Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101118\
Data File : VL032610.D
Acq On : 11 Oct 2018 18:45
Operator : SY/AP
Sample : J5370-05DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 12 12:11:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 0
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : AMBIENT-SVI-100518DUP

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1343896	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2719616	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	2964097	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2089286	9.35	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	22331m	0.180	ppbv	
3) Chlorodifluoromethane	3.03	51	28928	0.259	ppbv	97
4) Chloromethane	3.18	50	30981	0.475	ppbv	92
9) Propene	3.05	41	453650	9.356	ppbv	98
11) Trichlorofluoromethane	4.02	101	33559	0.227	ppbv	86
13) Ethanol	3.67	45	243940	16.737	ppbv	98
15) Acetone	3.91	43	5218302	44.236	ppbv	91
17) tert-Butyl alcohol	4.39	59	84731	5.716	ppbv #	100
19) Isopropyl Alcohol	4.05	45	47979m	0.584	ppbv	
20) Methylene Chloride	4.43	84	89610	1.569	ppbv	93
26) Hexane	5.80	57	177233	1.371	ppbv #	46
34) 2-Butanone	5.35	43	3678693	22.715	ppbv	98
35) Carbon Tetrachloride	7.16	117	13671m	0.072	ppbv	
36) Benzene	7.03	78	92824	0.422	ppbv #	95
51) 2-Hexanone	10.30	43	823209	3.910	ppbv #	99
53) Toluene	9.98	91	199790	0.746	ppbv	99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101118\
Data File : VL032610.D
Acq On : 11 Oct 2018 18:45
Operator : SY/AP
Sample : J5370-05DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 12 12:11:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-SVI-100518DUP

Manual Integrations APPROVED
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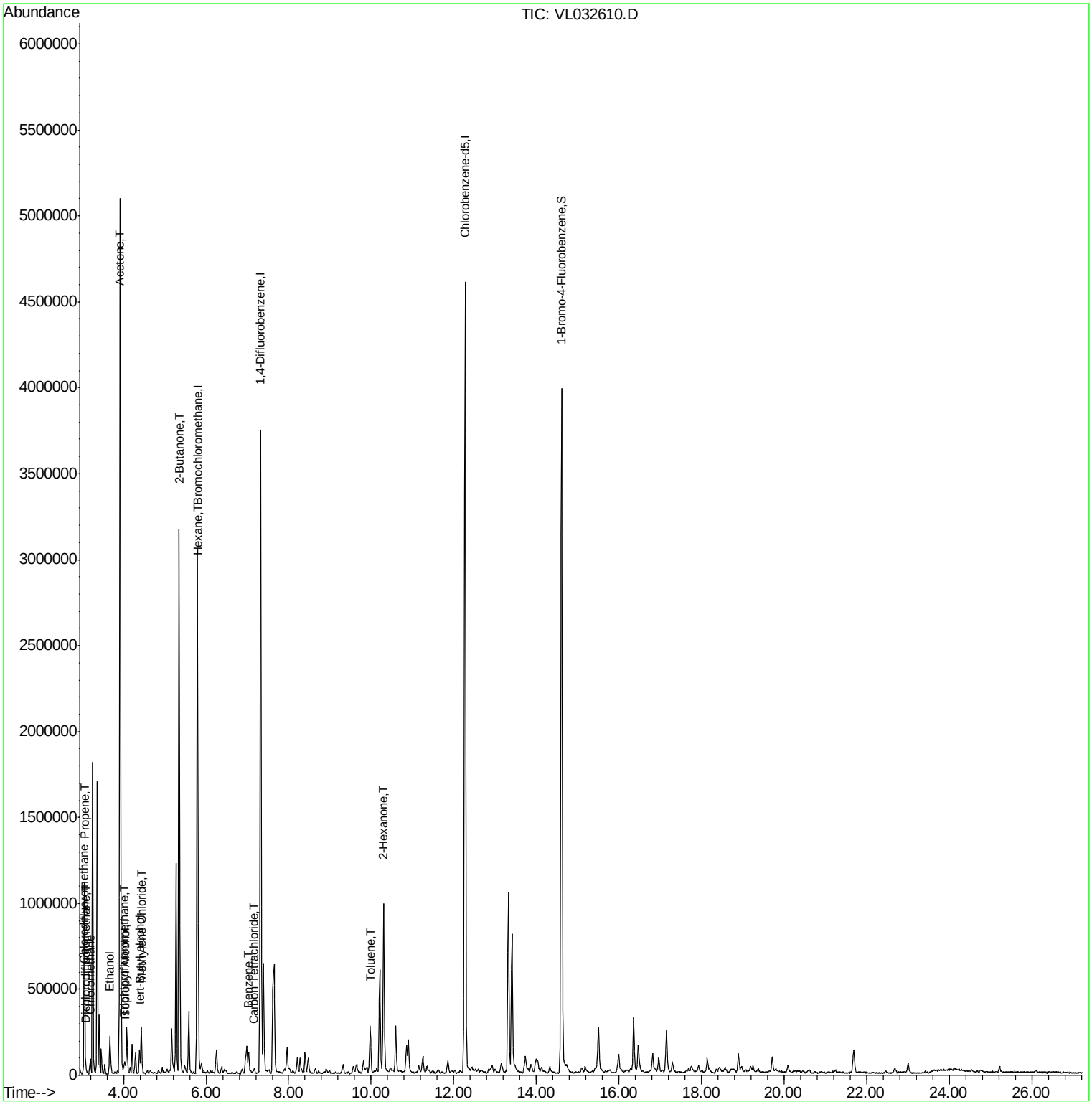
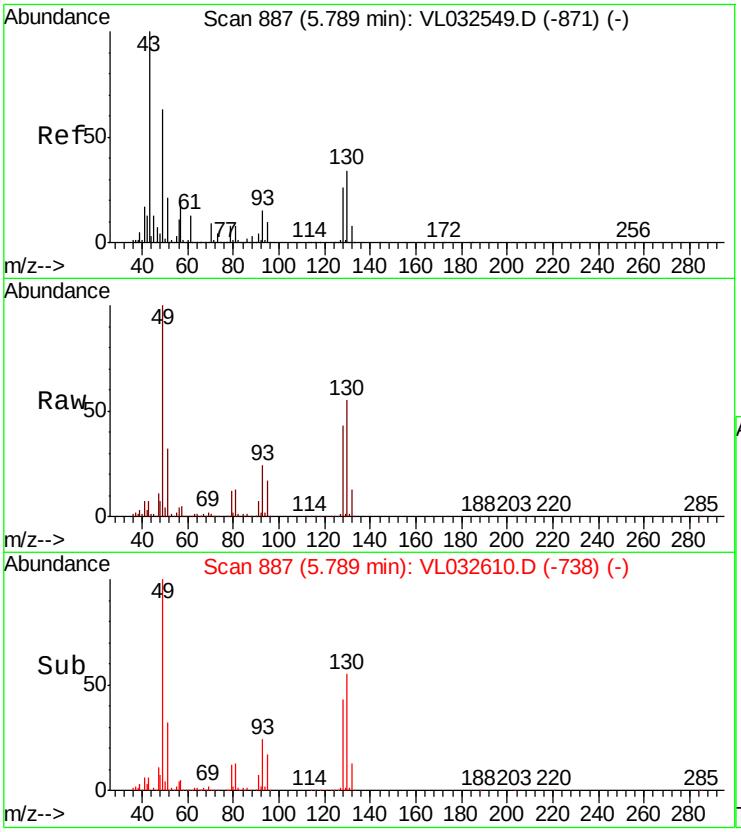
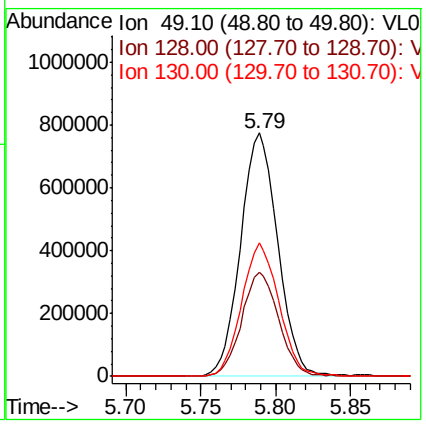




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.02 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 49 Resp: 1343896

Ion	Ratio	Lower	Upper
49	100		
128	42.8	20.7	62.1
130	55.1	26.6	79.7



Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-SVI-100518DUP

Manual Integrations APPROVED
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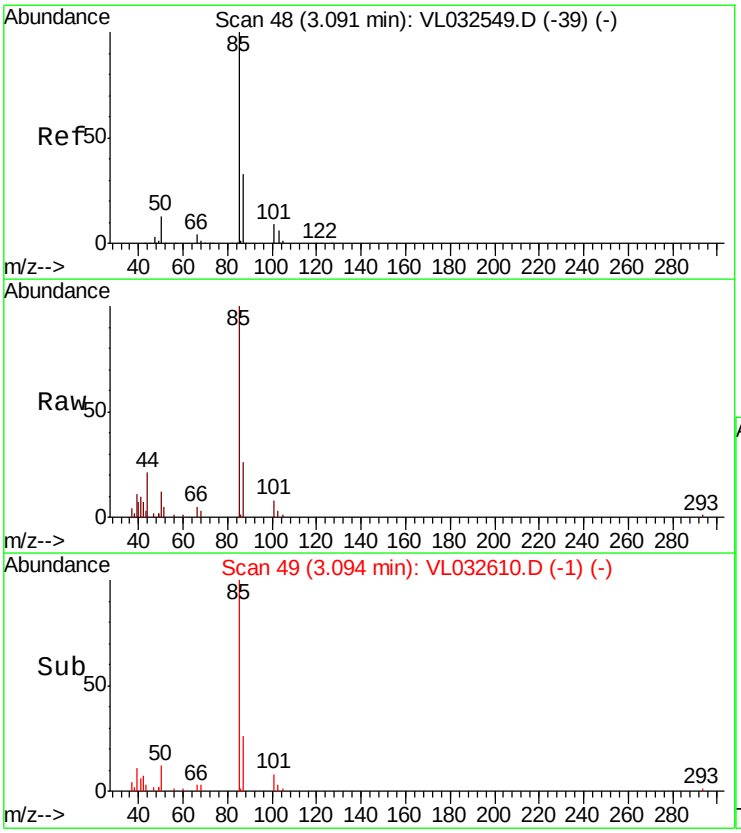
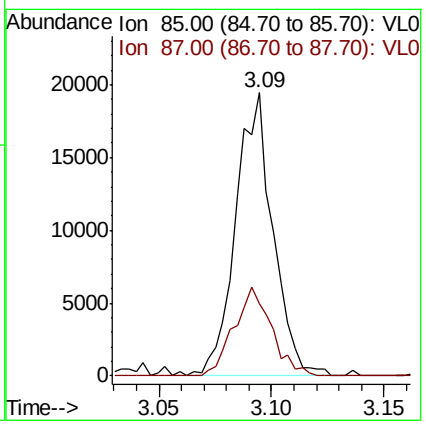
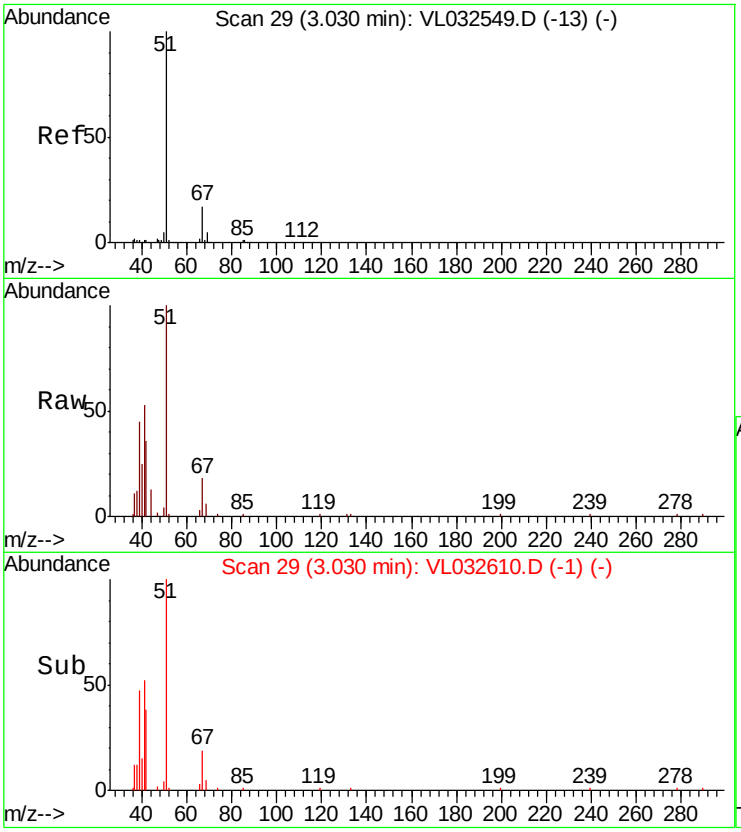


#2
Dichlorodifluoromethane
Concen: 0.180 ppbv m
RT: 3.09 min Scan# 49
Delta R.T. -0.01 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 85 Resp: 22331

Ion	Ratio	Lower	Upper
85	100		
87	25.6	26.2	39.4#

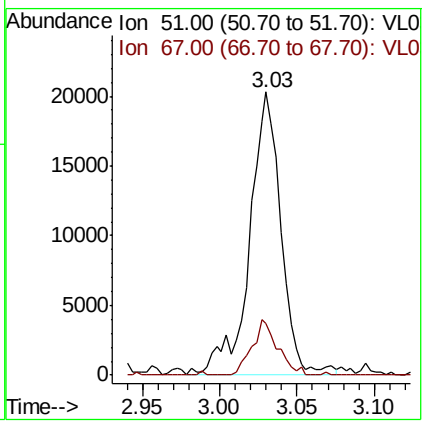




#3
Chlorodifluoromethane
Concen: 0.259 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 51 Resp: 28928

Ion	Ratio	Lower	Upper
51	100		
67	16.2	13.8	20.8



Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-SVI-100518DUP

Manual Integrations APPROVED
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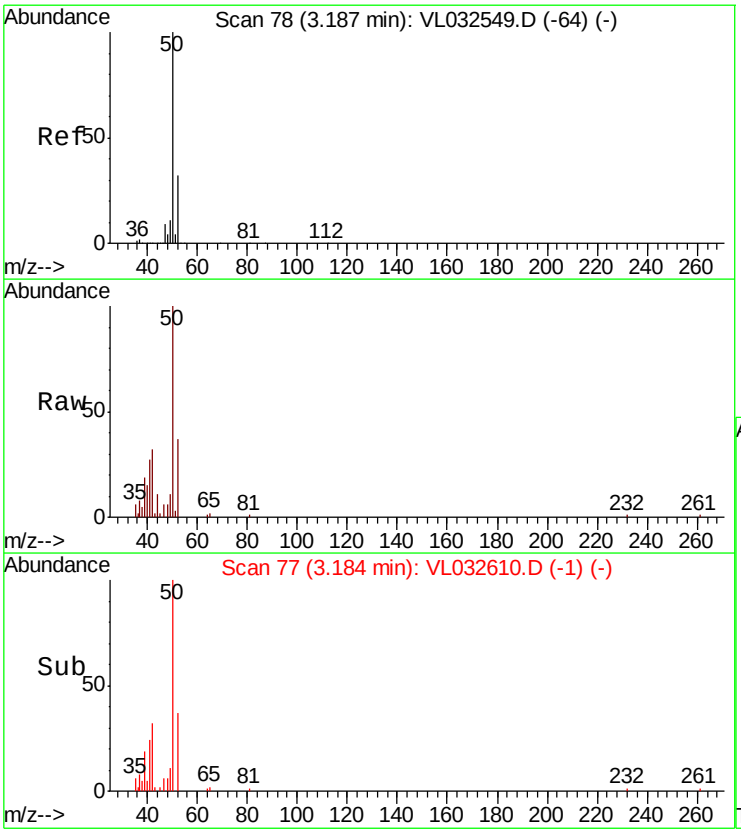
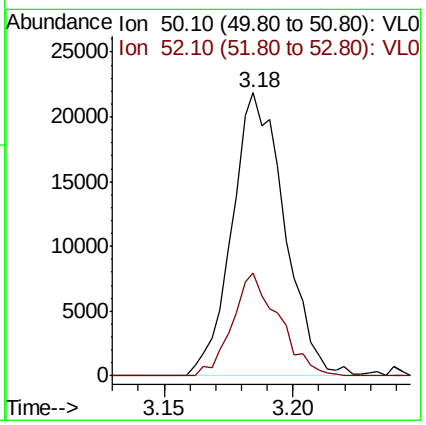
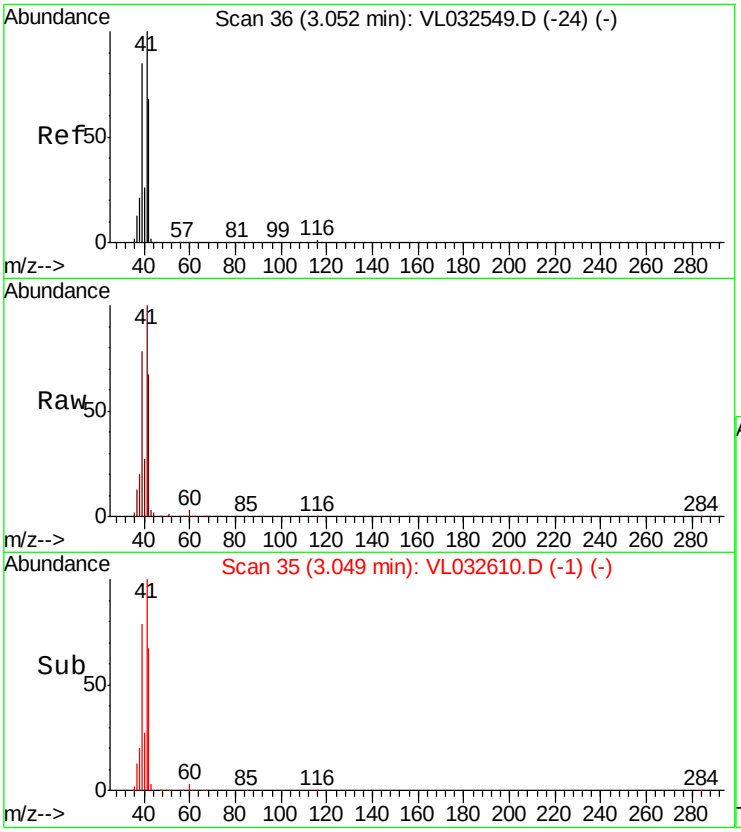


#4
Chloromethane
Concen: 0.475 ppbv
RT: 3.18 min Scan# 77
Delta R.T. -0.02 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 50 Resp: 30981

Ion	Ratio	Lower	Upper
50	100		
52	36.5	25.6	38.4

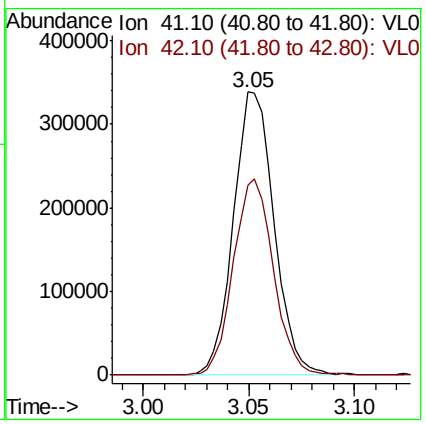




#9
Propene
Concen: 9.356 ppbv
RT: 3.05 min Scan# 35
Delta R.T. -0.02 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 41 Resp: 453650

Ion	Ratio	Lower	Upper
41	100		
42	68.8	56.6	84.8



Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-SVI-100518DUP

Manual Integrations APPROVED
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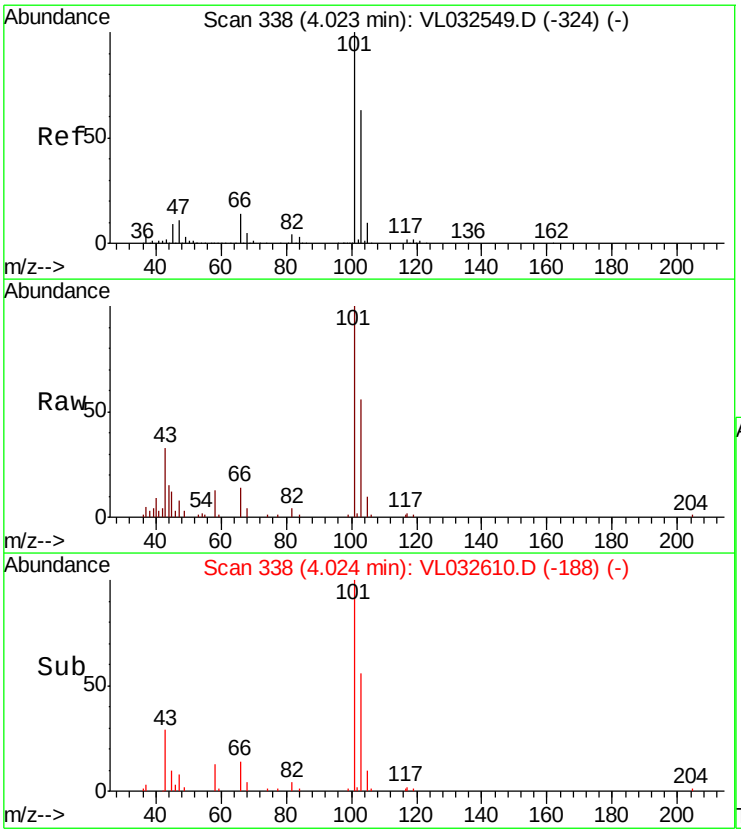
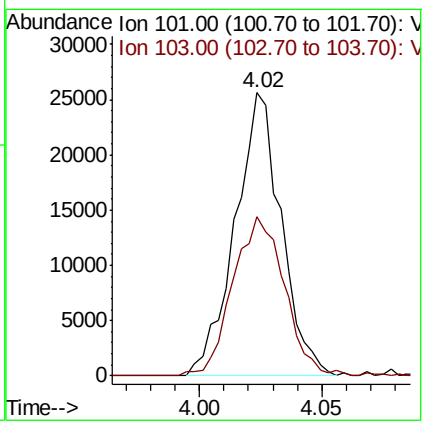
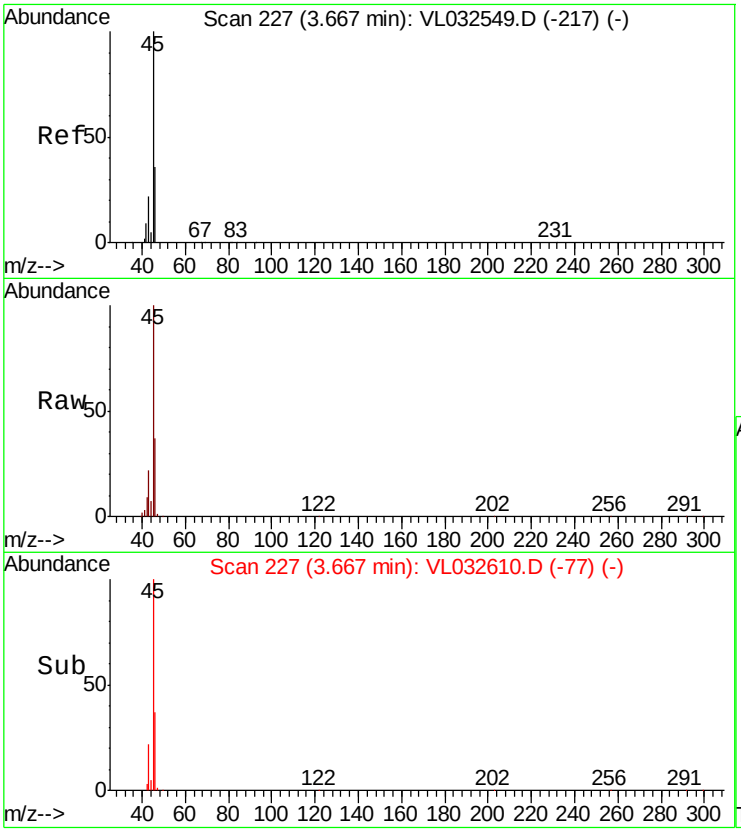


#11
Trichlorofluoromethane
Concen: 0.227 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.02 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion:101 Resp: 33559

Ion	Ratio	Lower	Upper
101	100		
103	55.0	52.8	79.2





#13
Ethanol
Concen: 16.737 ppbv
RT: 3.67 min Scan# 227
Delta R.T. -0.02 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 45 Resp: 243940

Ion	Ratio	Lower	Upper
45	100		
46	36.5	14.2	56.8

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-SVI-100518DUP

Manual Integrations APPROVED
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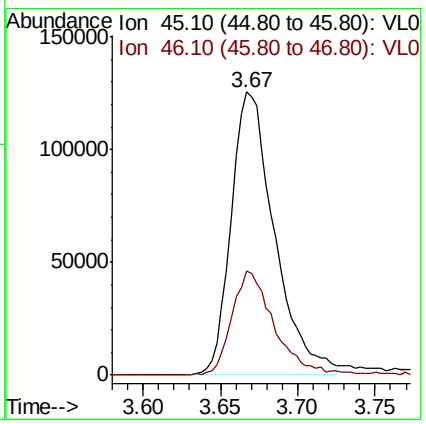
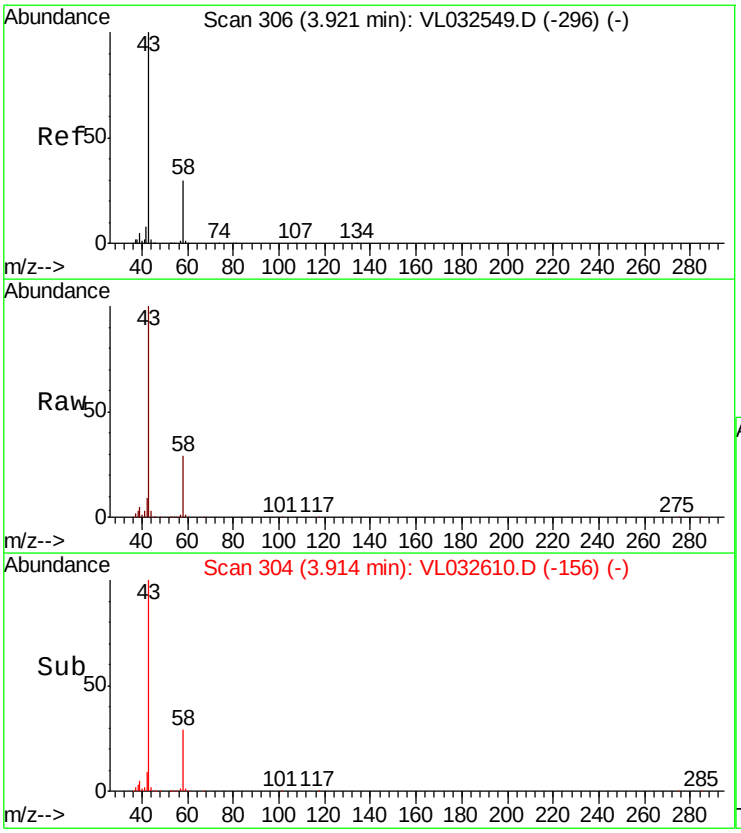
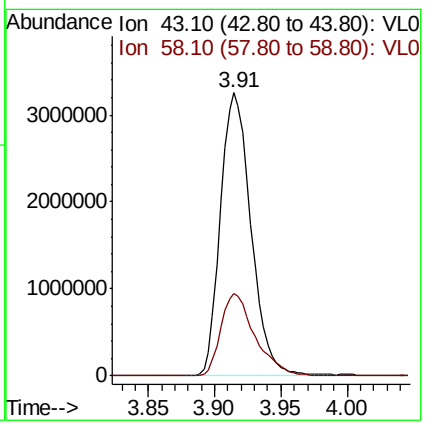


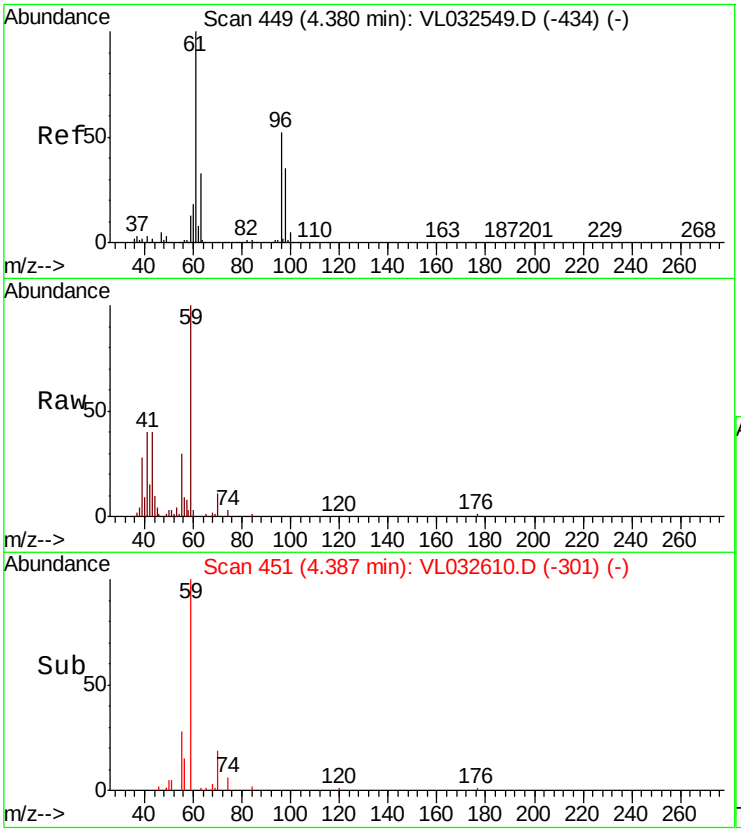


#15
Acetone
Concen: 44.236 ppbv
RT: 3.91 min Scan# 304
Delta R.T. -0.02 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 43 Resp: 5218302

Ion	Ratio	Lower	Upper
43	100		
58	32.8	22.6	33.8





#17
tert-Butyl alcohol
Concen: 5.716 ppbv
RT: 4.39 min Scan# 451
Delta R.T. -0.02 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 59 Resp: 84731

Ion	Ratio	Lower	Upper
59	100		
57	12.0	0.0	0.0#

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-SVI-100518DUP

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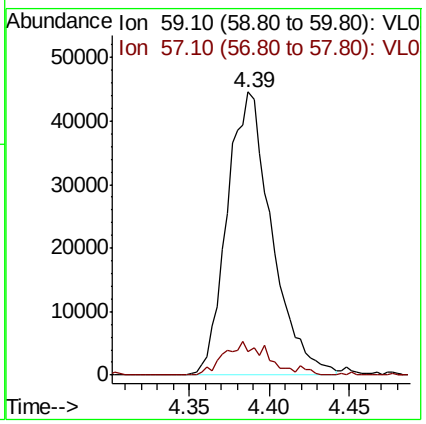
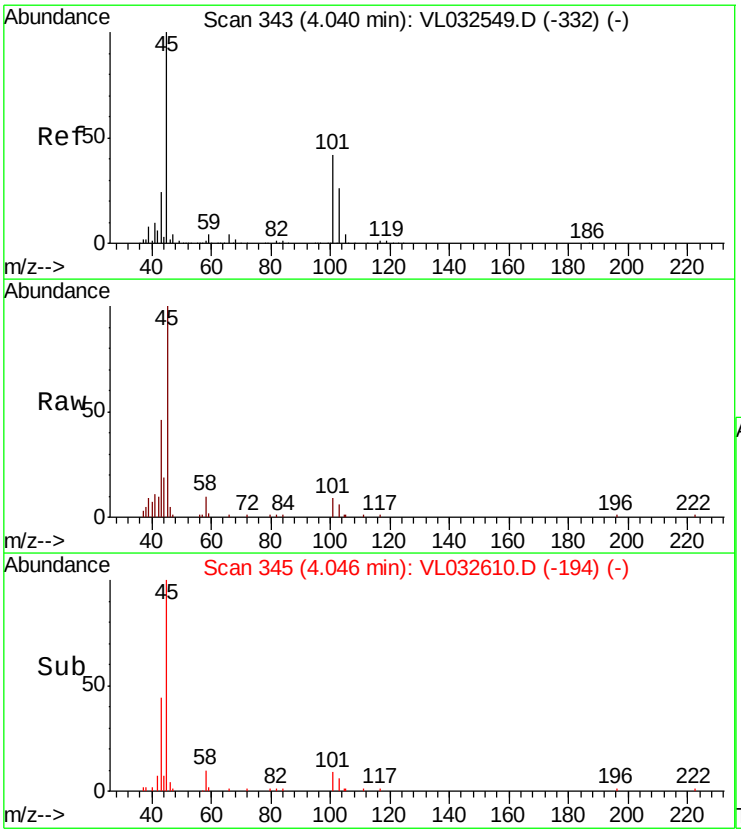
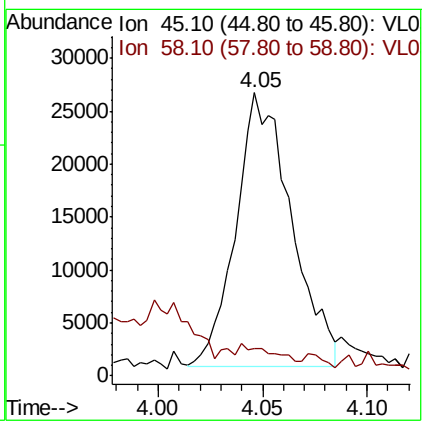


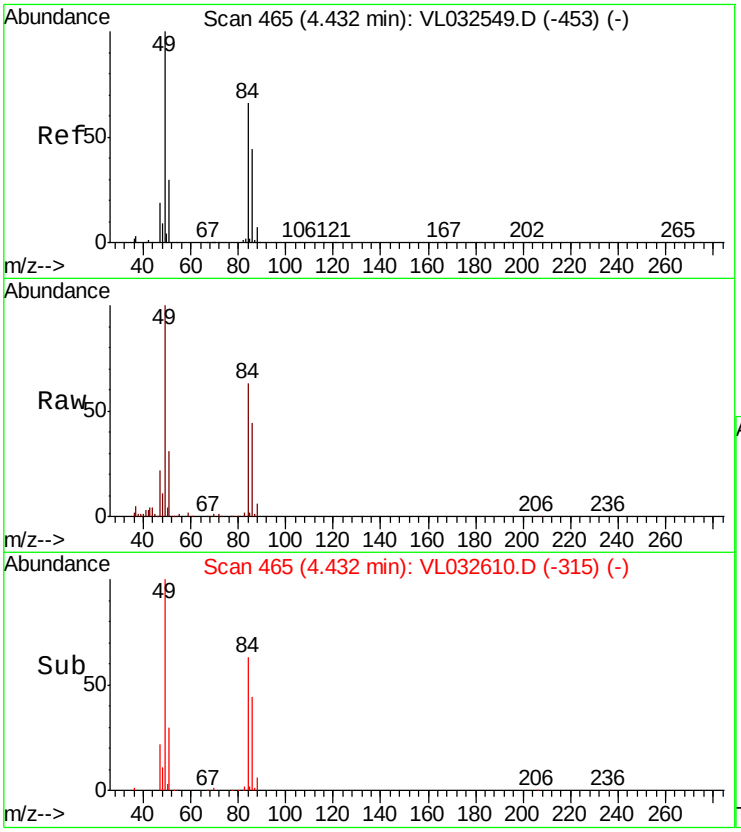


#19
Isopropyl Alcohol
Concen: 0.584 ppbv m
RT: 4.05 min Scan# 345
Delta R.T. -0.01 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 45 Resp: 47979

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#

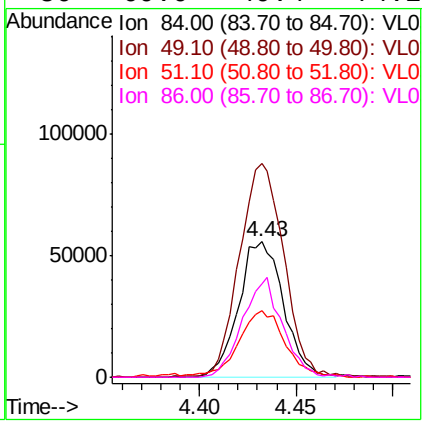




#20
Methylene Chloride
Concen: 1.569 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 84 Resp: 89610

Ion	Ratio	Lower	Upper
84	100		
49	157.0	119.1	178.7
51	47.4	35.2	52.8
86	69.0	49.4	74.2



Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-SVI-100518DUP

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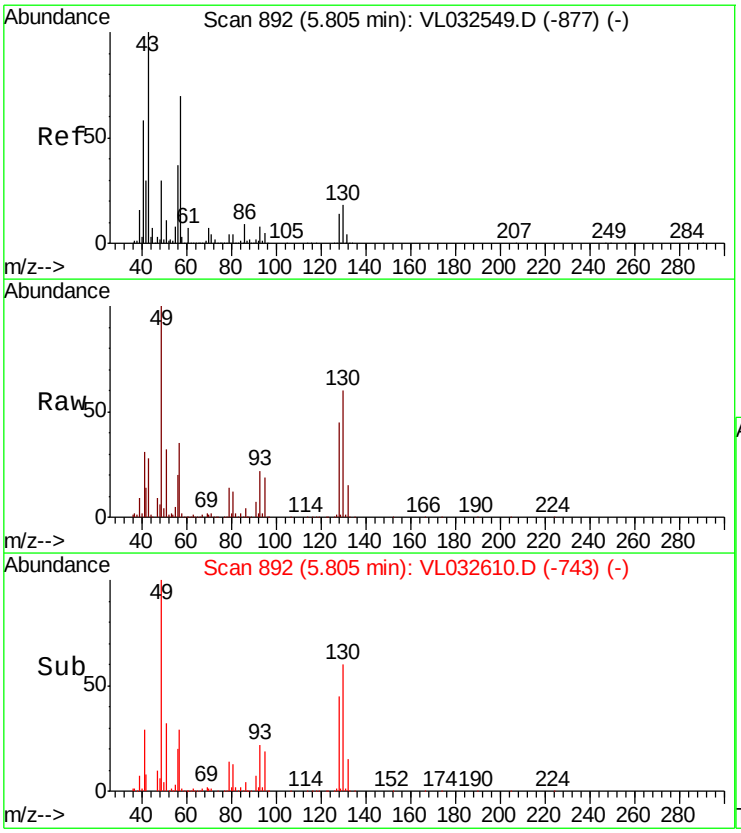
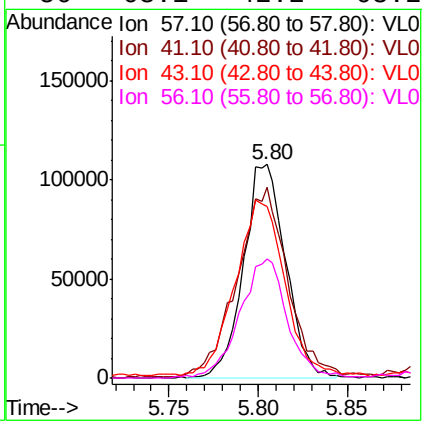
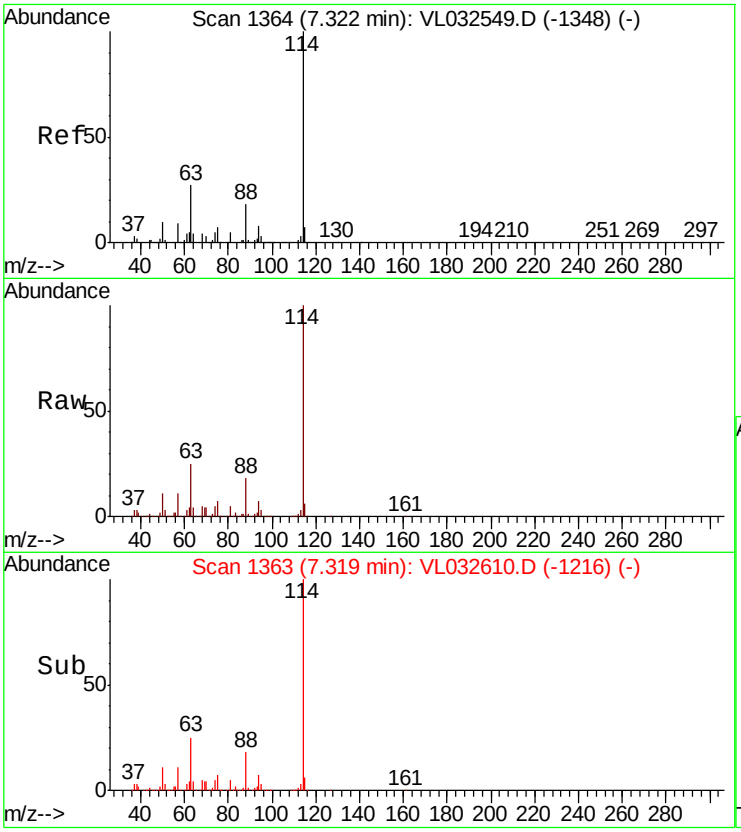


#26
Hexane
Concen: 1.371 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 57 Resp: 177233

Ion	Ratio	Lower	Upper
57	100		
41	108.1	69.0	103.4#
43	96.0	172.1	258.1#
56	63.1	42.2	63.2

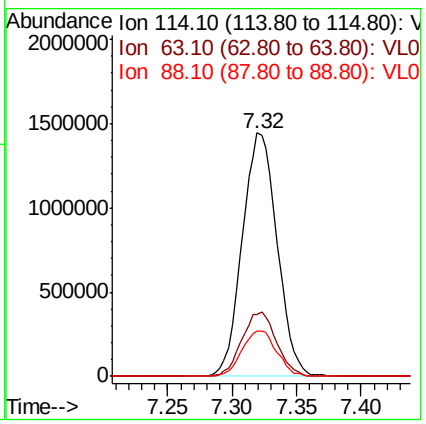




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.03 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion:114 Resp: 2719616

Ion	Ratio	Lower	Upper
114	100		
63	26.4	22.2	33.4
88	18.7	15.0	22.4



Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-SVI-100518DUP

Manual Integrations APPROVED
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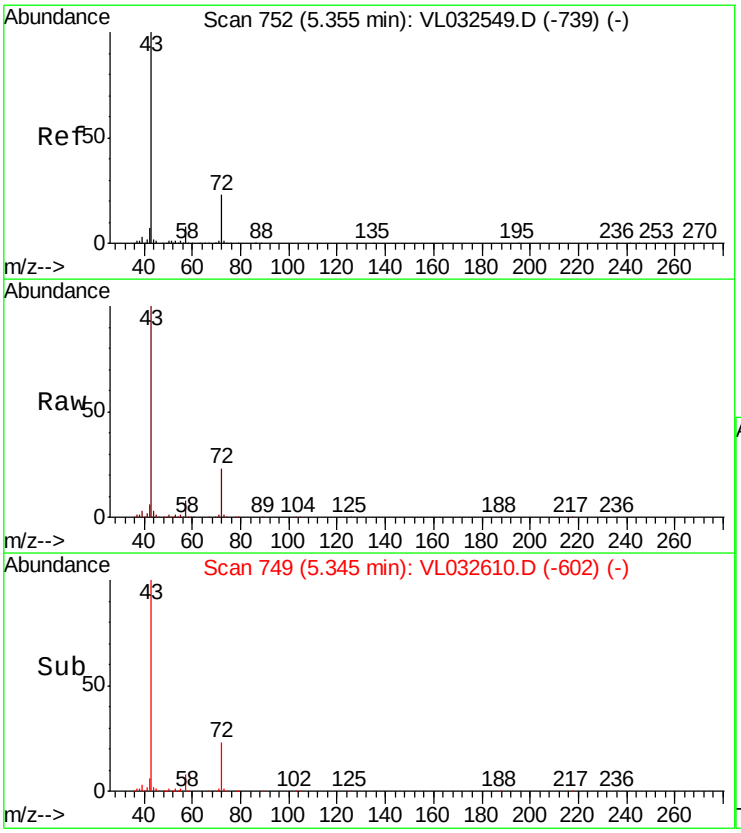
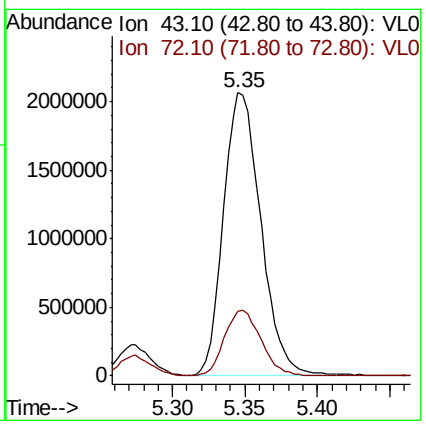
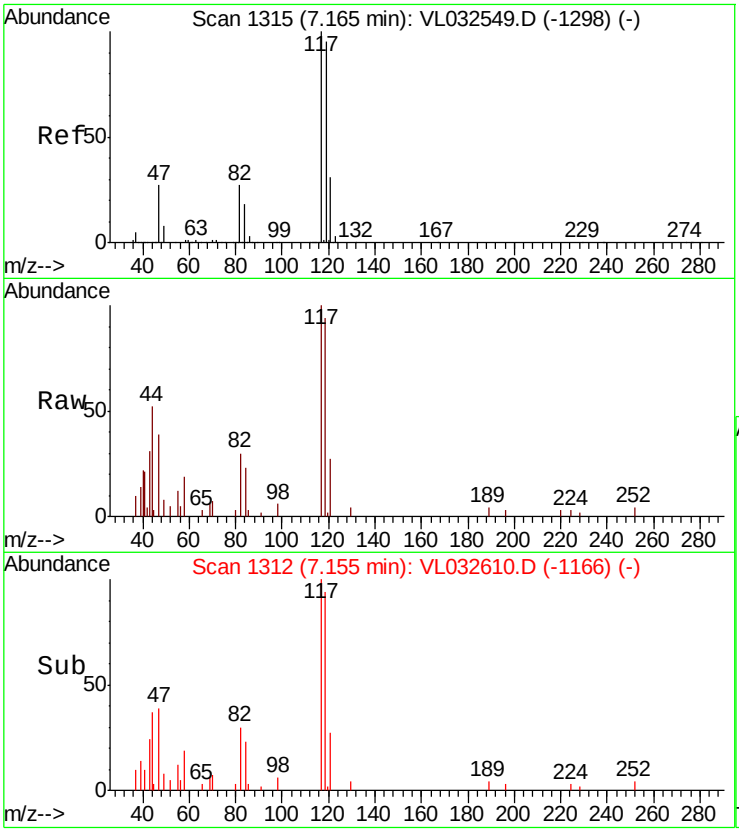


#34
2-Butanone
Concen: 22.715 ppbv
RT: 5.35 min Scan# 749
Delta R.T. -0.03 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 43 Resp: 3678693

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.8	26.6

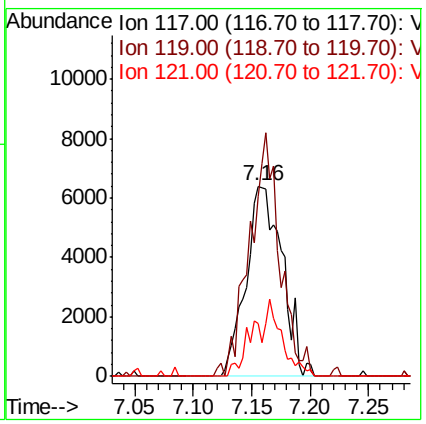




#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 7.16 min Scan# 1312
Delta R.T. -0.03 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion:117 Resp: 13671

Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.6	115.0
121	27.5	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-SVI-100518DUP

Manual Integrations APPROVED
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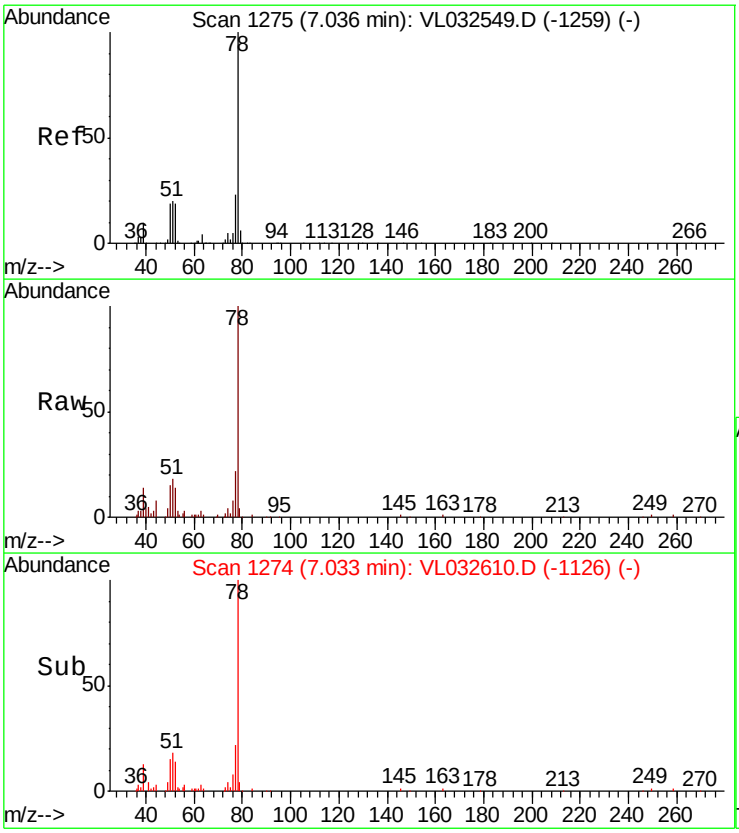
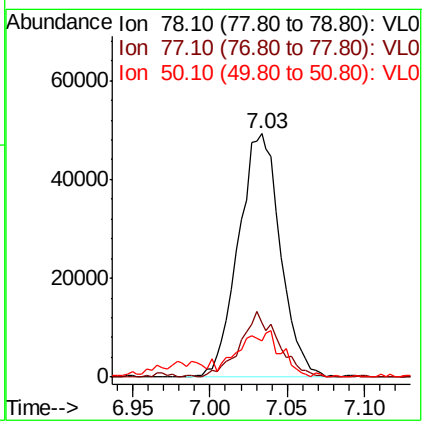
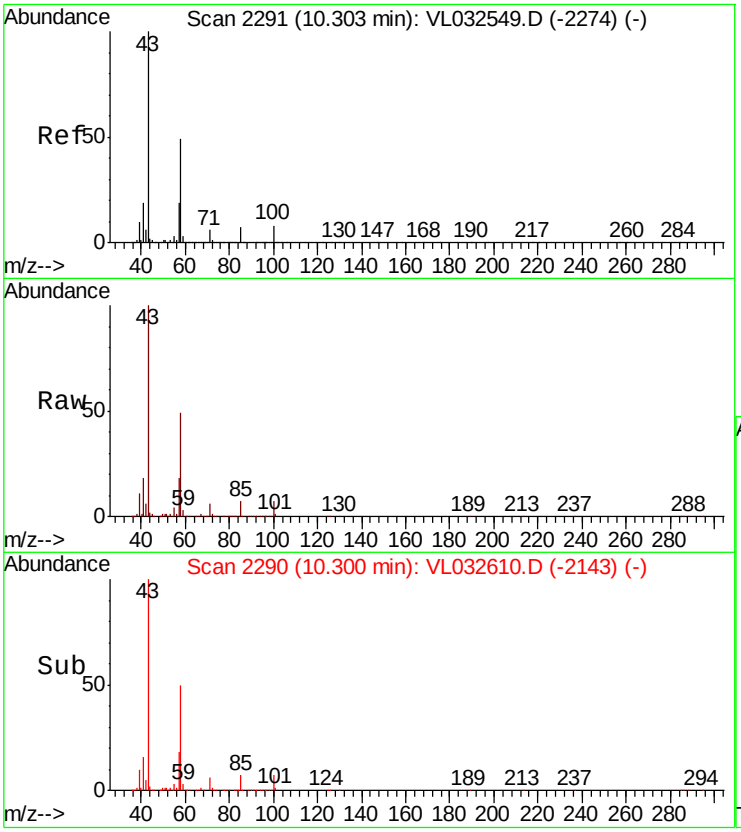


#36
Benzene
Concen: 0.422 ppbv
RT: 7.03 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 78 Resp: 92824

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.4	27.6
50	13.8	14.4	21.6#

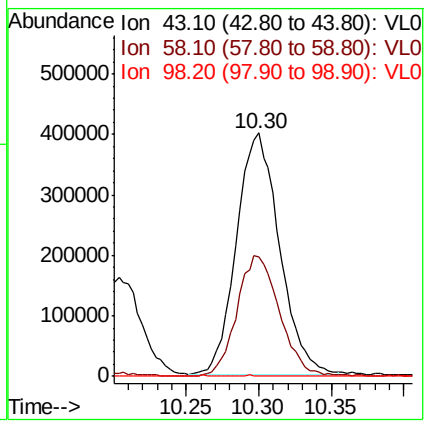




#51
2-Hexanone
Concen: 3.910 ppbv
RT: 10.30 min Scan# 2290
Delta R.T. -0.03 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

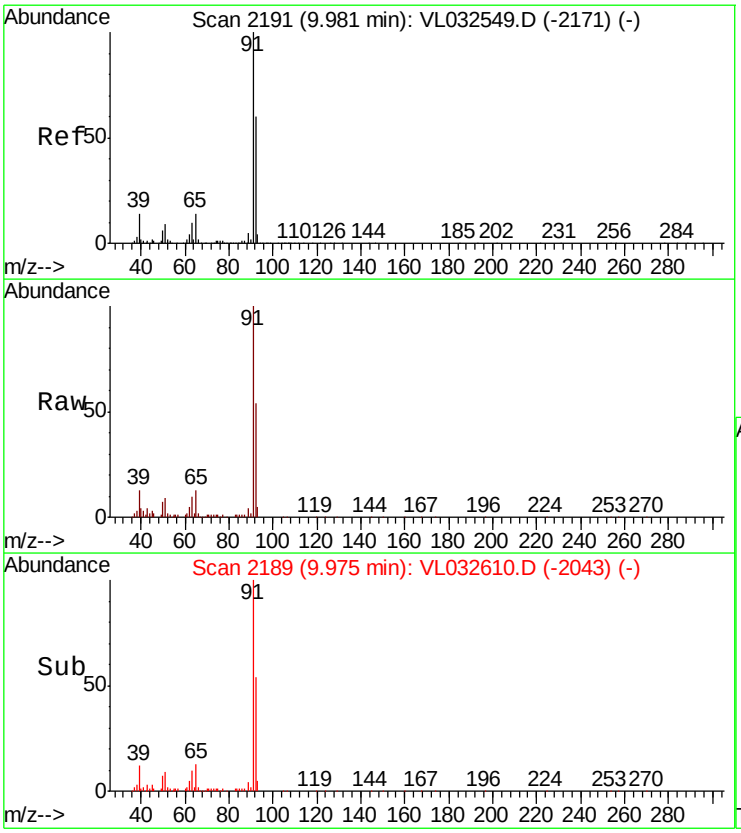
Tgt Ion: 43 Resp: 823209

Ion	Ratio	Lower	Upper
43	100		
58	49.8	39.2	58.8
98	0.6	0.4	0.6#



Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-SVI-100518DUP

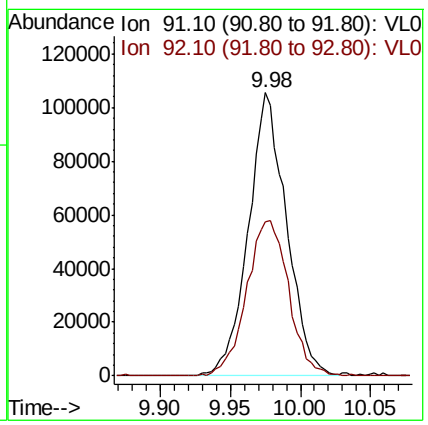
Manual Integrations APPROVED
MMDadoda
10/12/2018 2:07:34 PM

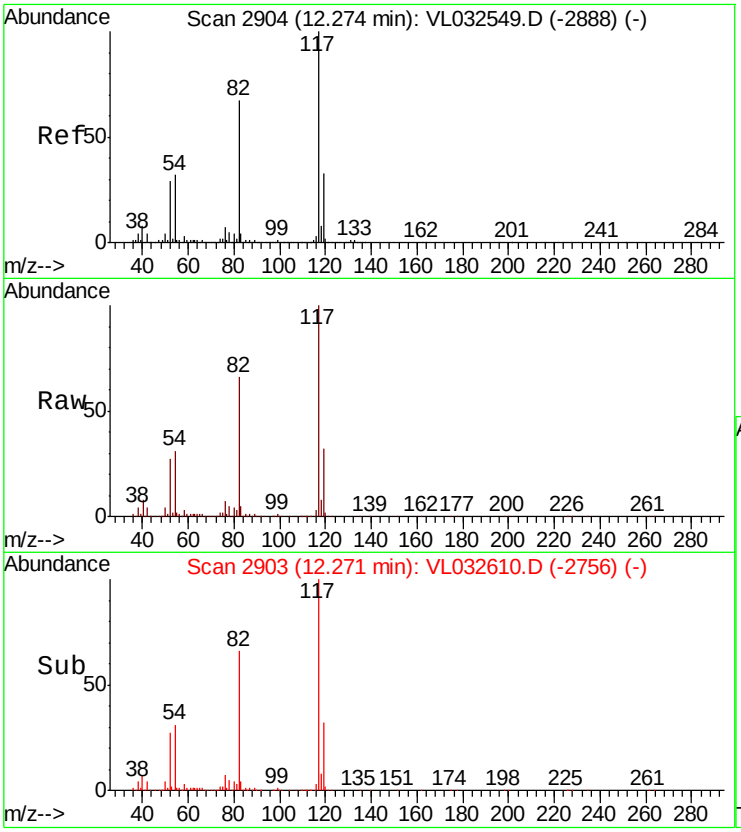


#53
Toluene
Concen: 0.746 ppbv
RT: 9.98 min Scan# 2189
Delta R.T. -0.03 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 91 Resp: 199790

Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.1	72.1

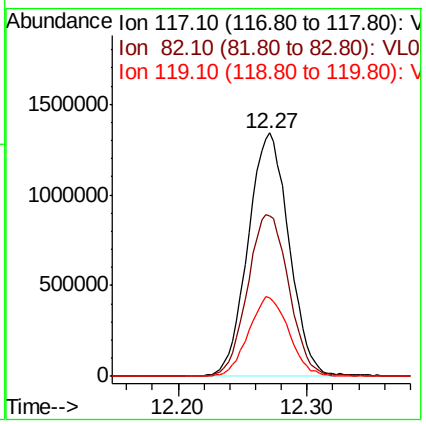




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

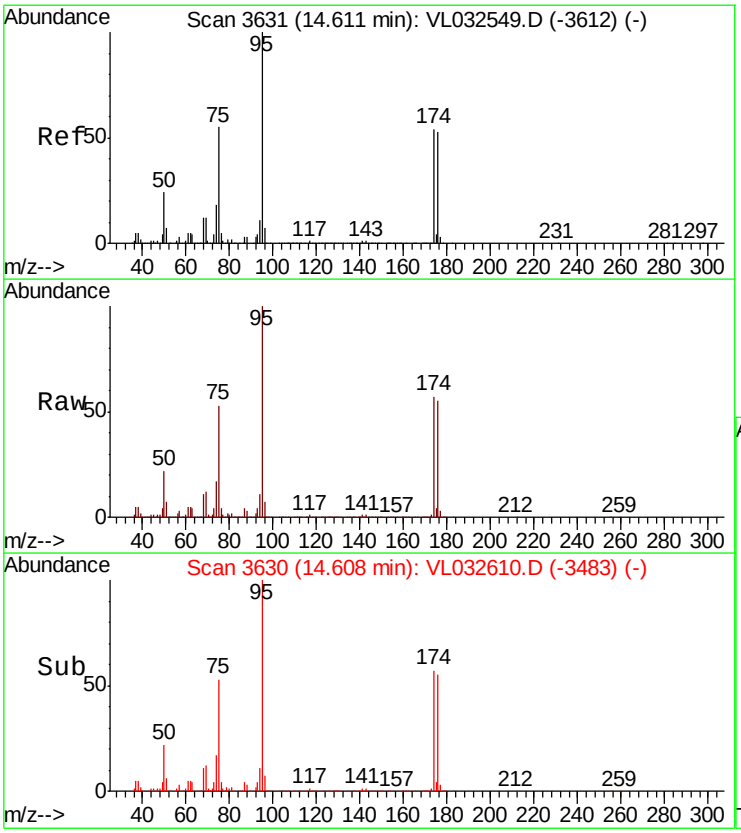
Tgt Ion:117 Resp: 2964097

Ion	Ratio	Lower	Upper
117	100		
82	67.6	53.0	79.6
119	32.4	45.9	68.9#



Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-SVI-100518DUP

Manual Integrations APPROVED
MMDadoda
10/12/2018 2:07:34 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.347 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032610.D
Acq: 11 Oct 2018 18:45

Tgt Ion: 95 Resp: 2089286

Ion	Ratio	Lower	Upper
95	100		
174	57.7	46.3	69.5
175	4.2	3.4	5.0