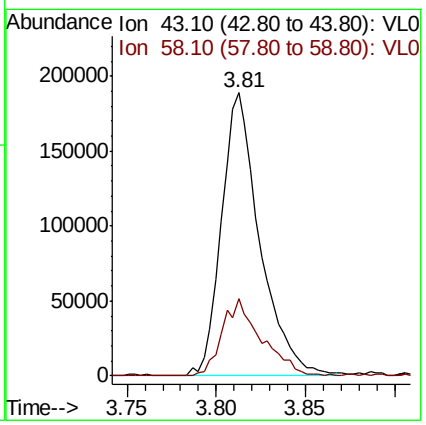
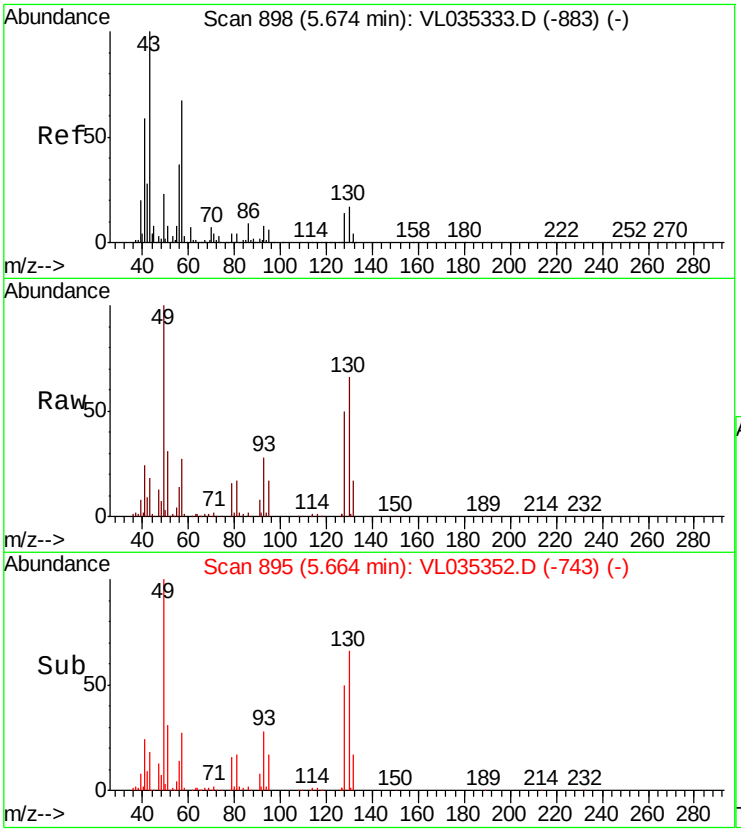


#15
Acetone
Concen: 1.302 ppbv
RT: 3.81 min Scan# 319
Delta R.T. -0.00 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion: 43 Resp: 279925

Ion	Ratio	Lower	Upper
43	100		
58	28.4	21.0	31.4

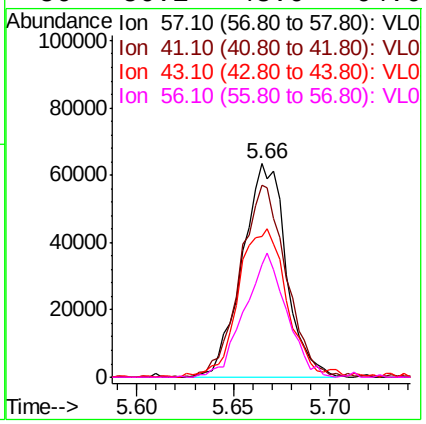




#26
Hexane
Concen: 0.710 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion: 57 Resp: 100529

Ion	Ratio	Lower	Upper
57	100		
41	94.6	75.2	112.8
43	77.7	180.6	270.8#
56	56.1	43.0	64.6



Instrument :
MSVOA_L
ClientSampleId :
3-ABOVE-GROUNDDL

Manual Integrations APPROVED
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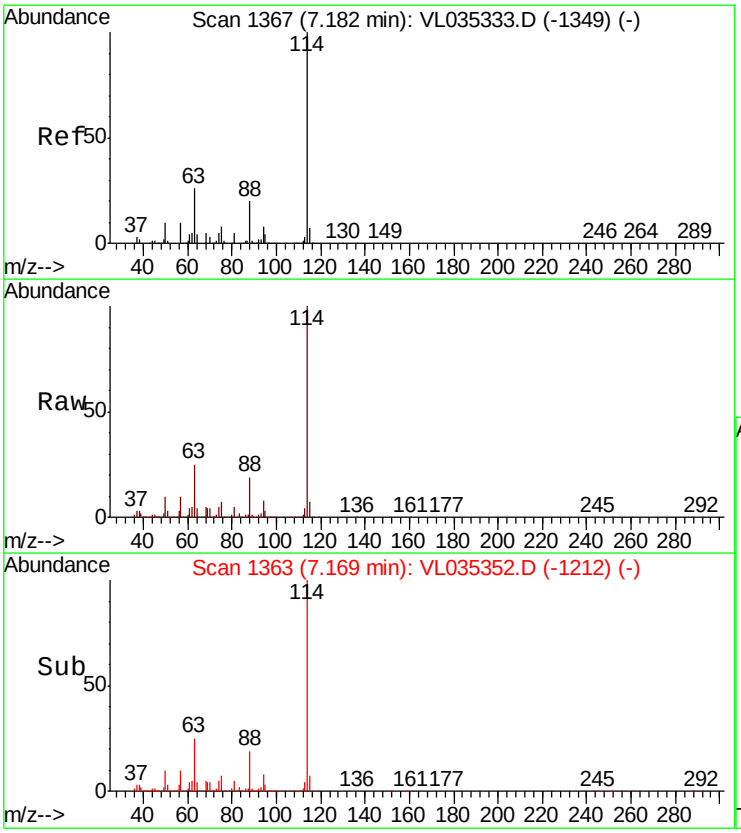
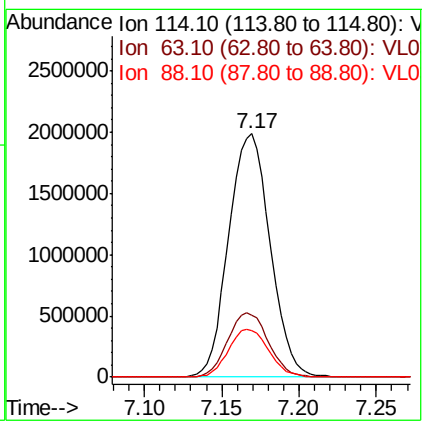
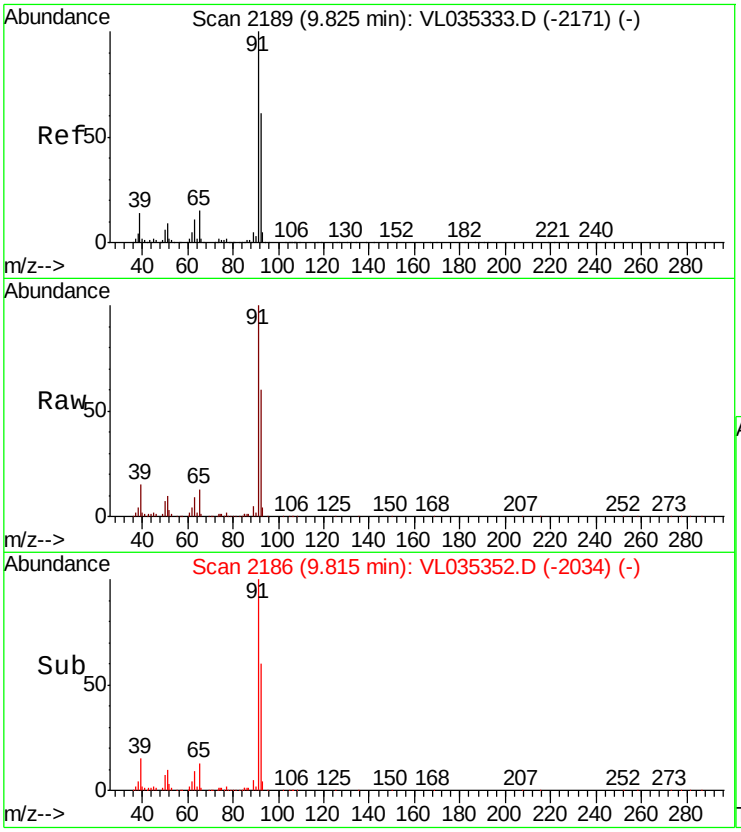


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion:114 Resp: 3707916

Ion	Ratio	Lower	Upper
114	100		
63	25.9	21.3	31.9
88	19.2	15.3	22.9





#53
Toluene
Concen: 1.757 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.01 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion: 91 Resp: 478620

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.5	72.7

Instrument :
MSVOA_L
ClientSampleId :
3-ABOVE-GROUNDDL

Manual Integrations APPROVED
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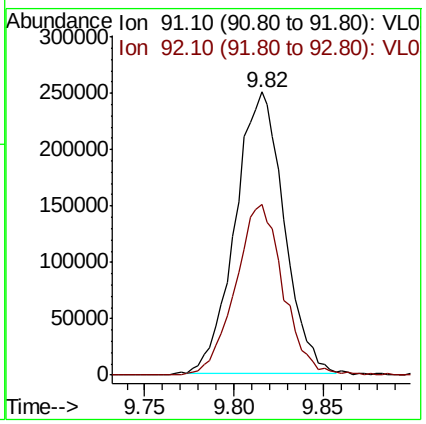
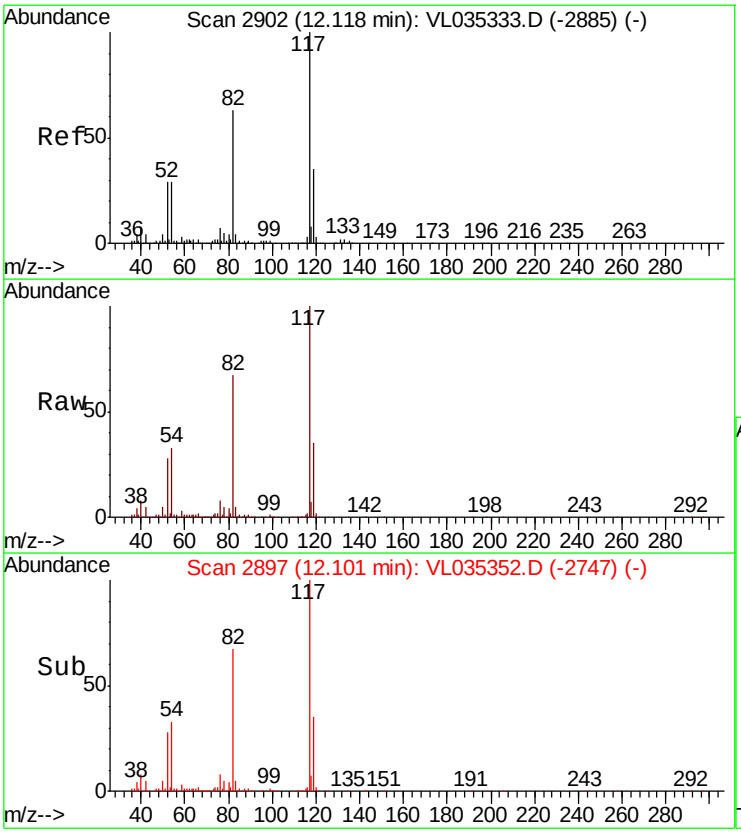
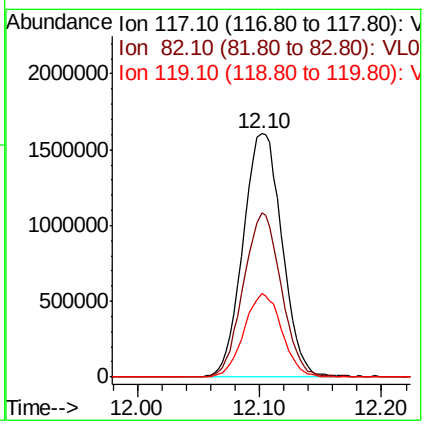


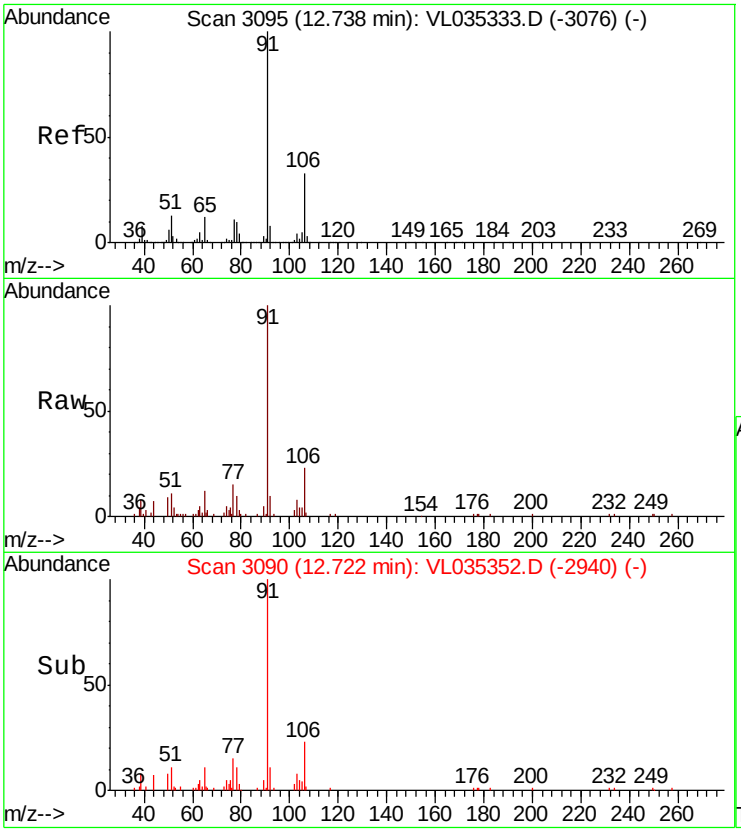


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion:117 Resp: 3546802

Ion	Ratio	Lower	Upper
117	100		
82	65.8	51.0	76.4
119	33.5	24.7	37.1





#58
Ethyl Benzene
Concen: 0.198 ppbv m
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion: 91 Resp: 73154

Ion	Ratio	Lower	Upper
91	100		
106	22.8	26.8	40.2#

Instrument :
MSVOA_L
ClientSampleId :
3-ABOVE-GROUNDDL

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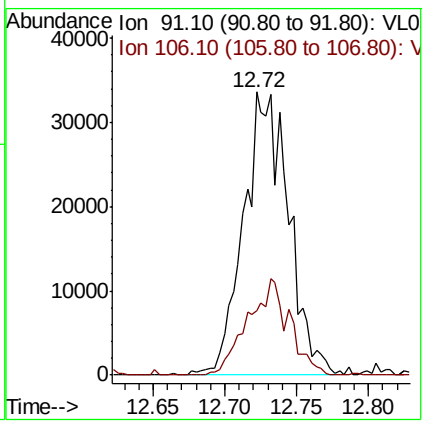
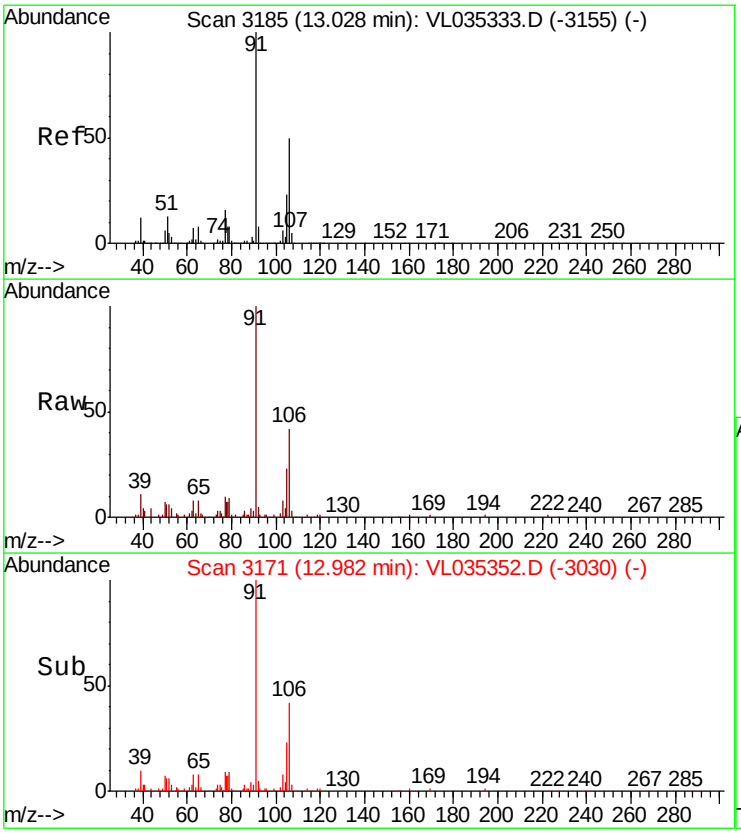
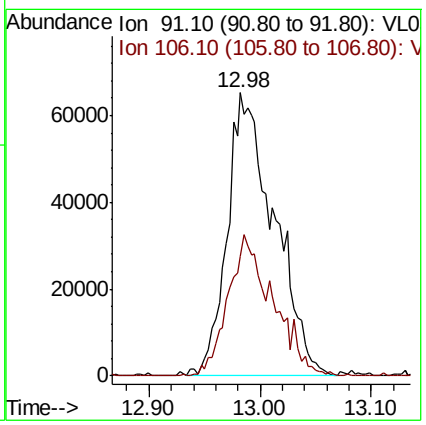


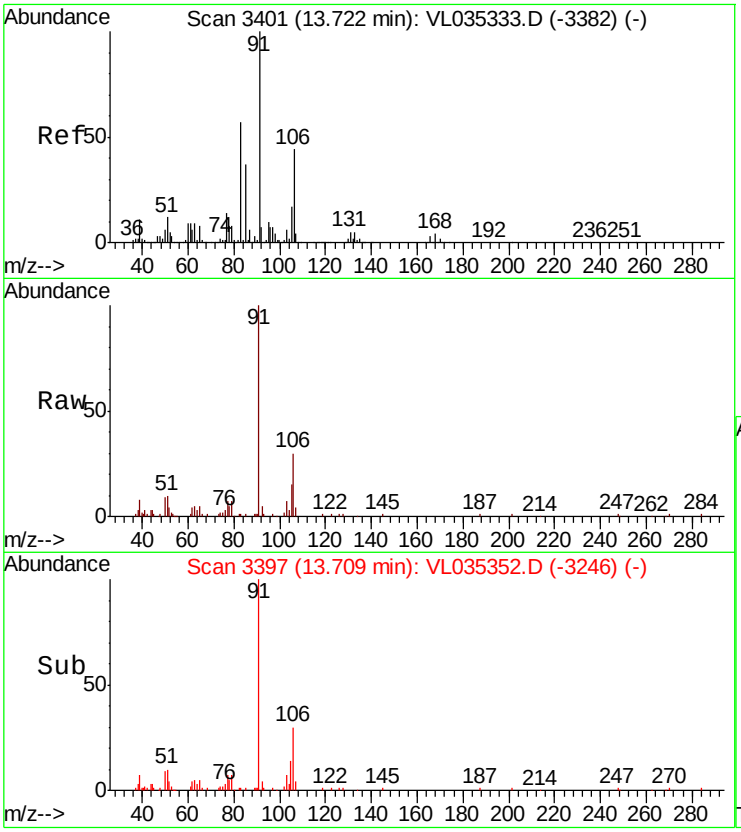


#59
m/p-Xylene
Concen: 0.557 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.05 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion: 91 Resp: 191358

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.8	56.8#





#60
o-Xylene
Concen: 0.282 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion: 91 Resp: 96007

Ion	Ratio	Lower	Upper
91	100		
106	42.5	22.7	68.0

Instrument :
MSVOA_L
ClientSampleId :
3-ABOVE-GROUNDDL

Manual Integrations APPROVED
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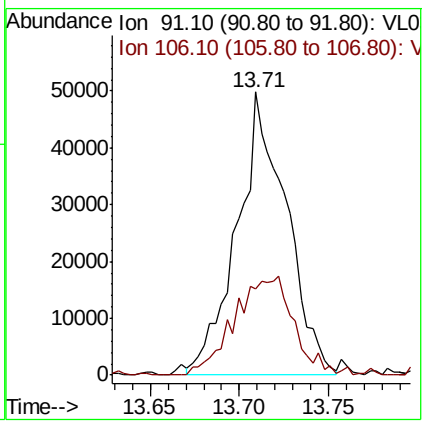
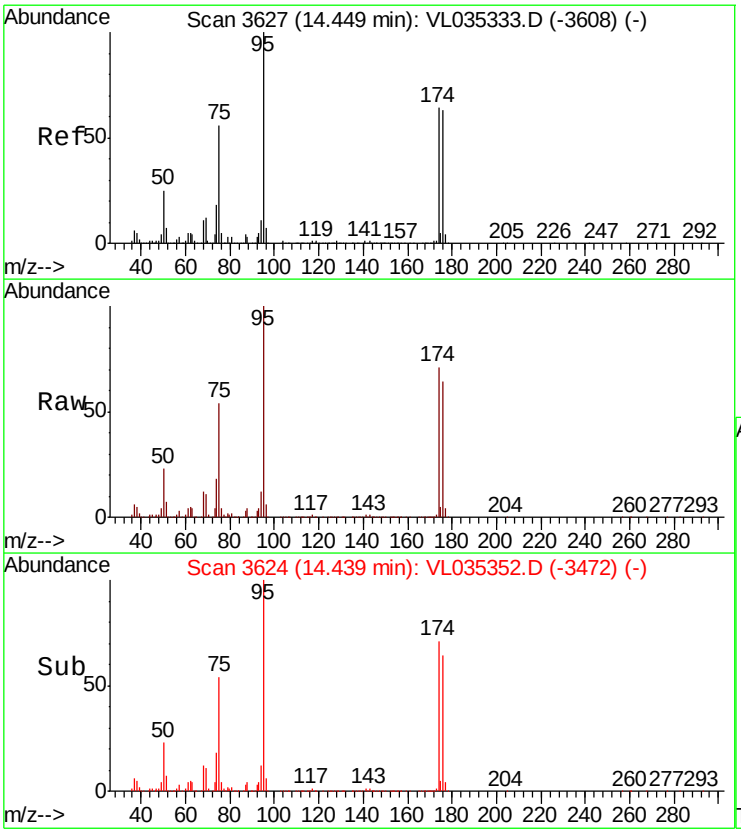
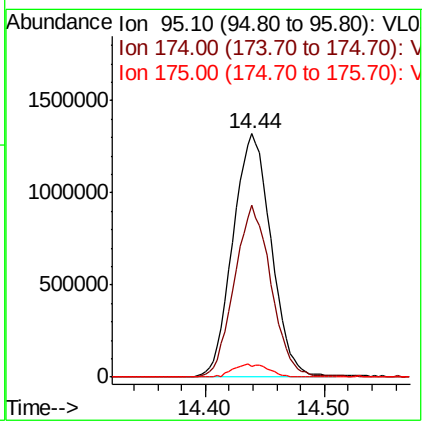


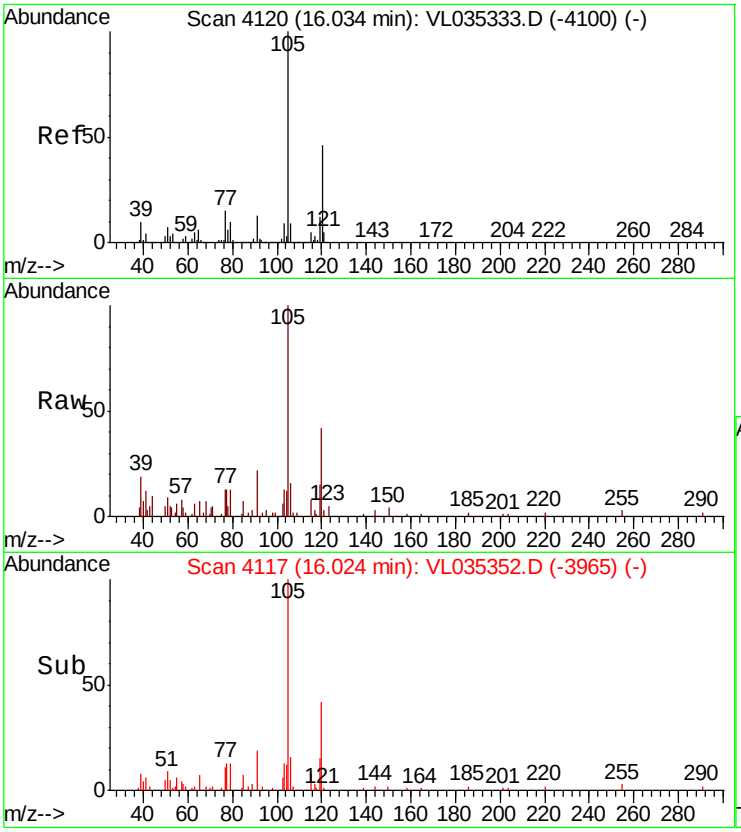


#68
1-Bromo-4-Fluorobenzene
Concen: 9.945 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. -0.01 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion: 95 Resp: 2941398

Ion	Ratio	Lower	Upper
95	100		
174	68.1	53.5	80.3
175	5.2	4.2	6.2

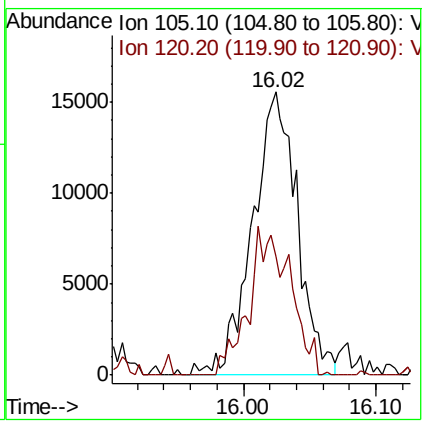




#73
1,3,5-Trimethylbenzene
Concen: 0.098 ppbv m
RT: 16.02 min Scan# 4117
Delta R.T. -0.01 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion:105 Resp: 36569

Ion	Ratio	Lower	Upper
105	100		
120	41.7	36.9	55.3



Instrument :
MSVOA_L
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3-ABOVE-GROUNDDL

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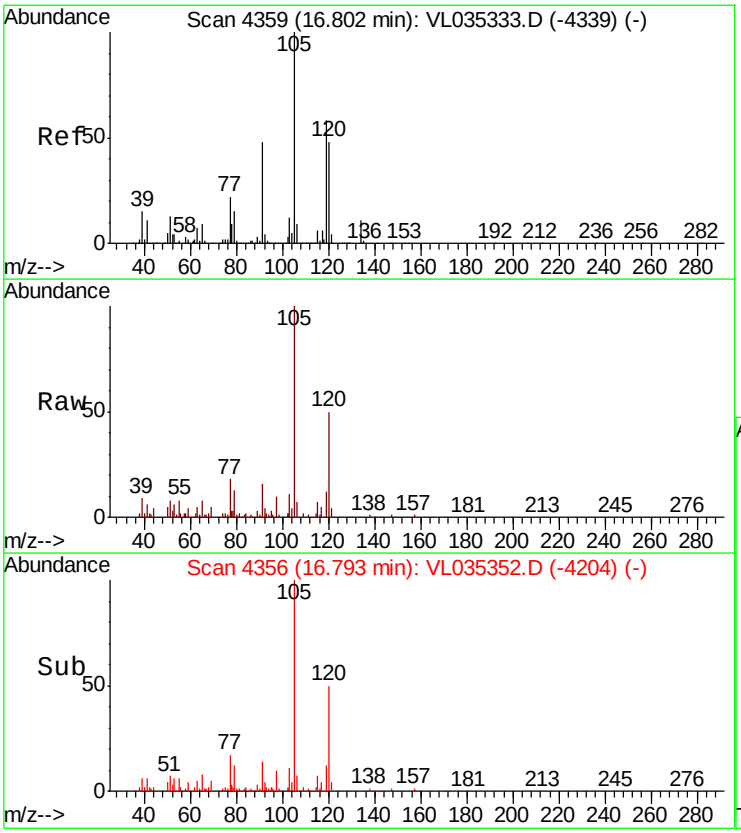
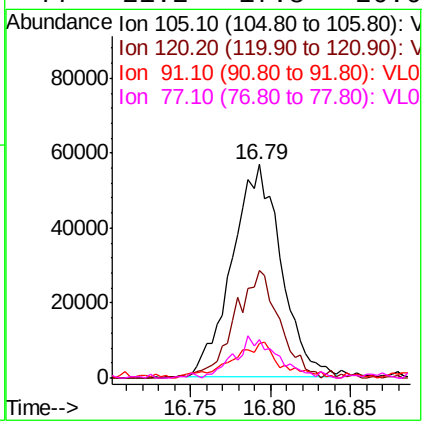
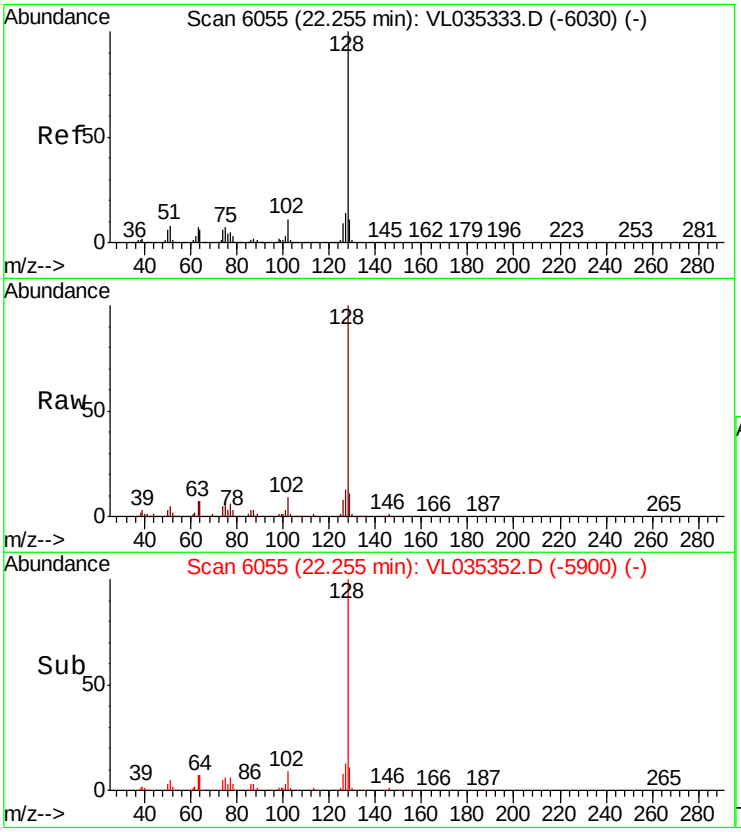


#74
1,2,4-Trimethylbenzene
Concen: 0.278 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. -0.01 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion:105 Resp: 118341

Ion	Ratio	Lower	Upper
105	100		
120	50.2	38.5	57.7
91	16.2	39.0	58.6#
77	21.2	17.8	26.6

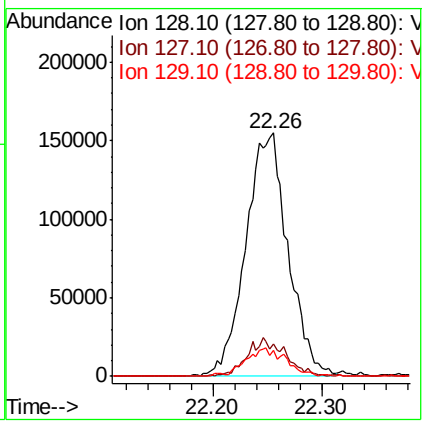




#79
Naphthalene
Concen: 1.280 ppbv m
RT: 22.26 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

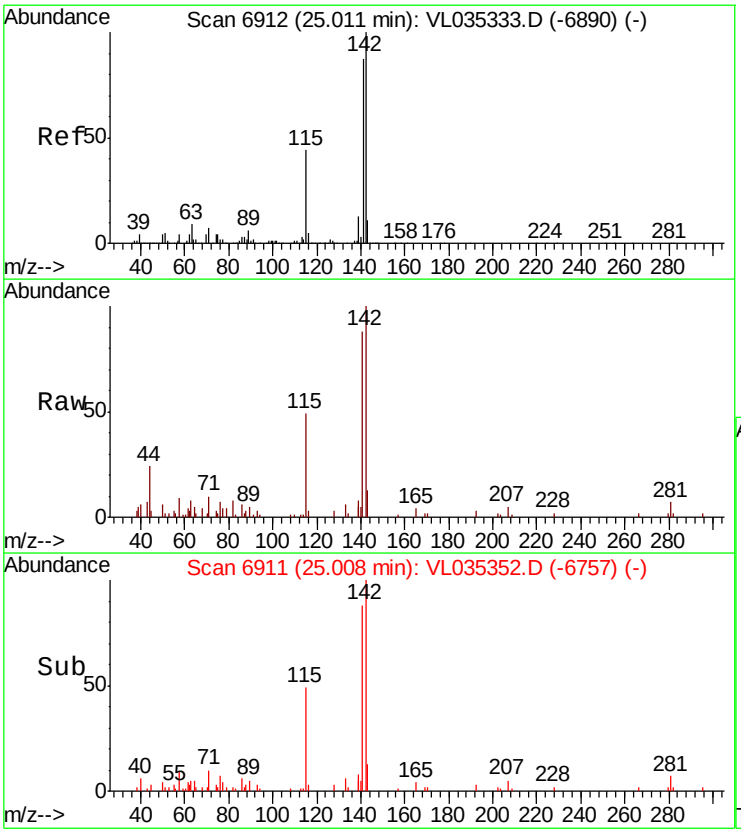
Tgt Ion:128 Resp: 419671

Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.1	16.7
129	10.8	8.7	13.1



Instrument :
MSVOA_L
ClientSampleId :
3-ABOVE-GROUNDDL

Manual Integrations APPROVED
MMDadoda
8/7/2020 12:54:31 PM



#80
Naphthalene,2-methyl-
Concen: 0.355 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. -0.00 min
Lab File: VL035352.D
Acq: 6 Aug 2020 16:30

Tgt Ion:142 Resp: 26487

Ion	Ratio	Lower	Upper
142	100		
141	88.1	69.0	103.6
115	49.0	35.5	53.3