Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\
Data File : VL032669.D
Acq On : 19 Oct 2018 5:04
Operator : SY/AP
Sample : J5581-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
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10/24/2018 12:05:30 PM

Quant Time: Oct 19 08:07:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 1
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1368674	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3428033	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3307313	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2416858	9.81	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	73944	0.530	ppbv	92
3) Chlorodifluoromethane	3.03	51	251564	2.350	ppbv	95
4) Chloromethane	3.18	50	30598	0.512	ppbv	89
9) Propene	3.06	41	41395	0.940	ppbv	83
11) Trichlorofluoromethane	4.01	101	41498	0.228	ppbv	93
13) Ethanol	3.66	45	919593	73.043	ppbv	97
15) Acetone	3.91	43	1526039	12.074	ppbv	99
19) Isopropyl Alcohol	4.04	45	626077	6.956	ppbv	100
20) Methylene Chloride	4.42	84	87710	1.367	ppbv	92
26) Hexane	5.79	57	156395	1.136	ppbv #	63
34) 2-Butanone	5.35	43	100192	0.545	ppbv	99
35) Carbon Tetrachloride	7.15	117	16918	0.070	ppbv #	79
36) Benzene	7.02	78	70867m	0.255	ppbv	
53) Toluene	9.96	91	589952	1.849	ppbv	98
59) m/p-Xylene	13.14	91	52526m	0.154	ppbv	

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

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QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
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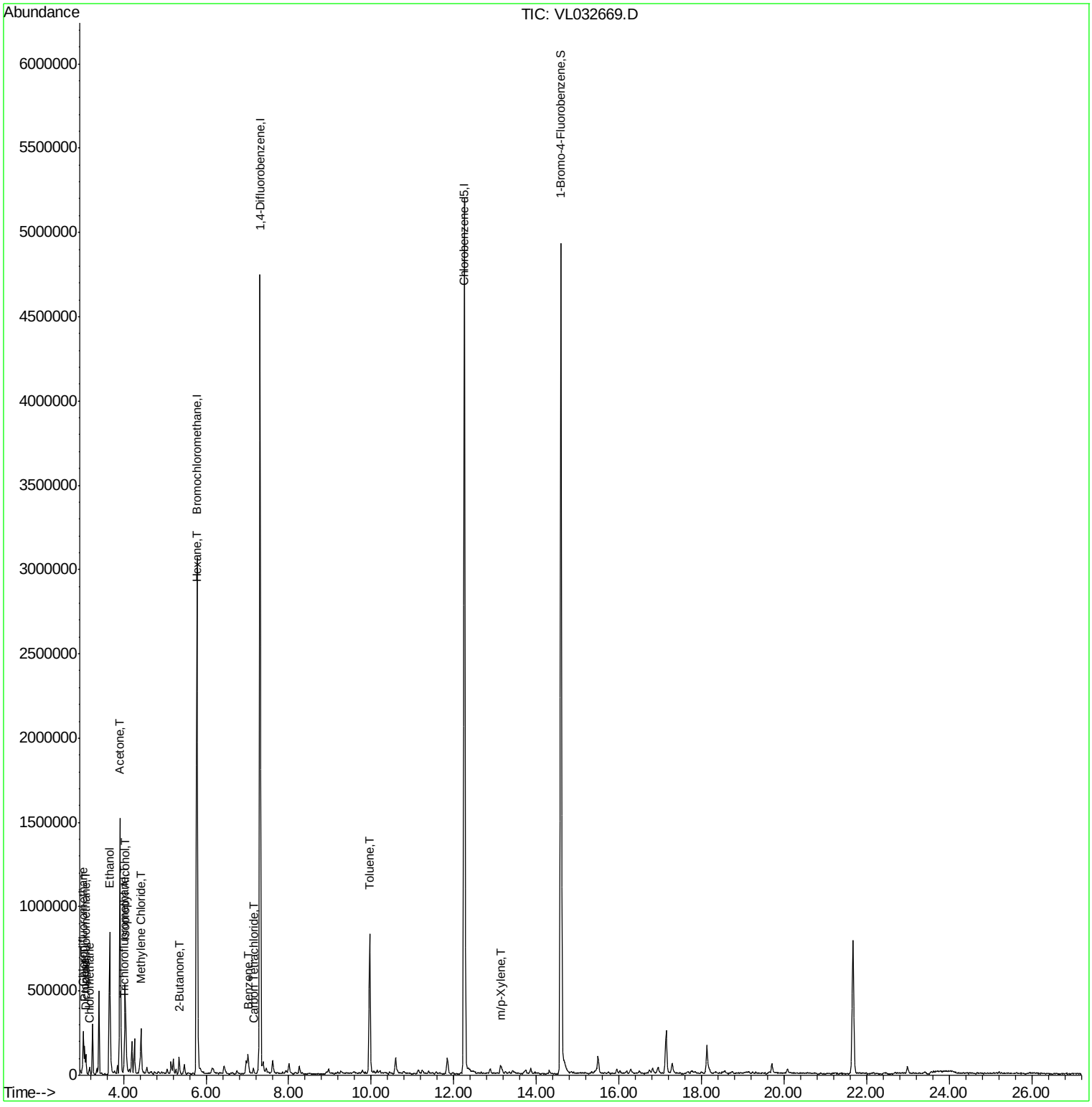
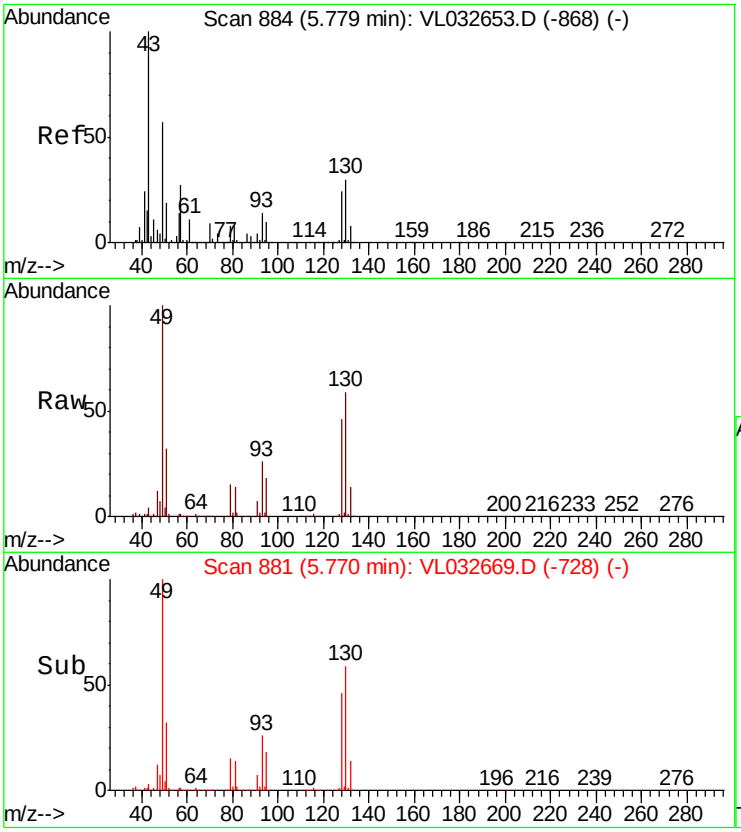
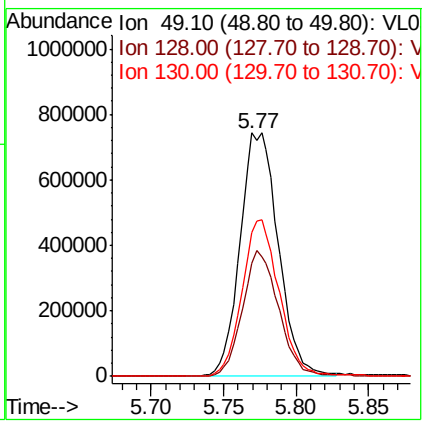




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 49 Resp: 1368674

Ion	Ratio	Lower	Upper
49	100		
128	49.1	22.3	66.8
130	62.8	28.4	85.3



Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
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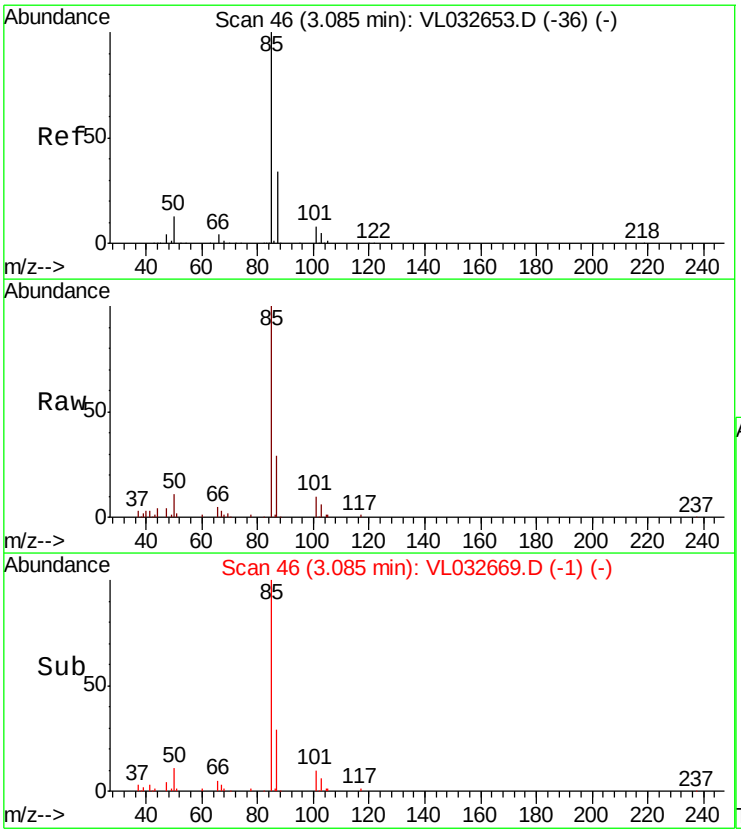
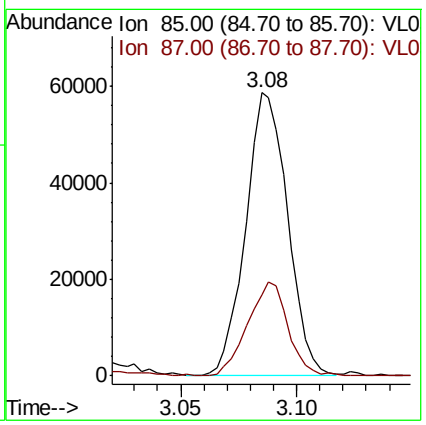
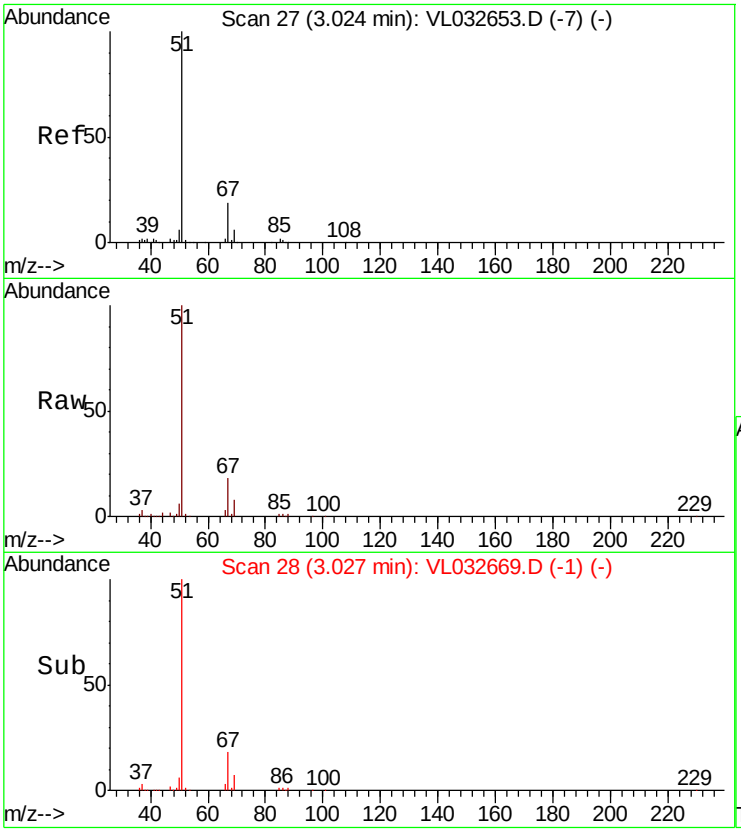


#2
Dichlorodifluoromethane
Concen: 0.530 ppbv
RT: 3.08 min Scan# 46
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 85 Resp: 73944

Ion	Ratio	Lower	Upper
85	100		
87	28.2	26.2	39.2

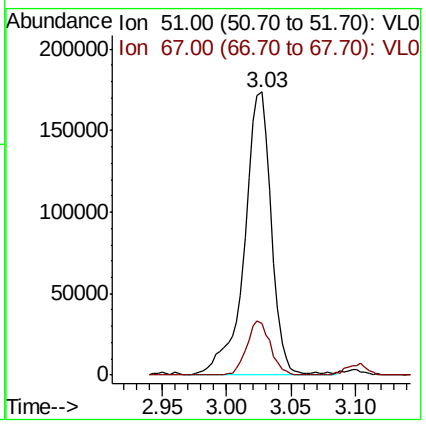




#3
Chlorodifluoromethane
Concen: 2.350 ppbv
RT: 3.03 min Scan# 28
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 51 Resp: 251564

Ion	Ratio	Lower	Upper
51	100		
67	16.9	15.2	22.8



Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
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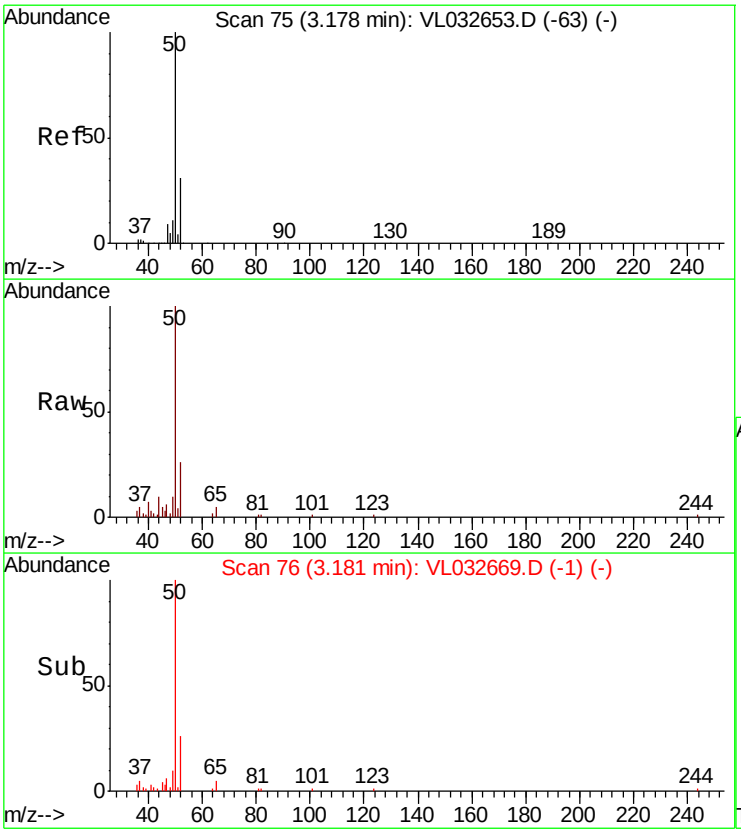
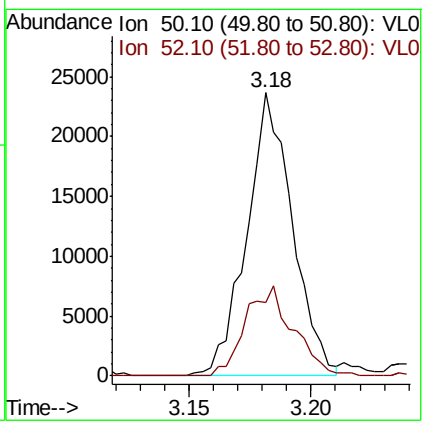
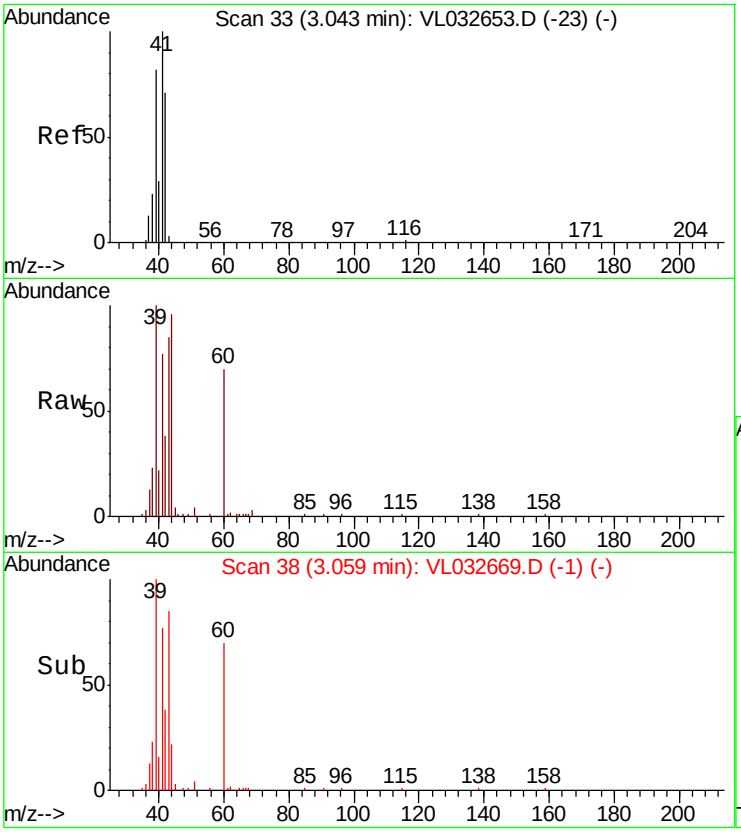


#4
Chloromethane
Concen: 0.512 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 50 Resp: 30598

Ion	Ratio	Lower	Upper
50	100		
52	26.2	25.9	38.9

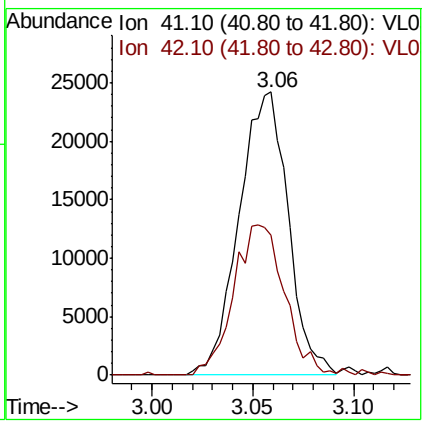




#9
Propene
Concen: 0.940 ppbv
RT: 3.06 min Scan# 38
Delta R.T. 0.02 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 41 Resp: 41395

Ion	Ratio	Lower	Upper
41	100		
42	55.7	55.4	83.0



Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
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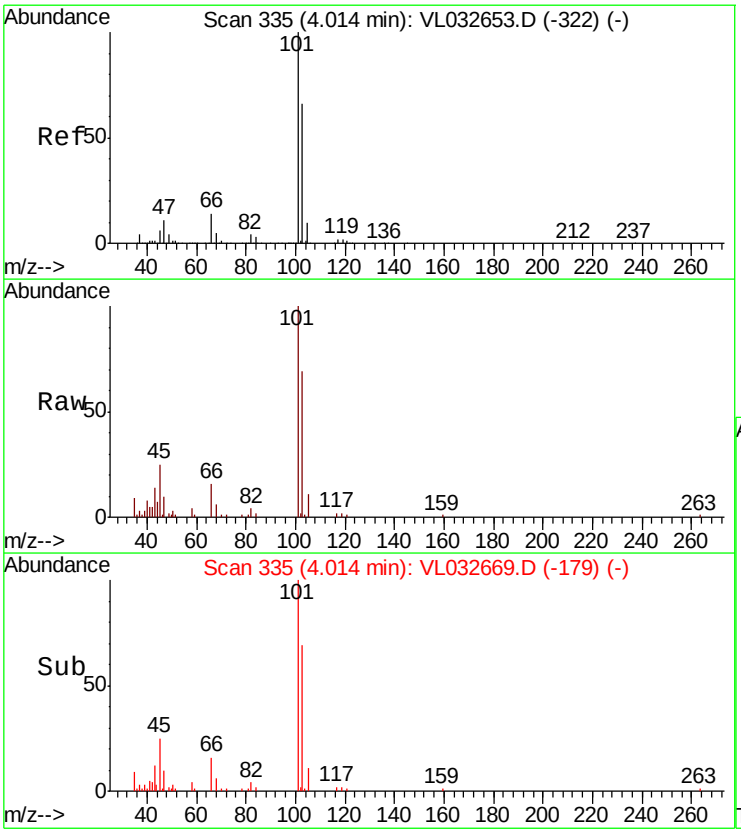
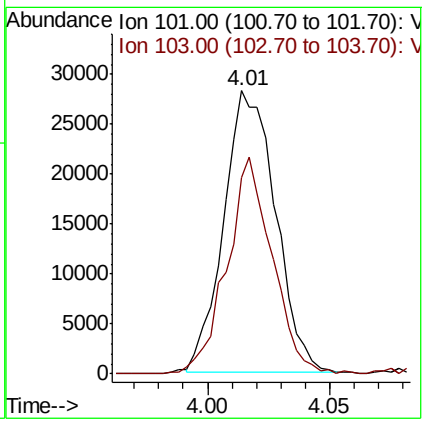
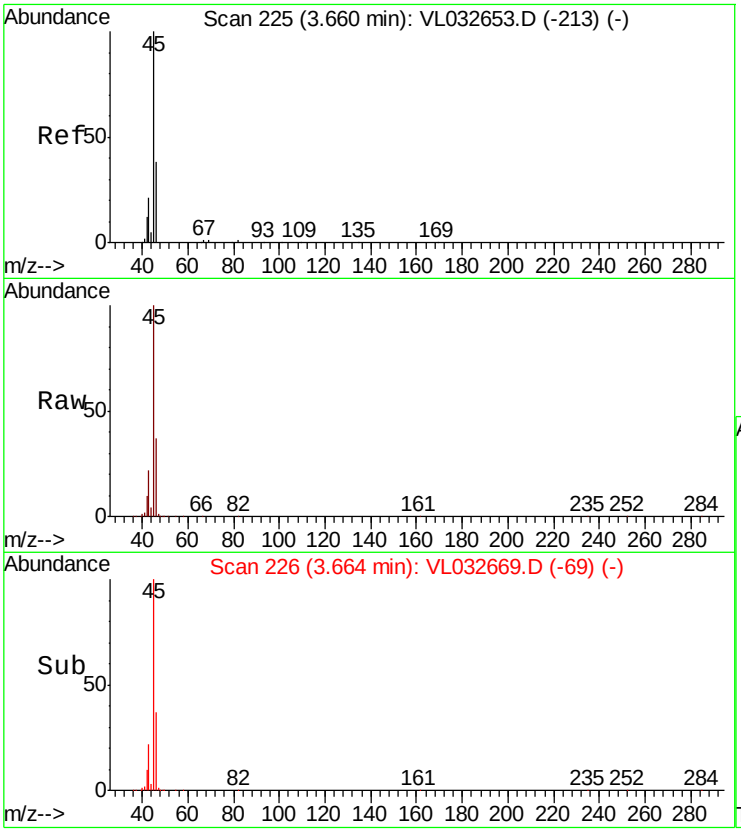


#11
Trichlorofluoromethane
Concen: 0.228 ppbv
RT: 4.01 min Scan# 335
Delta R.T. -0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion:101 Resp: 41498

Ion	Ratio	Lower	Upper
101	100		
103	69.6	51.4	77.2

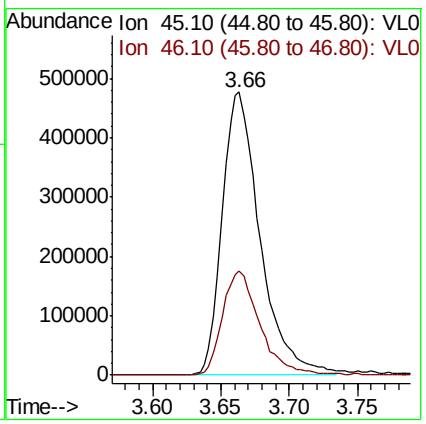




#13
Ethanol
Concen: 73.043 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 45 Resp: 919593

Ion	Ratio	Lower	Upper
45	100		
46	36.9	15.4	61.8



Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
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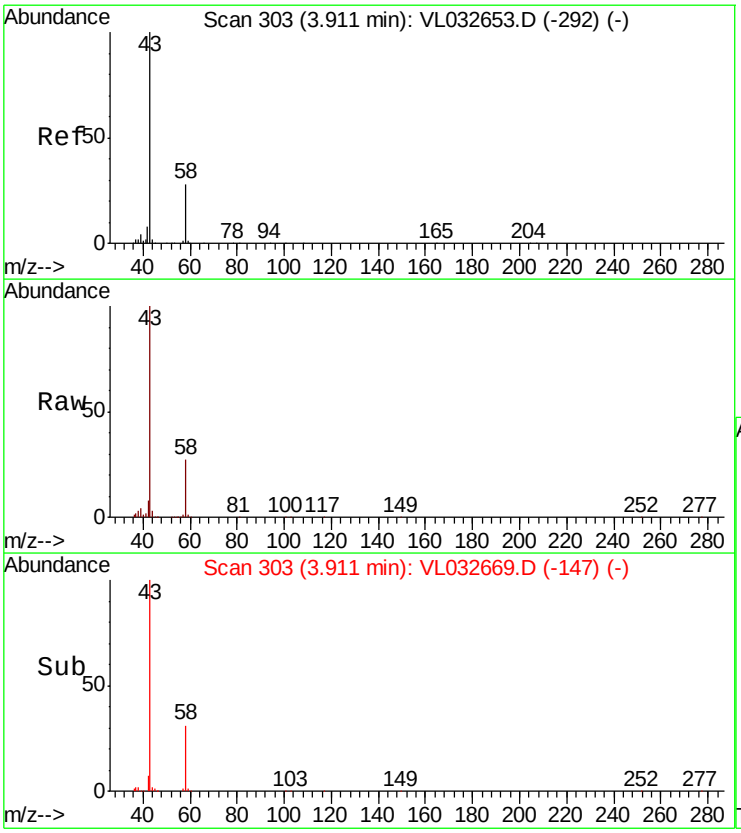
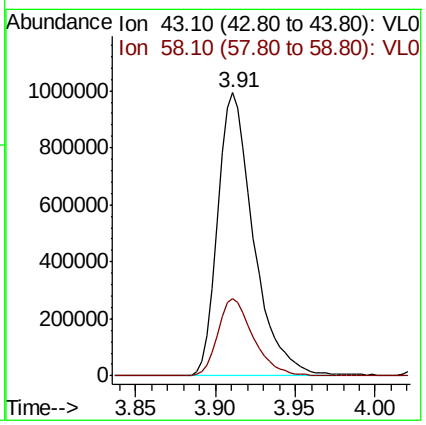
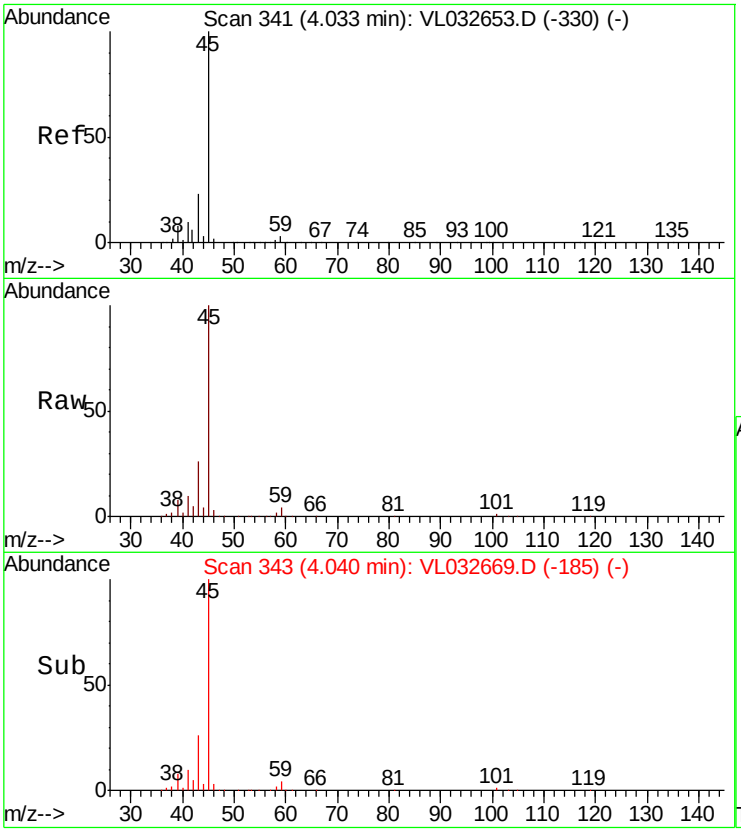


#15
Acetone
Concen: 12.074 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 43 Resp: 1526039

Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.1	33.1

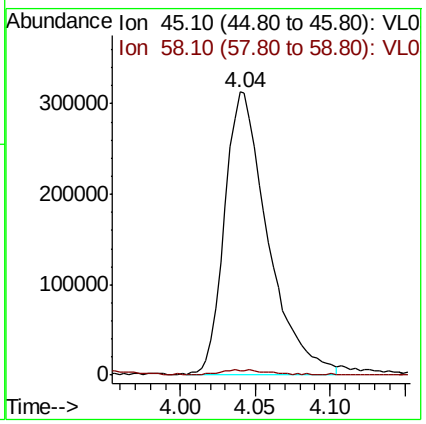




#19
Isopropyl Alcohol
Concen: 6.956 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.01 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 45 Resp: 626077

Ion	Ratio	Lower	Upper
45	100		
58	2.5	2.0	3.0



Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
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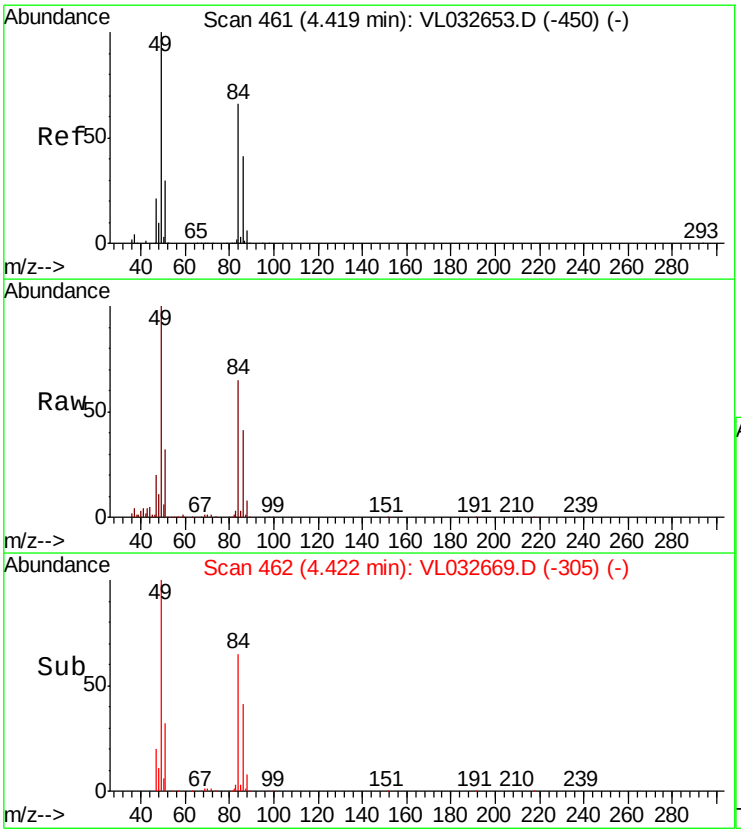
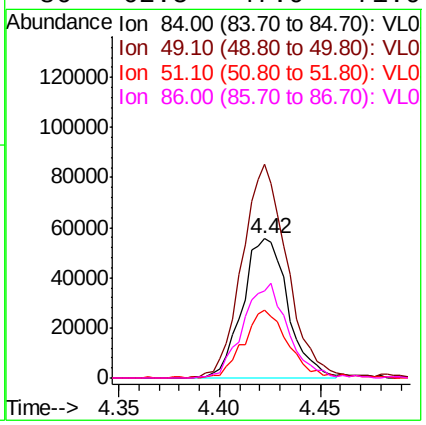
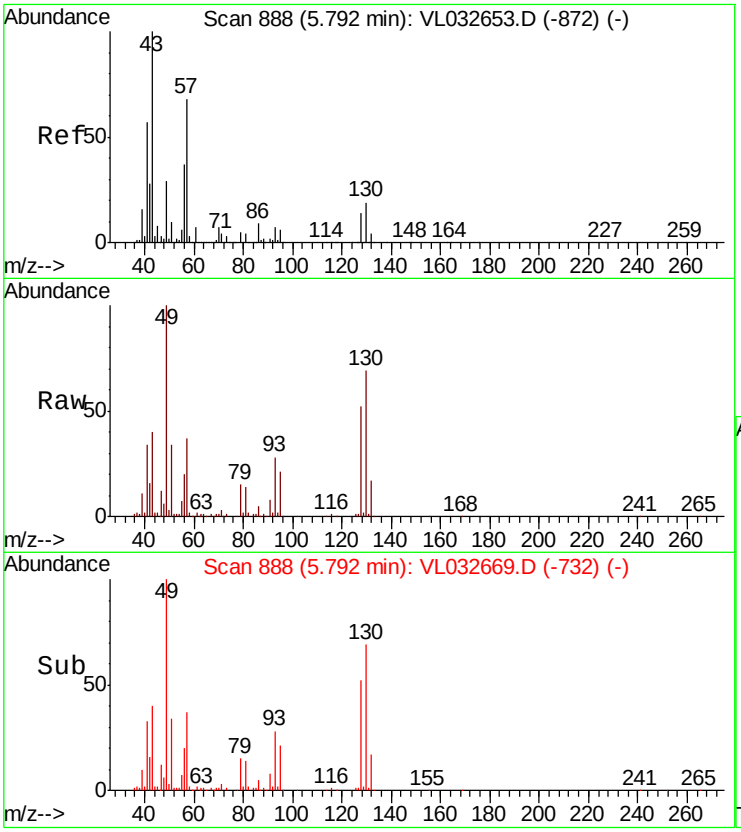


#20
Methylene Chloride
Concen: 1.367 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 84 Resp: 87710

Ion	Ratio	Lower	Upper
84	100		
49	153.6	113.5	170.3
51	48.5	34.8	52.2
86	62.5	47.9	71.9

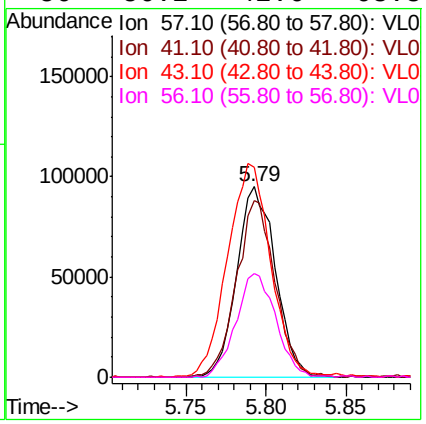




#26
Hexane
Concen: 1.136 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 57 Resp: 156395

Ion	Ratio	Lower	Upper
57	100		
41	93.4	67.4	101.0
43	127.2	171.9	257.9#
56	56.2	42.6	63.8



Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
MMDadoda
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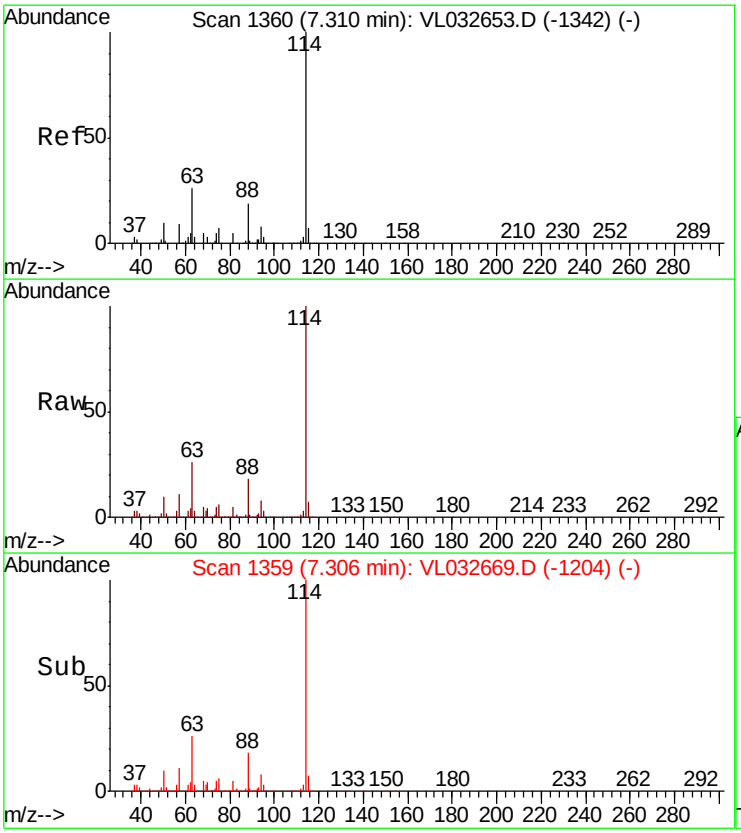
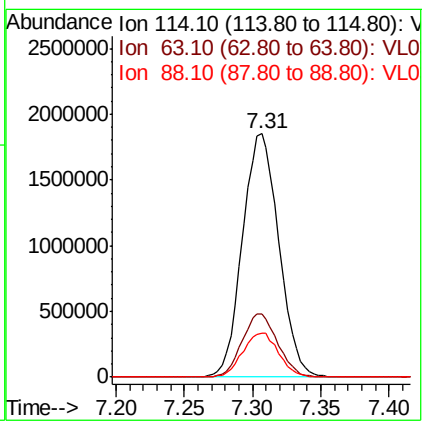
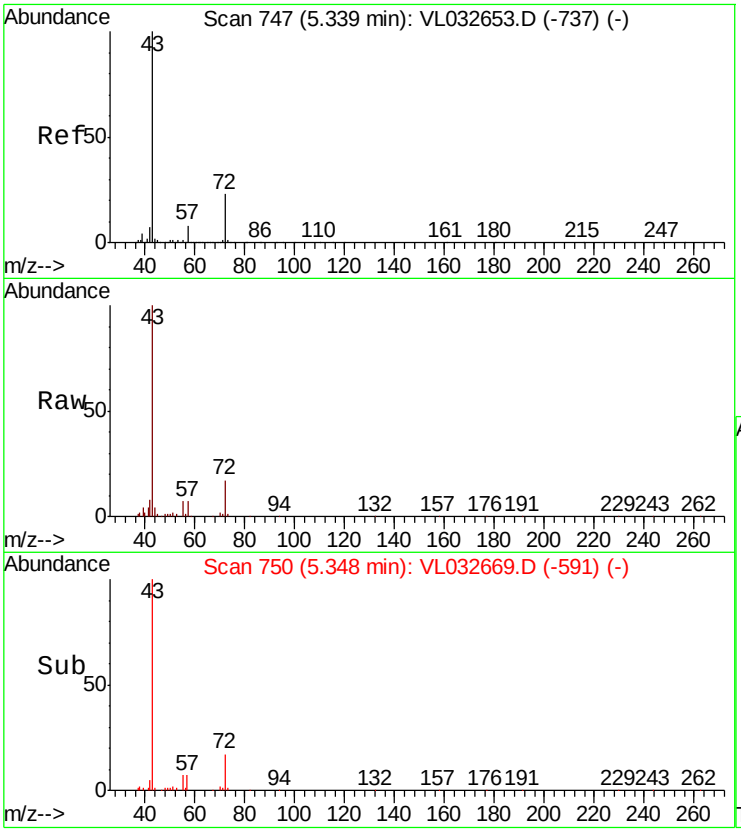


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion:114 Resp: 3428033

Ion	Ratio	Lower	Upper
114	100		
63	25.4	21.7	32.5
88	18.0	14.9	22.3

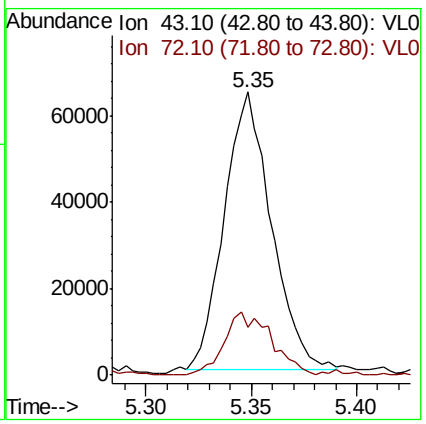




#34
2-Butanone
Concen: 0.545 ppbv
RT: 5.35 min Scan# 750
Delta R.T. 0.01 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 43 Resp: 100192

Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.6	27.8



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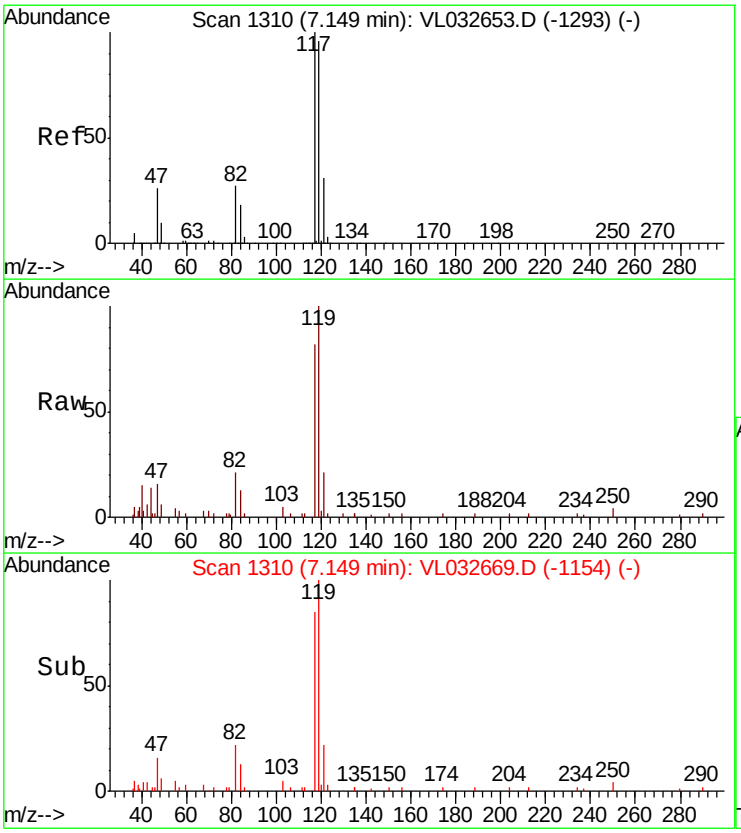
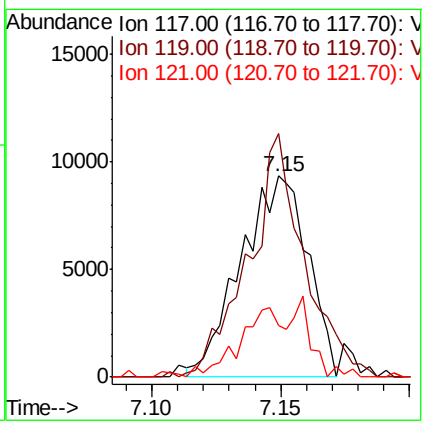
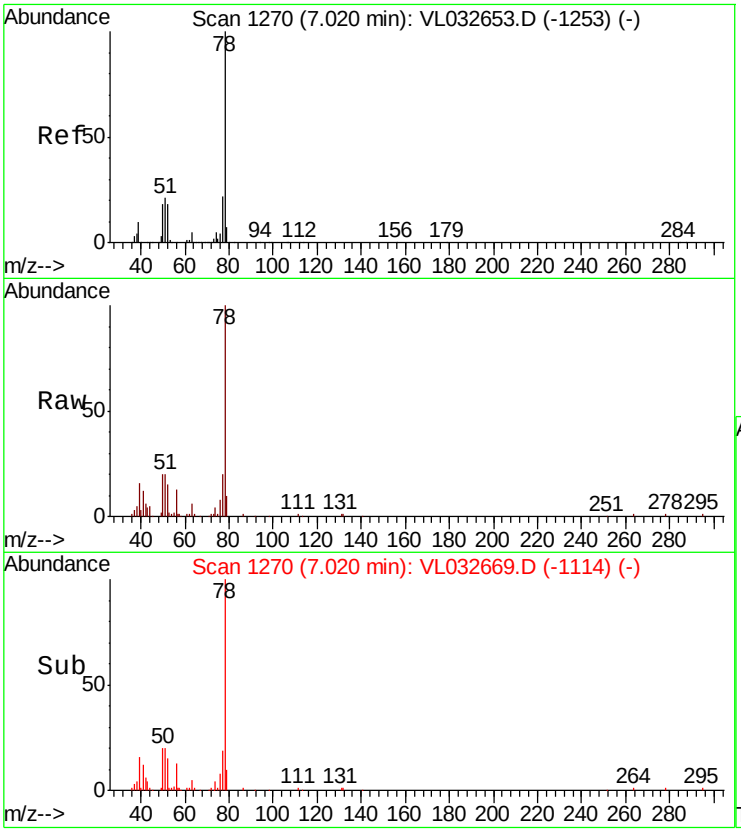


#35
Carbon Tetrachloride
Concen: 0.070 ppbv
RT: 7.15 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion:117 Resp: 16918

Ion	Ratio	Lower	Upper
117	100		
119	118.9	75.7	113.5#
121	25.8	24.7	37.1

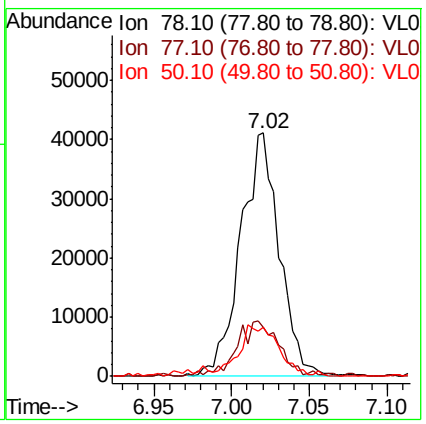




#36
Benzene
Concen: 0.255 ppbv m
RT: 7.02 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 78 Resp: 70867

Ion	Ratio	Lower	Upper
78	100		
77	20.2	18.1	27.1
50	20.0	15.1	22.7



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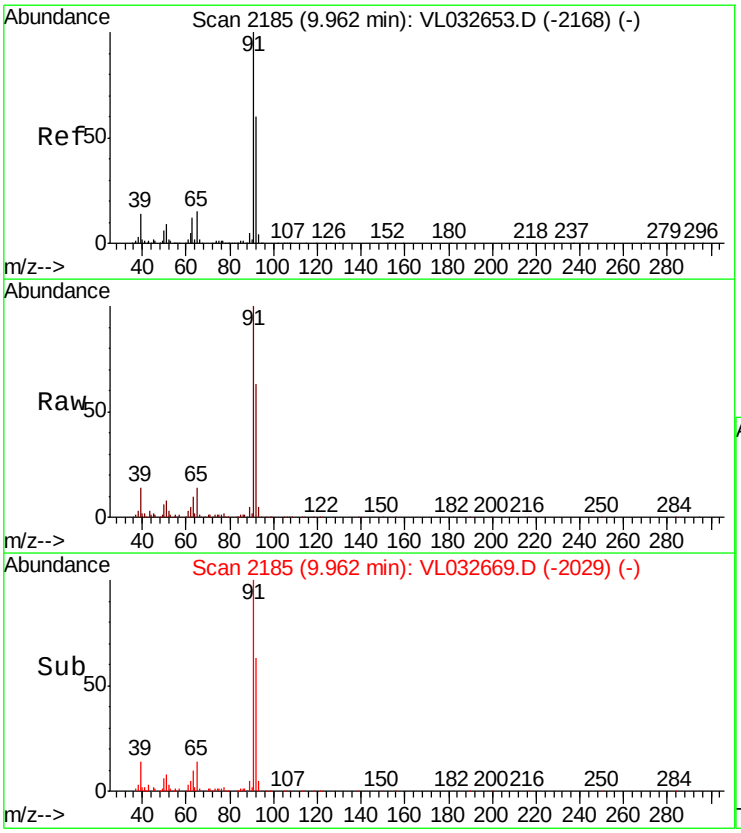
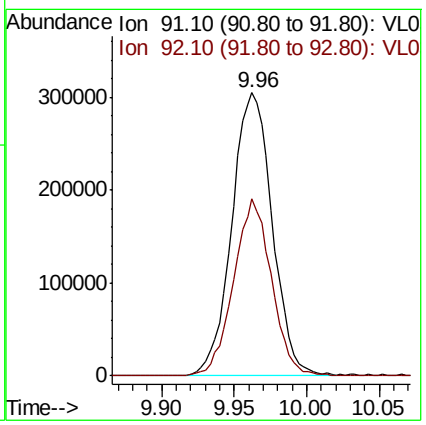
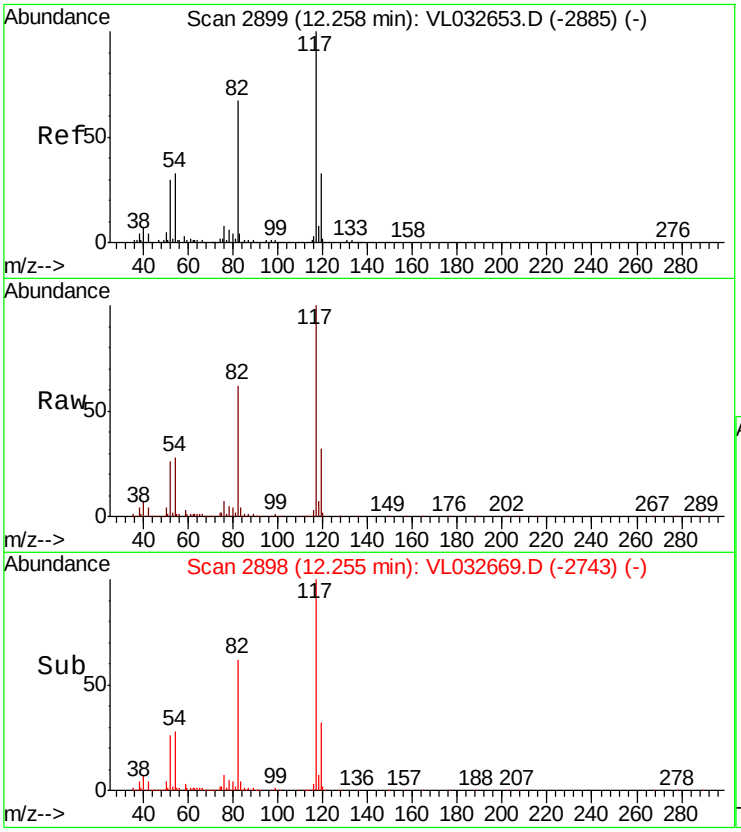


#53
Toluene
Concen: 1.849 ppbv
RT: 9.96 min Scan# 2185
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 91 Resp: 589952

Ion	Ratio	Lower	Upper
91	100		
92	58.9	48.4	72.6

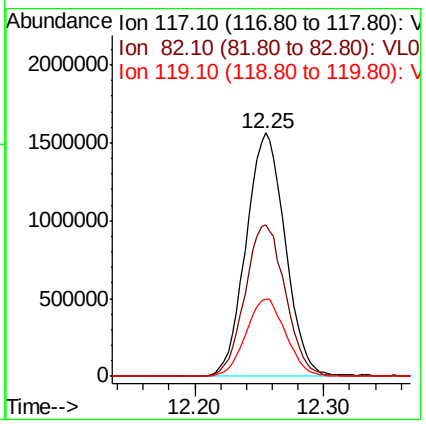




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion:117 Resp: 3307313

Ion	Ratio	Lower	Upper
117	100		
82	64.2	52.7	79.1
119	32.5	26.7	40.1



Instrument :
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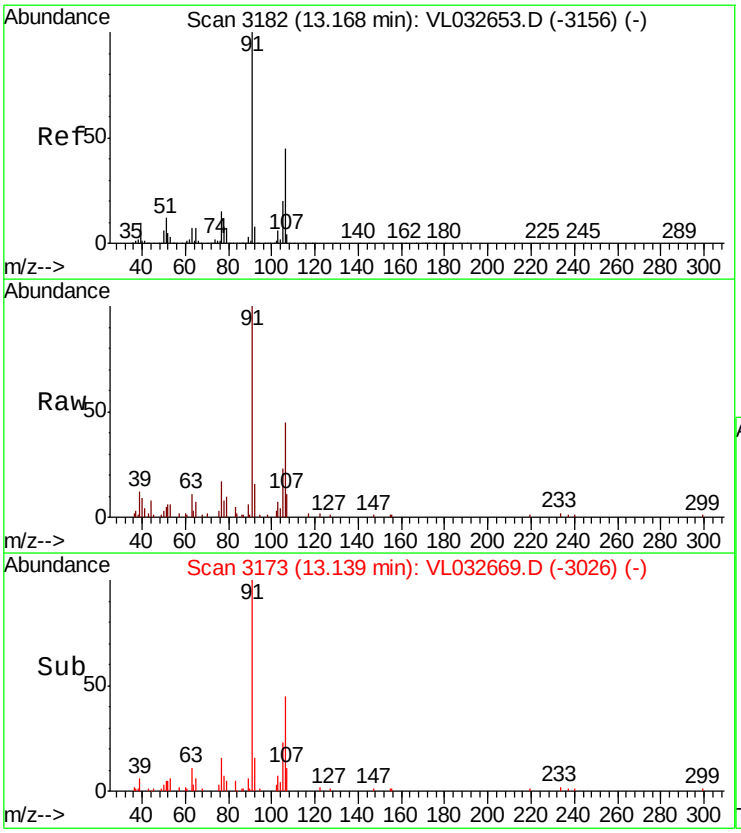
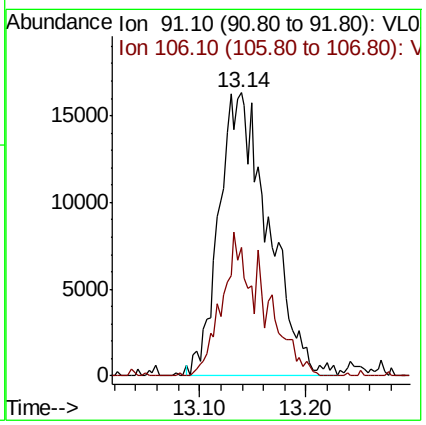
10/24/2018 12:05:30 PM

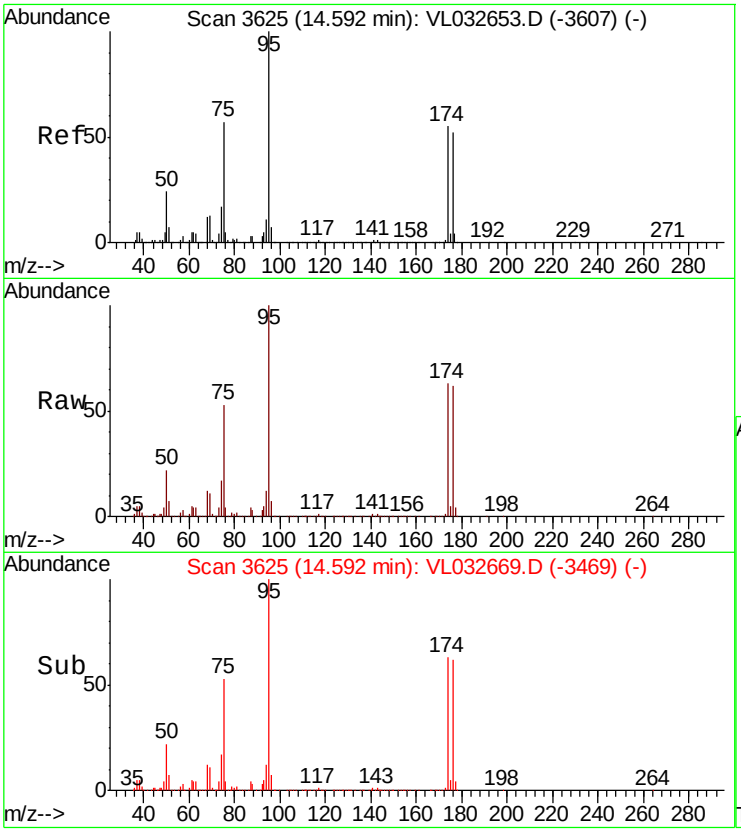


#59
m/p-Xylene
Concen: 0.154 ppbv m
RT: 13.14 min Scan# 3173
Delta R.T. -0.03 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 91 Resp: 52526

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.9	53.9#

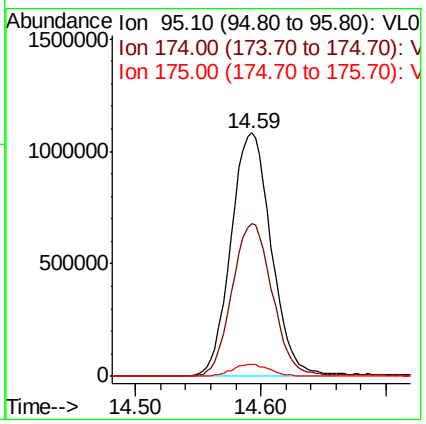




#68
1-Bromo-4-Fluorobenzene
Concen: 9.814 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 95 Resp: 2416858

Ion	Ratio	Lower	Upper
95	100		
174	64.2	46.0	69.0
175	4.7	3.4	5.0



Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
MMDadoda
10/24/2018 12:05:30 PM