Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\
Data File : VL036158.D
Acq On : 11 Dec 2020 10:39
Operator : SY/AP
Sample : L4930-02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 03:04:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 0
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : OFFSITE-SG-1DUP

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1202121	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2424273	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2176407	10.00	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1929357	11.16	ppbv	-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 111.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	33772m	0.241	ppbv	
3) Chlorodifluoromethane	2.97	51	63374	0.462	ppbv #	92
4) Chloromethane	3.13	50	34270	0.509	ppbv	92
9) Propene	3.00	41	48357	0.704	ppbv	87
11) Trichlorofluoromethane	3.93	101	41660	0.253	ppbv	88
13) Ethanol	3.60	45	140406m	14.824	ppbv	
15) Acetone	3.84	43	507910	3.516	ppbv	92
19) Isopropyl Alcohol	3.98	45	59895m	0.678	ppbv	
20) Methylene Chloride	4.33	84	446252	7.537	ppbv	99
26) Hexane	5.67	57	302594	2.329	ppbv #	41
34) 2-Butanone	5.23	43	35157	0.219	ppbv	94
36) Benzene	6.87	78	53697	0.261	ppbv #	88
53) Toluene	9.79	91	338270m	1.466	ppbv	
58) Ethyl Benzene	12.70	91	28403m	0.095	ppbv	
59) m/p-Xylene	12.95	91	87982m	0.350	ppbv	

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\
Data File : VL036158.D
Acq On : 11 Dec 2020 10:39
Operator : SY/AP
Sample : L4930-02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 03:04:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-1DUP

Manual Integrations APPROVED
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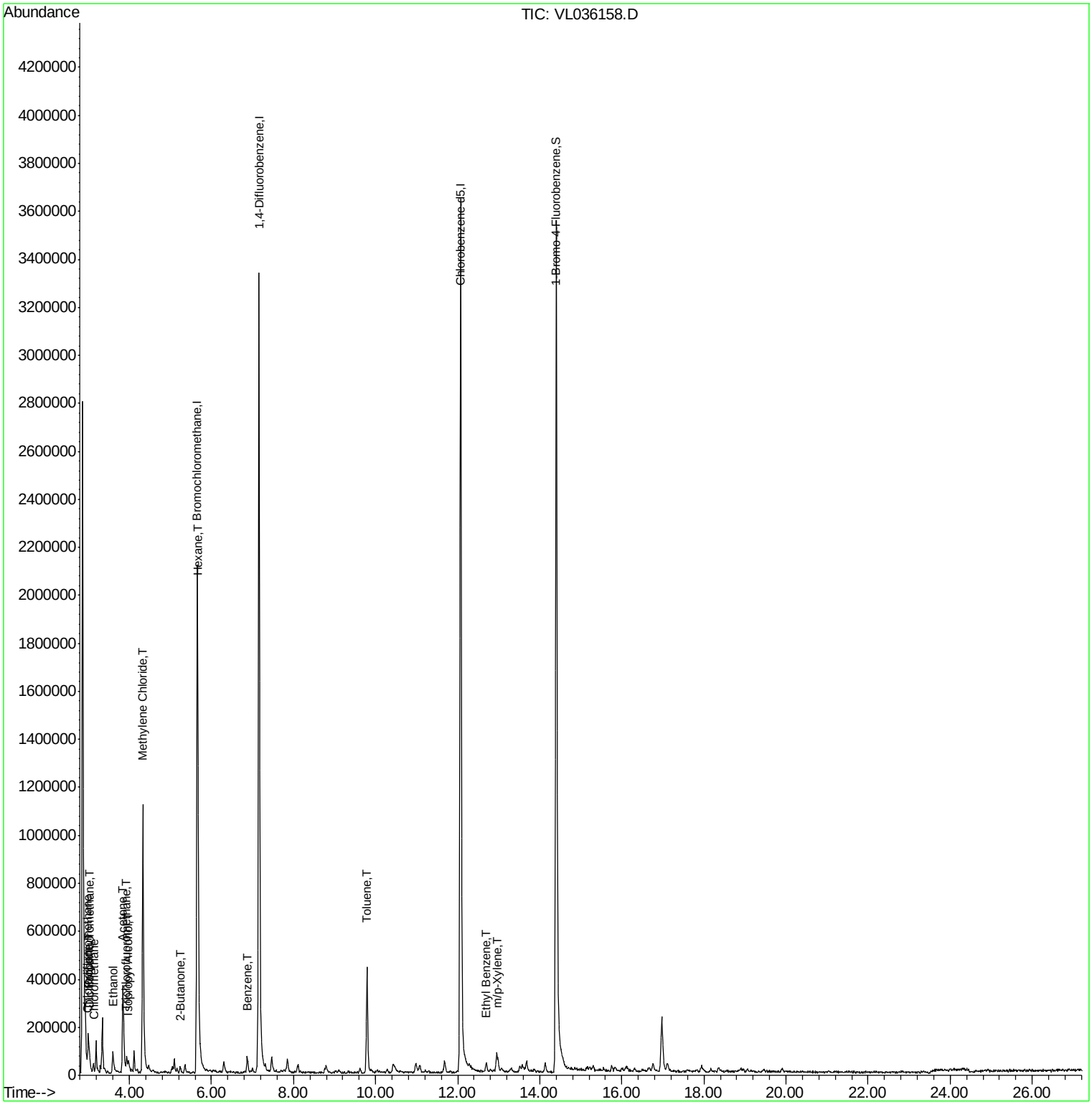
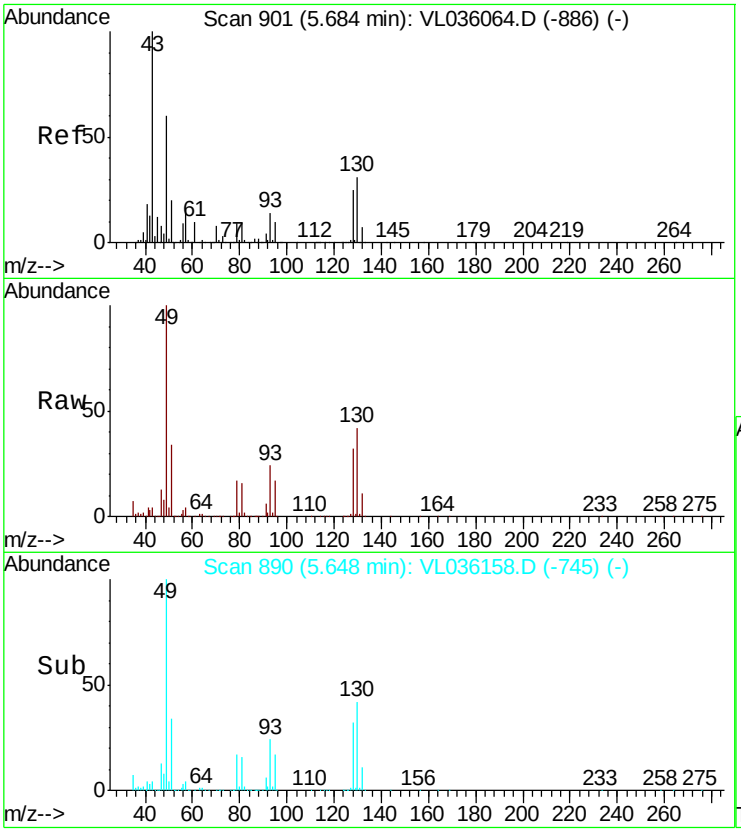
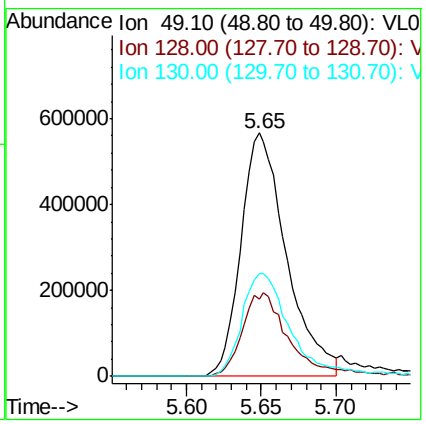




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.04 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 49 Resp: 1202121

Ion	Ratio	Lower	Upper
49	100		
128	36.2	21.1	63.1
130	46.2	27.1	81.3



Instrument :
MSVOA_L
ClientSampleId :
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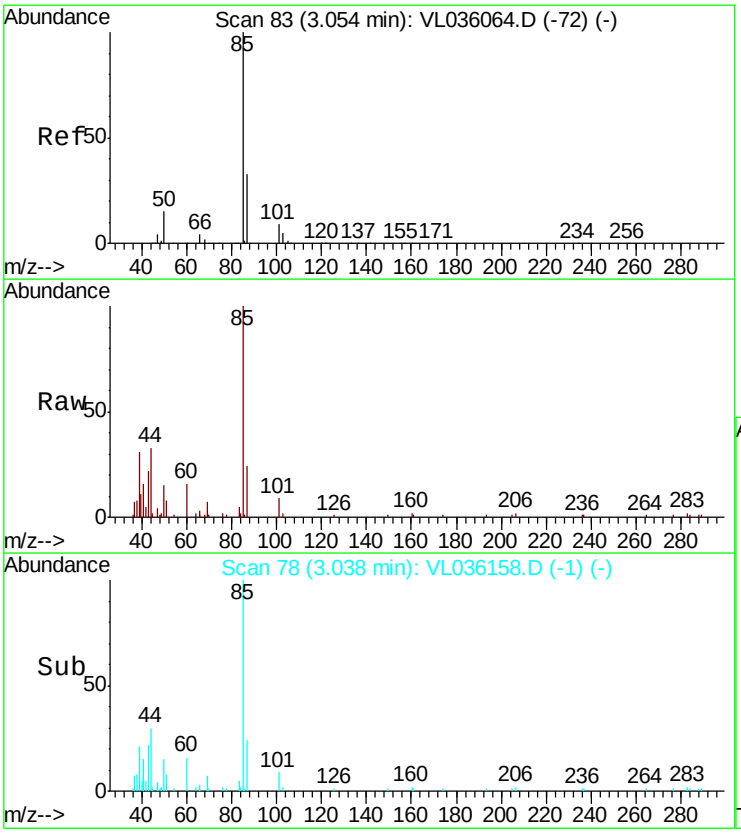
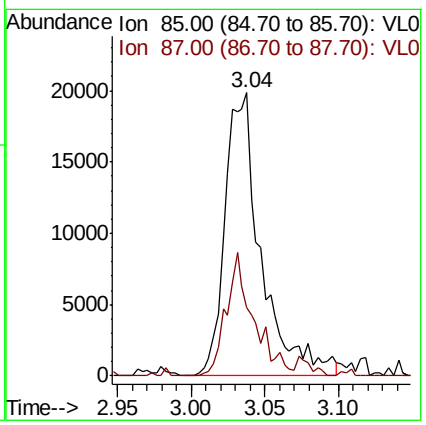
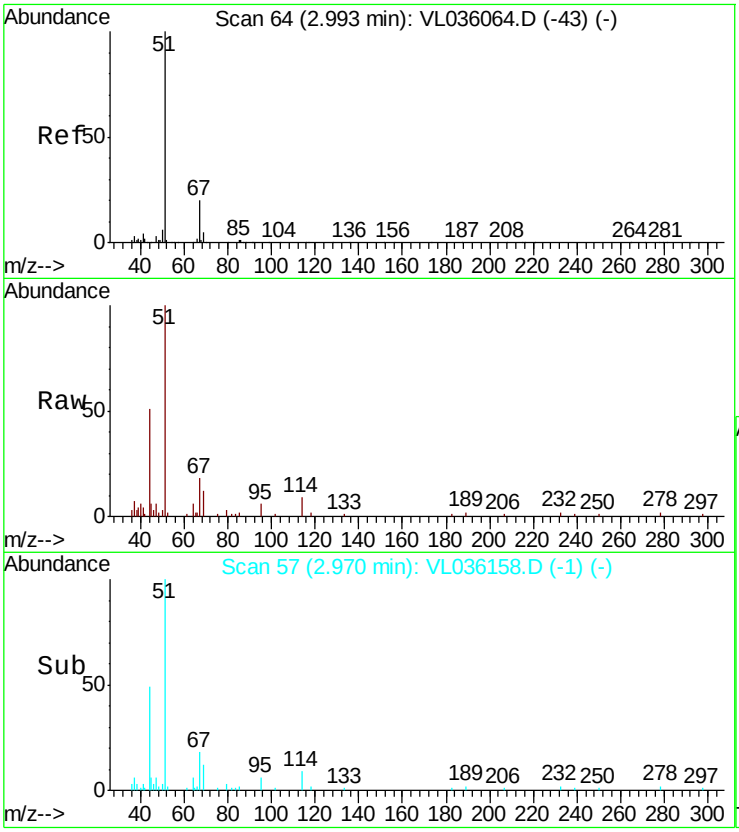


#2
Dichlorodifluoromethane
Concen: 0.241 ppbv m
RT: 3.04 min Scan# 78
Delta R.T. -0.02 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 85 Resp: 33772

Ion	Ratio	Lower	Upper
85	100		
87	24.0	26.5	39.7#





#3
Chlorodifluoromethane
Concen: 0.462 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 51 Resp: 63374

Ion	Ratio	Lower	Upper
51	100		
67	14.2	14.3	21.5#

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-1DUP

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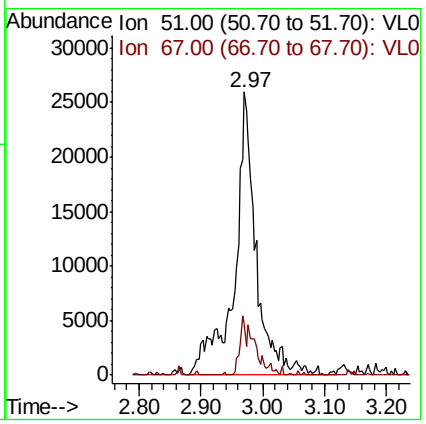
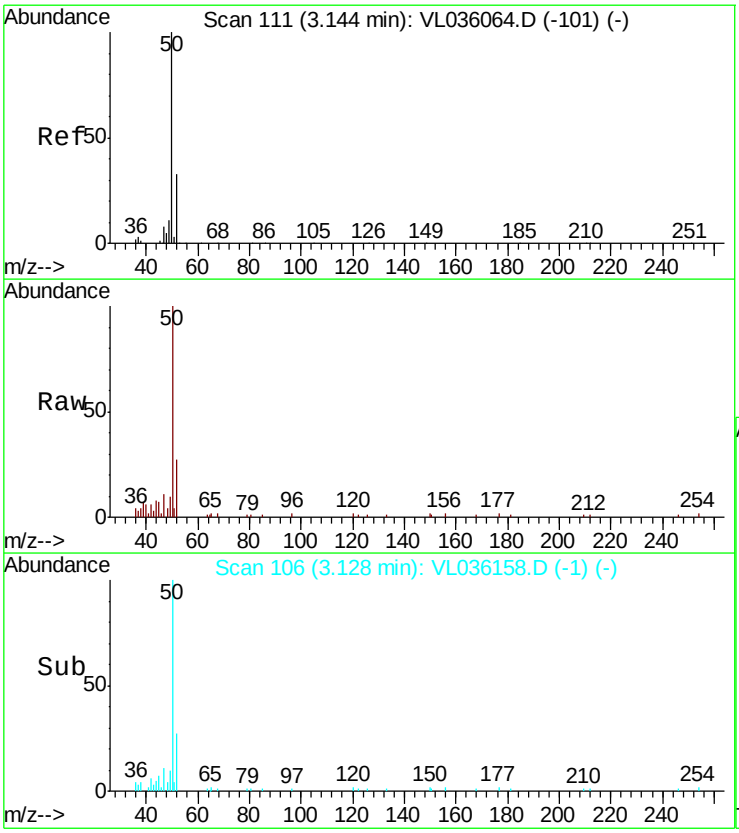
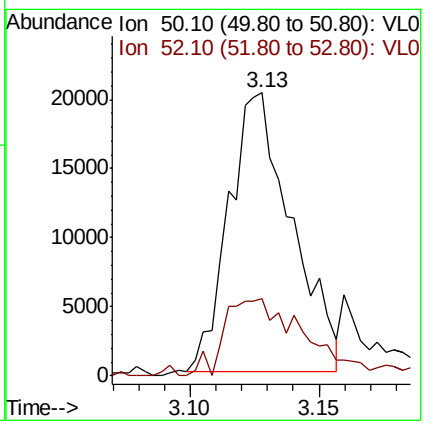


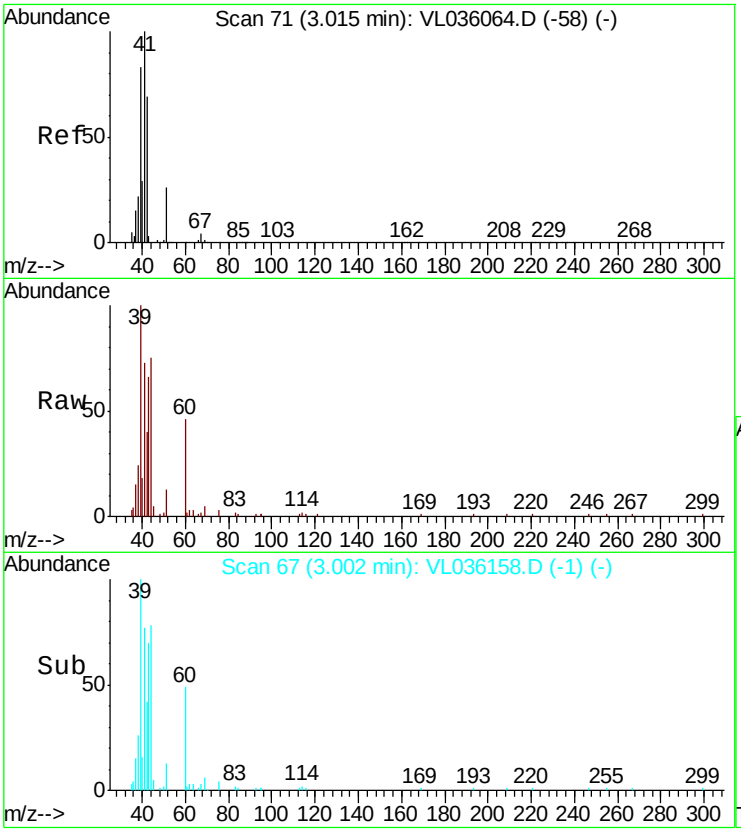


#4
Chloromethane
Concen: 0.509 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.02 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 50 Resp: 34270

Ion	Ratio	Lower	Upper
50	100		
52	27.8	26.1	39.1

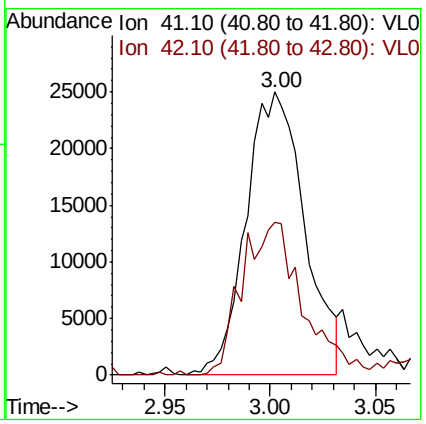




#9
Propene
Concen: 0.704 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.01 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 41 Resp: 48357

Ion	Ratio	Lower	Upper
41	100		
42	60.4	57.0	85.6



Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-1DUP

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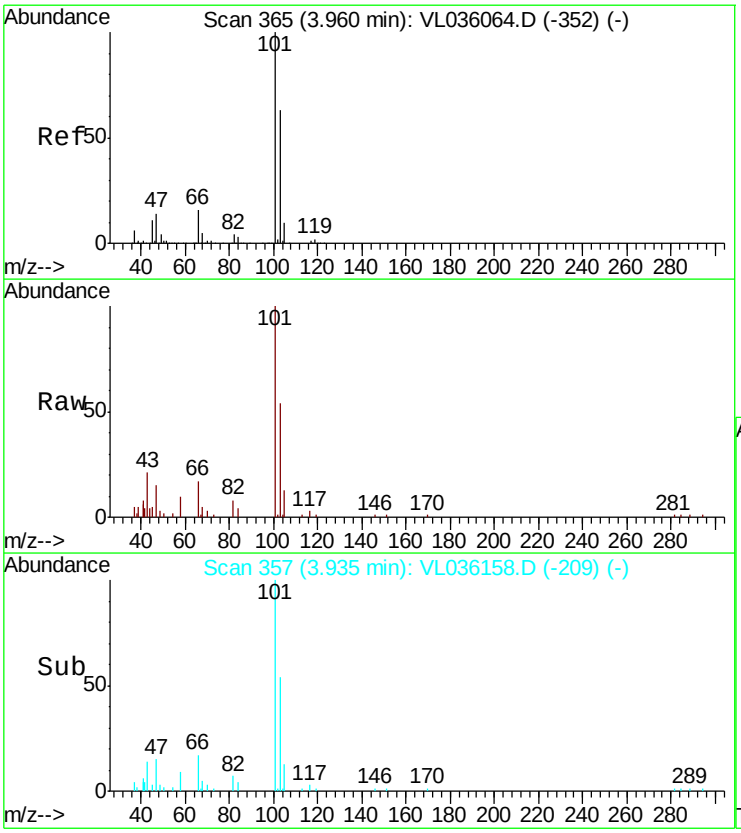
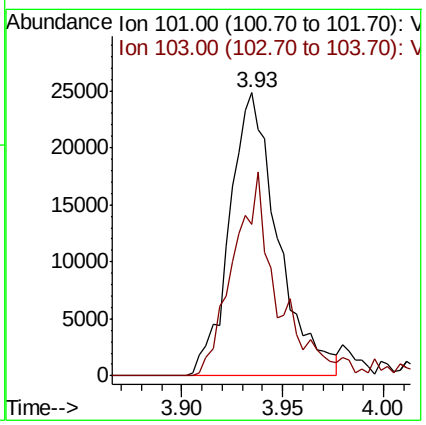
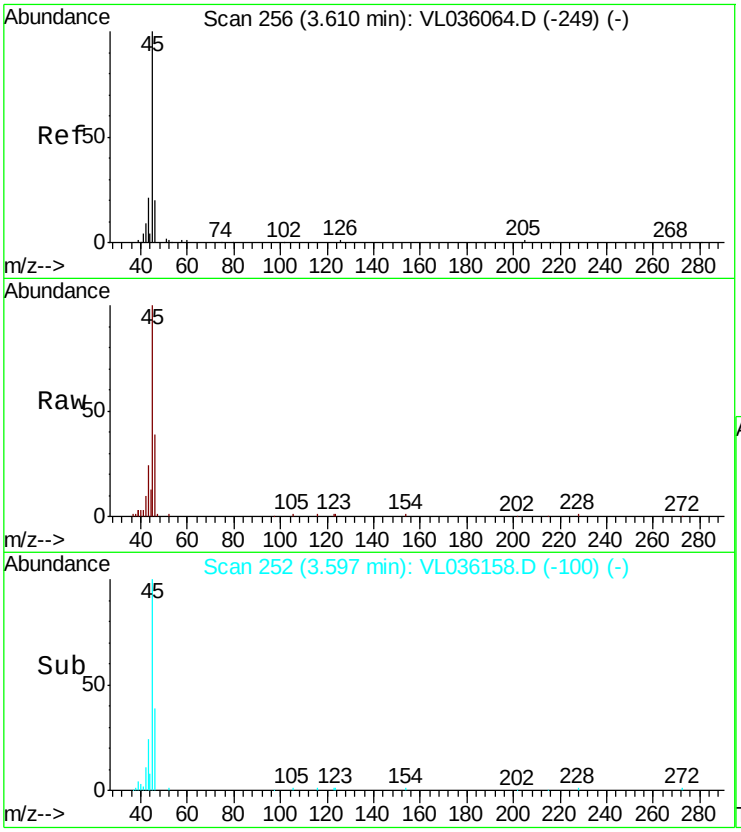


#11
Trichlorofluoromethane
Concen: 0.253 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.03 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion:101 Resp: 41660

Ion	Ratio	Lower	Upper
101	100		
103	53.5	50.3	75.5

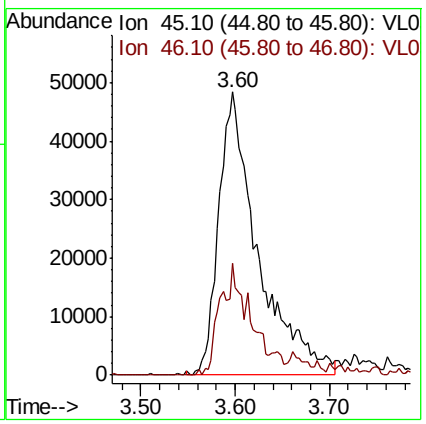




#13
Ethanol
Concen: 14.824 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 45 Resp: 140406

Ion	Ratio	Lower	Upper
45	100		
46	36.3	19.0	75.8



Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-1DUP

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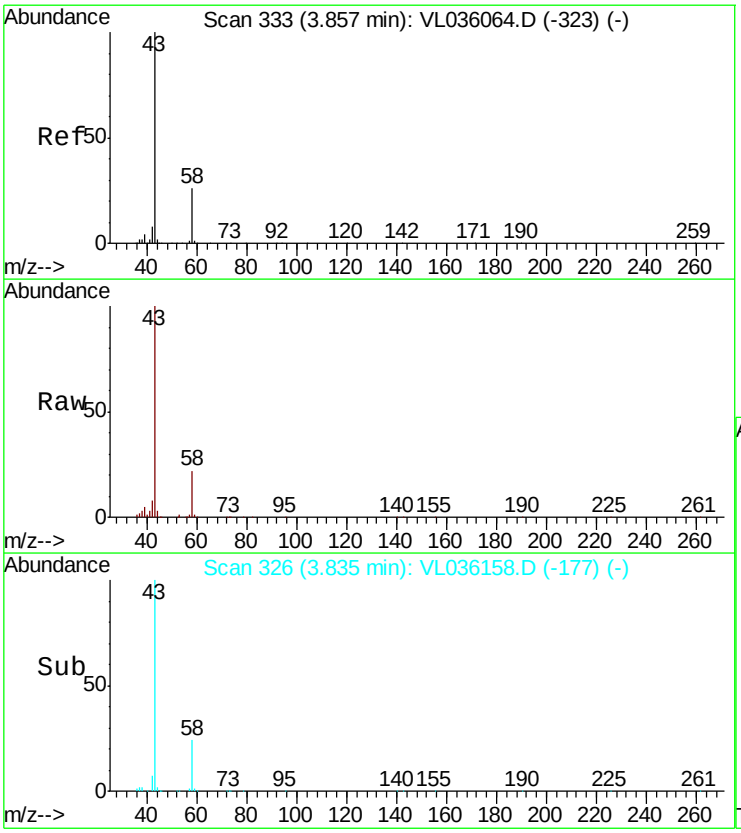
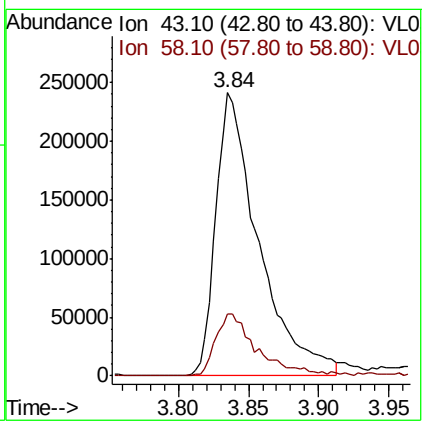
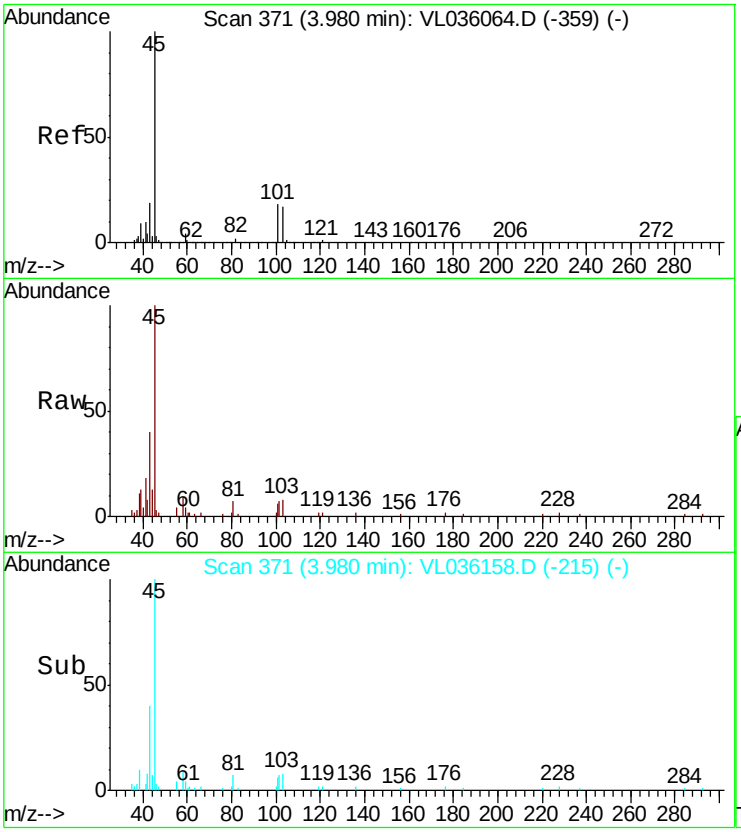


#15
Acetone
Concen: 3.516 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 43 Resp: 507910

Ion	Ratio	Lower	Upper
43	100		
58	21.8	20.9	31.3





#19
Isopropyl Alcohol
Concen: 0.678 ppbv m
RT: 3.98 min Scan# 371
Delta R.T. 0.00 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 45 Resp: 59895

Ion	Ratio	Lower	Upper
45	100		
58	0.0	0.0	0.0

Instrument :
MSVOA_L
ClientSampleId :
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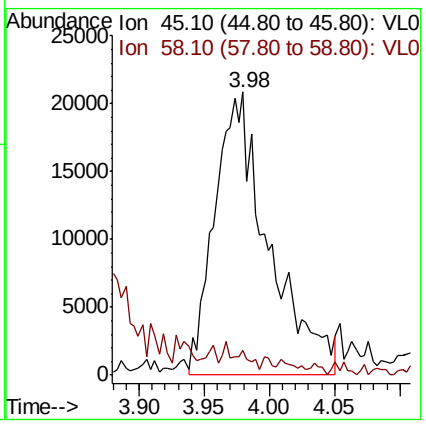
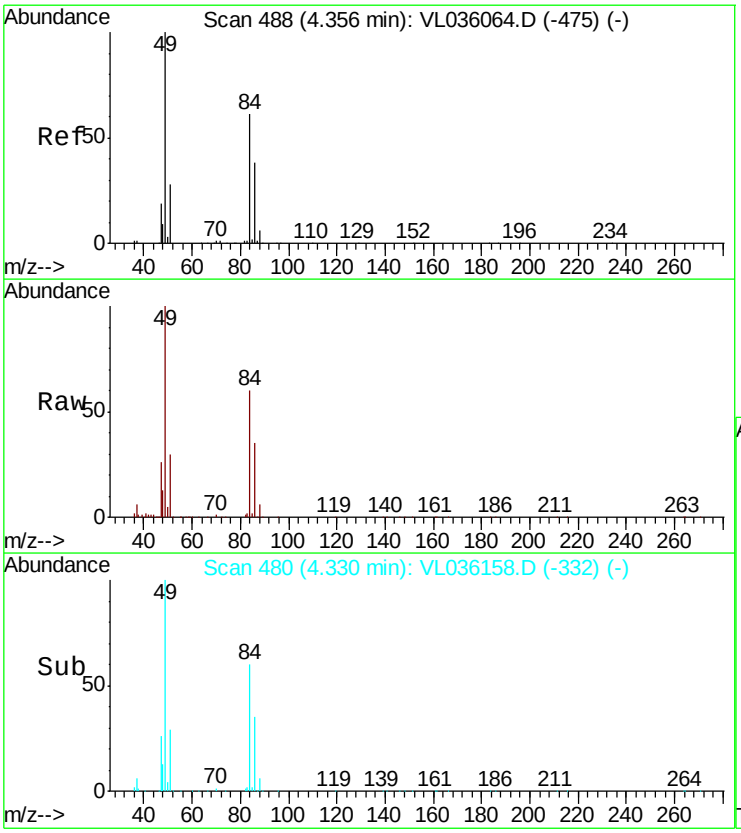
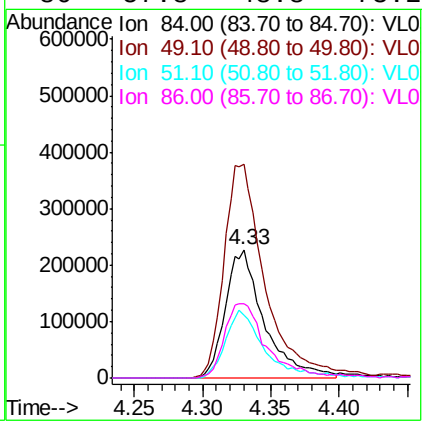


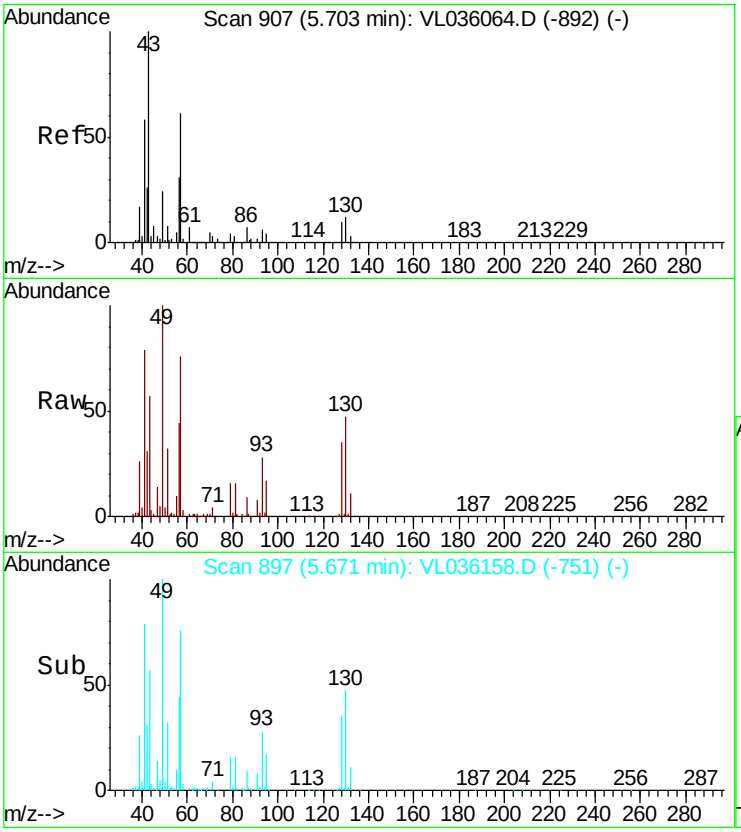


#20
Methylene Chloride
Concen: 7.537 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.03 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 84 Resp: 446252

Ion	Ratio	Lower	Upper
84	100		
49	166.9	133.0	199.4
51	49.4	38.9	58.3
86	57.8	48.8	73.2

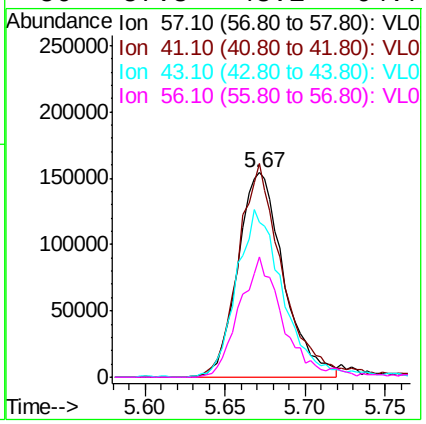




#26
Hexane
Concen: 2.329 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 57 Resp: 302594

Ion	Ratio	Lower	Upper
57	100		
41	105.4	82.9	124.3
43	85.6	199.9	299.9#
56	57.8	43.1	64.7



Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-1DUP

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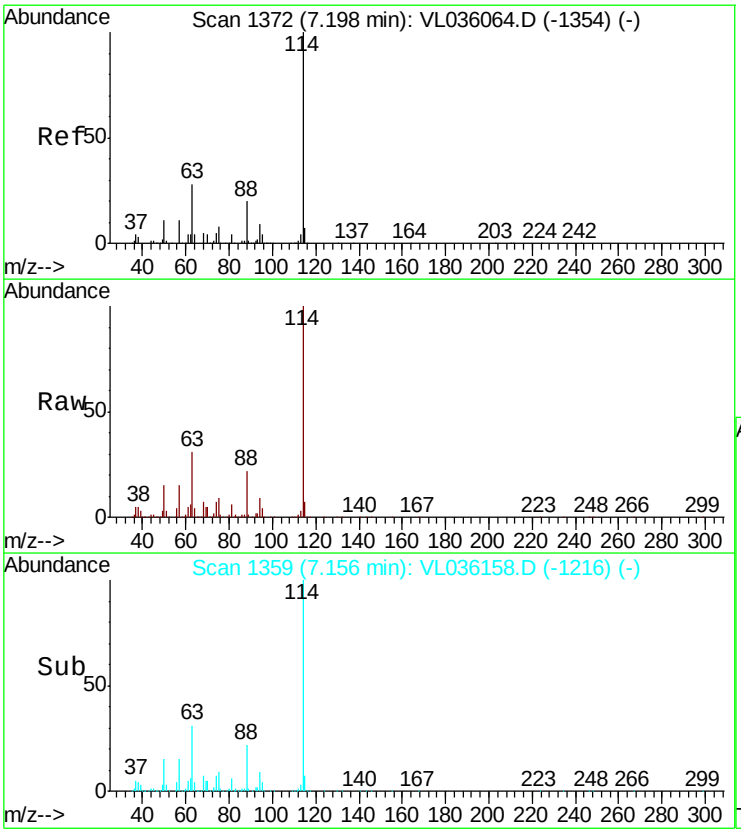
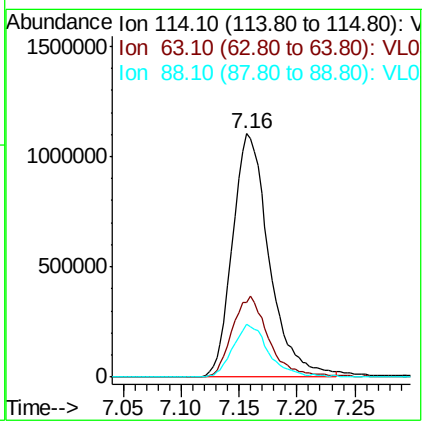
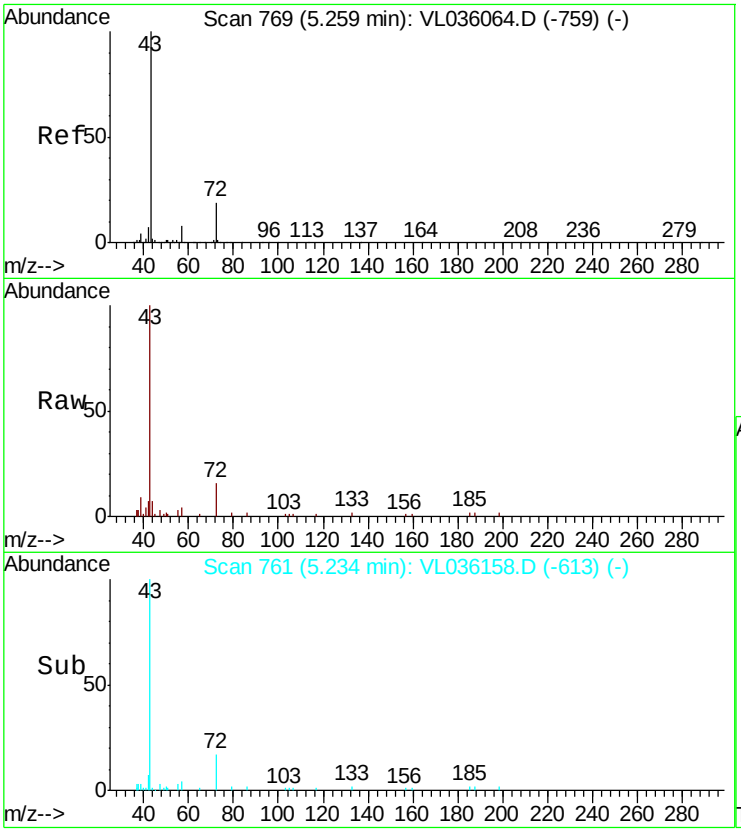


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.04 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion:114 Resp: 2424273

Ion	Ratio	Lower	Upper
114	100		
63	33.4	23.6	35.4
88	21.5	15.8	23.6

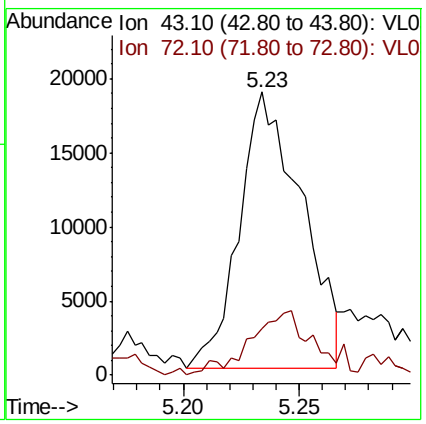




#34
2-Butanone
Concen: 0.219 ppbv
RT: 5.23 min Scan# 761
Delta R.T. -0.03 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 43 Resp: 35157

Ion	Ratio	Lower	Upper
43	100		
72	23.3	16.5	24.7



Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-1DUP

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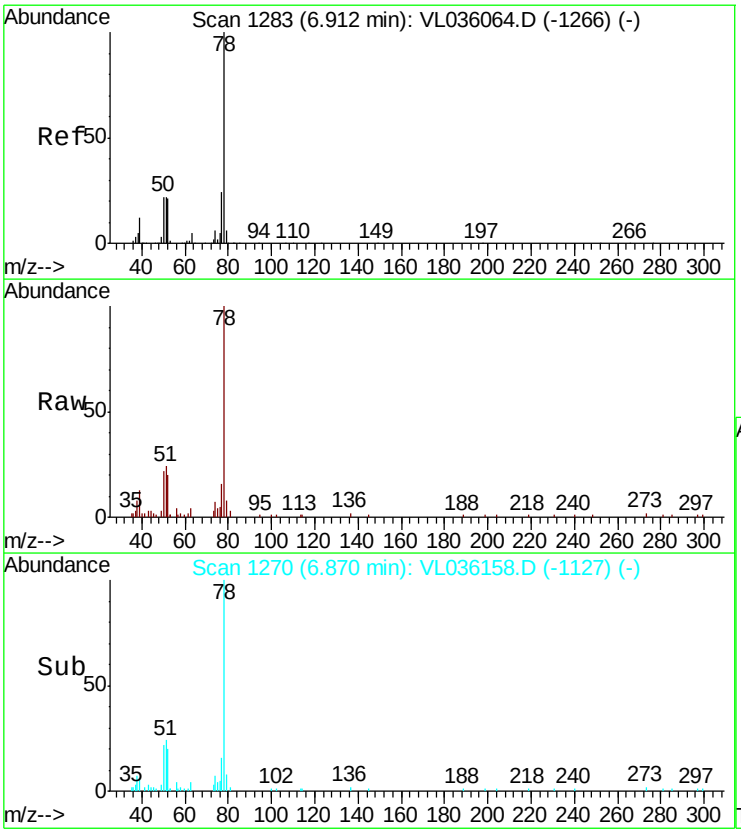
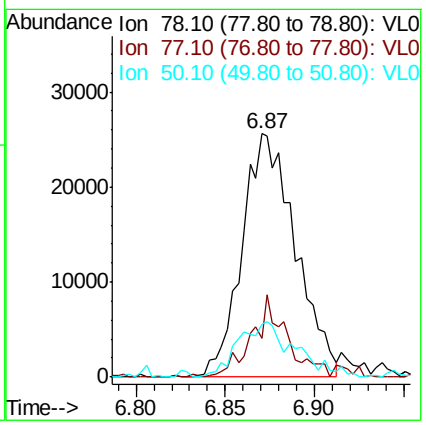
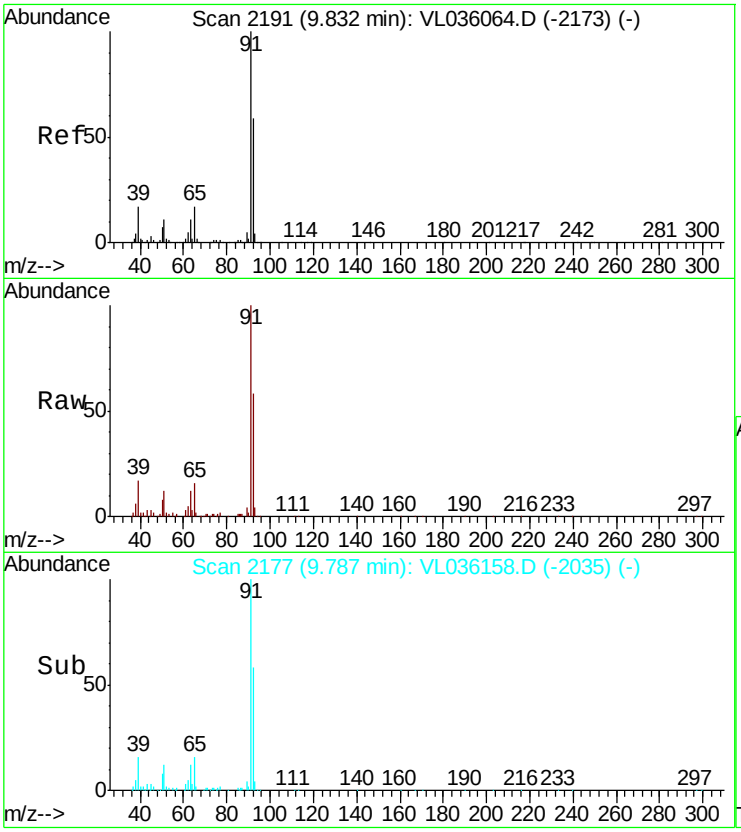


#36
Benzene
Concen: 0.261 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.04 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 78 Resp: 53697

Ion	Ratio	Lower	Upper
78	100		
77	15.7	19.4	29.2#
50	19.7	17.8	26.8





#53
Toluene
Concen: 1.466 ppbv m
RT: 9.79 min Scan# 2177
Delta R.T. -0.04 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 91 Resp: 338270

Ion	Ratio	Lower	Upper
91	100		
92	58.1	48.2	72.2

Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations APPROVED
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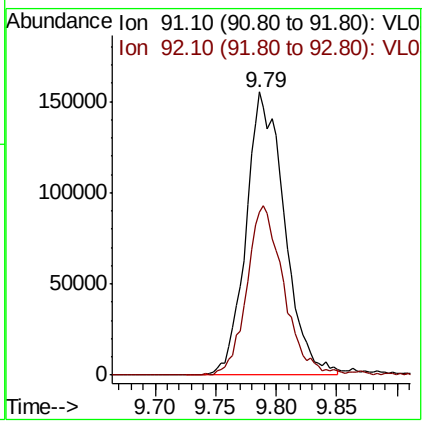
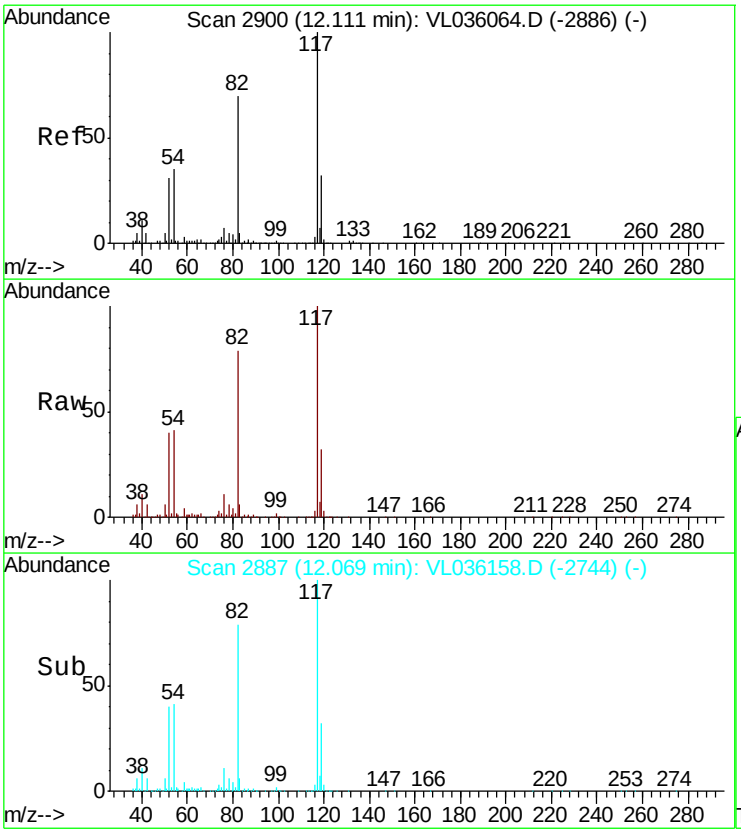
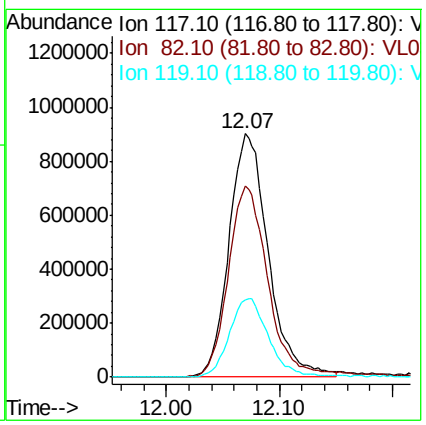


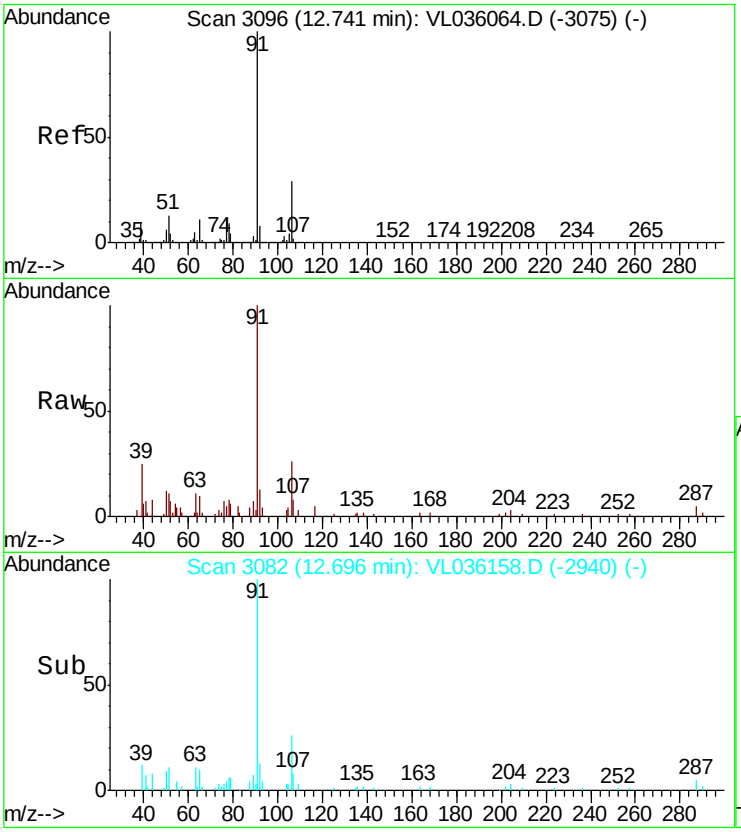


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.04 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion:117 Resp: 2176407

Ion	Ratio	Lower	Upper
117	100		
82	80.6	0.0	0.0#
119	32.6	0.0	0.0#





#58
Ethyl Benzene
Concen: 0.095 ppbv m
RT: 12.70 min Scan# 3082
Delta R.T. -0.04 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 91 Resp: 28403

Ion	Ratio	Lower	Upper
91	100		
106	25.7	23.0	34.4

Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations APPROVED
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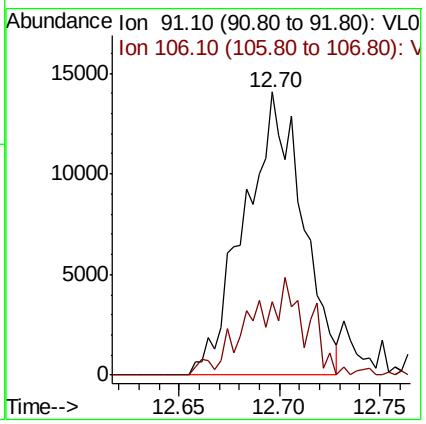
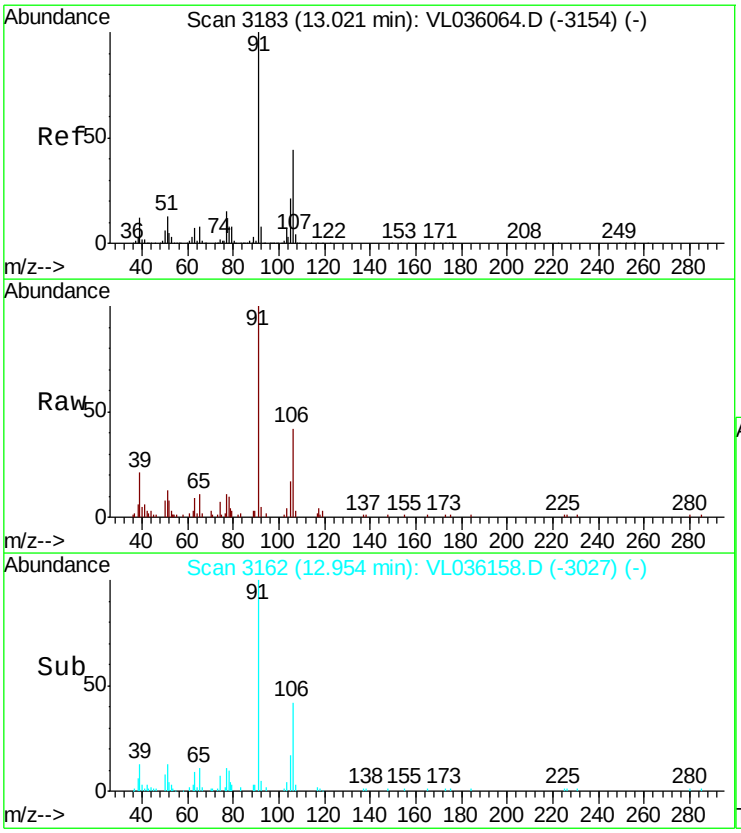
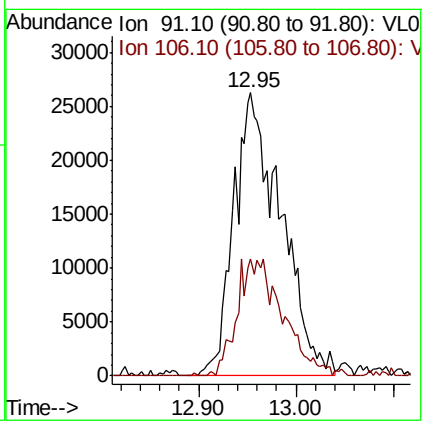


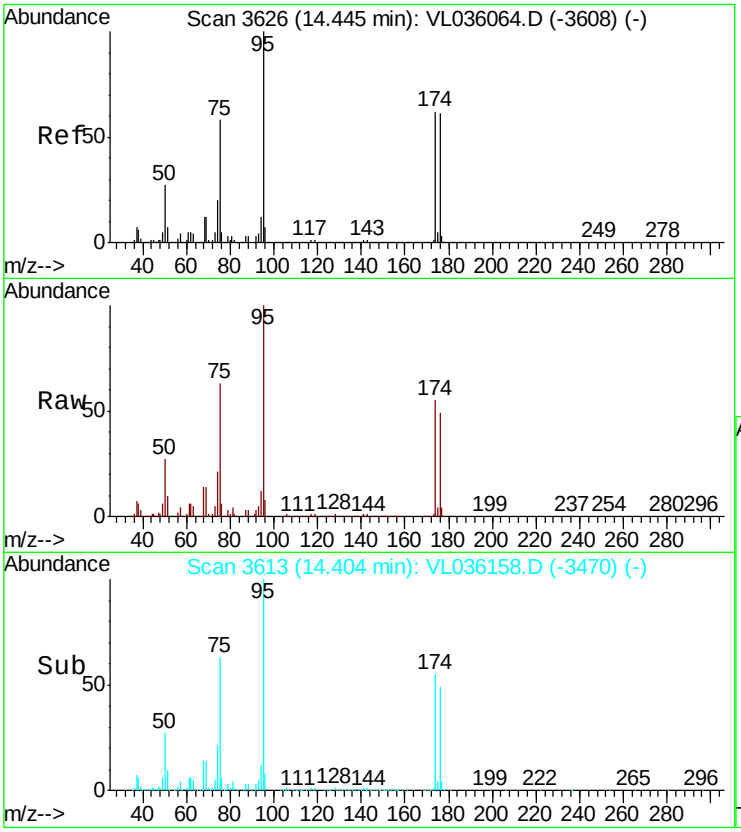


#59
m/p-Xylene
Concen: 0.350 ppbv m
RT: 12.95 min Scan# 3162
Delta R.T. -0.07 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 91 Resp: 87982

Ion	Ratio	Lower	Upper
91	100		
106	0.0	33.6	50.4#

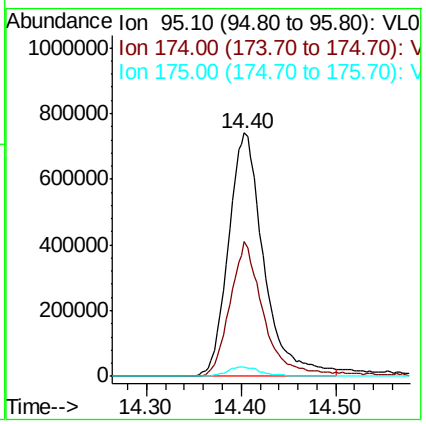




#68
1-Bromo-4-Fluorobenzene
Concen: 11.164 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.04 min
Lab File: VL036158.D
Acq: 11 Dec 2020 10:39

Tgt Ion: 95 Resp: 1929357

Ion	Ratio	Lower	Upper
95	100		
174	51.8	50.7	76.1
175	3.9	4.0	6.0#



Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-1DUP

Manual Integrations APPROVED
MMDadoda
12/15/2020 4:52:14 PM