Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092419\
Data File : VL034202.D
Acq On : 24 Sep 2019 15:18
Operator : SY/AP
Sample : K5011-01DUP 4.8X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : AIR-01DUP

Manual Integrations APPROVED
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9/26/2019 12:39:35 AM

Quant Time: Sep 25 10:13:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 1
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.70	49	1141747	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.22	114	1933810	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.16	117	1975471	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.50	95	1740875	10.14	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.40%				
Target Compounds							Qvalue
9) Propene	3.01	41	26252	0.397	ppbv	#	75
11) Trichlorofluoromethane	3.96	101	14288m	0.093	ppbv		
13) Ethanol	3.60	45	400517	25.042	ppbv		96
15) Acetone	3.85	43	780586	5.101	ppbv		94
17) tert-Butyl alcohol	4.31	59	111395	1.149	ppbv		98
19) Isopropyl Alcohol	3.97	45	130704	1.389	ppbv	#	1
20) Methylene Chloride	4.36	84	159265	3.610	ppbv		95
26) Hexane	5.72	57	241324	2.005	ppbv	#	70
29) Chloroform	5.78	83	324275	1.885	ppbv		94
30) Cyclohexane	7.17	84	32008m	0.368	ppbv		
31) cis-1,2-Dichloroethene	5.58	61	31147m	0.254	ppbv		
34) 2-Butanone	5.28	43	70703	0.358	ppbv		97
38) Trichloroethene	7.89	130	494380	6.478	ppbv		97
53) Toluene	9.87	91	617297	2.645	ppbv		97
59) m/p-Xylene	13.04	91	75864m	0.287	ppbv		

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

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QLast Update : Wed Sep 18 12:53:31 2019
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Instrument :
MSVOA_L
ClientSampleId :
AIR-01DUP

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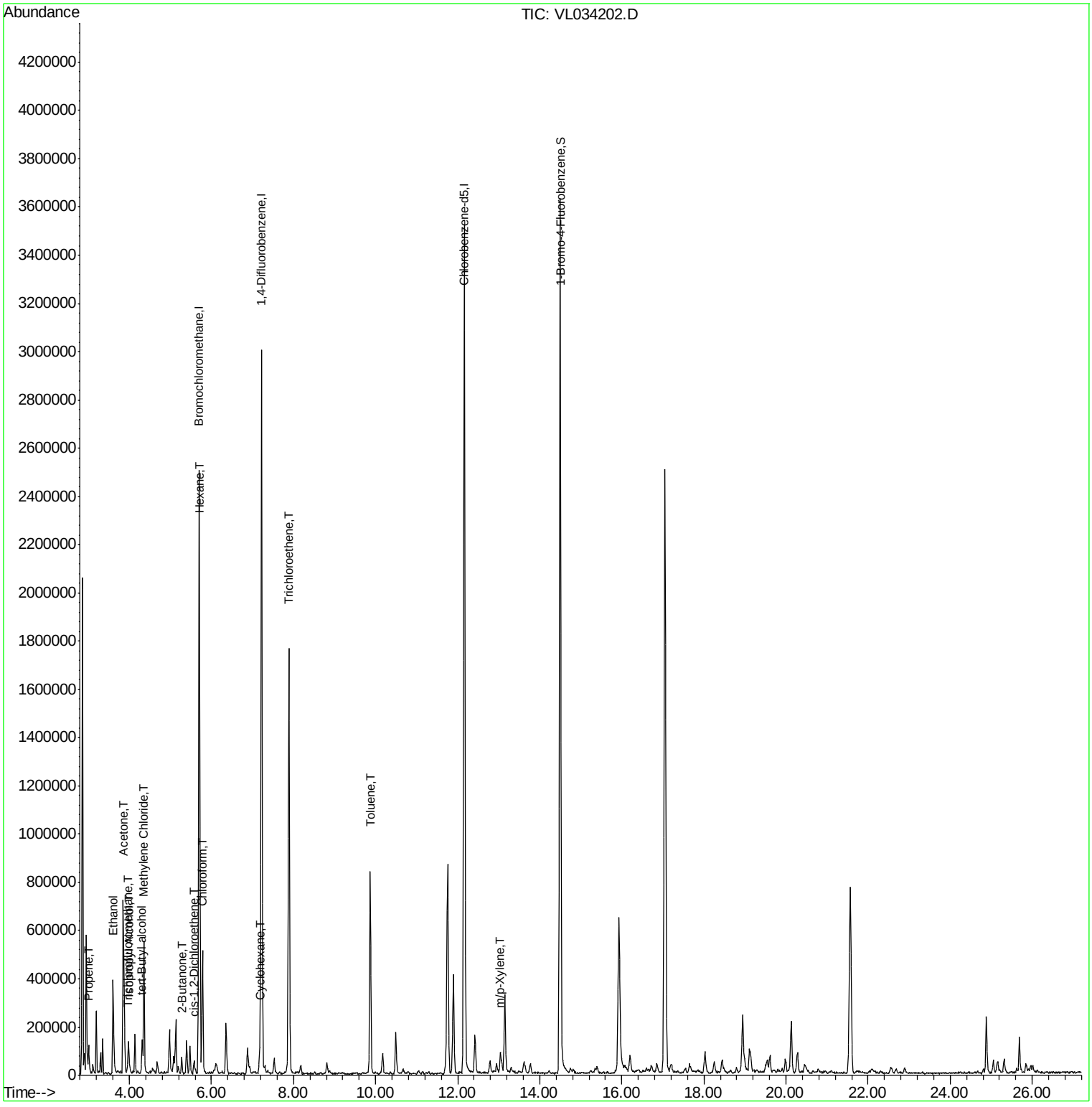
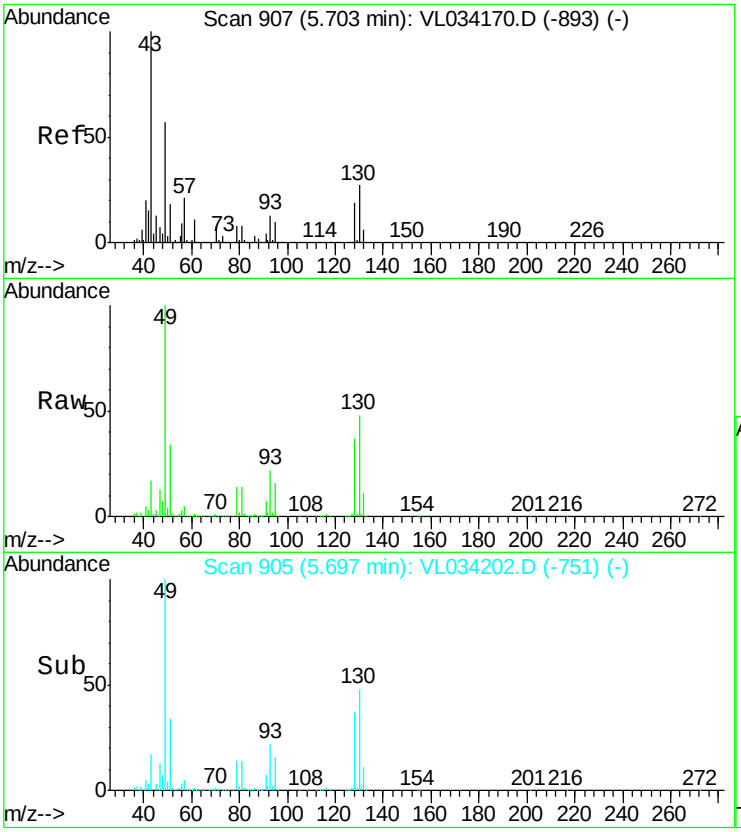
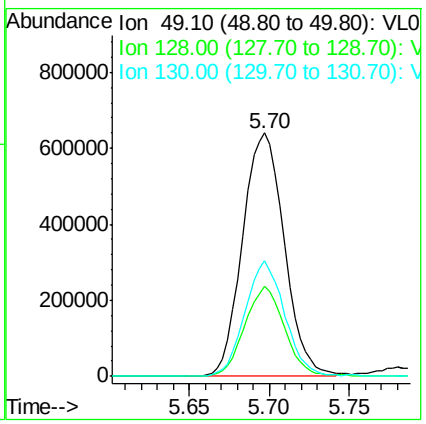




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 49 Resp: 1141747

Ion	Ratio	Lower	Upper
49	100		
128	35.6	17.6	52.9
130	45.5	22.3	66.9



Instrument :
MSVOA_L
ClientSampleId :
AIR-01DUP

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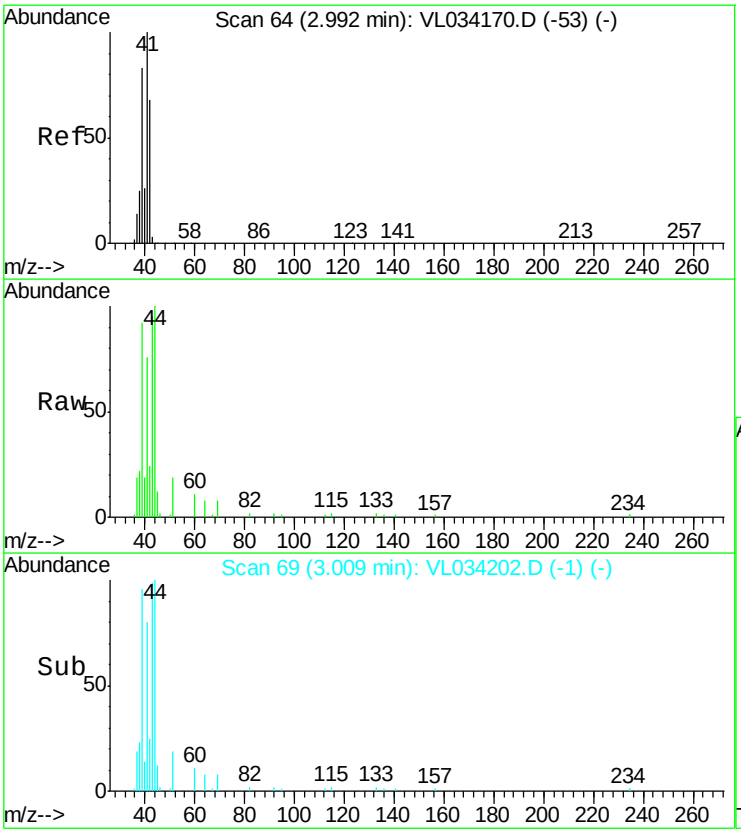
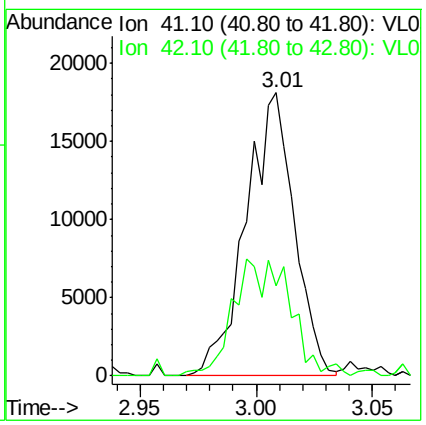
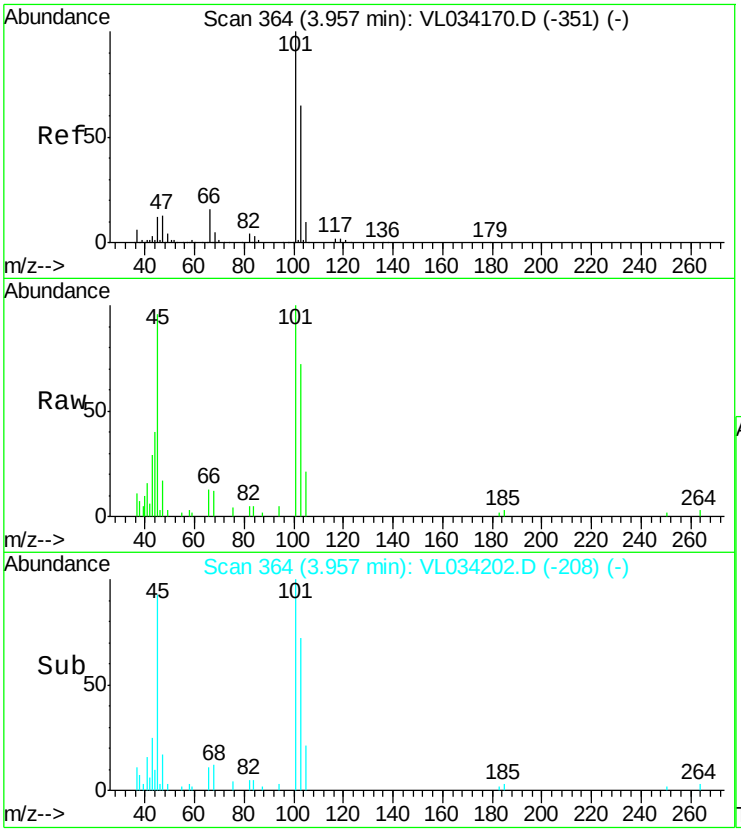


#9
Propene
Concen: 0.397 ppbv
RT: 3.01 min Scan# 69
Delta R.T. 0.02 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 41 Resp: 26252

Ion	Ratio	Lower	Upper
41	100		
42	49.1	55.8	83.6#

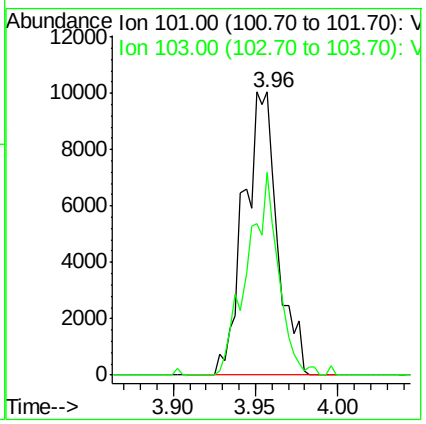




#11
Trichlorofluoromethane
Concen: 0.093 ppbv m
RT: 3.96 min Scan# 364
Delta R.T. 0.00 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion:101 Resp: 14288

Ion	Ratio	Lower	Upper
101	100		
103	71.7	52.1	78.1



Instrument :
MSVOA_L
ClientSampleId :
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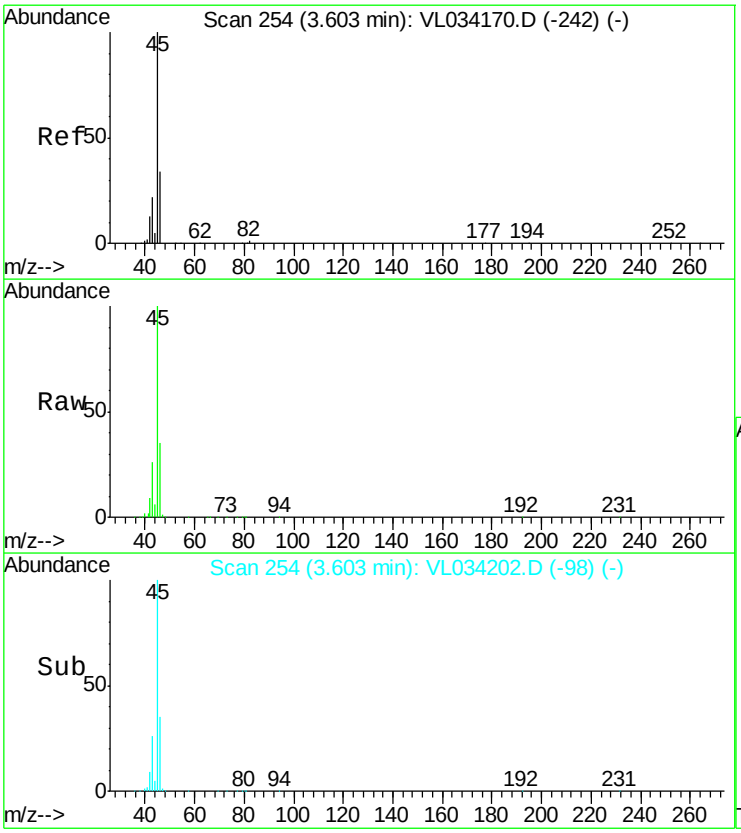
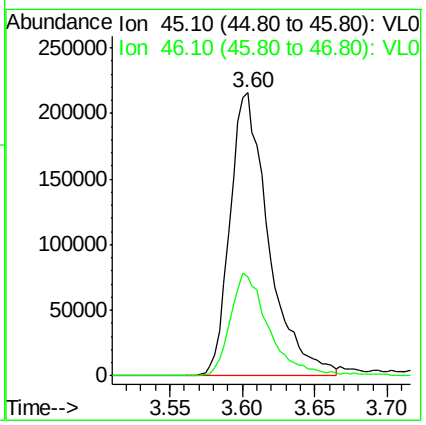
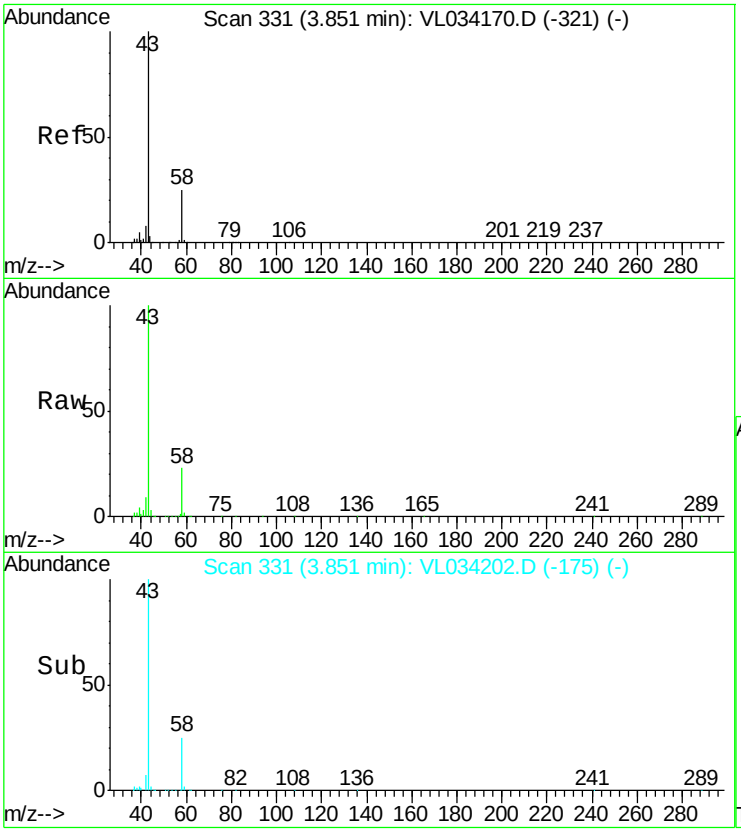


#13
Ethanol
Concen: 25.042 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 45 Resp: 400517

Ion	Ratio	Lower	Upper
45	100		
46	36.3	15.5	61.9

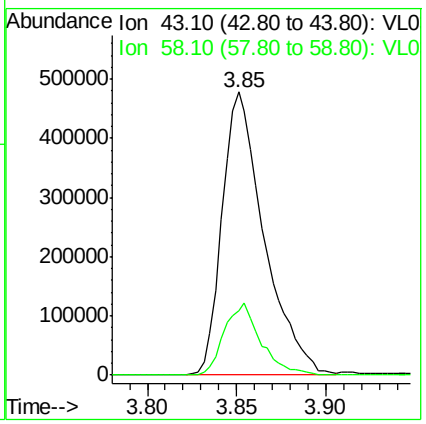




#15
Acetone
Concen: 5.101 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 43 Resp: 780586

Ion	Ratio	Lower	Upper
43	100		
58	22.5	20.5	30.7



Instrument :
MSVOA_L
ClientSampleId :
AIR-01DUP

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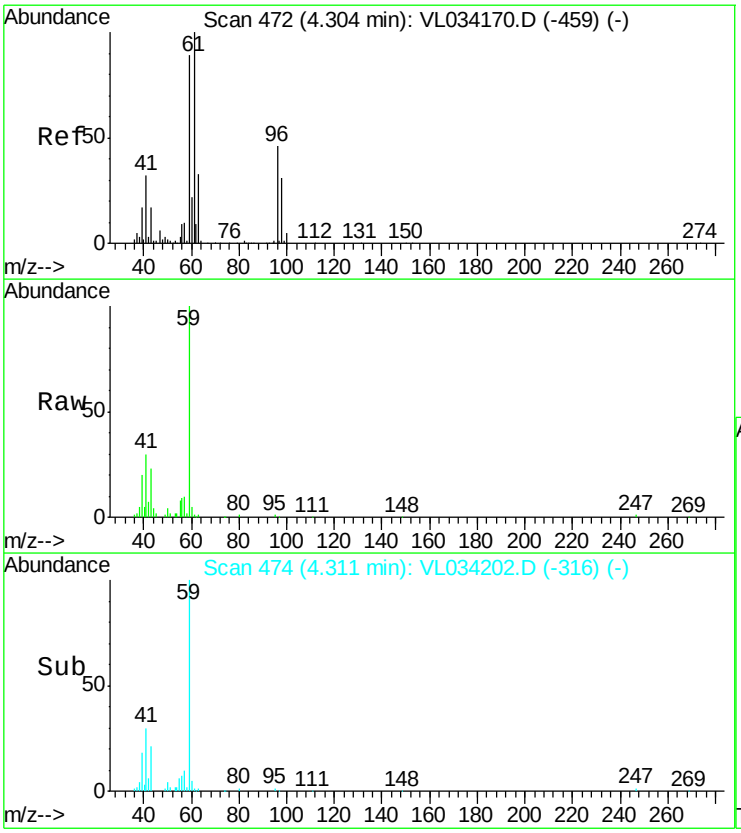
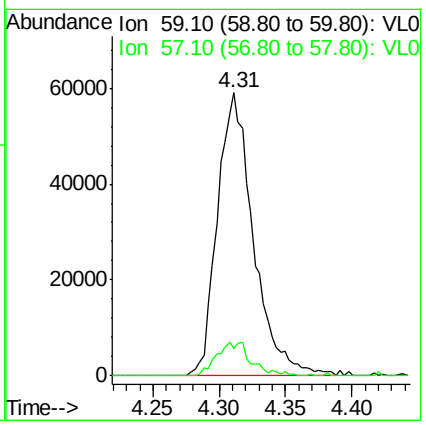
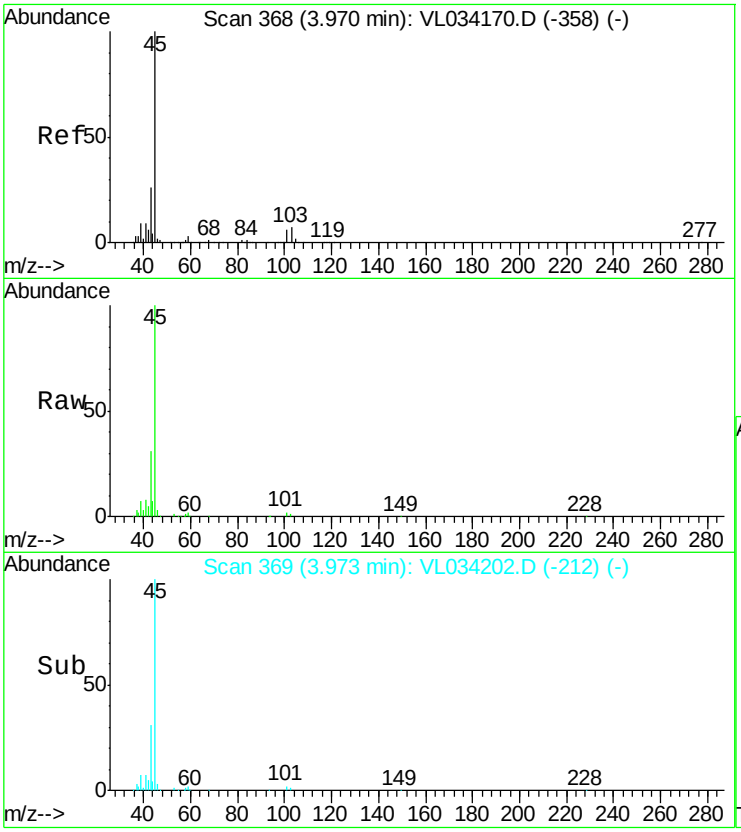


#17
tert-Butyl alcohol
Concen: 1.149 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.01 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 59 Resp: 111395

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.7	13.1

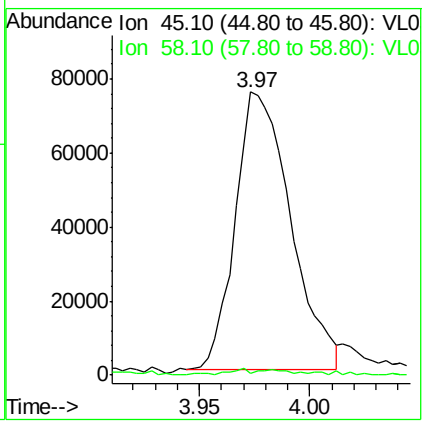




#19
Isopropyl Alcohol
Concen: 1.389 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.00 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 45 Resp: 130704

Ion	Ratio	Lower	Upper
45	100		
58	134.7	1.4	2.0#



Instrument :
MSVOA_L
ClientSampleId :
AIR-01DUP

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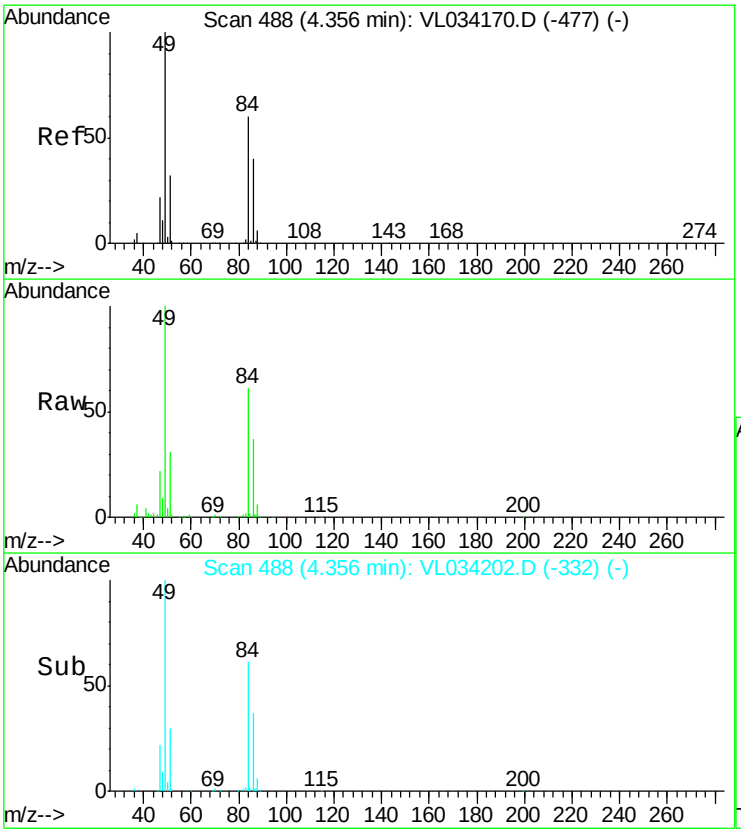
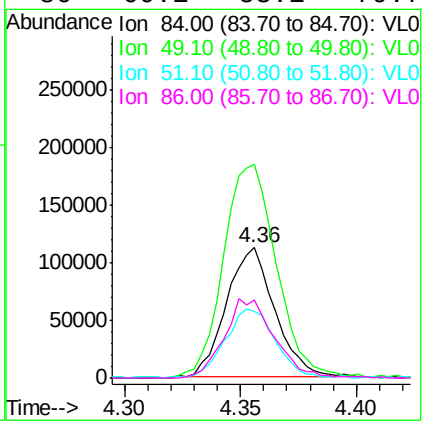
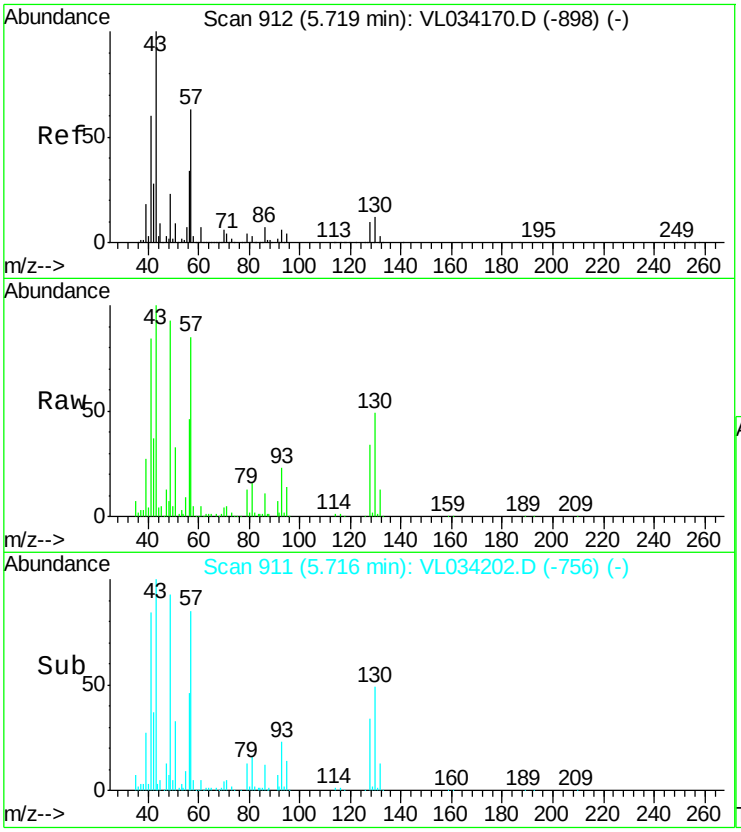


#20
Methylene Chloride
Concen: 3.610 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.00 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 84 Resp: 159265

Ion	Ratio	Lower	Upper
84	100		
49	162.1	133.8	200.8
51	50.4	43.6	65.4
86	60.1	53.1	79.7

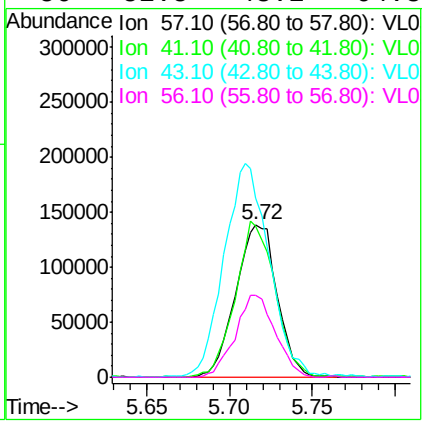




#26
Hexane
Concen: 2.005 ppbv
RT: 5.72 min Scan# 911
Delta R.T. -0.00 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 57 Resp: 241324

Ion	Ratio	Lower	Upper
57	100		
41	99.1	78.5	117.7
43	154.4	189.5	284.3#
56	52.5	43.2	64.8



Instrument :
MSVOA_L
ClientSampleId :
AIR-01DUP

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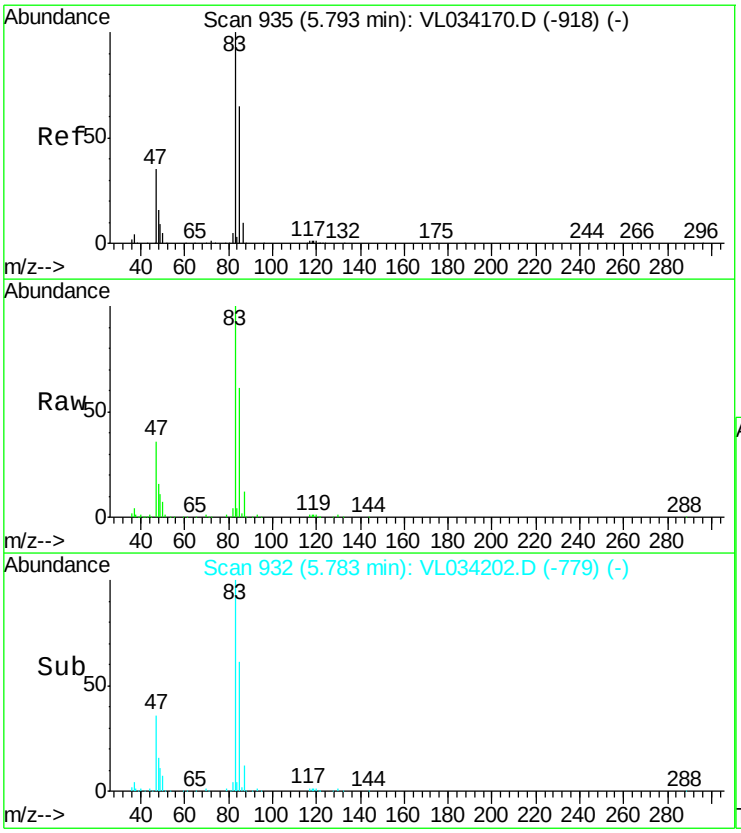
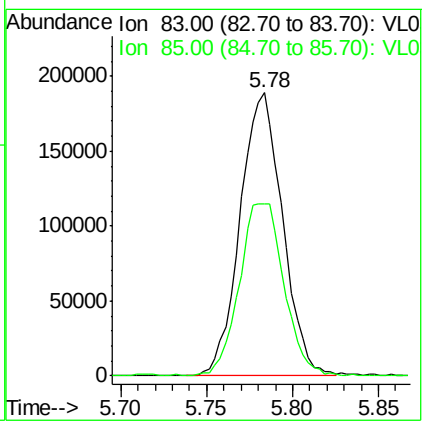
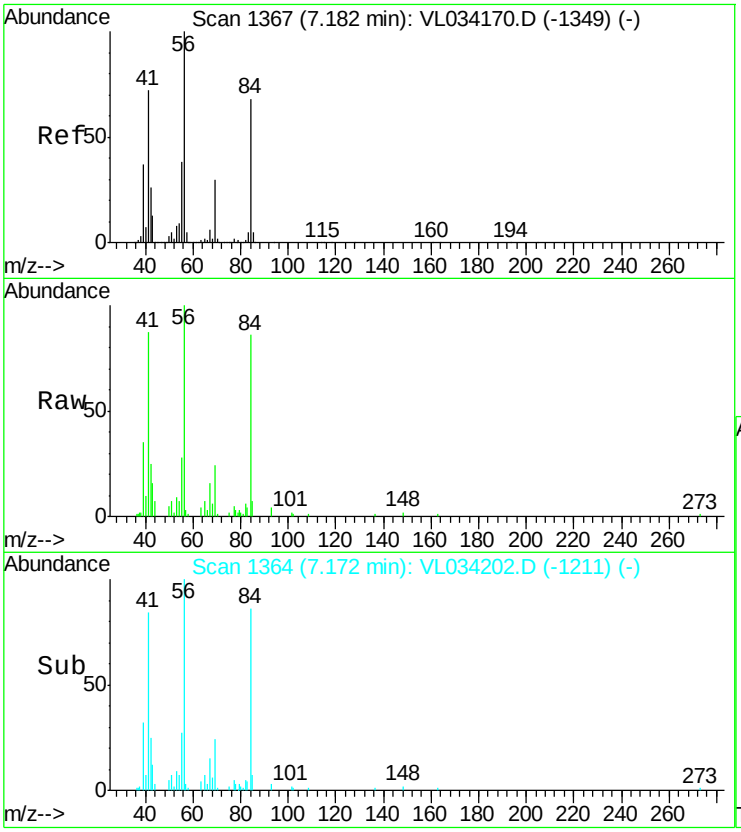


#29
Chloroform
Concen: 1.885 ppbv
RT: 5.78 min Scan# 932
Delta R.T. -0.01 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 83 Resp: 324275

Ion	Ratio	Lower	Upper
83	100		
85	60.7	52.3	78.5

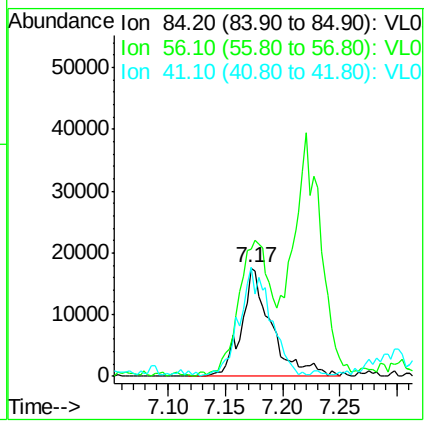




#30
Cyclohexane
Concen: 0.368 ppbv m
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 84 Resp: 32008

Ion	Ratio	Lower	Upper
84	100		
56	135.4	126.2	189.2
41	103.4	85.8	128.8



Instrument :
MSVOA_L
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AIR-01DUP

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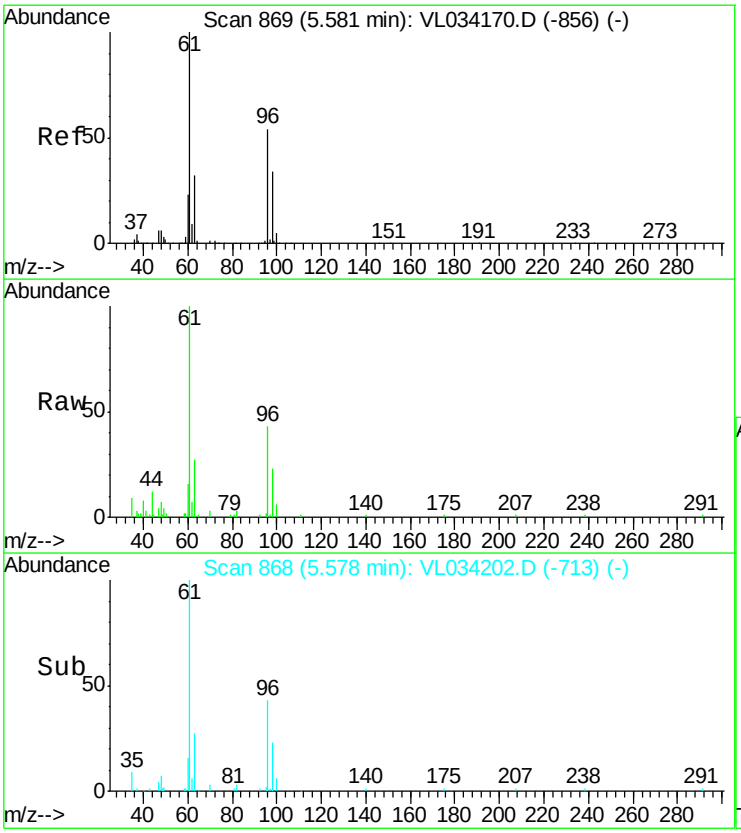
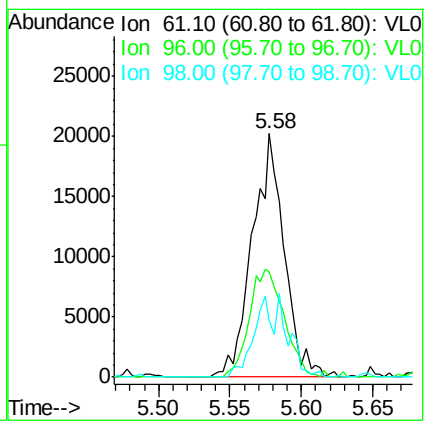
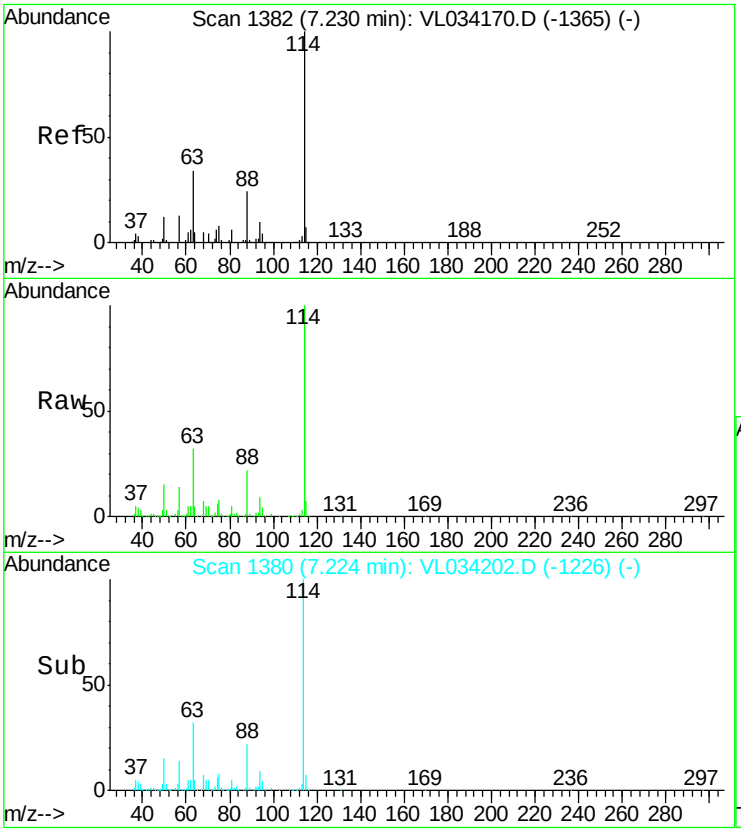


#31
cis-1,2-Dichloroethene
Concen: 0.254 ppbv m
RT: 5.58 min Scan# 868
Delta R.T. -0.00 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 61 Resp: 31147

Ion	Ratio	Lower	Upper
61	100		
96	43.0	43.0	64.4
98	23.1	27.2	40.8#

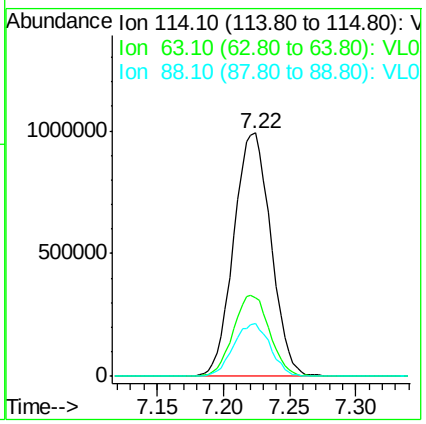




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion:114 Resp: 1933810

Ion	Ratio	Lower	Upper
114	100		
63	32.8	27.8	41.6
88	21.6	17.1	25.7



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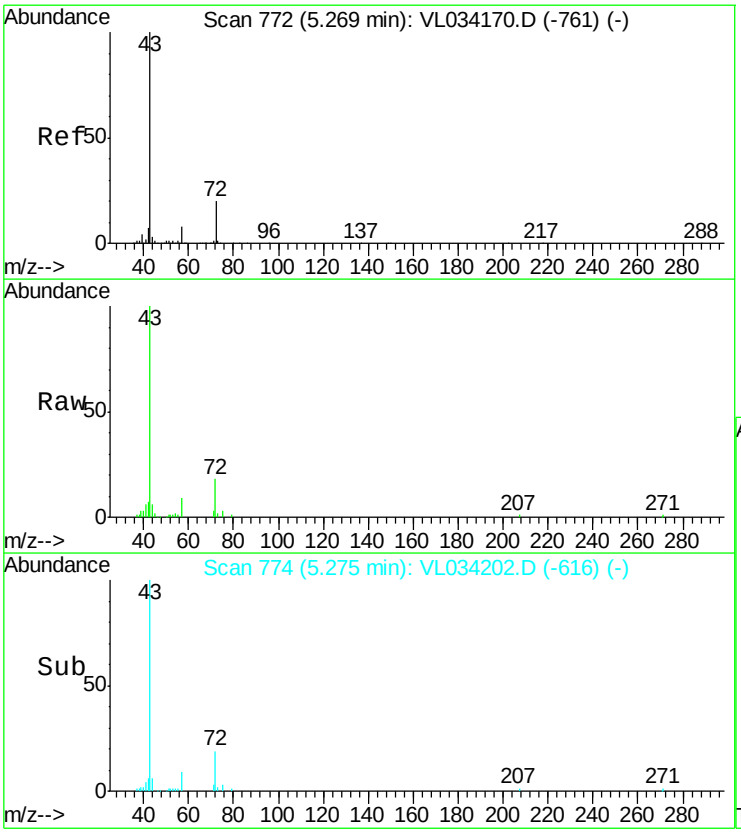
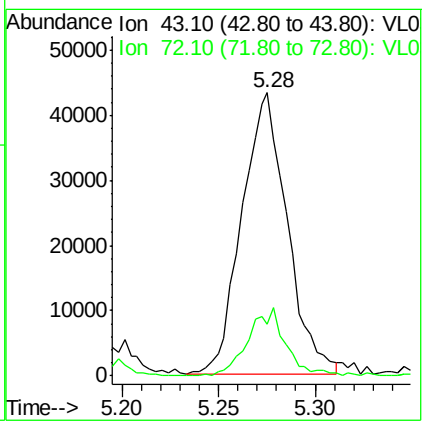
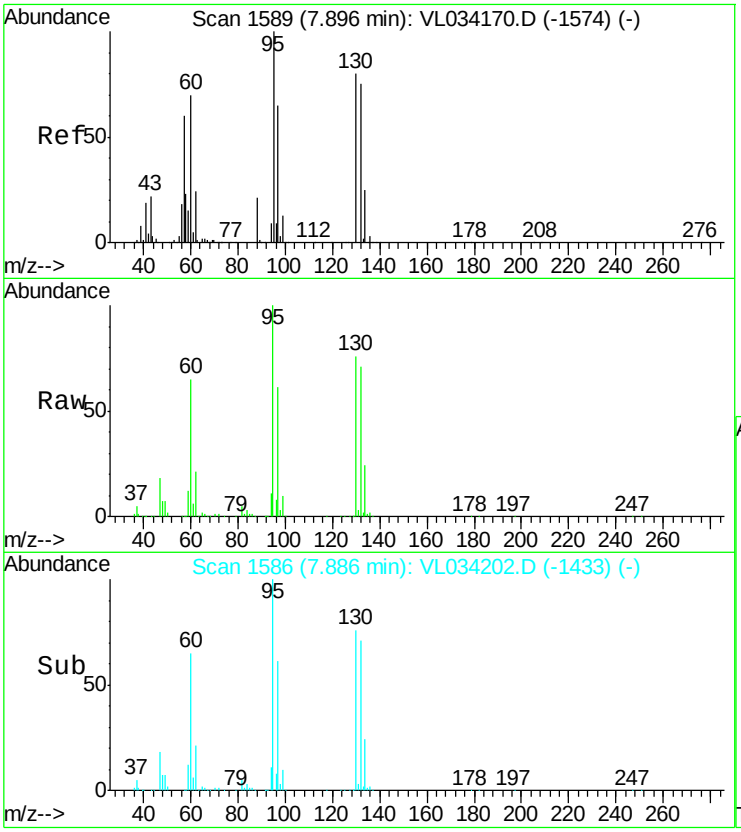


#34
2-Butanone
Concen: 0.358 ppbv
RT: 5.28 min Scan# 774
Delta R.T. 0.01 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 43 Resp: 70703

Ion	Ratio	Lower	Upper
43	100		
72	20.3	15.0	22.6

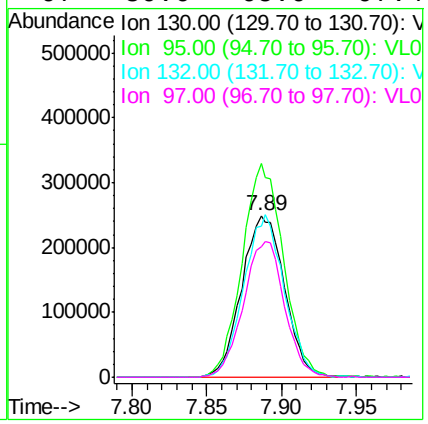




#38
Trichloroethene
Concen: 6.478 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion:130 Resp: 494380

Ion	Ratio	Lower	Upper
130	100		
95	132.1	99.8	149.6
132	93.5	75.2	112.8
97	80.6	65.0	97.4



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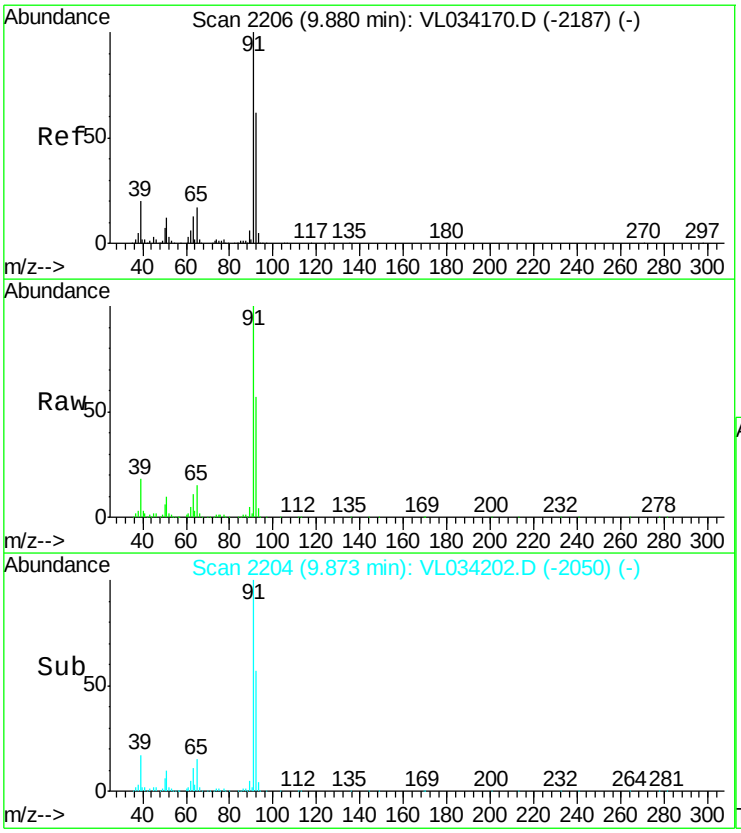
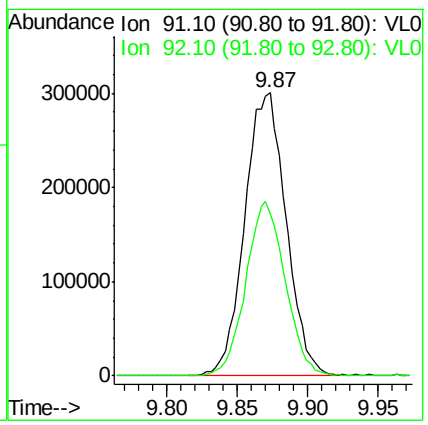
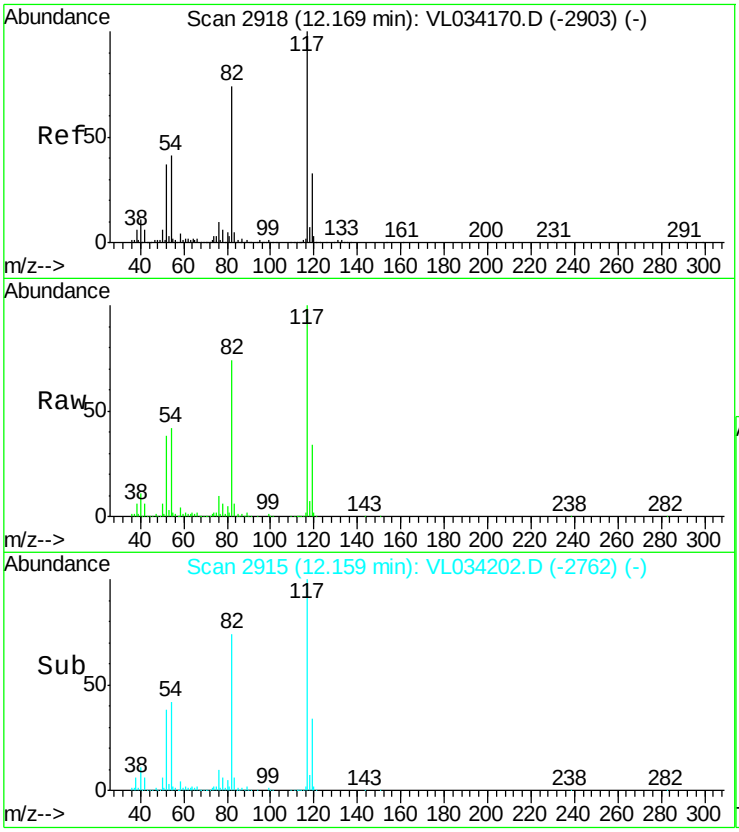


#53
Toluene
Concen: 2.645 ppbv
RT: 9.87 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 91 Resp: 617297

Ion	Ratio	Lower	Upper
91	100		
92	58.9	49.0	73.6

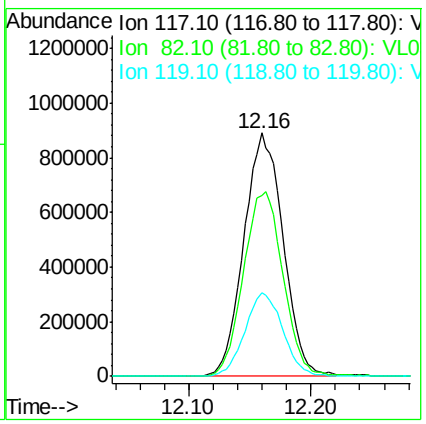




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion:117 Resp: 1975471

Ion	Ratio	Lower	Upper
117	100		
82	77.3	58.2	87.4
119	33.6	23.7	35.5



Instrument :
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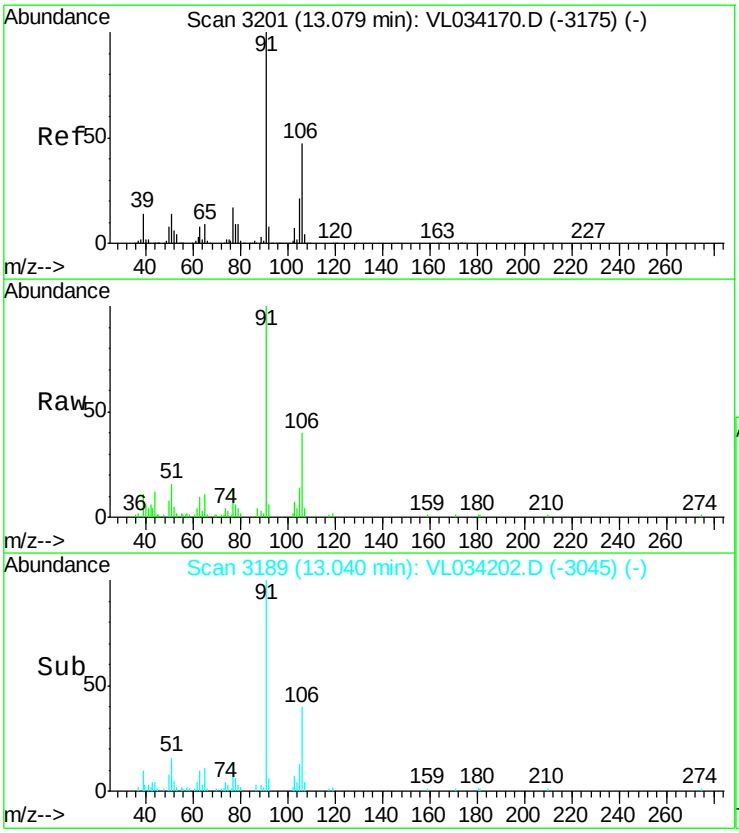
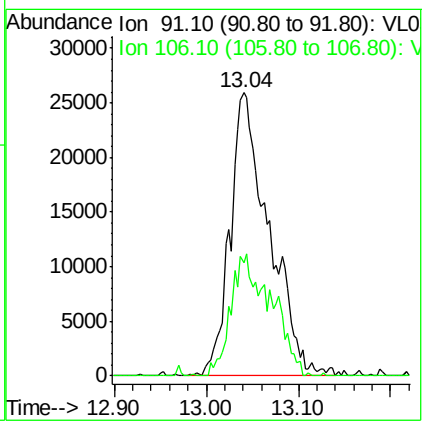
MMDadoda
9/26/2019 12:39:35 AM

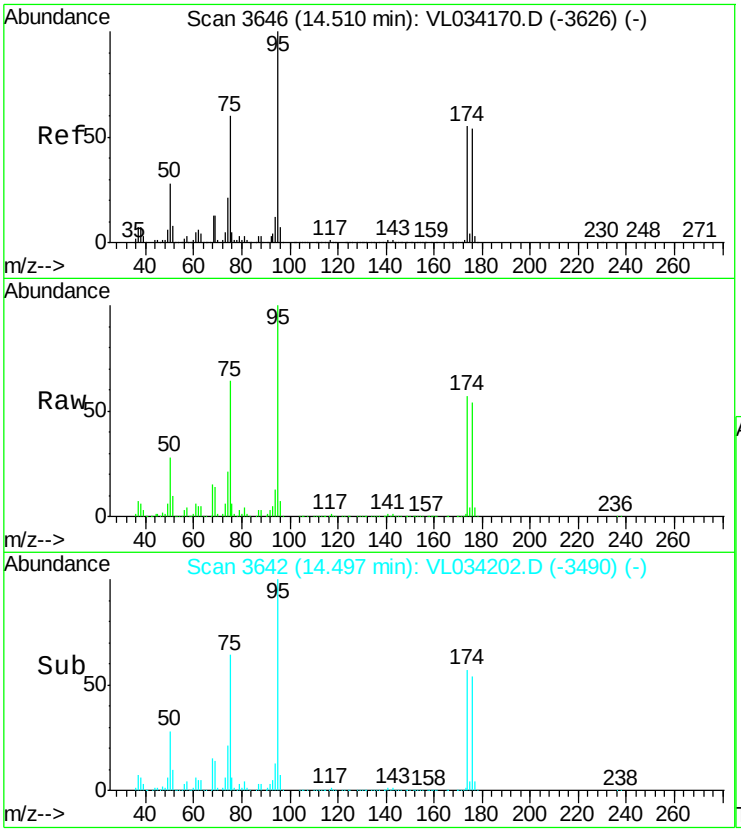


#59
m/p-Xylene
Concen: 0.287 ppbv m
RT: 13.04 min Scan# 3189
Delta R.T. -0.04 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 91 Resp: 75864

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.5	53.3#

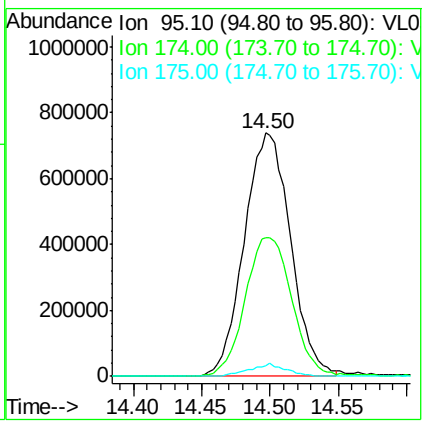




#68
1-Bromo-4-Fluorobenzene
Concen: 10.142 ppbv
RT: 14.50 min Scan# 3642
Delta R.T. -0.01 min
Lab File: VL034202.D
Acq: 24 Sep 2019 15:18

Tgt Ion: 95 Resp: 1740875

Ion	Ratio	Lower	Upper
95	100		
174	58.3	45.1	67.7
175	4.3	3.3	4.9



Instrument :
MSVOA_L
ClientSampleId :
AIR-01DUP

Manual Integrations APPROVED
MMDadoda
9/26/2019 12:39:35 AM